

Table SI. Lung adenocarcinoma-specific Differential Gene Expression analysis.

Gene	logFC	logCPM	P-value	FDR
<i>PYCR1</i>	-3.7086	6.309846	1.25x10 ⁻¹²⁸	2.14x10 ⁻¹²⁴
<i>KANK3</i>	3.049292	4.334926	1.88x10 ⁻¹¹³	1.62x10 ⁻¹⁰⁹
<i>SPOCK2</i>	3.392889	8.593921	1.26x10 ⁻¹⁰⁶	7.24x10 ⁻¹⁰³
<i>LIMS2</i>	2.785837	5.961061	3.38x10 ⁻¹⁰⁶	1.45x10 ⁻¹⁰²
<i>RAMP2</i>	2.894772	5.801139	6.41x10 ⁻¹⁰⁴	2.21x10 ⁻¹⁰⁰
<i>RTKN2</i>	4.450645	7.263726	1.60x10 ⁻¹⁰²	4.57x10 ⁻⁹⁹
<i>GRK5</i>	2.540182	5.892225	1.95x10 ⁻¹⁰¹	4.80x10 ⁻⁹⁸
<i>EMP2</i>	2.777652	9.932181	8.58x10 ⁻⁹⁹	1.84x10 ⁻⁹⁵
<i>PECAM1</i>	2.120605	7.539866	3.25x10 ⁻⁹⁸	6.21x10 ⁻⁹⁵
<i>TUBB3</i>	-4.63199	6.176744	5.36x10 ⁻⁹⁰	7.67x10 ⁻⁸⁷
<i>STX11</i>	2.921359	5.64036	9.15x10 ⁻⁸⁹	1.21x10 ⁻⁸⁵
<i>C13orf15</i>	2.845886	7.517775	1.55x10 ⁻⁸³	1.90x10 ⁻⁸⁰
<i>GPT2</i>	-2.98404	4.927083	9.05x10 ⁻⁸³	1.04x10 ⁻⁷⁹
<i>FAM83A</i>	-7.13148	6.239727	1.15x10 ⁻⁸²	1.23x10 ⁻⁷⁹
<i>EPAS1</i>	2.683975	10.48087	1.73x10 ⁻⁸²	1.64x10 ⁻⁷⁹
<i>WWC2</i>	2.305509	6.705067	1.81x10 ⁻⁸²	1.64x10 ⁻⁷⁹
<i>PTPN21</i>	2.375231	5.912817	8.01x10 ⁻⁸²	6.88x10 ⁻⁷⁹
<i>ETV4</i>	-3.73355	4.445968	1.77x10 ⁻⁸¹	1.45x10 ⁻⁷⁸
<i>JAM2</i>	2.332984	4.039246	9.74x10 ⁻⁸¹	7.61x10 ⁻⁷⁸
<i>OTUD1</i>	2.086177	5.660774	1.36x10 ⁻⁸⁰	1.02x10 ⁻⁷⁷
<i>GOLM1</i>	-2.95286	7.774695	1.56x10 ⁻⁸⁰	1.08x10 ⁻⁷⁷
<i>FHL1</i>	3.267621	7.691014	1.63x10 ⁻⁸⁰	1.08x10 ⁻⁷⁷
<i>DENND3</i>	2.091368	6.499957	1.64x10 ⁻⁸⁰	1.08x10 ⁻⁷⁷
<i>ADRB2</i>	3.186813	4.685376	2.19x10 ⁻⁸⁰	1.39x10 ⁻⁷⁷
<i>SH2D3C</i>	2.218778	5.66917	7.94x10 ⁻⁸⁰	4.87x10 ⁻⁷⁷
<i>EDNRB</i>	3.471667	6.706482	9.49x10 ⁻⁸⁰	5.62x10 ⁻⁷⁷
<i>CAV1</i>	3.367912	9.727698	1.90x10 ⁻⁷⁸	1.09x10 ⁻⁷⁵

<i>NECAB1</i>	3.200631	3.965567	2.17x10 ⁻⁷⁸	1.20x10 ⁻⁷⁵
<i>TEK</i>	3.11977	5.882073	3.43x10 ⁻⁷⁸	1.84x10 ⁻⁷⁵
<i>TOP2A</i>	-4.27299	6.290073	1.68x10 ⁻⁷⁷	8.48x10 ⁻⁷⁵
<i>PRX</i>	3.57202	6.148296	4.31x10 ⁻⁷⁷	2.12x10 ⁻⁷⁴
<i>C9orf140</i>	-3.84478	3.537927	4.77x10 ⁻⁷⁷	2.28x10 ⁻⁷⁴
<i>TAL1</i>	2.872479	3.368463	9.02x10 ⁻⁷⁷	4.19x10 ⁻⁷⁴
<i>HSPA12B</i>	2.733328	4.500222	3.56x10 ⁻⁷⁶	1.57x10 ⁻⁷³
<i>RAMP3</i>	3.383575	6.075504	7.53x10 ⁻⁷⁶	3.24x10 ⁻⁷³
<i>ACVRL1</i>	2.365783	6.82717	5.27x10 ⁻⁷⁴	2.21x10 ⁻⁷¹
<i>CLEC3B</i>	3.883343	6.72535	6.13x10 ⁻⁷⁴	2.51x10 ⁻⁷¹
<i>RCCI</i>	-2.12394	5.108533	9.77x10 ⁻⁷⁴	3.91x10 ⁻⁷¹
<i>ARHGEF15</i>	2.395429	5.007123	5.12x10 ⁻⁷³	2.00x10 ⁻⁷⁰
<i>FABP4</i>	5.358082	6.368492	1.41x10 ⁻⁷²	5.38x10 ⁻⁷⁰
<i>USHBP1</i>	2.744683	2.761501	1.62x10 ⁻⁷²	6.05x10 ⁻⁷⁰
<i>FERMT1</i>	-3.44341	4.179461	2.77x10 ⁻⁷²	1.00x10 ⁻⁶⁹
<i>KIF4A</i>	-4.63249	3.708423	2.79x10 ⁻⁷²	1.00x10 ⁻⁶⁹
<i>CENPF</i>	-3.84591	5.214563	3.25x10 ⁻⁷²	1.14x10 ⁻⁶⁹
<i>UBE2T</i>	-3.49915	3.353289	7.18x10 ⁻⁷²	2.47x10 ⁻⁶⁹
<i>LDB2</i>	2.451123	5.691392	8.62x10 ⁻⁷²	2.91x10 ⁻⁶⁹
<i>SGEF</i>	2.795325	5.811863	3.85x10 ⁻⁷⁰	1.20x10 ⁻⁶⁷
<i>ANLN</i>	-4.27357	4.951034	4.08x10 ⁻⁷⁰	1.25x10 ⁻⁶⁷
<i>CCNB1</i>	-3.18874	4.758156	6.55x10 ⁻⁷⁰	1.94x10 ⁻⁶⁷
<i>CDC6</i>	-3.67073	3.607072	1.39x10 ⁻⁶⁹	4.06x10 ⁻⁶⁷
<i>FMO2</i>	3.128877	7.471572	2.42x10 ⁻⁶⁹	6.94x10 ⁻⁶⁷
<i>ASPM</i>	-4.03251	3.733637	1.73x10 ⁻⁶⁸	4.79x10 ⁻⁶⁶
<i>LGR4</i>	-2.85	5.495939	2.77x10 ⁻⁶⁸	7.57x10 ⁻⁶⁶
<i>IQGAP3</i>	-4.11432	4.168017	4.13x10 ⁻⁶⁸	1.09x10 ⁻⁶⁵
<i>DLGAP5</i>	-4.31509	3.292848	5.08x10 ⁻⁶⁸	1.32x10 ⁻⁶⁵
<i>HMGB3</i>	-3.27826	7.141722	7.12x10 ⁻⁶⁸	1.83x10 ⁻⁶⁵

<i>CALCRL</i>	2.587932	6.948808	1.73x10 ⁻⁶⁷	4.36x10 ⁻⁶⁵
<i>KIF14</i>	-4.30352	2.629729	1.94x10 ⁻⁶⁷	4.84x10 ⁻⁶⁵
<i>SIPR1</i>	2.588716	6.687159	2.07x10 ⁻⁶⁷	5.09x10 ⁻⁶⁵
<i>OCIAD2</i>	-2.21885	6.117492	3.98x10 ⁻⁶⁷	9.50x10 ⁻⁶⁵
<i>KIF26B</i>	-3.45353	3.959136	9.81x10 ⁻⁶⁷	2.31x10 ⁻⁶⁴
<i>UHRF1</i>	-3.82789	3.343328	1.05x10 ⁻⁶⁶	2.45x10 ⁻⁶⁴
<i>SEMA3G</i>	3.295627	5.415058	1.14x10 ⁻⁶⁶	2.62x10 ⁻⁶⁴
<i>PSAT1</i>	-3.60668	4.033114	1.35x10 ⁻⁶⁶	3.01x10 ⁻⁶⁴
<i>FAM189A2</i>	3.250988	5.463548	1.35x10 ⁻⁶⁶	3.01x10 ⁻⁶⁴
<i>PPAT</i>	-2.06297	3.765902	2.96x10 ⁻⁶⁶	6.45x10 ⁻⁶⁴
<i>TPX2</i>	-4.06652	5.256174	3.09x10 ⁻⁶⁶	6.65x10 ⁻⁶⁴
<i>GPR146</i>	2.359162	4.0514	4.13x10 ⁻⁶⁶	8.77x10 ⁻⁶⁴
<i>PALM2-AKAP2</i>	2.109067	7.413979	5.60x10 ⁻⁶⁶	1.17x10 ⁻⁶³
<i>CLIC5</i>	3.827341	7.896351	7.65x10 ⁻⁶⁶	1.58x10 ⁻⁶³
<i>ARHGAP6</i>	2.459825	3.57269	7.91x10 ⁻⁶⁶	1.62x10 ⁻⁶³
<i>MDK</i>	-2.89675	7.376977	1.36x10 ⁻⁶⁵	2.75x10 ⁻⁶³
<i>C20orf160</i>	2.582881	3.393392	1.58x10 ⁻⁶⁵	3.17x10 ⁻⁶³
<i>BUB1B</i>	-3.9757	3.271491	2.57x10 ⁻⁶⁵	5.07x10 ⁻⁶³
<i>KIF11</i>	-3.23075	4.283291	3.07x10 ⁻⁶⁵	5.99x10 ⁻⁶³
<i>AGER</i>	5.533612	10.21001	4.35x10 ⁻⁶⁵	8.34x10 ⁻⁶³
<i>SPAG5</i>	-3.43039	4.298376	4.37x10 ⁻⁶⁵	8.34x10 ⁻⁶³
<i>WNT3A</i>	4.682663	3.041583	9.77x10 ⁻⁶⁵	1.81x10 ⁻⁶²
<i>C13orf36</i>	5.896936	3.23554	1.58x10 ⁻⁶⁴	2.89x10 ⁻⁶²
<i>MEX3A</i>	-4.52866	4.399018	1.85x10 ⁻⁶⁴	3.35x10 ⁻⁶²
<i>SLC19A3</i>	3.397671	3.9674	2.36x10 ⁻⁶⁴	4.23x10 ⁻⁶²
<i>KIF20A</i>	-3.67857	3.619323	3.26x10 ⁻⁶⁴	5.78x10 ⁻⁶²
<i>RECQL4</i>	-3.21711	3.369024	4.35x10 ⁻⁶⁴	7.63x10 ⁻⁶²
<i>GPRIN1</i>	-3.06304	3.026195	5.60x10 ⁻⁶⁴	9.72x10 ⁻⁶²
<i>CDC48</i>	-3.45884	3.752309	3.44x10 ⁻⁶³	5.79x10 ⁻⁶¹

<i>DEPDC1</i>	-4.1903	2.884966	3.58x10 ⁻⁶³	5.97x10 ⁻⁶¹
<i>CRABP2</i>	-5.98089	6.975558	4.17x10 ⁻⁶³	6.90x10 ⁻⁶¹
<i>NEK2</i>	-4.07653	3.299612	8.77x10 ⁻⁶³	1.41x10 ⁻⁶⁰
<i>KIF2C</i>	-4.10077	3.764513	1.60x10 ⁻⁶²	2.54x10 ⁻⁶⁰
<i>STIL</i>	-2.87093	3.086547	2.01x10 ⁻⁶²	3.17x10 ⁻⁶⁰
<i>HMMR</i>	-3.58838	3.272481	2.76x10 ⁻⁶²	4.32x10 ⁻⁶⁰
<i>SLC25A10</i>	-2.0736	4.655872	3.03x10 ⁻⁶²	4.68x10 ⁻⁶⁰
<i>PLK1</i>	-3.64872	4.003414	3.07x10 ⁻⁶²	4.71x10 ⁻⁶⁰
<i>GPD1</i>	4.605345	5.354686	5.62x10 ⁻⁶²	8.48x10 ⁻⁶⁰
<i>SLC2A1</i>	-3.84446	6.983178	5.84x10 ⁻⁶²	8.74x10 ⁻⁶⁰
<i>IGSF9</i>	-3.8492	4.173656	7.33x10 ⁻⁶²	1.09x10 ⁻⁵⁹
<i>NUF2</i>	-4.25406	2.808089	7.39x10 ⁻⁶²	1.09x10 ⁻⁵⁹
<i>B3GNT3</i>	-4.45973	4.734296	9.13x10 ⁻⁶²	1.33x10 ⁻⁵⁹
<i>LOC84740</i>	-6.42661	5.422287	1.07x10 ⁻⁶¹	1.54x10 ⁻⁵⁹
<i>ROBO4</i>	2.566358	6.45674	1.07x10 ⁻⁶¹	1.54x10 ⁻⁵⁹
<i>NCKAP5</i>	3.719499	5.026494	1.21x10 ⁻⁶¹	1.72x10 ⁻⁵⁹
<i>PAFAH1B3</i>	-2.19062	4.591398	1.34x10 ⁻⁶¹	1.89x10 ⁻⁵⁹
<i>STX1A</i>	-3.44012	3.337163	1.57x10 ⁻⁶¹	2.17x10 ⁻⁵⁹
<i>RASIP1</i>	2.30091	4.919846	1.60x10 ⁻⁶¹	2.20x10 ⁻⁵⁹
<i>TNNC1</i>	4.218348	5.29727	1.62x10 ⁻⁶¹	2.21x10 ⁻⁵⁹
<i>TGMI</i>	3.330167	2.506846	3.35x10 ⁻⁶¹	4.43x10 ⁻⁵⁹
<i>FOXF1</i>	2.550933	4.920029	4.82x10 ⁻⁶¹	6.28x10 ⁻⁵⁹
<i>CDH5</i>	2.277131	7.345456	6.03x10 ⁻⁶¹	7.80x10 ⁻⁵⁹
<i>CDC20</i>	-4.04854	4.330365	8.50x10 ⁻⁶¹	1.09x10 ⁻⁵⁸
<i>GINS1</i>	-3.13453	3.156928	1.04x10 ⁻⁶⁰	1.31x10 ⁻⁵⁸
<i>CCDC48</i>	2.954911	3.681844	1.26x10 ⁻⁶⁰	1.58x10 ⁻⁵⁸
<i>HJURP</i>	-4.08324	3.173139	1.42x10 ⁻⁶⁰	1.76x10 ⁻⁵⁸
<i>KL</i>	2.92379	3.556937	1.74x10 ⁻⁶⁰	2.15x10 ⁻⁵⁸
<i>PRCI</i>	-2.83555	4.547435	2.15x10 ⁻⁶⁰	2.64x10 ⁻⁵⁸

<i>CKAP2L</i>	-3.68627	2.506734	3.70x10 ⁻⁶⁰	4.48x10 ⁻⁵⁸
<i>TMEM184A</i>	-2.70939	4.427395	6.31x10 ⁻⁶⁰	7.53x10 ⁻⁵⁸
<i>CEP55</i>	-3.61864	3.910039	6.95x10 ⁻⁶⁰	8.24x10 ⁻⁵⁸
<i>KIF23</i>	-3.09947	3.56903	8.18x10 ⁻⁶⁰	9.63x10 ⁻⁵⁸
<i>MELK</i>	-4.26059	3.280399	1.74x10 ⁻⁵⁹	2.04x10 ⁻⁵⁷
<i>UBE2C</i>	-4.21361	4.257835	1.81x10 ⁻⁵⁹	2.11x10 ⁻⁵⁷
<i>EMCN</i>	2.727988	5.563287	3.01x10 ⁻⁵⁹	3.44x10 ⁻⁵⁷
<i>FOXM1</i>	-3.55767	4.619286	3.89x10 ⁻⁵⁹	4.40x10 ⁻⁵⁷
<i>CAV2</i>	2.299761	8.131186	1.01x10 ⁻⁵⁸	1.12x10 ⁻⁵⁶
<i>CBLC</i>	-3.54277	3.406721	1.51x10 ⁻⁵⁸	1.66x10 ⁻⁵⁶
<i>CYYR1</i>	2.048652	5.207079	5.97x10 ⁻⁵⁸	6.42x10 ⁻⁵⁶
<i>XDH</i>	-4.80171	3.840118	6.42x10 ⁻⁵⁸	6.86x10 ⁻⁵⁶
<i>MCM4</i>	-2.44205	5.619217	8.56x10 ⁻⁵⁸	9.08x10 ⁻⁵⁶
<i>ECT2</i>	-2.33718	5.141886	1.16x10 ⁻⁵⁷	1.22x10 ⁻⁵⁵
<i>TTK</i>	-3.98801	2.648186	1.28x10 ⁻⁵⁷	1.34x10 ⁻⁵⁵
<i>MKI67</i>	-3.41813	5.796877	1.30x10 ⁻⁵⁷	1.35x10 ⁻⁵⁵
<i>GREM1</i>	-5.83692	5.906081	2.43x10 ⁻⁵⁷	2.52x10 ⁻⁵⁵
<i>GIMAP8</i>	2.248968	5.788997	4.76x10 ⁻⁵⁷	4.87x10 ⁻⁵⁵
<i>ZWINT</i>	-2.74576	4.218289	5.32x10 ⁻⁵⁷	5.41x10 ⁻⁵⁵
<i>ADM2</i>	-3.43228	3.259686	6.15x10 ⁻⁵⁷	6.22x10 ⁻⁵⁵
<i>INMT</i>	3.475325	7.517095	2.13x10 ⁻⁵⁶	2.13x10 ⁻⁵⁴
<i>BIRC5</i>	-4.15767	3.470559	3.66x10 ⁻⁵⁶	3.63x10 ⁻⁵⁴
<i>PODXL2</i>	-3.38854	4.950499	4.60x10 ⁻⁵⁶	4.54x10 ⁻⁵⁴
<i>MYCT1</i>	2.050452	4.585187	1.15x10 ⁻⁵⁵	1.13x10 ⁻⁵³
<i>NCAPH</i>	-3.44443	3.118211	1.73x10 ⁻⁵⁵	1.68x10 ⁻⁵³
<i>TNSI</i>	2.121052	9.43514	1.87x10 ⁻⁵⁵	1.81x10 ⁻⁵³
<i>TROAP</i>	-4.0591	2.687021	3.52x10 ⁻⁵⁵	3.35x10 ⁻⁵³
<i>KIF18B</i>	-3.91917	2.771388	4.59x10 ⁻⁵⁵	4.29x10 ⁻⁵³
<i>FANCI</i>	-2.29437	4.451377	4.87x10 ⁻⁵⁵	4.52x10 ⁻⁵³

<i>RRM2</i>	-3.48796	5.12621	5.81x10 ⁻⁵⁵	5.31x10 ⁻⁵³
<i>GJB2</i>	-4.73253	4.53354	8.00x10 ⁻⁵⁵	7.28x10 ⁻⁵³
<i>EFNA4</i>	-2.22762	3.72429	8.34x10 ⁻⁵⁵	7.55x10 ⁻⁵³
<i>MCM10</i>	-4.15889	2.501921	1.47x10 ⁻⁵⁴	1.32x10 ⁻⁵²
<i>GCOM1</i>	3.1545	5.265156	1.68x10 ⁻⁵⁴	1.50x10 ⁻⁵²
<i>SCUBE1</i>	3.931818	3.672727	1.74x10 ⁻⁵⁴	1.55x10 ⁻⁵²
<i>CCNA2</i>	-3.14684	3.812917	2.34x10 ⁻⁵⁴	2.05x10 ⁻⁵²
<i>CLEC14A</i>	2.14227	6.212785	2.38x10 ⁻⁵⁴	2.08x10 ⁻⁵²
<i>NDC80</i>	-3.60545	2.685353	4.78x10 ⁻⁵⁴	4.15x10 ⁻⁵²
<i>BTNL9</i>	3.910795	4.954296	5.20x10 ⁻⁵⁴	4.49x10 ⁻⁵²
<i>ECSCR</i>	2.210314	3.396861	6.65x10 ⁻⁵⁴	5.71x10 ⁻⁵²
<i>CENPE</i>	-3.1868	3.002389	1.29x10 ⁻⁵³	1.09x10 ⁻⁵¹
<i>EPR1</i>	-3.62156	3.768822	1.40x10 ⁻⁵³	1.18x10 ⁻⁵¹
<i>CDCA5</i>	-3.20337	3.889928	1.62x10 ⁻⁵³	1.36x10 ⁻⁵¹
<i>SERINC2</i>	-2.08798	6.974195	2.06x10 ⁻⁵³	1.71x10 ⁻⁵¹
<i>HIGD1B</i>	2.871754	2.776513	2.15x10 ⁻⁵³	1.76x10 ⁻⁵¹
<i>EZH2</i>	-2.7878	3.451298	2.60x10 ⁻⁵³	2.12x10 ⁻⁵¹
<i>CGNL1</i>	2.281298	6.729941	3.12x10 ⁻⁵³	2.53x10 ⁻⁵¹
<i>NME1</i>	-2.17506	5.978491	3.67x10 ⁻⁵³	2.96x10 ⁻⁵¹
<i>CCDC85A</i>	2.922841	3.814331	3.90x10 ⁻⁵³	3.13x10 ⁻⁵¹
<i>AOC3</i>	2.26798	7.861842	5.17x10 ⁻⁵³	4.11x10 ⁻⁵¹
<i>NUSAP1</i>	-2.74745	4.208516	6.24x10 ⁻⁵³	4.92x10 ⁻⁵¹
<i>SDPR</i>	2.950641	7.914752	9.22x10 ⁻⁵³	7.18x10 ⁻⁵¹
<i>CHAF1B</i>	-2.29894	2.91549	9.24x10 ⁻⁵³	7.18x10 ⁻⁵¹
<i>GRASP</i>	2.442	4.454574	1.25x10 ⁻⁵²	9.57x10 ⁻⁵¹
<i>FHL2</i>	-2.9228	5.746131	1.34x10 ⁻⁵²	1.02x10 ⁻⁵⁰
<i>FAM107A</i>	4.112955	7.223009	1.45x10 ⁻⁵²	1.10x10 ⁻⁵⁰
<i>STXBP6</i>	3.448558	3.371817	1.74x10 ⁻⁵²	1.32x10 ⁻⁵⁰
<i>GINS2</i>	-2.8944	2.686978	1.76x10 ⁻⁵²	1.33x10 ⁻⁵⁰

<i>AK3L1</i>	-3.52617	3.153744	2.44x10 ⁻⁵²	1.82x10 ⁻⁵⁰
<i>CLDN5</i>	2.852564	6.606271	2.49x10 ⁻⁵²	1.84x10 ⁻⁵⁰
<i>NCAPG</i>	-3.52058	3.533824	2.64x10 ⁻⁵²	1.94x10 ⁻⁵⁰
<i>CCNB2</i>	-3.38715	3.5462	3.22x10 ⁻⁵²	2.37x10 ⁻⁵⁰
<i>RAPGEF4</i>	2.123102	3.406817	3.39x10 ⁻⁵²	2.47x10 ⁻⁵⁰
<i>BUB1</i>	-3.12481	3.880232	3.56x10 ⁻⁵²	2.57x10 ⁻⁵⁰
<i>AKAP2</i>	2.238092	7.26245	4.10x10 ⁻⁵²	2.95x10 ⁻⁵⁰
<i>PTGES</i>	-3.15401	4.84232	5.65x10 ⁻⁵²	4.05x10 ⁻⁵⁰
<i>NFKBIL2</i>	-2.30182	3.390826	1.07x10 ⁻⁵¹	7.62x10 ⁻⁵⁰
<i>LYPD1</i>	-4.10158	3.113354	1.22x10 ⁻⁵¹	8.57x10 ⁻⁵⁰
<i>EEF1A2</i>	-6.55503	4.921757	1.33x10 ⁻⁵¹	9.32x10 ⁻⁵⁰
<i>GALNT14</i>	-4.47253	3.899556	1.54x10 ⁻⁵¹	1.08x10 ⁻⁴⁹
<i>KAL1</i>	2.586814	7.189084	1.70x10 ⁻⁵¹	1.19x10 ⁻⁴⁹
<i>DBNDD1</i>	-2.15776	4.552361	2.71x10 ⁻⁵¹	1.88x10 ⁻⁴⁹
<i>KCNN4</i>	-3.57513	5.150208	2.99x10 ⁻⁵¹	2.06x10 ⁻⁴⁹
<i>TK1</i>	-2.76708	5.216623	3.03x10 ⁻⁵¹	2.07x10 ⁻⁴⁹
<i>KCNT2</i>	3.198941	2.593518	3.18x10 ⁻⁵¹	2.17x10 ⁻⁴⁹
<i>VIPR1</i>	3.649758	6.238515	3.23x10 ⁻⁵¹	2.20x10 ⁻⁴⁹
<i>PLEK2</i>	-3.05507	3.729698	3.48x10 ⁻⁵¹	2.36x10 ⁻⁴⁹
<i>MAD2L1</i>	-2.85694	3.596606	4.49x10 ⁻⁵¹	3.01x10 ⁻⁴⁹
<i>AURKA</i>	-2.75864	3.883283	5.21x10 ⁻⁵¹	3.47x10 ⁻⁴⁹
<i>FBXO32</i>	-2.92358	4.401293	5.54x10 ⁻⁵¹	3.68x10 ⁻⁴⁹
<i>PGM2L1</i>	-2.18884	5.118641	5.95x10 ⁻⁵¹	3.93x10 ⁻⁴⁹
<i>MYEOV</i>	-6.09438	2.919453	8.75x10 ⁻⁵¹	5.77x10 ⁻⁴⁹
<i>PROM2</i>	-2.79226	5.832966	1.32x10 ⁻⁵⁰	8.65x10 ⁻⁴⁹
<i>KIFC1</i>	-2.80656	3.829076	1.51x10 ⁻⁵⁰	9.84x10 ⁻⁴⁹
<i>ANGPTL1</i>	2.724937	3.050487	1.55x10 ⁻⁵⁰	1.01x10 ⁻⁴⁸
<i>FGF11</i>	-3.72176	2.521316	1.94x10 ⁻⁵⁰	1.26x10 ⁻⁴⁸
<i>ABCA12</i>	-6.32859	2.773648	1.96x10 ⁻⁵⁰	1.27x10 ⁻⁴⁸

<i>TNFRSF21</i>	-2.12656	7.178325	2.94x10 ⁻⁵⁰	1.88x10 ⁻⁴⁸
<i>ERO1L</i>	-2.43258	6.691914	3.42x10 ⁻⁵⁰	2.19x10 ⁻⁴⁸
<i>CELSR3</i>	-3.55476	3.183675	3.67x10 ⁻⁵⁰	2.33x10 ⁻⁴⁸
<i>FAM111B</i>	-2.96256	3.003793	3.67x10 ⁻⁵⁰	2.33x10 ⁻⁴⁸
<i>CABYR</i>	-4.80491	2.815829	7.21x10 ⁻⁵⁰	4.52x10 ⁻⁴⁸
<i>SMAD6</i>	2.791294	4.745791	9.78x10 ⁻⁵⁰	6.02x10 ⁻⁴⁸
<i>KIAA0101</i>	-2.95161	3.182847	9.81x10 ⁻⁵⁰	6.02x10 ⁻⁴⁸
<i>CTHRC1</i>	-4.0644	5.603476	1.07x10 ⁻⁴⁹	6.54x10 ⁻⁴⁸
<i>RHBDL2</i>	-3.21295	2.77616	1.23x10 ⁻⁴⁹	7.47x10 ⁻⁴⁸
<i>ESPL1</i>	-3.64168	3.033313	1.81x10 ⁻⁴⁹	1.09x10 ⁻⁴⁷
<i>PTPRH</i>	-5.81237	3.201888	2.01x10 ⁻⁴⁹	1.20x10 ⁻⁴⁷
<i>GTSE1</i>	-3.39998	2.694587	2.08x10 ⁻⁴⁹	1.24x10 ⁻⁴⁷
<i>PTPRB</i>	2.610818	7.242177	2.42x10 ⁻⁴⁹	1.43x10 ⁻⁴⁷
<i>NCAPG2</i>	-2.11263	4.49811	2.45x10 ⁻⁴⁹	1.44x10 ⁻⁴⁷
<i>PKNOX2</i>	2.474721	3.430709	3.11x10 ⁻⁴⁹	1.82x10 ⁻⁴⁷
<i>DPEP2</i>	2.369898	3.734106	5.18x10 ⁻⁴⁹	3.00x10 ⁻⁴⁷
<i>COX4I2</i>	2.627257	3.346161	8.09x10 ⁻⁴⁹	4.65x10 ⁻⁴⁷
<i>SPTBN2</i>	-2.56833	4.942098	1.02x10 ⁻⁴⁸	5.84x10 ⁻⁴⁷
<i>SLC35F2</i>	-2.09752	5.020597	1.11x10 ⁻⁴⁸	6.36x10 ⁻⁴⁷
<i>FAM46B</i>	2.669847	4.634807	1.15x10 ⁻⁴⁸	6.53x10 ⁻⁴⁷
<i>ITPKA</i>	-5.69051	2.994903	1.37x10 ⁻⁴⁸	7.76x10 ⁻⁴⁷
<i>CCNE1</i>	-3.75046	2.548281	1.53x10 ⁻⁴⁸	8.66x10 ⁻⁴⁷
<i>THSD1</i>	2.219939	3.66199	2.54x10 ⁻⁴⁸	1.42x10 ⁻⁴⁶
<i>SRD5A1</i>	-2.06014	3.935272	2.74x10 ⁻⁴⁸	1.52x10 ⁻⁴⁶
<i>COL10A1</i>	-5.13283	5.49586	3.16x10 ⁻⁴⁸	1.75x10 ⁻⁴⁶
<i>HMGAI</i>	-2.41437	7.252439	5.85x10 ⁻⁴⁸	3.19x10 ⁻⁴⁶
<i>UPK3B</i>	4.960993	6.302941	7.08x10 ⁻⁴⁸	3.84x10 ⁻⁴⁶
<i>LTBP4</i>	2.131525	8.049333	9.15x10 ⁻⁴⁸	4.92x10 ⁻⁴⁶
<i>TCF21</i>	2.894521	5.643461	1.32x10 ⁻⁴⁷	7.09x10 ⁻⁴⁶

<i>MCM2</i>	-2.24681	5.319299	2.32x10 ⁻⁴⁷	1.21x10 ⁻⁴⁵
<i>CD36</i>	2.942626	6.858637	2.44x10 ⁻⁴⁷	1.27x10 ⁻⁴⁵
<i>SC65</i>	-2.04171	4.597513	4.10x10 ⁻⁴⁷	2.12x10 ⁻⁴⁵
<i>COCH</i>	-4.39186	3.013164	4.26x10 ⁻⁴⁷	2.19x10 ⁻⁴⁵
<i>SEMA5A</i>	2.346915	6.358638	4.30x10 ⁻⁴⁷	2.21x10 ⁻⁴⁵
<i>KDELR3</i>	-2.35096	5.172185	5.70x10 ⁻⁴⁷	2.90x10 ⁻⁴⁵
<i>DACHI</i>	2.540962	3.518054	5.96x10 ⁻⁴⁷	3.02x10 ⁻⁴⁵
<i>C16orf75</i>	-2.19272	3.125463	6.35x10 ⁻⁴⁷	3.20x10 ⁻⁴⁵
<i>CD101</i>	2.812907	4.048064	1.05x10 ⁻⁴⁶	5.21x10 ⁻⁴⁵
<i>DAPK2</i>	2.323489	5.407219	1.05x10 ⁻⁴⁶	5.22x10 ⁻⁴⁵
<i>TMPRSS4</i>	-5.09328	6.113555	1.06x10 ⁻⁴⁶	5.23x10 ⁻⁴⁵
<i>PKMYT1</i>	-3.27917	2.809633	1.12x10 ⁻⁴⁶	5.52x10 ⁻⁴⁵
<i>CYP24A1</i>	-6.83034	5.50716	1.23x10 ⁻⁴⁶	6.05x10 ⁻⁴⁵
<i>SLC39A8</i>	2.26455	8.713892	2.03x10 ⁻⁴⁶	9.90x10 ⁻⁴⁵
<i>ITLN2</i>	5.888068	3.859452	2.13x10 ⁻⁴⁶	1.04x10 ⁻⁴⁴
<i>CHEK1</i>	-2.42478	3.001416	2.23x10 ⁻⁴⁶	1.08x10 ⁻⁴⁴
<i>FCN3</i>	4.7149	6.849796	3.06x10 ⁻⁴⁶	1.47x10 ⁻⁴⁴
<i>CIQTNF6</i>	-2.54388	4.47381	3.21x10 ⁻⁴⁶	1.54x10 ⁻⁴⁴
<i>NPR1</i>	2.582333	5.525564	3.75x10 ⁻⁴⁶	1.79x10 ⁻⁴⁴
<i>GPIHBP1</i>	3.533646	4.781385	4.05x10 ⁻⁴⁶	1.93x10 ⁻⁴⁴
<i>CDT1</i>	-2.87895	3.229674	4.28x10 ⁻⁴⁶	2.03x10 ⁻⁴⁴
<i>PTTG1</i>	-2.40414	3.796917	4.58x10 ⁻⁴⁶	2.16x10 ⁻⁴⁴
<i>PBK</i>	-3.83043	2.631589	4.83x10 ⁻⁴⁶	2.27x10 ⁻⁴⁴
<i>ADCY4</i>	2.0324	3.841981	9.20x10 ⁻⁴⁶	4.32x10 ⁻⁴⁴
<i>ASF1B</i>	-2.49205	3.659556	1.49x10 ⁻⁴⁵	6.95x10 ⁻⁴⁴
<i>ADAM12</i>	-3.67905	4.457312	1.55x10 ⁻⁴⁵	7.24x10 ⁻⁴⁴
<i>C19orf59</i>	4.095663	6.403242	2.06x10 ⁻⁴⁵	9.57x10 ⁻⁴⁴
<i>SLC5A9</i>	3.904511	2.689909	2.34x10 ⁻⁴⁵	1.08x10 ⁻⁴³
<i>THBS2</i>	-3.6333	7.561445	2.63x10 ⁻⁴⁵	1.21x10 ⁻⁴³

<i>ANKRD22</i>	-3.07479	4.307795	2.66x10 ⁻⁴⁵	1.22x10 ⁻⁴³
<i>KPNA2</i>	-2.191	6.37447	3.32x10 ⁻⁴⁵	1.51x10 ⁻⁴³
<i>CDO1</i>	2.699376	2.801539	5.48x10 ⁻⁴⁵	2.47x10 ⁻⁴³
<i>TPBG</i>	-2.10725	4.918862	5.96x10 ⁻⁴⁵	2.67x10 ⁻⁴³
<i>LRRC36</i>	3.643382	3.681687	6.06x10 ⁻⁴⁵	2.71x10 ⁻⁴³
<i>ARHGAP11A</i>	-2.35159	3.710549	7.34x10 ⁻⁴⁵	3.26x10 ⁻⁴³
<i>C14orf132</i>	2.280578	5.926994	7.70x10 ⁻⁴⁵	3.41x10 ⁻⁴³
<i>CDK1</i>	-2.66271	4.522638	7.86x10 ⁻⁴⁵	3.47x10 ⁻⁴³
<i>SEMA6A</i>	2.580365	4.896538	8.03x10 ⁻⁴⁵	3.54x10 ⁻⁴³
<i>MYBL2</i>	-4.17115	5.040625	9.15x10 ⁻⁴⁵	4.02x10 ⁻⁴³
<i>CD300LG</i>	5.272634	3.38445	1.07x10 ⁻⁴⁴	4.67x10 ⁻⁴³
<i>AURKB</i>	-3.55224	2.62794	1.40x10 ⁻⁴⁴	6.11x10 ⁻⁴³
<i>LRRN3</i>	3.010754	3.147829	1.70x10 ⁻⁴⁴	7.40x10 ⁻⁴³
<i>MMP11</i>	-5.62187	6.529732	1.79x10 ⁻⁴⁴	7.77x10 ⁻⁴³
<i>ATP10B</i>	-5.56352	2.978922	2.37x10 ⁻⁴⁴	1.02x10 ⁻⁴²
<i>CRYAB</i>	2.162392	4.357123	2.44x10 ⁻⁴⁴	1.05x10 ⁻⁴²
<i>SCN4B</i>	2.73533	4.653607	2.97x10 ⁻⁴⁴	1.27x10 ⁻⁴²
<i>SYT7</i>	-3.16802	4.954181	3.46x10 ⁻⁴⁴	1.48x10 ⁻⁴²
<i>GINS4</i>	-3.00998	2.887395	3.51x10 ⁻⁴⁴	1.49x10 ⁻⁴²
<i>PFKP</i>	-2.36977	6.781632	7.43x10 ⁻⁴⁴	3.14x10 ⁻⁴²
<i>PEAR1</i>	2.010554	4.062214	8.12x10 ⁻⁴⁴	3.40x10 ⁻⁴²
<i>SHCBP1</i>	-2.6954	2.97647	1.01x10 ⁻⁴³	4.21x10 ⁻⁴²
<i>MANEAL</i>	-2.13284	4.225674	1.08x10 ⁻⁴³	4.49x10 ⁻⁴²
<i>SLC6A4</i>	6.693531	6.445339	1.19x10 ⁻⁴³	4.92x10 ⁻⁴²
<i>CCRL1</i>	2.768634	3.040042	1.62x10 ⁻⁴³	6.64x10 ⁻⁴²
<i>EGLN3</i>	-2.95381	5.145623	1.84x10 ⁻⁴³	7.53x10 ⁻⁴²
<i>KNTC1</i>	-2.29638	3.887275	2.02x10 ⁻⁴³	8.21x10 ⁻⁴²
<i>THBD</i>	2.200005	7.207904	2.48x10 ⁻⁴³	1.01x10 ⁻⁴¹
<i>GCNT3</i>	-5.45367	4.888895	3.42x10 ⁻⁴³	1.38x10 ⁻⁴¹

<i>SPN</i>	2.188501	5.968731	3.44×10^{-43}	1.38×10^{-41}
<i>HHIPL2</i>	-7.35079	2.975633	4.43×10^{-43}	1.77×10^{-41}
<i>CCNF</i>	-2.02265	3.548687	4.77×10^{-43}	1.90×10^{-41}
<i>LYPD3</i>	-3.80758	3.737446	4.81×10^{-43}	1.91×10^{-41}
<i>WDHD1</i>	-2.11622	3.282786	1.00×10^{-42}	3.95×10^{-41}
<i>BCL2L15</i>	-3.71874	3.309001	1.04×10^{-42}	4.07×10^{-41}
<i>GLIPR2</i>	2.019564	6.678118	1.26×10^{-42}	4.94×10^{-41}
<i>PRAMI</i>	2.498961	3.713474	1.38×10^{-42}	5.38×10^{-41}
<i>TYMS</i>	-2.28295	4.316875	1.55×10^{-42}	6.02×10^{-41}
<i>STYK1</i>	-2.80748	2.533606	2.63×10^{-42}	9.99×10^{-41}
<i>TGFBR3</i>	2.442564	5.849298	2.79×10^{-42}	1.06×10^{-40}
<i>C1orf106</i>	-2.4238	5.878984	5.82×10^{-42}	2.17×10^{-40}
<i>HIST1H2BD</i>	-2.39116	3.51828	5.86×10^{-42}	2.18×10^{-40}
<i>MLF1IP</i>	-2.35841	3.565187	6.29×10^{-42}	2.33×10^{-40}
<i>STEAP1</i>	-3.1261	4.084453	6.74×10^{-42}	2.49×10^{-40}
<i>ADAM8</i>	-2.53819	5.656137	6.83×10^{-42}	2.52×10^{-40}
<i>SPDEF</i>	-3.3833	4.657649	7.42×10^{-42}	2.73×10^{-40}
<i>ACADL</i>	3.584059	3.819661	7.90×10^{-42}	2.89×10^{-40}
<i>HS6ST2</i>	-3.78122	4.764379	1.01×10^{-41}	3.68×10^{-40}
<i>COL11A1</i>	-7.5905	5.871438	1.01×10^{-41}	3.70×10^{-40}
<i>C8orf84</i>	2.808342	3.532538	1.08×10^{-41}	3.90×10^{-40}
<i>ECE2</i>	-2.00308	2.979864	2.15×10^{-41}	7.63×10^{-40}
<i>SOX17</i>	2.651874	3.158371	2.59×10^{-41}	9.17×10^{-40}
<i>FUT2</i>	-3.11722	3.696013	3.43×10^{-41}	1.20×10^{-39}
<i>TMEM100</i>	4.22623	6.450295	3.76×10^{-41}	1.31×10^{-39}
<i>GOLGA7B</i>	-2.79273	3.641749	3.89×10^{-41}	1.36×10^{-39}
<i>CNTN6</i>	4.177826	3.047445	4.23×10^{-41}	1.47×10^{-39}
<i>MARCKSL1</i>	-2.1557	7.264848	4.24×10^{-41}	1.47×10^{-39}
<i>P2RY6</i>	-2.99366	3.37816	4.50×10^{-41}	1.55×10^{-39}

<i>EPHB2</i>	-2.69624	4.850972	6.61x10 ⁻⁴¹	2.27x10 ⁻³⁹
<i>FHL5</i>	2.726806	3.082521	9.79x10 ⁻⁴¹	3.33x10 ⁻³⁹
<i>GPA33</i>	3.649989	3.390738	1.20x10 ⁻⁴⁰	4.08x10 ⁻³⁹
<i>BMP8A</i>	-2.72959	3.094729	1.24x10 ⁻⁴⁰	4.21x10 ⁻³⁹
<i>MASP1</i>	3.053975	3.264876	1.97x10 ⁻⁴⁰	6.60x10 ⁻³⁹
<i>EPN3</i>	-3.13178	3.406064	2.82x10 ⁻⁴⁰	9.33x10 ⁻³⁹
<i>CCNE2</i>	-2.56902	2.62503	3.47x10 ⁻⁴⁰	1.14x10 ⁻³⁸
<i>CD52</i>	2.478082	6.986179	4.65x10 ⁻⁴⁰	1.51x10 ⁻³⁸
<i>PLAU</i>	-3.24816	7.397662	4.93x10 ⁻⁴⁰	1.59x10 ⁻³⁸
<i>BCHE</i>	2.732457	3.15574	8.07x10 ⁻⁴⁰	2.57x10 ⁻³⁸
<i>RAC3</i>	-2.28257	2.958848	8.22x10 ⁻⁴⁰	2.62x10 ⁻³⁸
<i>ADAMTS8</i>	3.484225	4.930884	1.50x10 ⁻³⁹	4.74x10 ⁻³⁸
<i>CA4</i>	4.883847	4.443482	1.61x10 ⁻³⁹	5.05x10 ⁻³⁸
<i>PLK4</i>	-2.36864	2.560337	1.70x10 ⁻³⁹	5.30x10 ⁻³⁸
<i>KRT80</i>	-2.52279	5.371618	2.00x10 ⁻³⁹	6.20x10 ⁻³⁸
<i>PLXNB3</i>	-3.36835	3.603864	2.42x10 ⁻³⁹	7.48x10 ⁻³⁸
<i>SLC7A5</i>	-2.55384	6.281982	2.61x10 ⁻³⁹	8.08x10 ⁻³⁸
<i>HSPB8</i>	2.008715	6.113874	2.66x10 ⁻³⁹	8.22x10 ⁻³⁸
<i>MGAT3</i>	3.015675	5.370067	3.03x10 ⁻³⁹	9.33x10 ⁻³⁸
<i>CLEC1A</i>	2.098356	3.067378	3.52x10 ⁻³⁹	1.08x10 ⁻³⁷
<i>LRP2BP</i>	2.162271	3.019225	5.05x10 ⁻³⁹	1.53x10 ⁻³⁷
<i>TFAP2A</i>	-4.06497	3.204143	5.30x10 ⁻³⁹	1.60x10 ⁻³⁷
<i>GDF10</i>	3.235143	4.06979	7.99x10 ⁻³⁹	2.40x10 ⁻³⁷
<i>C10orf116</i>	2.718265	6.650284	1.37x10 ⁻³⁸	4.06x10 ⁻³⁷
<i>PVRL4</i>	-2.27719	5.325718	1.43x10 ⁻³⁸	4.25x10 ⁻³⁷
<i>MS4A7</i>	2.125747	6.506158	1.51x10 ⁻³⁸	4.46x10 ⁻³⁷
<i>GRIA1</i>	3.961961	3.575827	1.79x10 ⁻³⁸	5.26x10 ⁻³⁷
<i>UNC5CL</i>	-2.89606	2.920857	1.83x10 ⁻³⁸	5.35x10 ⁻³⁷
<i>SPP1</i>	-4.87192	8.505926	2.27x10 ⁻³⁸	6.63x10 ⁻³⁷

<i>MYO7A</i>	-2.13959	3.25145	3.57x10 ⁻³⁸	1.04x10 ⁻³⁶
<i>LMNB1</i>	-2.08565	5.078839	3.75x10 ⁻³⁸	1.08x10 ⁻³⁶
<i>SEMA6D</i>	2.430487	3.878954	3.84x10 ⁻³⁸	1.11x10 ⁻³⁶
<i>ADAMTSL4</i>	2.046398	6.244168	4.05x10 ⁻³⁸	1.17x10 ⁻³⁶
<i>MME</i>	2.678643	6.000617	4.12x10 ⁻³⁸	1.18x10 ⁻³⁶
<i>SULF1</i>	-3.10928	7.162575	4.17x10 ⁻³⁸	1.19x10 ⁻³⁶
<i>ABCC3</i>	-2.27251	6.964919	6.90x10 ⁻³⁸	1.95x10 ⁻³⁶
<i>GYLTL1B</i>	-2.20265	4.004284	9.40x10 ⁻³⁸	2.64x10 ⁻³⁶
<i>TNXB</i>	2.854058	7.274064	1.01x10 ⁻³⁷	2.82x10 ⁻³⁶
<i>ANKRD1</i>	4.733098	5.462986	1.09x10 ⁻³⁷	3.03x10 ⁻³⁶
<i>PDZD2</i>	2.33247	6.173694	1.22x10 ⁻³⁷	3.37x10 ⁻³⁶
<i>SRPX2</i>	-2.87814	4.527898	1.30x10 ⁻³⁷	3.61x10 ⁻³⁶
<i>EPHX3</i>	-2.33247	3.49065	1.42x10 ⁻³⁷	3.93x10 ⁻³⁶
<i>MFAP4</i>	2.368803	8.37229	1.95x10 ⁻³⁷	5.35x10 ⁻³⁶
<i>KIAA1524</i>	-2.40146	2.625134	2.09x10 ⁻³⁷	5.72x10 ⁻³⁶
<i>SYT15</i>	2.908772	5.166103	2.17x10 ⁻³⁷	5.93x10 ⁻³⁶
<i>DLC1</i>	2.231588	7.87808	2.19x10 ⁻³⁷	5.96x10 ⁻³⁶
<i>C14orf139</i>	2.008782	3.001892	3.40x10 ⁻³⁷	9.18x10 ⁻³⁶
<i>SBK1</i>	-2.58313	4.253354	3.68x10 ⁻³⁷	9.89x10 ⁻³⁶
<i>BEAN</i>	-3.53729	2.681753	4.17x10 ⁻³⁷	1.12x10 ⁻³⁵
<i>MAMDC2</i>	2.696251	5.281048	4.70x10 ⁻³⁷	1.25x10 ⁻³⁵
<i>COL5A2</i>	-2.76228	7.483841	6.01x10 ⁻³⁷	1.59x10 ⁻³⁵
<i>HTR3A</i>	-6.64864	2.783094	6.70x10 ⁻³⁷	1.77x10 ⁻³⁵
<i>PHACTR1</i>	2.296141	3.277039	6.76x10 ⁻³⁷	1.78x10 ⁻³⁵
<i>WDR62</i>	-2.62231	2.705858	8.50x10 ⁻³⁷	2.23x10 ⁻³⁵
<i>OLR1</i>	2.582257	6.780139	9.31x10 ⁻³⁷	2.43x10 ⁻³⁵
<i>CSRNP1</i>	2.229768	7.371593	1.19x10 ⁻³⁶	3.08x10 ⁻³⁵
<i>VEPH1</i>	2.763316	5.089576	1.42x10 ⁻³⁶	3.68x10 ⁻³⁵
<i>ABI3BP</i>	2.399618	6.418575	1.60x10 ⁻³⁶	4.14x10 ⁻³⁵

<i>GPX3</i>	2.200038	9.330486	3.44×10^{-36}	8.76×10^{-35}
<i>CDH3</i>	-3.19979	6.539753	3.70×10^{-36}	9.40×10^{-35}
<i>FAM162B</i>	2.26354	2.633945	4.56×10^{-36}	1.16×10^{-34}
<i>CDKN2A</i>	-3.6005	3.579223	5.57×10^{-36}	1.40×10^{-34}
<i>CCDC141</i>	3.283325	2.800086	5.90×10^{-36}	1.48×10^{-34}
<i>SELP</i>	2.297376	4.437471	8.57×10^{-36}	2.14×10^{-34}
<i>SIRPB1</i>	2.254941	4.780988	1.01×10^{-35}	2.49×10^{-34}
<i>TMEM132A</i>	-2.3023	5.410544	1.44×10^{-35}	3.53×10^{-34}
<i>DNAJC12</i>	-3.56364	2.964645	1.49×10^{-35}	3.63×10^{-34}
<i>FXYD1</i>	2.748571	3.212587	1.70×10^{-35}	4.13×10^{-34}
<i>ADAMTSL3</i>	2.210654	4.322661	1.79×10^{-35}	4.36×10^{-34}
<i>MFI2</i>	-3.82833	3.671173	1.81×10^{-35}	4.41×10^{-34}
<i>CILP2</i>	-4.09757	3.361334	1.98×10^{-35}	4.80×10^{-34}
<i>COL1A1</i>	-3.40366	11.1811	2.65×10^{-35}	6.35×10^{-34}
<i>ARNTL2</i>	-3.10407	3.053256	2.77×10^{-35}	6.62×10^{-34}
<i>ABP1</i>	-4.77299	4.203675	4.70×10^{-35}	1.12×10^{-33}
<i>LYVE1</i>	2.725627	5.219167	4.76×10^{-35}	1.13×10^{-33}
<i>TRIP13</i>	-2.9518	3.875055	7.28×10^{-35}	1.71×10^{-33}
<i>TBX4</i>	2.072008	4.756898	7.31×10^{-35}	1.72×10^{-33}
<i>GYG2</i>	-2.41836	3.065416	8.79×10^{-35}	2.05×10^{-33}
<i>LAMP3</i>	2.630679	8.762665	9.25×10^{-35}	2.15×10^{-33}
<i>LGI2</i>	-3.07871	3.372322	1.01×10^{-34}	2.33×10^{-33}
<i>FGFR4</i>	2.694309	5.531835	1.05×10^{-34}	2.43×10^{-33}
<i>HBEGF</i>	2.324296	6.60568	1.38×10^{-34}	3.18×10^{-33}
<i>COL3A1</i>	-3.12956	10.86697	1.60×10^{-34}	3.66×10^{-33}
<i>STRA6</i>	-4.68041	2.899216	1.62×10^{-34}	3.70×10^{-33}
<i>IGF2BP3</i>	-3.84169	3.856068	2.38×10^{-34}	5.38×10^{-33}
<i>SYT12</i>	-5.3791	3.858354	2.85×10^{-34}	6.36×10^{-33}
<i>NLRC4</i>	2.014443	3.543201	2.91×10^{-34}	6.50×10^{-33}

<i>LADI</i>	-2.0737	6.689828	3.18x10 ⁻³⁴	7.06x10 ⁻³³
<i>PPP2R2C</i>	-5.2576	2.78755	3.40x10 ⁻³⁴	7.53x10 ⁻³³
<i>CEACAM1</i>	-2.09216	5.242892	3.57x10 ⁻³⁴	7.87x10 ⁻³³
<i>FUT3</i>	-2.30524	4.426995	3.58x10 ⁻³⁴	7.90x10 ⁻³³
<i>PLAC9</i>	2.717779	3.712557	3.98x10 ⁻³⁴	8.74x10 ⁻³³
<i>LRRC32</i>	2.074121	6.747982	4.05x10 ⁻³⁴	8.89x10 ⁻³³
<i>FAM40B</i>	-2.95847	2.727631	4.33x10 ⁻³⁴	9.49x10 ⁻³³
<i>SOX7</i>	2.615188	4.902121	4.65x10 ⁻³⁴	1.01x10 ⁻³²
<i>SLIT2</i>	2.124241	5.606119	5.06x10 ⁻³⁴	1.10x10 ⁻³²
<i>DES</i>	3.094904	5.755882	5.95x10 ⁻³⁴	1.29x10 ⁻³²
<i>ARC</i>	3.50796	2.917811	7.82x10 ⁻³⁴	1.69x10 ⁻³²
<i>BARX2</i>	-4.95249	3.471428	1.09x10 ⁻³³	2.34x10 ⁻³²
<i>NXPH3</i>	2.121531	3.125913	1.68x10 ⁻³³	3.57x10 ⁻³²
<i>FGR</i>	2.036895	5.827885	1.91x10 ⁻³³	4.03x10 ⁻³²
<i>SLC29A4</i>	-2.99716	3.717852	2.07x10 ⁻³³	4.36x10 ⁻³²
<i>IL20RB</i>	-4.36432	2.650632	2.15x10 ⁻³³	4.52x10 ⁻³²
<i>PODNL1</i>	-2.97258	3.103188	2.37x10 ⁻³³	4.97x10 ⁻³²
<i>ANGPT1</i>	2.251094	5.115685	3.17x10 ⁻³³	6.58x10 ⁻³²
<i>GNG4</i>	-4.92928	3.109396	3.76x10 ⁻³³	7.78x10 ⁻³²
<i>PITX1</i>	-4.60452	3.099099	5.39x10 ⁻³³	1.10x10 ⁻³¹
<i>TNS4</i>	-4.41188	4.608931	5.59x10 ⁻³³	1.14x10 ⁻³¹
<i>SLC6A8</i>	-2.19889	5.065981	5.83x10 ⁻³³	1.19x10 ⁻³¹
<i>RPL39L</i>	-2.5935	3.383523	8.57x10 ⁻³³	1.72x10 ⁻³¹
<i>XAGE1D</i>	-5.95336	6.642826	9.92x10 ⁻³³	1.99x10 ⁻³¹
<i>GHR</i>	2.016857	2.552053	1.84x10 ⁻³²	3.62x10 ⁻³¹
<i>MAP7D2</i>	-4.13916	2.823014	1.99x10 ⁻³²	3.91x10 ⁻³¹
<i>C6orf174</i>	2.498053	4.323157	2.00x10 ⁻³²	3.92x10 ⁻³¹
<i>ADAM28</i>	-2.70604	4.173643	2.17x10 ⁻³²	4.23x10 ⁻³¹
<i>ABCA8</i>	2.963368	5.124509	3.15x10 ⁻³²	6.08x10 ⁻³¹

<i>OSCAR</i>	2.179959	5.113255	3.52×10^{-32}	6.75×10^{-31}
<i>SPOCK1</i>	-3.72333	3.584749	3.69×10^{-32}	7.07×10^{-31}
<i>FAP</i>	-2.77422	4.460515	4.09×10^{-32}	7.81×10^{-31}
<i>FAM83D</i>	-2.51658	3.483818	4.59×10^{-32}	8.75×10^{-31}
<i>COL5A1</i>	-2.51313	8.041652	7.71×10^{-32}	1.45×10^{-30}
<i>ITGA11</i>	-3.71599	5.180785	8.28×10^{-32}	1.55×10^{-30}
<i>PPAP2C</i>	-2.32516	5.63694	8.83×10^{-32}	1.65×10^{-30}
<i>SI00P</i>	-4.85185	6.8783	1.31×10^{-31}	2.41×10^{-30}
<i>CBX2</i>	-2.64686	3.495549	1.40×10^{-31}	2.59×10^{-30}
<i>INHA</i>	-6.78285	2.71534	1.90×10^{-31}	3.46×10^{-30}
<i>PAEP</i>	-8.0084	5.462616	2.21×10^{-31}	4.02×10^{-30}
<i>DKK2</i>	2.171738	3.627928	2.37×10^{-31}	4.31×10^{-30}
<i>C2CD4A</i>	-3.87738	2.985836	2.42×10^{-31}	4.38×10^{-30}
<i>RAD51AP1</i>	-2.16427	2.594273	3.04×10^{-31}	5.48×10^{-30}
<i>MC1R</i>	-2.00338	2.741399	3.60×10^{-31}	6.48×10^{-30}
<i>CFP</i>	2.057108	3.251517	3.63×10^{-31}	6.51×10^{-30}
<i>CPS1</i>	-6.68394	6.563564	4.39×10^{-31}	7.84×10^{-30}
<i>RPL13AP17</i>	4.37679	2.923716	5.25×10^{-31}	9.35×10^{-30}
<i>RTN4RL2</i>	-3.01745	2.503731	5.69×10^{-31}	1.01×10^{-29}
<i>NQO1</i>	-3.23167	7.810012	6.13×10^{-31}	1.08×10^{-29}
<i>DUSP4</i>	-2.61776	4.913351	6.39×10^{-31}	1.13×10^{-29}
<i>MMP1</i>	-4.99525	5.642243	7.82×10^{-31}	1.37×10^{-29}
<i>KRT81</i>	-6.08385	4.390675	8.53×10^{-31}	1.49×10^{-29}
<i>ADRB1</i>	3.257033	4.131586	1.53×10^{-30}	2.63×10^{-29}
<i>WISP1</i>	-2.61277	3.025197	1.72×10^{-30}	2.96×10^{-29}
<i>CA9</i>	-6.87219	4.44203	2.08×10^{-30}	3.55×10^{-29}
<i>C8orf73</i>	-2.23491	4.380236	2.24×10^{-30}	3.81×10^{-29}
<i>GLDN</i>	2.653772	4.377068	2.37×10^{-30}	4.03×10^{-29}
<i>SOX11</i>	-6.23537	2.767129	3.03×10^{-30}	5.11×10^{-29}

<i>SMOC1</i>	-4.30246	3.974401	3.27x10 ⁻³⁰	5.49x10 ⁻²⁹
<i>PANX2</i>	-2.3585	3.222701	3.94x10 ⁻³⁰	6.56x10 ⁻²⁹
<i>GPRIN2</i>	2.357432	5.361947	3.94x10 ⁻³⁰	6.56x10 ⁻²⁹
<i>BOP1</i>	-2.09581	3.602667	5.60x10 ⁻³⁰	9.25x10 ⁻²⁹
<i>FGL1</i>	-6.87638	4.18467	5.86x10 ⁻³⁰	9.68x10 ⁻²⁹
<i>GPX2</i>	-6.04859	5.866091	5.94x10 ⁻³⁰	9.79x10 ⁻²⁹
<i>LGI3</i>	4.233729	5.683218	7.33x10 ⁻³⁰	1.20x10 ⁻²⁸
<i>FNDC1</i>	-3.31441	5.412804	1.07x10 ⁻²⁹	1.73x10 ⁻²⁸
<i>MXRA5</i>	-2.35498	7.160647	1.67x10 ⁻²⁹	2.66x10 ⁻²⁸
<i>TUBB2B</i>	-4.50984	3.119488	1.67x10 ⁻²⁹	2.66x10 ⁻²⁸
<i>COL6A6</i>	2.698307	4.917919	2.76x10 ⁻²⁹	4.35x10 ⁻²⁸
<i>GPM6A</i>	3.662262	5.136422	2.91x10 ⁻²⁹	4.57x10 ⁻²⁸
<i>FA2H</i>	-2.54968	4.07099	2.97x10 ⁻²⁹	4.67x10 ⁻²⁸
<i>COL4A3</i>	2.719591	5.10929	3.12x10 ⁻²⁹	4.88x10 ⁻²⁸
<i>CFD</i>	2.279418	6.202302	3.27x10 ⁻²⁹	5.10x10 ⁻²⁸
<i>CP</i>	-3.55542	8.105739	3.62x10 ⁻²⁹	5.63x10 ⁻²⁸
<i>LPL</i>	2.479169	7.216827	3.88x10 ⁻²⁹	6.01x10 ⁻²⁸
<i>SPTB</i>	-3.27165	4.785077	4.01x10 ⁻²⁹	6.19x10 ⁻²⁸
<i>ADAMTS1</i>	2.1079	7.009283	4.25x10 ⁻²⁹	6.55x10 ⁻²⁸
<i>BARX1</i>	-7.61341	3.023737	4.54x10 ⁻²⁹	6.99x10 ⁻²⁸
<i>FIGF</i>	3.577826	4.949706	5.02x10 ⁻²⁹	7.72x10 ⁻²⁸
<i>KIAA1683</i>	2.855201	4.182609	5.70x10 ⁻²⁹	8.73x10 ⁻²⁸
<i>MMP13</i>	-6.77904	4.620044	9.23x10 ⁻²⁹	1.38x10 ⁻²⁷
<i>ODZ4</i>	-2.3449	3.857201	9.59x10 ⁻²⁹	1.44x10 ⁻²⁷
<i>C15orf48</i>	-3.41735	5.461957	1.50x10 ⁻²⁸	2.22x10 ⁻²⁷
<i>MDGA1</i>	2.091964	3.77661	1.61x10 ⁻²⁸	2.37x10 ⁻²⁷
<i>FAM101A</i>	-3.41555	2.66363	2.27x10 ⁻²⁸	3.32x10 ⁻²⁷
<i>ABCC2</i>	-5.43727	2.937864	2.97x10 ⁻²⁸	4.34x10 ⁻²⁷
<i>DSP</i>	-2.35894	8.113357	4.03x10 ⁻²⁸	5.83x10 ⁻²⁷

<i>ITIH5</i>	2.043262	5.565846	4.51x10 ⁻²⁸	6.50x10 ⁻²⁷
<i>GJB3</i>	-3.67737	3.282108	4.64x10 ⁻²⁸	6.69x10 ⁻²⁷
<i>PLOD2</i>	-2.40063	6.613971	5.13x10 ⁻²⁸	7.38x10 ⁻²⁷
<i>GPR87</i>	-4.63493	3.052481	5.74x10 ⁻²⁸	8.23x10 ⁻²⁷
<i>CDK5R1</i>	-2.17205	2.682974	5.83x10 ⁻²⁸	8.35x10 ⁻²⁷
<i>TESC</i>	-3.39234	5.251577	8.02x10 ⁻²⁸	1.14x10 ⁻²⁶
<i>AIM2</i>	-3.66812	3.11484	8.64x10 ⁻²⁸	1.22x10 ⁻²⁶
<i>AATK</i>	2.285609	4.626126	8.75x10 ⁻²⁸	1.23x10 ⁻²⁶
<i>COL7A1</i>	-3.54111	3.109113	8.93x10 ⁻²⁸	1.26x10 ⁻²⁶
<i>LOC149620</i>	4.927388	2.988728	9.47x10 ⁻²⁸	1.33x10 ⁻²⁶
<i>XKRX</i>	-2.72615	2.98841	9.96x10 ⁻²⁸	1.40x10 ⁻²⁶
<i>PDK4</i>	2.414236	7.258987	1.14x10 ⁻²⁷	1.59x10 ⁻²⁶
<i>TFF1</i>	-10.1548	5.513318	1.39x10 ⁻²⁷	1.93x10 ⁻²⁶
<i>KRT4</i>	3.814787	4.579097	1.41x10 ⁻²⁷	1.95x10 ⁻²⁶
<i>MMP12</i>	-4.61803	4.474453	1.42x10 ⁻²⁷	1.96x10 ⁻²⁶
<i>DTL</i>	-2.20733	3.568057	1.87x10 ⁻²⁷	2.57x10 ⁻²⁶
<i>HES6</i>	-3.20895	4.132306	2.21x10 ⁻²⁷	3.02x10 ⁻²⁶
<i>CLDN10</i>	-4.4478	3.94563	2.23x10 ⁻²⁷	3.04x10 ⁻²⁶
<i>ADAMTS12</i>	-2.49923	3.235421	2.33x10 ⁻²⁷	3.17x10 ⁻²⁶
<i>VCAN</i>	-2.29467	7.945208	2.47x10 ⁻²⁷	3.37x10 ⁻²⁶
<i>RETN</i>	3.463868	2.785951	3.80x10 ⁻²⁷	5.12x10 ⁻²⁶
<i>PRAME</i>	-7.32101	3.379457	4.20x10 ⁻²⁷	5.64x10 ⁻²⁶
<i>ABCA9</i>	2.176026	2.596892	4.44x10 ⁻²⁷	5.95x10 ⁻²⁶
<i>SPINK1</i>	-6.78558	6.55231	4.96x10 ⁻²⁷	6.62x10 ⁻²⁶
<i>SLCIA1</i>	2.156681	5.824524	5.04x10 ⁻²⁷	6.72x10 ⁻²⁶
<i>MARCO</i>	2.766844	8.011023	6.02x10 ⁻²⁷	8.00x10 ⁻²⁶
<i>DUOX1</i>	2.712008	7.172978	6.70x10 ⁻²⁷	8.88x10 ⁻²⁶
<i>LHFPL5</i>	-4.61967	-2.52897	7.83x10 ⁻²⁷	1.03x10 ⁻²⁵
<i>PLA2G4F</i>	2.704067	5.250777	8.13x10 ⁻²⁷	1.07x10 ⁻²⁵

<i>CIQTNF7</i>	2.236467	3.577447	8.79x10 ⁻²⁷	1.15x10 ⁻²⁵
<i>B3GNT6</i>	-5.94194	3.325349	9.08x10 ⁻²⁷	1.19x10 ⁻²⁵
<i>NT5E</i>	-2.21025	5.925591	1.10x10 ⁻²⁶	1.42x10 ⁻²⁵
<i>MAGED4B</i>	-2.41074	3.906356	1.33x10 ⁻²⁶	1.72x10 ⁻²⁵
<i>ABCA4</i>	-4.15455	3.357688	1.90x10 ⁻²⁶	2.43x10 ⁻²⁵
<i>PLA2G4A</i>	-2.64686	5.301608	2.00x10 ⁻²⁶	2.54x10 ⁻²⁵
<i>SLCO1A2</i>	4.399059	2.571467	2.05x10 ⁻²⁶	2.61x10 ⁻²⁵
<i>MUC13</i>	-6.01256	5.031862	2.31x10 ⁻²⁶	2.92x10 ⁻²⁵
<i>LGSN</i>	-4.3262	3.204225	2.32x10 ⁻²⁶	2.93x10 ⁻²⁵
<i>RADIL</i>	2.311062	2.919896	2.37x10 ⁻²⁶	2.99x10 ⁻²⁵
<i>HMGA2</i>	-6.17301	3.590592	2.43x10 ⁻²⁶	3.07x10 ⁻²⁵
<i>COL17A1</i>	-4.78464	5.345824	2.62x10 ⁻²⁶	3.29x10 ⁻²⁵
<i>PKHDIL1</i>	3.109038	2.523058	2.63x10 ⁻²⁶	3.30x10 ⁻²⁵
<i>MUC6</i>	-8.32821	7.073864	3.58x10 ⁻²⁶	4.47x10 ⁻²⁵
<i>QPCT</i>	-2.57449	4.814799	5.61x10 ⁻²⁶	6.91x10 ⁻²⁵
<i>METTL7B</i>	-2.26108	3.146645	6.48x10 ⁻²⁶	7.94x10 ⁻²⁵
<i>SSTR1</i>	2.720363	3.608697	7.05x10 ⁻²⁶	8.62x10 ⁻²⁵
<i>SLC16A14</i>	-2.88695	4.466032	8.43x10 ⁻²⁶	1.03x10 ⁻²⁴
<i>PCDH9</i>	2.383859	2.641221	8.78x10 ⁻²⁶	1.07x10 ⁻²⁴
<i>RHOV</i>	-3.48802	4.056253	9.51x10 ⁻²⁶	1.15x10 ⁻²⁴
<i>MMRN1</i>	2.232702	4.906045	1.06x10 ⁻²⁵	1.28x10 ⁻²⁴
<i>ADH1B</i>	3.042605	8.218403	2.10x10 ⁻²⁵	2.48x10 ⁻²⁴
<i>ARSH</i>	-4.64328	-2.70043	2.16x10 ⁻²⁵	2.55x10 ⁻²⁴
<i>CYS1</i>	2.068159	3.593358	2.46x10 ⁻²⁵	2.90x10 ⁻²⁴
<i>CRTAC1</i>	2.665233	6.66832	2.94x10 ⁻²⁵	3.44x10 ⁻²⁴
<i>ZBED2</i>	2.338239	3.844096	3.02x10 ⁻²⁵	3.54x10 ⁻²⁴
<i>APOBEC3B</i>	-2.50925	2.948393	3.27x10 ⁻²⁵	3.82x10 ⁻²⁴
<i>GCLC</i>	-2.5269	6.366035	3.43x10 ⁻²⁵	3.99x10 ⁻²⁴
<i>ANKRD29</i>	2.334924	4.886	3.86x10 ⁻²⁵	4.47x10 ⁻²⁴

<i>TCN1</i>	-6.54539	3.710265	4.04x10 ⁻²⁵	4.68x10 ⁻²⁴
<i>RCN3</i>	-2.05994	4.978609	4.72x10 ⁻²⁵	5.44x10 ⁻²⁴
<i>HGD</i>	-3.96355	3.313563	4.77x10 ⁻²⁵	5.49x10 ⁻²⁴
<i>CAPN3</i>	2.02237	3.585608	5.37x10 ⁻²⁵	6.14x10 ⁻²⁴
<i>PHLDA2</i>	-2.42374	4.254794	7.71x10 ⁻²⁵	8.70x10 ⁻²⁴
<i>CPB2</i>	4.146909	4.608762	8.24x10 ⁻²⁵	9.28x10 ⁻²⁴
<i>HOXB7</i>	-2.05544	2.758396	9.92x10 ⁻²⁵	1.11x10 ⁻²³
<i>UGT8</i>	-2.45965	2.636493	1.05x10 ⁻²⁴	1.17x10 ⁻²³
<i>NGEF</i>	-3.36296	2.739382	1.08x10 ⁻²⁴	1.21x10 ⁻²³
<i>SLC14A1</i>	2.968825	2.985224	1.24x10 ⁻²⁴	1.38x10 ⁻²³
<i>HBA2</i>	3.380104	8.57358	1.69x10 ⁻²⁴	1.86x10 ⁻²³
<i>GPER</i>	2.280383	3.20745	1.89x10 ⁻²⁴	2.07x10 ⁻²³
<i>IL4I1</i>	-2.23513	3.824132	2.56x10 ⁻²⁴	2.79x10 ⁻²³
<i>FGF</i>	-9.47581	7.443708	3.14x10 ⁻²⁴	3.38x10 ⁻²³
<i>PCOLCE2</i>	2.436465	4.453611	3.22x10 ⁻²⁴	3.47x10 ⁻²³
<i>ANXA10</i>	-9.81215	3.287955	3.35x10 ⁻²⁴	3.60x10 ⁻²³
<i>KIAA1199</i>	-2.63041	5.849028	4.20x10 ⁻²⁴	4.47x10 ⁻²³
<i>ALDH3B2</i>	-2.41362	2.816955	4.44x10 ⁻²⁴	4.72x10 ⁻²³
<i>SLC7A11</i>	-3.07927	4.825499	5.32x10 ⁻²⁴	5.62x10 ⁻²³
<i>CDCA7</i>	-2.48273	3.512947	5.43x10 ⁻²⁴	5.74x10 ⁻²³
<i>NDRG4</i>	2.203508	4.456721	5.84x10 ⁻²⁴	6.17x10 ⁻²³
<i>HSD17B6</i>	2.385949	6.135584	6.18x10 ⁻²⁴	6.52x10 ⁻²³
<i>CXCL14</i>	-3.50309	5.739744	7.75x10 ⁻²⁴	8.09x10 ⁻²³
<i>SCN1A</i>	2.538662	2.68444	8.79x10 ⁻²⁴	9.11x10 ⁻²³
<i>GALNT6</i>	-2.12041	5.693329	9.49x10 ⁻²⁴	9.83x10 ⁻²³
<i>MYBPC1</i>	-8.61998	3.188838	1.00x10 ⁻²³	1.04x10 ⁻²²
<i>LEPREL1</i>	2.090173	6.17196	1.03x10 ⁻²³	1.06x10 ⁻²²
<i>DERL3</i>	-2.29113	4.704924	1.31x10 ⁻²³	1.34x10 ⁻²²
<i>FNDC4</i>	-2.02895	3.08877	1.34x10 ⁻²³	1.38x10 ⁻²²

<i>MUC21</i>	-4.14845	6.275854	1.51x10 ⁻²³	1.54x10 ⁻²²
<i>HBB</i>	3.432372	9.079305	1.74x10 ⁻²³	1.77x10 ⁻²²
<i>LOXL2</i>	-2.03557	5.519293	2.28x10 ⁻²³	2.30x10 ⁻²²
<i>TOX3</i>	-2.76472	3.957626	3.13x10 ⁻²³	3.14x10 ⁻²²
<i>AKR1B10</i>	-7.15397	5.196689	3.79x10 ⁻²³	3.78x10 ⁻²²
<i>CEACAM5</i>	-4.32011	8.601202	4.01x10 ⁻²³	3.99x10 ⁻²²
<i>SFTPC</i>	4.423204	13.78501	4.02x10 ⁻²³	4.00x10 ⁻²²
<i>ELOVL6</i>	-2.07498	3.798399	4.41x10 ⁻²³	4.37x10 ⁻²²
<i>FABP7</i>	-9.10144	3.983563	5.15x10 ⁻²³	5.09x10 ⁻²²
<i>SERPINE2</i>	-3.24553	6.127658	5.71x10 ⁻²³	5.62x10 ⁻²²
<i>C8B</i>	3.778268	3.081883	6.48x10 ⁻²³	6.36x10 ⁻²²
<i>PLA2G1B</i>	3.234892	3.412906	6.63x10 ⁻²³	6.50x10 ⁻²²
<i>EGF</i>	-2.78785	2.736755	6.66x10 ⁻²³	6.52x10 ⁻²²
<i>AQP4</i>	2.885259	8.661691	8.13x10 ⁻²³	7.92x10 ⁻²²
<i>PKIB</i>	-2.85719	3.895033	8.59x10 ⁻²³	8.36x10 ⁻²²
<i>KIF1A</i>	-5.85183	4.355541	8.64x10 ⁻²³	8.41x10 ⁻²²
<i>ATP1A2</i>	2.470661	2.683574	1.88x10 ⁻²²	1.78x10 ⁻²¹
<i>AFF3</i>	2.369799	4.447504	1.93x10 ⁻²²	1.83x10 ⁻²¹
<i>SLC17A9</i>	-2.07284	3.353188	2.02x10 ⁻²²	1.92x10 ⁻²¹
<i>NTRK2</i>	2.740909	4.055496	2.03x10 ⁻²²	1.93x10 ⁻²¹
<i>RBP4</i>	2.607396	4.09182	2.58x10 ⁻²²	2.42x10 ⁻²¹
<i>HSPB6</i>	2.082944	5.379424	2.68x10 ⁻²²	2.50x10 ⁻²¹
<i>CPXMI</i>	-2.5346	3.506531	3.00x10 ⁻²²	2.80x10 ⁻²¹
<i>ITLN1</i>	5.937616	5.251381	3.21x10 ⁻²²	2.98x10 ⁻²¹
<i>BDNF</i>	2.541508	2.761511	3.37x10 ⁻²²	3.12x10 ⁻²¹
<i>HHIP</i>	2.849578	5.094448	3.95x10 ⁻²²	3.65x10 ⁻²¹
<i>UCHL1</i>	-3.2691	5.116495	4.54x10 ⁻²²	4.18x10 ⁻²¹
<i>C6orf105</i>	2.100958	3.501033	4.84x10 ⁻²²	4.44x10 ⁻²¹
<i>TMEM59L</i>	-3.84968	3.225987	6.54x10 ⁻²²	5.93x10 ⁻²¹

<i>TM4SF4</i>	-5.35873	3.873793	8.88x10 ⁻²²	7.97x10 ⁻²¹
<i>REEP6</i>	-2.11002	3.634343	9.59x10 ⁻²²	8.59x10 ⁻²¹
<i>CST1</i>	-5.88443	3.700665	1.24x10 ⁻²¹	1.10x10 ⁻²⁰
<i>LY6K</i>	-3.33802	2.952217	1.57x10 ⁻²¹	1.39x10 ⁻²⁰
<i>IGSF10</i>	2.524937	5.00745	1.94x10 ⁻²¹	1.70x10 ⁻²⁰
<i>CRLF1</i>	-3.76973	5.702878	2.04x10 ⁻²¹	1.78x10 ⁻²⁰
<i>COL1A2</i>	-2.09462	10.76784	2.46x10 ⁻²¹	2.14x10 ⁻²⁰
<i>SEMA3A</i>	-2.72561	4.353348	2.62x10 ⁻²¹	2.27x10 ⁻²⁰
<i>AGR2</i>	-2.47558	8.351463	2.70x10 ⁻²¹	2.34x10 ⁻²⁰
<i>SLC2A5</i>	-2.80098	2.587861	3.47x10 ⁻²¹	2.97x10 ⁻²⁰
<i>IGFBP3</i>	-2.17849	7.85845	4.02x10 ⁻²¹	3.43x10 ⁻²⁰
<i>SERPINB5</i>	-4.72025	3.318395	4.45x10 ⁻²¹	3.77x10 ⁻²⁰
<i>LRRC15</i>	-2.95445	4.782877	4.82x10 ⁻²¹	4.08x10 ⁻²⁰
<i>ABCA3</i>	2.150956	9.39504	5.05x10 ⁻²¹	4.26x10 ⁻²⁰
<i>CSF3</i>	4.857813	5.239267	6.12x10 ⁻²¹	5.14x10 ⁻²⁰
<i>SUSD2</i>	2.388022	8.827694	6.40x10 ⁻²¹	5.36x10 ⁻²⁰
<i>TFPI2</i>	-4.06853	6.454706	6.73x10 ⁻²¹	5.62x10 ⁻²⁰
<i>CILP</i>	-2.96007	4.124913	7.87x10 ⁻²¹	6.54x10 ⁻²⁰
<i>DVWA</i>	-4.2556	-2.62158	9.37x10 ⁻²¹	7.75x10 ⁻²⁰
<i>SCN7A</i>	2.13838	5.031214	1.10x10 ⁻²⁰	9.04x10 ⁻²⁰
<i>CLDN6</i>	-5.42362	3.044198	1.18x10 ⁻²⁰	9.74x10 ⁻²⁰
<i>DNASE1L3</i>	3.11473	3.842186	1.83x10 ⁻²⁰	1.48x10 ⁻¹⁹
<i>ACOXL</i>	2.299982	2.893926	1.90x10 ⁻²⁰	1.54x10 ⁻¹⁹
<i>MUC20</i>	-2.04217	5.698914	1.96x10 ⁻²⁰	1.59x10 ⁻¹⁹
<i>NPTX2</i>	-3.91845	3.502478	2.15x10 ⁻²⁰	1.73x10 ⁻¹⁹
<i>PII6</i>	3.574093	2.841306	2.26x10 ⁻²⁰	1.82x10 ⁻¹⁹
<i>AKRIC2</i>	-4.62428	7.748622	2.61x10 ⁻²⁰	2.09x10 ⁻¹⁹
<i>VSIG4</i>	2.055739	7.385769	2.84x10 ⁻²⁰	2.26x10 ⁻¹⁹
<i>CKMT1B</i>	-2.72681	3.399383	3.01x10 ⁻²⁰	2.39x10 ⁻¹⁹

<i>CXCR2</i>	2.125401	2.770004	4.08x10 ⁻²⁰	3.21x10 ⁻¹⁹
<i>NMNAT2</i>	-2.72057	3.606454	5.04x10 ⁻²⁰	3.93x10 ⁻¹⁹
<i>TFF2</i>	-13.8351	6.329752	5.82x10 ⁻²⁰	4.52x10 ⁻¹⁹
<i>DUOXA1</i>	2.161162	4.647651	6.67x10 ⁻²⁰	5.17x10 ⁻¹⁹
<i>BHMT2</i>	-3.09911	3.171306	6.76x10 ⁻²⁰	5.23x10 ⁻¹⁹
<i>IVL</i>	-4.66572	2.708245	7.15x10 ⁻²⁰	5.52x10 ⁻¹⁹
<i>CDA</i>	-2.9602	3.785224	7.35x10 ⁻²⁰	5.66x10 ⁻¹⁹
<i>EMR1</i>	2.499037	3.124907	8.90x10 ⁻²⁰	6.82x10 ⁻¹⁹
<i>SLC6A3</i>	-4.55271	2.697833	9.94x10 ⁻²⁰	7.59x10 ⁻¹⁹
<i>FCRL5</i>	-2.74578	3.244501	9.97x10 ⁻²⁰	7.61x10 ⁻¹⁹
<i>DIO2</i>	-2.66573	3.501783	1.32x10 ⁻¹⁹	9.95x10 ⁻¹⁹
<i>SPINK4</i>	-12.4556	3.72637	1.32x10 ⁻¹⁹	9.95x10 ⁻¹⁹
<i>DARC</i>	2.247583	5.411365	1.35x10 ⁻¹⁹	1.02x10 ⁻¹⁸
<i>LIPK</i>	-5.52316	-2.88717	1.43x10 ⁻¹⁹	1.08x10 ⁻¹⁸
<i>SELE</i>	3.17465	3.707294	1.88x10 ⁻¹⁹	1.40x10 ⁻¹⁸
<i>KRT16</i>	-5.10334	2.935863	1.99x10 ⁻¹⁹	1.47x10 ⁻¹⁸
<i>AHNAK2</i>	-2.07546	6.352635	3.01x10 ⁻¹⁹	2.20x10 ⁻¹⁸
<i>LOC96610</i>	-2.68194	11.12164	3.11x10 ⁻¹⁹	2.27x10 ⁻¹⁸
<i>COMP</i>	-3.49068	5.102999	3.27x10 ⁻¹⁹	2.38x10 ⁻¹⁸
<i>LRRK2</i>	2.274463	8.034696	3.84x10 ⁻¹⁹	2.78x10 ⁻¹⁸
<i>LOC723809</i>	2.652336	2.93528	6.46x10 ⁻¹⁹	4.60x10 ⁻¹⁸
<i>PCDH7</i>	-2.10478	4.589826	7.41x10 ⁻¹⁹	5.26x10 ⁻¹⁸
<i>SI00A2</i>	-2.93309	4.127744	8.25x10 ⁻¹⁹	5.84x10 ⁻¹⁸
<i>MSMP</i>	-3.88342	3.826585	8.72x10 ⁻¹⁹	6.17x10 ⁻¹⁸
<i>F11</i>	3.283843	2.651947	1.14x10 ⁻¹⁸	7.98x10 ⁻¹⁸
<i>TNNT1</i>	-3.44455	3.512295	1.17x10 ⁻¹⁸	8.16x10 ⁻¹⁸
<i>HBA1</i>	3.546867	7.167406	1.21x10 ⁻¹⁸	8.42x10 ⁻¹⁸
<i>CXCL2</i>	2.656945	6.838542	1.47x10 ⁻¹⁸	1.02x10 ⁻¹⁷
<i>BMPER</i>	2.305085	2.798302	1.50x10 ⁻¹⁸	1.04x10 ⁻¹⁷

<i>LOC645323</i>	-4.48561	-2.76398	1.71x10 ⁻¹⁸	1.17x10 ⁻¹⁷
<i>POSTN</i>	-2.1676	7.885964	2.08x10 ⁻¹⁸	1.42x10 ⁻¹⁷
<i>SLC16A9</i>	-2.61923	3.435322	2.30x10 ⁻¹⁸	1.57x10 ⁻¹⁷
<i>NPSRI</i>	-5.50056	-2.76469	2.65x10 ⁻¹⁸	1.79x10 ⁻¹⁷
<i>GABRP</i>	-4.3691	4.219656	3.30x10 ⁻¹⁸	2.22x10 ⁻¹⁷
<i>FOSB</i>	3.255076	9.123579	3.50x10 ⁻¹⁸	2.34x10 ⁻¹⁷
<i>MTNRI1A</i>	-3.84109	-2.73193	4.21x10 ⁻¹⁸	2.80x10 ⁻¹⁷
<i>AGT</i>	-2.66235	3.875499	7.11x10 ⁻¹⁸	4.64x10 ⁻¹⁷
<i>PEBP4</i>	2.891779	5.923145	8.72x10 ⁻¹⁸	5.65x10 ⁻¹⁷
<i>CALCA</i>	-6.29861	4.252594	1.14x10 ⁻¹⁷	7.34x10 ⁻¹⁷
<i>CCL14</i>	2.138081	5.209514	1.17x10 ⁻¹⁷	7.50x10 ⁻¹⁷
<i>SFTPA1</i>	2.89069	12.94447	1.78x10 ⁻¹⁷	1.13x10 ⁻¹⁶
<i>KCNE4</i>	-2.39675	4.029175	1.89x10 ⁻¹⁷	1.19x10 ⁻¹⁶
<i>SLC46A2</i>	2.258655	4.444582	2.58x10 ⁻¹⁷	1.61x10 ⁻¹⁶
<i>UNC93A</i>	-5.42947	-2.70918	3.01x10 ⁻¹⁷	1.87x10 ⁻¹⁶
<i>POF1B</i>	-2.35297	3.621164	3.89x10 ⁻¹⁷	2.39x10 ⁻¹⁶
<i>KLB</i>	2.458173	2.777213	4.20x10 ⁻¹⁷	2.58x10 ⁻¹⁶
<i>MLLT11</i>	-2.27229	3.235876	4.21x10 ⁻¹⁷	2.58x10 ⁻¹⁶
<i>MTMR7</i>	-3.23022	3.963509	5.22x10 ⁻¹⁷	3.18x10 ⁻¹⁶
<i>CHGB</i>	-3.96077	2.720361	5.73x10 ⁻¹⁷	3.47x10 ⁻¹⁶
<i>MAGEA3</i>	-8.12922	2.544954	6.79x10 ⁻¹⁷	4.09x10 ⁻¹⁶
<i>SFTPD</i>	2.45247	9.225582	9.71x10 ⁻¹⁷	5.75x10 ⁻¹⁶
<i>GPR110</i>	-2.54432	5.292756	1.06x10 ⁻¹⁶	6.26x10 ⁻¹⁶
<i>MUC5B</i>	-4.32809	9.484624	1.52x10 ⁻¹⁶	8.85x10 ⁻¹⁶
<i>KCNK3</i>	2.105479	4.957303	1.82x10 ⁻¹⁶	1.06x10 ⁻¹⁵
<i>PCSK1N</i>	-2.51313	2.924506	2.06x10 ⁻¹⁶	1.19x10 ⁻¹⁵
<i>EPB42</i>	3.945226	-2.66414	2.23x10 ⁻¹⁶	1.28x10 ⁻¹⁵
<i>MMP9</i>	-2.38961	6.18846	2.33x10 ⁻¹⁶	1.34x10 ⁻¹⁵
<i>EFNA2</i>	-5.12134	-2.93473	2.44x10 ⁻¹⁶	1.40x10 ⁻¹⁵

<i>KLK12</i>	-5.973	3.640891	2.53x10 ⁻¹⁶	1.45x10 ⁻¹⁵
<i>MAGEA6</i>	-7.75338	2.928184	3.17x10 ⁻¹⁶	1.80x10 ⁻¹⁵
<i>KRT6A</i>	-4.71748	4.98037	3.84x10 ⁻¹⁶	2.16x10 ⁻¹⁵
<i>ACTL8</i>	-5.48295	-2.60236	4.37x10 ⁻¹⁶	2.45x10 ⁻¹⁵
<i>KIAA0408</i>	2.873598	4.349209	4.88x10 ⁻¹⁶	2.73x10 ⁻¹⁵
<i>SYT13</i>	-3.90104	3.144807	5.09x10 ⁻¹⁶	2.84x10 ⁻¹⁵
<i>TPPP3</i>	2.134711	7.058715	5.13x10 ⁻¹⁶	2.86x10 ⁻¹⁵
<i>KRT15</i>	-2.4332	4.915202	5.81x10 ⁻¹⁶	3.22x10 ⁻¹⁵
<i>SFTPA2</i>	2.743477	13.91528	6.53x10 ⁻¹⁶	3.59x10 ⁻¹⁵
<i>ENPP3</i>	-2.79271	2.838002	6.63x10 ⁻¹⁶	3.65x10 ⁻¹⁵
<i>F5</i>	-2.62646	3.931091	8.84x10 ⁻¹⁶	4.80x10 ⁻¹⁵
<i>ACRV1</i>	-3.61744	-3.02206	9.30x10 ⁻¹⁶	5.04x10 ⁻¹⁵
<i>PLAC2</i>	2.078602	2.938388	9.42x10 ⁻¹⁶	5.10x10 ⁻¹⁵
<i>RET</i>	-2.88783	2.617731	1.17x10 ⁻¹⁵	6.29x10 ⁻¹⁵
<i>NPTX1</i>	-2.99902	3.554855	1.17x10 ⁻¹⁵	6.31x10 ⁻¹⁵
<i>CYP4B1</i>	2.671511	8.439387	1.32x10 ⁻¹⁵	7.07x10 ⁻¹⁵
<i>H19</i>	-3.7689	8.748388	1.64x10 ⁻¹⁵	8.69x10 ⁻¹⁵
<i>AKRIC1</i>	-3.20739	7.824957	1.84x10 ⁻¹⁵	9.75x10 ⁻¹⁵
<i>SOSTDC1</i>	3.222453	4.371298	2.00x10 ⁻¹⁵	1.06x10 ⁻¹⁴
<i>IL6</i>	2.546031	5.206587	2.27x10 ⁻¹⁵	1.19x10 ⁻¹⁴
<i>ANXA8L2</i>	2.457604	4.427918	2.29x10 ⁻¹⁵	1.20x10 ⁻¹⁴
<i>NKX1-2</i>	-4.88464	-3.02504	3.28x10 ⁻¹⁵	1.70x10 ⁻¹⁴
<i>VGLL2</i>	-9.80826	2.850396	3.53x10 ⁻¹⁵	1.82x10 ⁻¹⁴
<i>MGC29506</i>	-2.24045	4.975631	4.50x10 ⁻¹⁵	2.30x10 ⁻¹⁴
<i>NXPH1</i>	-4.22225	-2.62374	5.12x10 ⁻¹⁵	2.60x10 ⁻¹⁴
<i>ESPN</i>	-2.15076	2.828581	6.11x10 ⁻¹⁵	3.08x10 ⁻¹⁴
<i>C2orf40</i>	2.41446	3.037655	6.22x10 ⁻¹⁵	3.14x10 ⁻¹⁴
<i>ASCL1</i>	-5.35388	4.567434	6.30x10 ⁻¹⁵	3.18x10 ⁻¹⁴
<i>ZBTB16</i>	2.400773	3.752431	7.50x10 ⁻¹⁵	3.76x10 ⁻¹⁴

<i>PRG4</i>	2.725761	5.392557	8.39x10 ⁻¹⁵	4.19x10 ⁻¹⁴
<i>PAX7</i>	-7.33032	3.431329	1.10x10 ⁻¹⁴	5.44x10 ⁻¹⁴
<i>FER1L6</i>	-5.3088	2.810238	1.12x10 ⁻¹⁴	5.55x10 ⁻¹⁴
<i>WNK2</i>	-2.21647	2.975385	1.15x10 ⁻¹⁴	5.65x10 ⁻¹⁴
<i>TNFRSF6B</i>	-2.40486	3.485817	1.32x10 ⁻¹⁴	6.48x10 ⁻¹⁴
<i>RNASE10</i>	-3.76924	-2.70106	1.39x10 ⁻¹⁴	6.79x10 ⁻¹⁴
<i>KRT6B</i>	-4.25424	2.563671	1.48x10 ⁻¹⁴	7.23x10 ⁻¹⁴
<i>CA3</i>	2.116953	2.94804	1.56x10 ⁻¹⁴	7.60x10 ⁻¹⁴
<i>MTIM</i>	2.485889	3.803715	1.57x10 ⁻¹⁴	7.62x10 ⁻¹⁴
<i>KRT17</i>	-2.71174	6.259353	1.88x10 ⁻¹⁴	9.07x10 ⁻¹⁴
<i>ADAM6</i>	-2.21146	12.18012	1.94x10 ⁻¹⁴	9.37x10 ⁻¹⁴
<i>BCAS1</i>	-2.85506	4.747956	2.39x10 ⁻¹⁴	1.14x10 ⁻¹³
<i>CDH2</i>	-2.50676	2.632566	3.10x10 ⁻¹⁴	1.47x10 ⁻¹³
<i>LCN2</i>	-2.47999	6.697981	3.48x10 ⁻¹⁴	1.64x10 ⁻¹³
<i>CACNA2D2</i>	2.291589	7.583587	3.95x10 ⁻¹⁴	1.85x10 ⁻¹³
<i>VTCN1</i>	-2.99722	2.880016	4.12x10 ⁻¹⁴	1.93x10 ⁻¹³
<i>FSTL4</i>	-2.50603	3.224558	4.54x10 ⁻¹⁴	2.11x10 ⁻¹³
<i>TF</i>	-3.53298	3.361313	5.63x10 ⁻¹⁴	2.60x10 ⁻¹³
<i>SLC4A11</i>	-2.1211	2.917705	6.31x10 ⁻¹⁴	2.89x10 ⁻¹³
<i>TMPRSS6</i>	-2.82298	3.140688	6.52x10 ⁻¹⁴	2.99x10 ⁻¹³
<i>C3orf30</i>	-3.73811	-2.78826	7.41x10 ⁻¹⁴	3.38x10 ⁻¹³
<i>POU2AF1</i>	-2.12845	4.447465	8.31x10 ⁻¹⁴	3.78x10 ⁻¹³
<i>LOC284798</i>	-3.06869	-2.69784	9.29x10 ⁻¹⁴	4.20x10 ⁻¹³
<i>MAGEA4</i>	-8.55671	2.570619	1.02x10 ⁻¹³	4.60x10 ⁻¹³
<i>SIX1</i>	-2.11673	3.829164	1.21x10 ⁻¹³	5.40x10 ⁻¹³
<i>FGA</i>	-4.20616	8.117412	1.42x10 ⁻¹³	6.33x10 ⁻¹³
<i>SYTI</i>	-2.43782	3.243821	1.62x10 ⁻¹³	7.16x10 ⁻¹³
<i>ADAMDEC1</i>	-2.71027	3.194334	1.72x10 ⁻¹³	7.61x10 ⁻¹³
<i>CBRI</i>	-2.00144	7.374028	1.82x10 ⁻¹³	8.03x10 ⁻¹³

<i>FPR2</i>	2.183262	3.953209	1.99x10 ⁻¹³	8.74x10 ⁻¹³
<i>ACHE</i>	-2.01692	3.038469	2.19x10 ⁻¹³	9.62x10 ⁻¹³
<i>NEFH</i>	-2.83313	2.659895	2.29x10 ⁻¹³	1.00x10 ⁻¹²
<i>MMP7</i>	-2.22586	6.275193	2.79x10 ⁻¹³	1.21x10 ⁻¹²
<i>SLCIA7</i>	-2.77259	3.777109	2.90x10 ⁻¹³	1.25x10 ⁻¹²
<i>TSPAN8</i>	-2.60888	6.316883	3.31x10 ⁻¹³	1.43x10 ⁻¹²
<i>HIST1H1B</i>	-3.07997	-2.90462	3.36x10 ⁻¹³	1.44x10 ⁻¹²
<i>MS4A15</i>	2.756929	5.662822	3.42x10 ⁻¹³	1.47x10 ⁻¹²
<i>MUC4</i>	-2.20329	6.452722	3.91x10 ⁻¹³	1.67x10 ⁻¹²
<i>EYA2</i>	-2.36802	3.739202	4.98x10 ⁻¹³	2.11x10 ⁻¹²
<i>ERN2</i>	-3.27169	3.81664	5.16x10 ⁻¹³	2.18x10 ⁻¹²
<i>AVPR1B</i>	-3.40704	-3.21512	5.22x10 ⁻¹³	2.21x10 ⁻¹²
<i>CLDN18</i>	3.0288	9.363938	6.02x10 ⁻¹³	2.53x10 ⁻¹²
<i>ST6GALNAC1</i>	-2.02582	5.521251	7.55x10 ⁻¹³	3.14x10 ⁻¹²
<i>SOHLH1</i>	-5.14149	-2.70592	1.47x10 ⁻¹²	5.99x10 ⁻¹²
<i>VSIG1</i>	-3.39367	5.031752	2.08x10 ⁻¹²	8.36x10 ⁻¹²
<i>LECT1</i>	-5.81253	4.031348	2.11x10 ⁻¹²	8.47x10 ⁻¹²
<i>FOXL2</i>	-4.1289	-2.51121	2.28x10 ⁻¹²	9.12x10 ⁻¹²
<i>C3orf72</i>	-4.22208	-3.06166	2.40x10 ⁻¹²	9.60x10 ⁻¹²
<i>UGT1A6</i>	-3.55584	3.697141	3.11x10 ⁻¹²	1.23x10 ⁻¹¹
<i>CXCL3</i>	2.07874	3.687326	7.04x10 ⁻¹²	2.71x10 ⁻¹¹
<i>DKK1</i>	-2.64581	3.629539	1.10x10 ⁻¹¹	4.13x10 ⁻¹¹
<i>LOC100132354</i>	-2.98094	-3.09509	1.32x10 ⁻¹¹	4.95x10 ⁻¹¹
<i>SMEK3P</i>	-5.68125	-2.73647	1.48x10 ⁻¹¹	5.50x10 ⁻¹¹
<i>FRG2B</i>	-4.93938	-3.0259	1.71x10 ⁻¹¹	6.36x10 ⁻¹¹
<i>F2</i>	-4.93169	-2.6112	1.83x10 ⁻¹¹	6.78x10 ⁻¹¹
<i>FOXE3</i>	-3.48755	-2.71814	2.14x10 ⁻¹¹	7.89x10 ⁻¹¹
<i>GABRA5</i>	-4.62365	-2.75036	2.16x10 ⁻¹¹	7.96x10 ⁻¹¹
<i>LOC153910</i>	-3.81657	-3.05233	2.18x10 ⁻¹¹	8.03x10 ⁻¹¹

<i>PKP1</i>	-2.2644	4.602236	2.37x10 ⁻¹¹	8.70x10 ⁻¹¹
<i>PLUNC</i>	-4.5575	7.41481	2.41x10 ⁻¹¹	8.84x10 ⁻¹¹
<i>C17orf93</i>	-4.94973	-2.60461	3.49x10 ⁻¹¹	1.27x10 ⁻¹⁰
<i>CA7</i>	-3.35828	-2.93653	4.32x10 ⁻¹¹	1.56x10 ⁻¹⁰
<i>NKX6-1</i>	-2.83326	-2.76782	4.55x10 ⁻¹¹	1.63x10 ⁻¹⁰
<i>C4orf26</i>	-3.367	-2.73635	4.59x10 ⁻¹¹	1.65x10 ⁻¹⁰
<i>CRYBA2</i>	-3.60293	-3.31467	4.65x10 ⁻¹¹	1.67x10 ⁻¹⁰
<i>DLX2</i>	-3.9946	-2.54487	4.66x10 ⁻¹¹	1.67x10 ⁻¹⁰
<i>DPCR1</i>	-3.51849	6.511975	5.60x10 ⁻¹¹	1.99x10 ⁻¹⁰
<i>ONECUT3</i>	-5.72572	-2.87314	5.78x10 ⁻¹¹	2.05x10 ⁻¹⁰
<i>CNTNAP4</i>	-4.0932	-2.58088	6.88x10 ⁻¹¹	2.43x10 ⁻¹⁰
<i>CYP4F11</i>	-3.08603	2.86593	6.89x10 ⁻¹¹	2.43x10 ⁻¹⁰
<i>KRT23</i>	-3.19416	2.755638	7.23x10 ⁻¹¹	2.54x10 ⁻¹⁰
<i>TGIF2LX</i>	-4.70303	-3.28819	1.03x10 ⁻¹⁰	3.60x10 ⁻¹⁰
<i>MAGEA11</i>	-4.75473	-3.21551	1.33x10 ⁻¹⁰	4.59x10 ⁻¹⁰
<i>FOXR2</i>	-5.80692	-2.74744	1.57x10 ⁻¹⁰	5.38x10 ⁻¹⁰
<i>NKX2-5</i>	-4.27373	-2.59442	1.63x10 ⁻¹⁰	5.58x10 ⁻¹⁰
<i>ZNF280A</i>	-4.19032	-2.99772	2.08x10 ⁻¹⁰	7.05x10 ⁻¹⁰
<i>EIF4E1B</i>	-5.29602	-2.55981	2.21x10 ⁻¹⁰	7.48x10 ⁻¹⁰
<i>C14orf162</i>	-3.51282	-2.75171	2.58x10 ⁻¹⁰	8.66x10 ⁻¹⁰
<i>WIF1</i>	2.384607	6.681616	2.87x10 ⁻¹⁰	9.60x10 ⁻¹⁰
<i>OR56A3</i>	-5.01667	-2.95673	3.22x10 ⁻¹⁰	1.07x10 ⁻⁹
<i>ZNF679</i>	-5.10402	-3.1298	3.37x10 ⁻¹⁰	1.12x10 ⁻⁹
<i>LGALS4</i>	-3.09817	4.016309	3.50x10 ⁻¹⁰	1.16x10 ⁻⁹
<i>NKX2-4</i>	-4.64831	-3.37127	3.57x10 ⁻¹⁰	1.18x10 ⁻⁹
<i>LOC285696</i>	-2.46631	-2.78239	3.69x10 ⁻¹⁰	1.22x10 ⁻⁹
<i>ADAMTS20</i>	-4.1153	-2.89211	3.72x10 ⁻¹⁰	1.23x10 ⁻⁹
<i>SCG2</i>	-2.4162	3.118716	4.83x10 ⁻¹⁰	1.58x10 ⁻⁹
<i>PHOX2B</i>	-4.96869	-3.10574	5.19x10 ⁻¹⁰	1.69x10 ⁻⁹

<i>EDN2</i>	-2.46298	2.604285	5.20x10 ⁻¹⁰	1.70x10 ⁻⁹
<i>WDR72</i>	-2.50228	2.869341	5.36x10 ⁻¹⁰	1.75x10 ⁻⁹
<i>DUOX2</i>	-2.75545	4.963473	5.78x10 ⁻¹⁰	1.88x10 ⁻⁹
<i>MUC16</i>	-2.88255	4.996767	7.45x10 ⁻¹⁰	2.40x10 ⁻⁹
<i>SSX4</i>	-4.25464	-3.35442	9.11x10 ⁻¹⁰	2.92x10 ⁻⁹
<i>MAGEB1</i>	-4.56536	-3.31165	1.01x10 ⁻⁹	3.23x10 ⁻⁹
<i>HOXC12</i>	-4.78521	-3.12035	1.11x10 ⁻⁹	3.51x10 ⁻⁹
<i>PRDM9</i>	-4.48988	-3.38007	1.15x10 ⁻⁹	3.62x10 ⁻⁹
<i>EREG</i>	-2.54274	4.394341	1.38x10 ⁻⁹	4.33x10 ⁻⁹
<i>FAM169B</i>	-4.29031	-2.8705	1.39x10 ⁻⁹	4.38x10 ⁻⁹
<i>KCNU1</i>	-4.3332	-3.15012	1.46x10 ⁻⁹	4.57x10 ⁻⁹
<i>CCDC17</i>	2.220291	3.033616	1.95x10 ⁻⁹	6.04x10 ⁻⁹
<i>SCGB1A1</i>	2.983981	9.627928	1.96x10 ⁻⁹	6.08x10 ⁻⁹
<i>DDX53</i>	-4.83808	-2.90301	2.28x10 ⁻⁹	7.01x10 ⁻⁹
<i>IL1RL1</i>	2.341061	4.780418	2.75x10 ⁻⁹	8.41x10 ⁻⁹
<i>TFF3</i>	-2.02678	5.458719	3.07x10 ⁻⁹	9.33x10 ⁻⁹
<i>IGFL3</i>	-4.02291	-3.22428	3.13x10 ⁻⁹	9.50x10 ⁻⁹
<i>ALOX15</i>	2.447457	4.287162	3.15x10 ⁻⁹	9.55x10 ⁻⁹
<i>NR5A1</i>	-2.63884	-2.97107	3.67x10 ⁻⁹	1.11x10 ⁻⁸
<i>FZD10</i>	-2.16846	2.544836	3.83x10 ⁻⁹	1.16x10 ⁻⁸
<i>TSPY2</i>	-5.69509	-2.65374	3.85x10 ⁻⁹	1.16x10 ⁻⁸
<i>PLA2G2A</i>	2.375018	3.422367	4.65x10 ⁻⁹	1.39x10 ⁻⁸
<i>C10orf71</i>	-3.57707	-2.50103	4.88x10 ⁻⁹	1.45x10 ⁻⁸
<i>BAGE</i>	-4.46595	-3.14818	5.07x10 ⁻⁹	1.51x10 ⁻⁸
<i>FRG2</i>	-4.39758	-3.4865	9.48x10 ⁻⁹	2.76x10 ⁻⁸
<i>LOC441177</i>	-3.78912	-2.66427	9.80x10 ⁻⁹	2.85x10 ⁻⁸
<i>C7orf52</i>	-2.87774	-2.90156	1.03x10 ⁻⁸	2.97x10 ⁻⁸
<i>GIP</i>	-4.33585	-3.31031	1.21x10 ⁻⁸	3.48x10 ⁻⁸
<i>CNDP1</i>	-2.77868	-2.83837	1.35x10 ⁻⁸	3.86x10 ⁻⁸

<i>AGTR2</i>	2.346076	4.682896	1.54x10 ⁻⁸	4.40x10 ⁻⁸
<i>CGB8</i>	-4.25672	-3.1442	1.86x10 ⁻⁸	5.28x10 ⁻⁸
<i>TRIM72</i>	-2.85852	-2.96663	2.04x10 ⁻⁸	5.75x10 ⁻⁸
<i>MUC7</i>	-4.70714	-3.30145	2.12x10 ⁻⁸	5.98x10 ⁻⁸
<i>GAGE8</i>	-4.43385	-3.34108	2.13x10 ⁻⁸	5.99x10 ⁻⁸
<i>TSPY1</i>	-4.47439	-3.44712	2.38x10 ⁻⁸	6.68x10 ⁻⁸
<i>RAET1L</i>	-3.08365	-2.85944	2.47x10 ⁻⁸	6.92x10 ⁻⁸
<i>C14orf23</i>	-4.1184	-3.56119	2.64x10 ⁻⁸	7.38x10 ⁻⁸
<i>ATOH7</i>	-2.09901	-2.79827	2.71x10 ⁻⁸	7.57x10 ⁻⁸
<i>RFPL4B</i>	-3.19213	-3.2644	2.71x10 ⁻⁸	7.58x10 ⁻⁸
<i>MRGPRX3</i>	-3.6739	-2.71813	2.77x10 ⁻⁸	7.74x10 ⁻⁸
<i>MAGEC3</i>	-3.02789	-2.92401	2.88x10 ⁻⁸	8.02x10 ⁻⁸
<i>VCX</i>	-3.48432	-2.96863	3.01x10 ⁻⁸	8.35x10 ⁻⁸
<i>APOA4</i>	-4.5523	-2.6771	4.01x10 ⁻⁸	1.10x10 ⁻⁷
<i>SOX3</i>	-3.54363	-3.11257	4.08x10 ⁻⁸	1.12x10 ⁻⁷
<i>KCNC2</i>	-3.73993	-2.90993	4.38x10 ⁻⁸	1.20x10 ⁻⁷
<i>CLDN2</i>	-2.22978	4.347403	5.27x10 ⁻⁸	1.43x10 ⁻⁷
<i>SNTN</i>	2.206235	4.206678	6.32x10 ⁻⁸	1.69x10 ⁻⁷
<i>SAAI</i>	-2.03641	3.448041	6.37x10 ⁻⁸	1.71x10 ⁻⁷
<i>GUCY2E</i>	-3.5004	-3.48055	1.10x10 ⁻⁷	2.89x10 ⁻⁷
<i>FAM92B</i>	2.052142	2.776099	1.30x10 ⁻⁷	3.40x10 ⁻⁷
<i>SAGE1</i>	-3.83536	-2.50197	1.34x10 ⁻⁷	3.49x10 ⁻⁷
<i>PNLIPRP3</i>	-3.28429	-2.99507	1.37x10 ⁻⁷	3.58x10 ⁻⁷
<i>CAMKV</i>	-2.44727	-2.95868	1.62x10 ⁻⁷	4.19x10 ⁻⁷
<i>II-Mar</i>	-4.46901	-2.6713	1.76x10 ⁻⁷	4.53x10 ⁻⁷
<i>SLC38A8</i>	-3.07889	-3.04363	1.84x10 ⁻⁷	4.72x10 ⁻⁷
<i>CPLX2</i>	-3.37933	3.325683	1.93x10 ⁻⁷	4.94x10 ⁻⁷
<i>C11orf88</i>	2.266068	3.032305	2.24x10 ⁻⁷	5.70x10 ⁻⁷
<i>GABRQ</i>	-2.7649	-3.29671	2.41x10 ⁻⁷	6.13x10 ⁻⁷

<i>RTL1</i>	-3.15234	-3.2462	2.80x10 ⁻⁷	7.05x10 ⁻⁷
<i>PABPC1L2A</i>	-3.63979	-3.52933	2.81x10 ⁻⁷	7.08x10 ⁻⁷
<i>LOC283404</i>	-2.11164	-2.62784	2.94x10 ⁻⁷	7.38x10 ⁻⁷
<i>PCSK2</i>	-2.93914	5.506044	3.66x10 ⁻⁷	9.11x10 ⁻⁷
<i>GKN2</i>	2.178714	5.130381	4.01x10 ⁻⁷	9.93x10 ⁻⁷
<i>RFX6</i>	-3.14157	-2.55818	4.55x10 ⁻⁷	1.12x10 ⁻⁶
<i>SCGB1D2</i>	-4.05066	-2.57885	5.01x10 ⁻⁷	1.23x10 ⁻⁶
<i>LRFN2</i>	-2.09023	-2.50613	6.73x10 ⁻⁷	1.63x10 ⁻⁶
<i>GDPD2</i>	-2.16059	-3.0598	8.48x10 ⁻⁷	2.03x10 ⁻⁶
<i>NTS</i>	-2.88066	3.470425	9.06x10 ⁻⁷	2.16x10 ⁻⁶
<i>LIN28A</i>	-3.78646	-2.94582	1.20x10 ⁻⁶	2.83x10 ⁻⁶
<i>UPK1B</i>	-3.35716	3.151581	1.24x10 ⁻⁶	2.92x10 ⁻⁶
<i>ALDH3A1</i>	-2.227	6.086463	1.86x10 ⁻⁶	4.31x10 ⁻⁶
<i>LOC116437</i>	-2.93199	-3.23073	2.55x10 ⁻⁶	5.82x10 ⁻⁶
<i>GLYATL1</i>	-2.05099	-2.65658	3.78x10 ⁻⁶	8.47x10 ⁻⁶
<i>GKNI</i>	-3.44651	-3.12948	4.12x10 ⁻⁶	9.22x10 ⁻⁶
<i>TMEM190</i>	2.237447	2.926926	5.70x10 ⁻⁶	1.25x10 ⁻⁵
<i>UBE2U</i>	-2.94304	-3.4203	5.76x10 ⁻⁶	1.27x10 ⁻⁵
<i>KC6</i>	-2.45654	-2.51515	7.02x10 ⁻⁶	1.53x10 ⁻⁵
<i>TEX19</i>	-2.21901	-2.70716	8.97x10 ⁻⁶	1.94x10 ⁻⁵
<i>C1orf194</i>	2.003703	2.786501	1.12x10 ⁻⁵	2.39x10 ⁻⁵
<i>NOTO</i>	-2.30984	-3.01377	1.48x10 ⁻⁵	3.13x10 ⁻⁵
<i>GAGE2A</i>	-3.86778	-2.86907	1.50x10 ⁻⁵	3.16x10 ⁻⁵
<i>GOLGA8C</i>	-2.15592	-2.79064	1.52x10 ⁻⁵	3.20x10 ⁻⁵
<i>KLK9</i>	-3.31208	-3.28929	1.76x10 ⁻⁵	3.68x10 ⁻⁵
<i>NDST4</i>	-2.82371	-3.12208	1.81x10 ⁻⁵	3.78x10 ⁻⁵
<i>CLEC3A</i>	-2.93245	-3.24534	2.43x10 ⁻⁵	5.00x10 ⁻⁵
<i>LOC100130386</i>	-2.229	-2.99049	4.70x10 ⁻⁵	9.36x10 ⁻⁵
<i>MDGA2</i>	-2.05826	-2.84194	5.75x10 ⁻⁵	1.13x10 ⁻⁴

<i>RBMY1A1</i>	-3.47385	-3.20023	7.26x10 ⁻⁵	1.41x10 ⁻⁴
<i>GATSL2</i>	-2.22213	-2.74544	9.19x10 ⁻⁵	1.76x10 ⁻⁴
<i>SMR3B</i>	-2.90781	-3.33852	1.80x10 ⁻⁴	3.34x10 ⁻⁴
<i>SERPINB3</i>	-2.18885	3.403289	2.41x10 ⁻⁴	4.41x10 ⁻⁴
<i>CLCA1</i>	-2.7263	-2.67091	2.57x10 ⁻⁴	4.68x10 ⁻⁴
<i>KCNH5</i>	-2.15406	-2.61267	3.48x10 ⁻⁴	6.26x10 ⁻⁴
<i>ST8SIA3</i>	2.047743	-2.85298	4.65x10 ⁻⁴	8.23x10 ⁻⁴
<i>KLK5</i>	-2.29931	3.358024	4.69x10 ⁻⁴	8.31x10 ⁻⁴
<i>UGT1A1</i>	-2.16751	-2.84093	6.17x10 ⁻⁴	1.08x10 ⁻³

logFC, log₂ fold-change; logCPM, log₂ counts-per-million; FDR, false discovery rate.

Table SII. Lung squamous cell carcinoma-specific differential gene expression analysis.

Gene	logFC	logCPM	P-value	FDR
<i>C15orf42</i>	-4.60275	3.284947	1.03x10 ⁻¹²⁴	1.79x10 ⁻¹²⁰
<i>KIF23</i>	-3.94036	4.555619	2.55x10 ⁻¹²⁴	2.21x10 ⁻¹²⁰
<i>PRC1</i>	-3.75778	5.609334	4.64x10 ⁻¹²⁴	2.46x10 ⁻¹²⁰
<i>SLC2A1</i>	-5.65474	9.02631	5.68x10 ⁻¹²⁴	2.46x10 ⁻¹²⁰
<i>CDCA5</i>	-4.14869	4.813192	1.10x10 ⁻¹¹⁸	3.80x10 ⁻¹¹⁵
<i>MCM2</i>	-3.54866	6.593756	4.92x10 ⁻¹¹²	1.42x10 ⁻¹⁰⁸
<i>MCM4</i>	-3.12027	6.340532	1.12x10 ⁻¹¹¹	2.78x10 ⁻¹⁰⁸
<i>NCAPH</i>	-4.32414	4.218568	3.32x10 ⁻¹¹¹	7.18x10 ⁻¹⁰⁸
<i>C17orf53</i>	-3.76639	2.752899	7.42x10 ⁻¹¹¹	1.43x10 ⁻¹⁰⁷
<i>E2F7</i>	-4.82279	3.295729	1.85x10 ⁻¹¹⁰	3.20x10 ⁻¹⁰⁷
<i>TFAP2A</i>	-5.67091	4.819092	5.21x10 ⁻¹⁰⁷	7.52x10 ⁻¹⁰⁴
<i>ARHGAP11A</i>	-3.26072	4.4321	2.59x10 ⁻¹⁰⁵	3.45x10 ⁻¹⁰²
<i>ECT2</i>	-3.3942	6.096616	4.26x10 ⁻¹⁰⁵	5.27x10 ⁻¹⁰²
<i>FAM83B</i>	-6.87862	4.012544	2.49x10 ⁻¹⁰⁴	2.88x10 ⁻¹⁰¹
<i>CCNBI</i>	-3.64705	5.224799	1.26x10 ⁻¹⁰³	1.36x10 ⁻¹⁰⁰
<i>KIAA1524</i>	-3.27665	3.66761	2.46x10 ⁻¹⁰³	2.51x10 ⁻¹⁰⁰
<i>RACGAP1</i>	-2.47393	5.339181	5.77x10 ⁻¹⁰³	5.55x10 ⁻¹⁰⁰
<i>KIF11</i>	-3.83186	4.943246	7.82x10 ⁻¹⁰³	7.13x10 ⁻¹⁰⁰
<i>FANCI</i>	-3.18772	5.468008	5.95x10 ⁻¹⁰²	5.15x10 ⁻⁹⁹
<i>EXO1</i>	-4.74179	3.251419	9.17x10 ⁻¹⁰²	7.57x10 ⁻⁹⁹
<i>TPX2</i>	-4.89305	6.268985	2.32x10 ⁻¹⁰¹	1.83x10 ⁻⁹⁸
<i>CDCA4</i>	-2.59327	4.717324	5.22x10 ⁻¹⁰¹	3.93x10 ⁻⁹⁸
<i>RAD54L</i>	-4.6558	3.261019	1.29x10 ⁻¹⁰⁰	9.28x10 ⁻⁹⁸
<i>GINS1</i>	-4.13041	4.107722	1.88x10 ⁻⁹⁹	1.30x10 ⁻⁹⁶
<i>CBLC</i>	-4.07363	4.040162	3.62x10 ⁻⁹⁹	2.41x10 ⁻⁹⁶
<i>WDHD1</i>	-2.80398	3.967423	1.13x10 ⁻⁹⁸	7.23x10 ⁻⁹⁶

<i>CENPF</i>	-4.48162	5.998163	2.30x10 ⁻⁹⁸	1.38x10 ⁻⁹⁵
<i>CHEK1</i>	-3.058	3.591322	2.86x10 ⁻⁹⁸	1.65x10 ⁻⁹⁵
<i>CDC6</i>	-4.29675	4.582723	3.63x10 ⁻⁹⁸	2.03x10 ⁻⁹⁵
<i>PLK1</i>	-4.28176	4.8041	1.42x10 ⁻⁹⁷	7.67x10 ⁻⁹⁵
<i>UBE2C</i>	-4.86288	4.935504	1.54x10 ⁻⁹⁷	8.10x10 ⁻⁹⁵
<i>CDK1</i>	-3.43735	5.158636	4.49x10 ⁻⁹⁷	2.29x10 ⁻⁹⁴
<i>NEK2</i>	-4.74742	3.765172	8.46x10 ⁻⁹⁷	4.18x10 ⁻⁹⁴
<i>PVRL1</i>	-4.56572	8.14562	2.26x10 ⁻⁹⁶	1.09x10 ⁻⁹³
<i>RFC4</i>	-3.37744	4.935055	5.43x10 ⁻⁹⁶	2.54x10 ⁻⁹³
<i>C9orf140</i>	-4.60533	4.231757	5.96x10 ⁻⁹⁶	2.72x10 ⁻⁹³
<i>TTK</i>	-5.00657	3.887363	1.20x10 ⁻⁹⁴	5.33x10 ⁻⁹²
<i>AURKA</i>	-3.37531	4.345553	1.72x10 ⁻⁹⁴	7.44x10 ⁻⁹²
<i>FERMT1</i>	-4.67446	5.796954	1.93x10 ⁻⁹⁴	8.17x10 ⁻⁹²
<i>SKA1</i>	-4.41317	2.989894	2.96x10 ⁻⁹⁴	1.22x10 ⁻⁹¹
<i>SPAG5</i>	-3.77988	4.980014	3.50x10 ⁻⁹⁴	1.41x10 ⁻⁹¹
<i>CCNB2</i>	-4.40621	4.653534	2.94x10 ⁻⁹³	1.16x10 ⁻⁹⁰
<i>UBE2T</i>	-3.7991	3.78844	8.75x10 ⁻⁹³	3.37x10 ⁻⁹⁰
<i>RAD51</i>	-3.72392	3.201518	1.02x10 ⁻⁹²	3.83x10 ⁻⁹⁰
<i>TROAP</i>	-4.82987	3.782184	5.95x10 ⁻⁹²	2.10x10 ⁻⁸⁹
<i>POLQ</i>	-4.78819	3.234372	6.09x10 ⁻⁹²	2.11x10 ⁻⁸⁹
<i>TIMELESS</i>	-2.47546	5.601544	9.95x10 ⁻⁹²	3.38x10 ⁻⁸⁹
<i>FOXMI</i>	-4.76956	6.02642	1.20x10 ⁻⁹¹	3.99x10 ⁻⁸⁹
<i>CDC20</i>	-4.71667	5.237449	7.99x10 ⁻⁹¹	2.61x10 ⁻⁸⁸
<i>KIF2C</i>	-4.60497	4.620996	1.32x10 ⁻⁹⁰	4.22x10 ⁻⁸⁸
<i>PERP</i>	-3.60804	9.748464	1.65x10 ⁻⁹⁰	5.18x10 ⁻⁸⁸
<i>KIF4A</i>	-4.683	4.312099	1.74x10 ⁻⁹⁰	5.38x10 ⁻⁸⁸
<i>CENPA</i>	-4.91588	2.88005	2.78x10 ⁻⁹⁰	8.46x10 ⁻⁸⁸
<i>EFNA3</i>	-3.83619	3.192915	4.73x10 ⁻⁸⁹	1.39x10 ⁻⁸⁶
<i>ZWILCH</i>	-2.02639	4.322197	4.94x10 ⁻⁸⁹	1.43x10 ⁻⁸⁶

<i>CKAP2L</i>	-4.44089	3.326784	6.55×10^{-89}	1.86×10^{-86}
<i>RECQL4</i>	-3.78741	4.040691	7.12×10^{-89}	1.99×10^{-86}
<i>SLC6A8</i>	-4.1548	7.103439	8.14×10^{-89}	2.24×10^{-86}
<i>PLK4</i>	-2.88513	3.111121	9.88×10^{-89}	2.67×10^{-86}
<i>LDB2</i>	3.109837	5.531568	1.79×10^{-88}	4.76×10^{-86}
<i>KIFC1</i>	-3.64567	4.715194	2.68×10^{-88}	7.03×10^{-86}
<i>MAD2L1</i>	-3.582	4.311594	4.16×10^{-88}	1.08×10^{-85}
<i>PSATI</i>	-4.80546	5.586701	1.78×10^{-87}	4.54×10^{-85}
<i>CCNF</i>	-2.87544	4.216489	2.67×10^{-87}	6.70×10^{-85}
<i>ESPL1</i>	-4.04147	3.948758	3.04×10^{-87}	7.52×10^{-85}
<i>HJURP</i>	-4.75296	3.940219	3.26×10^{-87}	7.95×10^{-85}
<i>KIF18B</i>	-5.00411	3.92039	4.60×10^{-87}	1.11×10^{-84}
<i>KPNA2</i>	-2.55637	6.826015	1.06×10^{-86}	2.52×10^{-84}
<i>ZWINT</i>	-3.25327	4.712101	2.01×10^{-86}	4.71×10^{-84}
<i>BIRC5</i>	-4.89327	4.39281	3.12×10^{-86}	7.21×10^{-84}
<i>ESAM</i>	2.846381	6.740833	3.39×10^{-86}	7.72×10^{-84}
<i>KIF14</i>	-4.8279	3.34601	4.38×10^{-86}	9.84×10^{-84}
<i>NUF2</i>	-4.70421	3.619074	8.48×10^{-86}	1.88×10^{-83}
<i>TK1</i>	-3.47656	5.842862	1.02×10^{-85}	2.23×10^{-83}
<i>FEN1</i>	-2.45587	5.276814	1.71×10^{-85}	3.69×10^{-83}
<i>NCAPG2</i>	-2.4201	4.823036	2.26×10^{-85}	4.82×10^{-83}
<i>LYPD3</i>	-6.22888	6.70015	2.28×10^{-85}	4.82×10^{-83}
<i>CCNA2</i>	-3.97414	4.592415	4.55×10^{-85}	9.49×10^{-83}
<i>MCM8</i>	-2.52201	4.074113	5.39×10^{-85}	1.11×10^{-82}
<i>CEP55</i>	-4.16985	4.549364	6.44×10^{-85}	1.31×10^{-82}
<i>ORC6L</i>	-4.03959	3.018829	8.68×10^{-85}	1.75×10^{-82}
<i>CDCA3</i>	-4.36745	3.506191	1.11×10^{-84}	2.21×10^{-82}
<i>AURKB</i>	-4.62739	3.812612	2.55×10^{-84}	5.01×10^{-82}
<i>MCM7</i>	-2.09883	7.085472	4.50×10^{-84}	8.76×10^{-82}

<i>STIL</i>	-3.3681	3.573105	4.77x10 ⁻⁸⁴	9.18x10 ⁻⁸²
<i>IQGAP3</i>	-4.0787	4.422777	7.88x10 ⁻⁸⁴	1.50x10 ⁻⁸¹
<i>DSP</i>	-4.2349	9.606718	9.91x10 ⁻⁸⁴	1.87x10 ⁻⁸¹
<i>BLM</i>	-3.08416	3.246158	1.64x10 ⁻⁸³	3.05x10 ⁻⁸¹
<i>CENPE</i>	-3.68481	3.717836	2.79x10 ⁻⁸³	5.14x10 ⁻⁸¹
<i>MYO19</i>	-2.00864	5.355888	2.96x10 ⁻⁸³	5.40x10 ⁻⁸¹
<i>TMEM132A</i>	-3.19439	6.127167	3.91x10 ⁻⁸³	7.05x10 ⁻⁸¹
<i>SRD5A1</i>	-2.75592	4.422158	4.95x10 ⁻⁸³	8.83x10 ⁻⁸¹
<i>HMGA1</i>	-2.80737	7.559378	5.65x10 ⁻⁸³	9.98x10 ⁻⁸¹
<i>CHAF1B</i>	-2.7179	3.539039	7.62x10 ⁻⁸³	1.33x10 ⁻⁸⁰
<i>ANLN</i>	-4.63561	5.633302	1.52x10 ⁻⁸²	2.63x10 ⁻⁸⁰
<i>RNASEH2A</i>	-2.21224	4.595759	1.37x10 ⁻⁸¹	2.35x10 ⁻⁷⁹
<i>CDC45</i>	-4.99757	3.896009	1.67x10 ⁻⁸¹	2.84x10 ⁻⁷⁹
<i>ASPM</i>	-4.5746	4.573554	2.05x10 ⁻⁸¹	3.44x10 ⁻⁷⁹
<i>EZH2</i>	-3.18619	4.097243	2.13x10 ⁻⁸¹	3.55x10 ⁻⁷⁹
<i>IGSF9</i>	-5.05318	5.493488	2.62x10 ⁻⁸¹	4.33x10 ⁻⁷⁹
<i>GJB3</i>	-5.41113	4.883794	4.23x10 ⁻⁸¹	6.91x10 ⁻⁷⁹
<i>UCK2</i>	-2.80492	4.466353	4.56x10 ⁻⁸¹	7.38x10 ⁻⁷⁹
<i>EPR1</i>	-4.39847	4.48708	7.77x10 ⁻⁸¹	1.25x10 ⁻⁷⁸
<i>NUSAP1</i>	-3.6213	5.178751	2.25x10 ⁻⁸⁰	3.57x10 ⁻⁷⁸
<i>MYCT1</i>	2.93907	4.452095	4.59x10 ⁻⁸⁰	7.22x10 ⁻⁷⁸
<i>FAM72B</i>	-3.33444	2.832145	7.06x10 ⁻⁸⁰	1.10x10 ⁻⁷⁷
<i>TRIP13</i>	-3.99725	4.747456	1.44x10 ⁻⁷⁹	2.23x10 ⁻⁷⁷
<i>ECE2</i>	-3.38905	4.151688	1.92x10 ⁻⁷⁹	2.95x10 ⁻⁷⁷
<i>BUB1</i>	-3.68069	4.557703	1.96x10 ⁻⁷⁹	2.98x10 ⁻⁷⁷
<i>CD302</i>	2.703107	6.666212	2.01x10 ⁻⁷⁹	3.03x10 ⁻⁷⁷
<i>MCM10</i>	-4.58518	3.362658	2.73x10 ⁻⁷⁹	4.08x10 ⁻⁷⁷
<i>CENPH</i>	-2.57361	3.298844	2.82x10 ⁻⁷⁹	4.17x10 ⁻⁷⁷
<i>UHRF1</i>	-4.19827	3.968804	3.37x10 ⁻⁷⁹	4.94x10 ⁻⁷⁷

<i>HELLS</i>	-3.7093	2.997328	3.90x10 ⁻⁷⁹	5.67x10 ⁻⁷⁷
<i>CKS1B</i>	-2.48171	5.382395	4.81x10 ⁻⁷⁹	6.94x10 ⁻⁷⁷
<i>MELK</i>	-4.86065	4.152735	2.17x10 ⁻⁷⁸	3.11x10 ⁻⁷⁶
<i>ASF1B</i>	-3.38012	4.445777	2.39x10 ⁻⁷⁸	3.40x10 ⁻⁷⁶
<i>MYBL2</i>	-4.82349	5.705319	2.76x10 ⁻⁷⁸	3.89x10 ⁻⁷⁶
<i>NCAPD2</i>	-2.32704	7.024874	3.26x10 ⁻⁷⁸	4.56x10 ⁻⁷⁶
<i>TOP2A</i>	-4.69102	7.022908	6.25x10 ⁻⁷⁸	8.67x10 ⁻⁷⁶
<i>ATAD2</i>	-2.45408	5.555292	7.60x10 ⁻⁷⁸	1.05x10 ⁻⁷⁵
<i>SKA3</i>	-4.16541	2.715004	9.14x10 ⁻⁷⁸	1.25x10 ⁻⁷⁵
<i>FKBP4</i>	-2.12581	7.222873	1.61x10 ⁻⁷⁷	2.18x10 ⁻⁷⁵
<i>IGF2BP3</i>	-5.09464	4.72067	1.93x10 ⁻⁷⁷	2.59x10 ⁻⁷⁵
<i>BRIP1</i>	-3.84604	2.520153	3.40x10 ⁻⁷⁷	4.53x10 ⁻⁷⁵
<i>TLL12</i>	-2.23778	6.474908	5.38x10 ⁻⁷⁷	7.11x10 ⁻⁷⁵
<i>TRIM29</i>	-4.95173	8.25671	6.00x10 ⁻⁷⁷	7.87x10 ⁻⁷⁵
<i>GTSE1</i>	-4.0796	3.523157	7.52x10 ⁻⁷⁷	9.80x10 ⁻⁷⁵
<i>ACVRL1</i>	2.887734	6.847666	9.46x10 ⁻⁷⁷	1.22x10 ⁻⁷⁴
<i>TNS4</i>	-5.58453	6.111207	2.02x10 ⁻⁷⁶	2.59x10 ⁻⁷⁴
<i>DEPDC1</i>	-4.60841	3.405783	2.19x10 ⁻⁷⁶	2.79x10 ⁻⁷⁴
<i>BUB1B</i>	-4.64372	4.321263	2.47x10 ⁻⁷⁶	3.12x10 ⁻⁷⁴
<i>RAD54B</i>	-2.79393	2.582883	2.90x10 ⁻⁷⁶	3.64x10 ⁻⁷⁴
<i>ORC1L</i>	-3.93054	3.066076	3.98x10 ⁻⁷⁶	4.96x10 ⁻⁷⁴
<i>GINS4</i>	-3.42934	3.3628	9.15x10 ⁻⁷⁶	1.13x10 ⁻⁷³
<i>UBE2S</i>	-2.82253	4.708741	1.18x10 ⁻⁷⁵	1.45x10 ⁻⁷³
<i>PTTG1</i>	-3.18219	4.544228	1.42x10 ⁻⁷⁵	1.72x10 ⁻⁷³
<i>NDC80</i>	-4.1641	3.586083	1.50x10 ⁻⁷⁵	1.81x10 ⁻⁷³
<i>DEPDC1B</i>	-4.33088	2.78026	2.51x10 ⁻⁷⁵	3.00x10 ⁻⁷³
<i>WDR62</i>	-3.33849	3.520834	4.03x10 ⁻⁷⁵	4.78x10 ⁻⁷³
<i>RAMP2</i>	2.998932	5.702213	6.77x10 ⁻⁷⁵	7.98x10 ⁻⁷³
<i>GAPDH</i>	-2.5004	11.67972	1.52x10 ⁻⁷⁴	1.78x10 ⁻⁷²

<i>CDC48</i>	-4.50806	4.847811	2.90x10 ⁻⁷⁴	3.37x10 ⁻⁷²
<i>WWC2</i>	2.627394	6.382383	3.11x10 ⁻⁷⁴	3.60x10 ⁻⁷²
<i>CLEC14A</i>	2.89057	6.100151	3.82x10 ⁻⁷⁴	4.38x10 ⁻⁷²
<i>ROBO4</i>	3.315096	6.4594	5.15x10 ⁻⁷⁴	5.87x10 ⁻⁷²
<i>KNTC1</i>	-2.57743	4.506463	6.89x10 ⁻⁷⁴	7.80x10 ⁻⁷²
<i>CCNE1</i>	-4.61553	3.496116	1.17x10 ⁻⁷³	1.32x10 ⁻⁷¹
<i>RPL39L</i>	-3.70475	4.31441	1.55x10 ⁻⁷³	1.74x10 ⁻⁷¹
<i>C16orf75</i>	-3.31829	3.932677	1.86x10 ⁻⁷³	2.07x10 ⁻⁷¹
<i>GINS2</i>	-3.68752	3.652429	4.94x10 ⁻⁷³	5.38x10 ⁻⁷¹
<i>NUP155</i>	-2.2167	5.385921	5.96x10 ⁻⁷³	6.46x10 ⁻⁷¹
<i>CENPW</i>	-2.93556	3.605114	7.46x10 ⁻⁷³	8.02x10 ⁻⁷¹
<i>RAD51API</i>	-3.42597	3.67624	7.97x10 ⁻⁷³	8.52x10 ⁻⁷¹
<i>NXPH4</i>	-6.25076	3.942049	1.29x10 ⁻⁷²	1.37x10 ⁻⁷⁰
<i>SPC25</i>	-4.0436	2.535675	8.20x10 ⁻⁷²	8.61x10 ⁻⁷⁰
<i>PKMYT1</i>	-4.32593	3.809187	9.16x10 ⁻⁷²	9.56x10 ⁻⁷⁰
<i>C1orf112</i>	-2.42159	3.303597	1.07x10 ⁻⁷¹	1.11x10 ⁻⁶⁹
<i>FAM64A</i>	-4.27649	2.707331	1.42x10 ⁻⁷¹	1.47x10 ⁻⁶⁹
<i>MARK1</i>	-2.84718	4.431086	1.46x10 ⁻⁷¹	1.50x10 ⁻⁶⁹
<i>B4GALNT4</i>	-6.43318	3.737432	1.54x10 ⁻⁷¹	1.56x10 ⁻⁶⁹
<i>CDH5</i>	3.124016	7.43789	3.24x10 ⁻⁷¹	3.28x10 ⁻⁶⁹
<i>DUSP9</i>	-7.28373	2.806757	3.53x10 ⁻⁷¹	3.56x10 ⁻⁶⁹
<i>ARTN</i>	-4.97589	2.648982	3.77x10 ⁻⁷¹	3.78x10 ⁻⁶⁹
<i>CDT1</i>	-3.80048	4.057167	7.41x10 ⁻⁷¹	7.37x10 ⁻⁶⁹
<i>DLGAP5</i>	-4.72085	4.132129	2.49x10 ⁻⁷⁰	2.46x10 ⁻⁶⁸
<i>CDC42</i>	-4.33492	2.946562	3.63x10 ⁻⁷⁰	3.57x10 ⁻⁶⁸
<i>LMNB2</i>	-2.18678	6.789558	3.75x10 ⁻⁷⁰	3.67x10 ⁻⁶⁸
<i>SKP2</i>	-2.92639	4.228946	5.56x10 ⁻⁷⁰	5.41x10 ⁻⁶⁸
<i>ARHGEF15</i>	3.143403	5.028507	8.51x10 ⁻⁷⁰	8.24x10 ⁻⁶⁸
<i>GRHL3</i>	-6.99682	3.891488	3.70x10 ⁻⁶⁹	3.48x10 ⁻⁶⁷

<i>MKI67</i>	-3.94432	6.521831	4.25x10 ⁻⁶⁹	3.98x10 ⁻⁶⁷
<i>RRM2</i>	-3.98842	5.794487	5.77x10 ⁻⁶⁹	5.35x10 ⁻⁶⁷
<i>CHEK2</i>	-2.41694	3.957464	5.84x10 ⁻⁶⁹	5.38x10 ⁻⁶⁷
<i>HSD17B6</i>	3.969838	5.52999	8.40x10 ⁻⁶⁹	7.70x10 ⁻⁶⁷
<i>RCCI</i>	-2.17719	5.149501	1.44x10 ⁻⁶⁸	1.31x10 ⁻⁶⁶
<i>NCAPG</i>	-3.84909	4.139745	2.93x10 ⁻⁶⁸	2.65x10 ⁻⁶⁶
<i>PPP2R2C</i>	-6.92416	4.577727	3.34x10 ⁻⁶⁸	3.00x10 ⁻⁶⁶
<i>NFKBIL2</i>	-2.93697	4.034768	4.17x10 ⁻⁶⁸	3.72x10 ⁻⁶⁶
<i>FAM83F</i>	-5.36304	3.398205	5.34x10 ⁻⁶⁸	4.72x10 ⁻⁶⁶
<i>ARNTL2</i>	-3.85264	4.340107	6.54x10 ⁻⁶⁸	5.75x10 ⁻⁶⁶
<i>CENPO</i>	-2.09131	3.076686	7.27x10 ⁻⁶⁸	6.36x10 ⁻⁶⁶
<i>PTPRB</i>	3.236191	7.016246	9.20x10 ⁻⁶⁸	8.01x10 ⁻⁶⁶
<i>ATAD5</i>	-2.84579	2.738581	1.29x10 ⁻⁶⁷	1.11x10 ⁻⁶⁵
<i>CELSR2</i>	-3.01402	6.057768	1.41x10 ⁻⁶⁷	1.21x10 ⁻⁶⁵
<i>PAICS</i>	-2.26196	6.769506	1.64x10 ⁻⁶⁷	1.40x10 ⁻⁶⁵
<i>FBXO45</i>	-2.48571	5.58984	1.90x10 ⁻⁶⁷	1.62x10 ⁻⁶⁵
<i>MLF1IP</i>	-3.29228	4.306424	4.15x10 ⁻⁶⁷	3.51x10 ⁻⁶⁵
<i>SIPRI</i>	3.305818	6.646158	5.22x10 ⁻⁶⁷	4.39x10 ⁻⁶⁵
<i>AK3L1</i>	-3.64106	3.685886	7.21x10 ⁻⁶⁷	6.03x10 ⁻⁶⁵
<i>GPDIL</i>	2.190214	6.064725	8.39x10 ⁻⁶⁷	6.99x10 ⁻⁶⁵
<i>TEK</i>	3.633255	5.800597	1.02x10 ⁻⁶⁶	8.41x10 ⁻⁶⁵
<i>LASS3</i>	-8.4727	3.932892	1.39x10 ⁻⁶⁶	1.14x10 ⁻⁶⁴
<i>TNSI</i>	2.803693	9.262732	1.76x10 ⁻⁶⁶	1.43x10 ⁻⁶⁴
<i>DSCC1</i>	-2.67501	2.927873	4.34x10 ⁻⁶⁶	3.51x10 ⁻⁶⁴
<i>GMPS</i>	-2.16441	6.483141	4.45x10 ⁻⁶⁶	3.59x10 ⁻⁶⁴
<i>C12orf48</i>	-3.26977	3.062993	6.20x10 ⁻⁶⁶	4.97x10 ⁻⁶⁴
<i>PECAMI</i>	2.676959	7.430096	7.19x10 ⁻⁶⁶	5.71x10 ⁻⁶⁴
<i>DSG2</i>	-2.41823	7.90413	7.48x10 ⁻⁶⁶	5.92x10 ⁻⁶⁴
<i>PKP1</i>	-6.40364	8.9871	8.55x10 ⁻⁶⁶	6.73x10 ⁻⁶⁴

<i>CASC5</i>	-3.6921	3.18649	1.69x10 ⁻⁶⁵	1.32x10 ⁻⁶³
<i>IRF6</i>	-2.95376	6.507666	1.99x10 ⁻⁶⁵	1.55x10 ⁻⁶³
<i>KIF18A</i>	-2.54606	3.09778	2.01x10 ⁻⁶⁵	1.56x10 ⁻⁶³
<i>KIAA0101</i>	-3.67127	3.811176	2.45x10 ⁻⁶⁵	1.89x10 ⁻⁶³
<i>KANK3</i>	3.430905	4.227997	3.65x10 ⁻⁶⁵	2.80x10 ⁻⁶³
<i>CCDC34</i>	-2.53238	3.636207	3.83x10 ⁻⁶⁵	2.92x10 ⁻⁶³
<i>SPTBN2</i>	-3.07603	5.378788	4.26x10 ⁻⁶⁵	3.22x10 ⁻⁶³
<i>SH2D3C</i>	2.696774	5.688417	4.34x10 ⁻⁶⁵	3.27x10 ⁻⁶³
<i>C19orf48</i>	-2.1441	5.550747	5.04x10 ⁻⁶⁵	3.78x10 ⁻⁶³
<i>SI00A2</i>	-6.88729	8.384424	6.43x10 ⁻⁶⁵	4.80x10 ⁻⁶³
<i>AK1</i>	2.292524	6.314949	8.81x10 ⁻⁶⁵	6.55x10 ⁻⁶³
<i>PRAME</i>	-8.57658	5.122258	1.03x10 ⁻⁶⁴	7.63x10 ⁻⁶³
<i>NUDT1</i>	-2.09221	4.011458	1.17x10 ⁻⁶⁴	8.60x10 ⁻⁶³
<i>KIF15</i>	-3.88874	2.993379	1.23x10 ⁻⁶⁴	8.99x10 ⁻⁶³
<i>BRCA1</i>	-2.27448	4.159558	1.67x10 ⁻⁶⁴	1.22x10 ⁻⁶²
<i>KLC3</i>	-3.33397	3.38323	1.69x10 ⁻⁶⁴	1.23x10 ⁻⁶²
<i>FGF11</i>	-4.61028	3.885547	2.03x10 ⁻⁶⁴	1.47x10 ⁻⁶²
<i>CTSL2</i>	-4.86183	4.694693	2.60x10 ⁻⁶⁴	1.87x10 ⁻⁶²
<i>PPAT</i>	-2.27724	4.03524	5.26x10 ⁻⁶⁴	3.75x10 ⁻⁶²
<i>ACTL6A</i>	-2.36394	6.472722	6.09x10 ⁻⁶⁴	4.31x10 ⁻⁶²
<i>DPYSL2</i>	2.432087	8.105671	7.19x10 ⁻⁶⁴	5.06x10 ⁻⁶²
<i>ARRB1</i>	2.744121	5.680505	1.53x10 ⁻⁶³	1.07x10 ⁻⁶¹
<i>ITGB4</i>	-3.08831	8.474058	1.68x10 ⁻⁶³	1.16x10 ⁻⁶¹
<i>CENPL</i>	-2.09478	3.087678	1.87x10 ⁻⁶³	1.29x10 ⁻⁶¹
<i>SERPINB5</i>	-7.32552	6.882133	1.92x10 ⁻⁶³	1.32x10 ⁻⁶¹
<i>KRT17</i>	-6.99907	10.78276	2.01x10 ⁻⁶³	1.38x10 ⁻⁶¹
<i>C9orf100</i>	-3.06107	2.799227	2.53x10 ⁻⁶³	1.72x10 ⁻⁶¹
<i>GPR116</i>	3.450959	8.186602	2.60x10 ⁻⁶³	1.76x10 ⁻⁶¹
<i>C21orf45</i>	-2.00234	3.46893	3.35x10 ⁻⁶³	2.26x10 ⁻⁶¹

<i>COL7A1</i>	-5.88437	6.570033	4.14x10 ⁻⁶³	2.77x10 ⁻⁶¹
<i>LMO7</i>	2.569673	8.418831	4.96x10 ⁻⁶³	3.31x10 ⁻⁶¹
<i>GNG11</i>	2.950962	6.046489	5.87x10 ⁻⁶³	3.89x10 ⁻⁶¹
<i>KRT5</i>	-7.61666	11.61179	7.47x10 ⁻⁶³	4.92x10 ⁻⁶¹
<i>MMP11</i>	-6.04895	6.875084	1.08x10 ⁻⁶²	7.10x10 ⁻⁶¹
<i>IL20RB</i>	-5.8415	4.403332	1.14x10 ⁻⁶²	7.42x10 ⁻⁶¹
<i>PBK</i>	-4.38269	3.409076	1.30x10 ⁻⁶²	8.44x10 ⁻⁶¹
<i>CHAF1A</i>	-2.23629	4.628633	2.29x10 ⁻⁶²	1.48x10 ⁻⁶⁰
<i>CDKN3</i>	-3.7682	3.023087	2.66x10 ⁻⁶²	1.72x10 ⁻⁶⁰
<i>TACC3</i>	-2.04982	5.397757	3.18x10 ⁻⁶²	2.04x10 ⁻⁶⁰
<i>GJB5</i>	-5.93392	4.223375	9.08x10 ⁻⁶²	5.76x10 ⁻⁶⁰
<i>EMP2</i>	2.544973	9.746809	9.11x10 ⁻⁶²	5.76x10 ⁻⁶⁰
<i>SFXN1</i>	-2.07287	5.290347	9.40x10 ⁻⁶²	5.92x10 ⁻⁶⁰
<i>PRR11</i>	-3.47274	2.817503	2.64x10 ⁻⁶¹	1.64x10 ⁻⁵⁹
<i>MEX3A</i>	-4.2861	4.065079	7.07x10 ⁻⁶¹	4.32x10 ⁻⁵⁹
<i>CAT</i>	2.097815	7.576703	7.78x10 ⁻⁶¹	4.74x10 ⁻⁵⁹
<i>ECSCR</i>	2.856301	3.353628	9.22x10 ⁻⁶¹	5.60x10 ⁻⁵⁹
<i>SLC39A8</i>	3.394731	8.390256	1.04x10 ⁻⁶⁰	6.29x10 ⁻⁵⁹
<i>JUP</i>	-2.33104	9.487833	1.18x10 ⁻⁶⁰	7.14x10 ⁻⁵⁹
<i>PAFAH1B3</i>	-2.46135	4.695469	1.34x10 ⁻⁶⁰	8.08x10 ⁻⁵⁹
<i>CDC25A</i>	-3.44299	2.754662	1.64x10 ⁻⁶⁰	9.80x10 ⁻⁵⁹
<i>GJB6</i>	-8.9158	6.100038	2.85x10 ⁻⁶⁰	1.69x10 ⁻⁵⁸
<i>RAPGEFL1</i>	-3.74319	5.463314	3.63x10 ⁻⁶⁰	2.15x10 ⁻⁵⁸
<i>KANK2</i>	2.244287	7.213633	5.58x10 ⁻⁶⁰	3.27x10 ⁻⁵⁸
<i>TENC1</i>	2.316613	7.018529	5.90x10 ⁻⁶⁰	3.45x10 ⁻⁵⁸
<i>RNASE4</i>	2.283423	5.54099	1.53x10 ⁻⁵⁹	8.87x10 ⁻⁵⁸
<i>PVRL4</i>	-3.15405	5.938416	1.70x10 ⁻⁵⁹	9.83x10 ⁻⁵⁸
<i>C3orf21</i>	-2.44812	5.191503	1.92x10 ⁻⁵⁹	1.11x10 ⁻⁵⁷
<i>TP63</i>	-5.85565	8.083056	2.27x10 ⁻⁵⁹	1.31x10 ⁻⁵⁷

<i>PITX1</i>	-6.37952	5.152062	2.77x10 ⁻⁵⁹	1.59x10 ⁻⁵⁷
<i>DLC1</i>	3.452003	7.612387	2.90x10 ⁻⁵⁹	1.66x10 ⁻⁵⁷
<i>KIF20A</i>	-3.95766	4.385922	3.25x10 ⁻⁵⁹	1.85x10 ⁻⁵⁷
<i>HOXA10</i>	-5.35107	2.663065	3.64x10 ⁻⁵⁹	2.07x10 ⁻⁵⁷
<i>ARHGAP31</i>	2.35444	6.587991	4.30x10 ⁻⁵⁹	2.44x10 ⁻⁵⁷
<i>GPR87</i>	-6.55996	4.869629	1.12x10 ⁻⁵⁸	6.31x10 ⁻⁵⁷
<i>EMCN</i>	3.52316	5.389746	1.16x10 ⁻⁵⁸	6.54x10 ⁻⁵⁷
<i>KCTD1</i>	-2.85552	5.276223	1.60x10 ⁻⁵⁸	8.98x10 ⁻⁵⁷
<i>GNG4</i>	-5.67745	3.30372	2.31x10 ⁻⁵⁸	1.29x10 ⁻⁵⁶
<i>DLX5</i>	-6.84456	3.75604	2.50x10 ⁻⁵⁸	1.39x10 ⁻⁵⁶
<i>TPBG</i>	-2.48176	5.412757	2.71x10 ⁻⁵⁸	1.51x10 ⁻⁵⁶
<i>PAR6G</i>	-2.39152	4.375565	3.97x10 ⁻⁵⁸	2.20x10 ⁻⁵⁶
<i>ABCA12</i>	-7.21343	3.850479	4.37x10 ⁻⁵⁸	2.41x10 ⁻⁵⁶
<i>KREMEN2</i>	-7.54217	3.482038	5.66x10 ⁻⁵⁸	3.10x10 ⁻⁵⁶
<i>INCENP</i>	-2.00086	4.647924	6.43x10 ⁻⁵⁸	3.51x10 ⁻⁵⁶
<i>GPR146</i>	2.622757	4.109749	8.09x10 ⁻⁵⁸	4.39x10 ⁻⁵⁶
<i>GEN1</i>	-2.00381	4.016161	8.41x10 ⁻⁵⁸	4.55x10 ⁻⁵⁶
<i>USHBP1</i>	3.34883	2.701403	9.43x10 ⁻⁵⁸	5.07x10 ⁻⁵⁶
<i>MCM6</i>	-2.07395	5.895195	9.66x10 ⁻⁵⁸	5.17x10 ⁻⁵⁶
<i>APOBEC3B</i>	-3.6923	4.139559	1.50x10 ⁻⁵⁷	7.96x10 ⁻⁵⁶
<i>SHROOM4</i>	2.466687	5.597301	1.87x10 ⁻⁵⁷	9.89x10 ⁻⁵⁶
<i>BTBD11</i>	-4.21979	3.749063	2.11x10 ⁻⁵⁷	1.12x10 ⁻⁵⁵
<i>GIMAP8</i>	2.964351	5.673192	2.78x10 ⁻⁵⁷	1.46x10 ⁻⁵⁵
<i>FANCD2</i>	-2.20722	3.899825	2.88x10 ⁻⁵⁷	1.51x10 ⁻⁵⁵
<i>PTHLH</i>	-6.79503	6.370735	4.21x10 ⁻⁵⁷	2.19x10 ⁻⁵⁵
<i>C5orf4</i>	3.030676	5.727476	4.49x10 ⁻⁵⁷	2.33x10 ⁻⁵⁵
<i>F8</i>	2.489682	5.450695	5.04x10 ⁻⁵⁷	2.61x10 ⁻⁵⁵
<i>DSC2</i>	-3.17187	7.246664	1.13x10 ⁻⁵⁶	5.76x10 ⁻⁵⁵
<i>PYCR1</i>	-2.86254	5.750414	1.16x10 ⁻⁵⁶	5.93x10 ⁻⁵⁵

<i>PCNA</i>	-2.03028	6.818893	1.63x10 ⁻⁵⁶	8.27x10 ⁻⁵⁵
<i>PKP3</i>	-2.48468	6.378844	1.78x10 ⁻⁵⁶	9.00x10 ⁻⁵⁵
<i>TRIM59</i>	-2.71949	3.780836	3.46x10 ⁻⁵⁶	1.74x10 ⁻⁵⁴
<i>FAM83D</i>	-3.61746	4.998955	3.93x10 ⁻⁵⁶	1.97x10 ⁻⁵⁴
<i>TGFBR2</i>	2.45654	8.416371	4.84x10 ⁻⁵⁶	2.42x10 ⁻⁵⁴
<i>GPT2</i>	-2.68962	4.5946	5.60x10 ⁻⁵⁶	2.79x10 ⁻⁵⁴
<i>C15orf41</i>	-2.18562	3.338065	6.29x10 ⁻⁵⁶	3.12x10 ⁻⁵⁴
<i>C1orf74</i>	-2.46577	2.625211	6.38x10 ⁻⁵⁶	3.16x10 ⁻⁵⁴
<i>DRAM1</i>	2.396852	7.373482	6.79x10 ⁻⁵⁶	3.35x10 ⁻⁵⁴
<i>GGH</i>	-2.45711	4.997983	7.40x10 ⁻⁵⁶	3.64x10 ⁻⁵⁴
<i>GPX3</i>	3.313992	9.324068	8.33x10 ⁻⁵⁶	4.08x10 ⁻⁵⁴
<i>GJB2</i>	-6.91164	7.712482	9.96x10 ⁻⁵⁶	4.86x10 ⁻⁵⁴
<i>EPN3</i>	-3.8631	3.998104	1.33x10 ⁻⁵⁵	6.48x10 ⁻⁵⁴
<i>HMGA2</i>	-6.95792	3.829086	1.51x10 ⁻⁵⁵	7.29x10 ⁻⁵⁴
<i>TMEM79</i>	-3.08138	4.297169	2.50x10 ⁻⁵⁵	1.20x10 ⁻⁵³
<i>SGOL2</i>	-2.41305	3.508486	2.64x10 ⁻⁵⁵	1.27x10 ⁻⁵³
<i>NPR1</i>	3.480726	5.56151	2.93x10 ⁻⁵⁵	1.40x10 ⁻⁵³
<i>MSL3L2</i>	-3.00997	2.740176	3.52x10 ⁻⁵⁵	1.67x10 ⁻⁵³
<i>VSNL1</i>	-3.7965	4.560099	4.28x10 ⁻⁵⁵	2.02x10 ⁻⁵³
<i>GYLTL1B</i>	-3.28492	4.958431	4.81x10 ⁻⁵⁵	2.26x10 ⁻⁵³
<i>NOSTRIN</i>	3.644849	4.127209	6.48x10 ⁻⁵⁵	3.03x10 ⁻⁵³
<i>CDK5R1</i>	-2.82752	3.336746	6.66x10 ⁻⁵⁵	3.10x10 ⁻⁵³
<i>C13orf15</i>	3.136913	7.416601	9.49x10 ⁻⁵⁵	4.41x10 ⁻⁵³
<i>HMGB3</i>	-2.42577	6.098782	1.29x10 ⁻⁵⁴	5.95x10 ⁻⁵³
<i>KRT6A</i>	-8.66585	11.35785	2.48x10 ⁻⁵⁴	1.13x10 ⁻⁵²
<i>CLEC3B</i>	4.362102	6.508674	3.35x10 ⁻⁵⁴	1.51x10 ⁻⁵²
<i>JAM2</i>	2.67041	4.113585	3.38x10 ⁻⁵⁴	1.52x10 ⁻⁵²
<i>FAM105A</i>	2.697922	5.693998	3.79x10 ⁻⁵⁴	1.70x10 ⁻⁵²
<i>MF12</i>	-4.60261	4.840362	4.12x10 ⁻⁵⁴	1.85x10 ⁻⁵²

<i>DNA2</i>	-2.76545	2.622751	4.47x10 ⁻⁵⁴	2.00x10 ⁻⁵²
<i>CKMT1B</i>	-4.29573	4.722626	4.94x10 ⁻⁵⁴	2.20x10 ⁻⁵²
<i>ALG3</i>	-2.0394	6.131926	6.36x10 ⁻⁵⁴	2.81x10 ⁻⁵²
<i>E2F2</i>	-3.03834	2.914336	7.23x10 ⁻⁵⁴	3.18x10 ⁻⁵²
<i>PLEKHG6</i>	-3.54461	4.323257	7.23x10 ⁻⁵⁴	3.18x10 ⁻⁵²
<i>HIGD1B</i>	3.609595	2.731788	7.64x10 ⁻⁵⁴	3.35x10 ⁻⁵²
<i>RPS6KA2</i>	2.42585	7.005512	1.95x10 ⁻⁵³	8.47x10 ⁻⁵²
<i>SOX15</i>	-4.68428	3.542579	2.21x10 ⁻⁵³	9.52x10 ⁻⁵²
<i>FAT2</i>	-6.51575	6.816648	2.45x10 ⁻⁵³	1.05x10 ⁻⁵¹
<i>ALDH3B2</i>	-5.0105	5.244885	2.61x10 ⁻⁵³	1.12x10 ⁻⁵¹
<i>GIMAP6</i>	2.673398	5.754386	3.43x10 ⁻⁵³	1.46x10 ⁻⁵¹
<i>HAP1</i>	-5.75819	3.483262	3.82x10 ⁻⁵³	1.63x10 ⁻⁵¹
<i>LRP2BP</i>	2.786851	2.603561	3.88x10 ⁻⁵³	1.65x10 ⁻⁵¹
<i>CCDC48</i>	3.724028	3.544974	4.94x10 ⁻⁵³	2.09x10 ⁻⁵¹
<i>WFS1</i>	2.053335	6.956076	5.28x10 ⁻⁵³	2.22x10 ⁻⁵¹
<i>KRT6B</i>	-8.602	9.138437	8.08x10 ⁻⁵³	3.37x10 ⁻⁵¹
<i>CKAP2</i>	-2.18692	5.101482	9.03x10 ⁻⁵³	3.76x10 ⁻⁵¹
<i>PTGFRN</i>	-2.69819	7.559772	1.01x10 ⁻⁵²	4.18x10 ⁻⁵¹
<i>MAGED4</i>	-2.78122	2.673368	1.42x10 ⁻⁵²	5.84x10 ⁻⁵¹
<i>SOX17</i>	3.352926	3.058004	1.48x10 ⁻⁵²	6.07x10 ⁻⁵¹
<i>CGNL1</i>	2.759918	6.404519	2.69x10 ⁻⁵²	1.10x10 ⁻⁵⁰
<i>LYVE1</i>	3.717878	5.230308	2.95x10 ⁻⁵²	1.20x10 ⁻⁵⁰
<i>TMPRSS4</i>	-5.43497	6.737454	3.20x10 ⁻⁵²	1.30x10 ⁻⁵⁰
<i>FRY</i>	2.498025	5.67269	3.45x10 ⁻⁵²	1.40x10 ⁻⁵⁰
<i>GRK5</i>	2.434445	5.858527	4.89x10 ⁻⁵²	1.98x10 ⁻⁵⁰
<i>GPRIN1</i>	-3.05351	3.227281	5.66x10 ⁻⁵²	2.28x10 ⁻⁵⁰
<i>SHE</i>	3.09186	5.100432	5.70x10 ⁻⁵²	2.29x10 ⁻⁵⁰
<i>WDR72</i>	-5.21351	4.817638	5.70x10 ⁻⁵²	2.29x10 ⁻⁵⁰
<i>DSG3</i>	-8.83359	8.161222	5.99x10 ⁻⁵²	2.40x10 ⁻⁵⁰

<i>GINS3</i>	-2.11095	3.504201	8.66x10 ⁻⁵²	3.45x10 ⁻⁵⁰
<i>EPT1</i>	-2.06907	6.008372	9.20x10 ⁻⁵²	3.65x10 ⁻⁵⁰
<i>CALML3</i>	-8.86249	7.556532	9.23x10 ⁻⁵²	3.66x10 ⁻⁵⁰
<i>STARD8</i>	2.692333	4.887728	1.18x10 ⁻⁵¹	4.67x10 ⁻⁵⁰
<i>TYMS</i>	-2.79867	4.967644	1.23x10 ⁻⁵¹	4.85x10 ⁻⁵⁰
<i>PRKCE</i>	2.266904	5.128032	1.30x10 ⁻⁵¹	5.11x10 ⁻⁵⁰
<i>EIF4EBP1</i>	-2.68394	5.791589	1.39x10 ⁻⁵¹	5.45x10 ⁻⁵⁰
<i>NPM3</i>	-2.22699	4.472269	1.54x10 ⁻⁵¹	6.02x10 ⁻⁵⁰
<i>TIE1</i>	2.511464	5.990577	2.22x10 ⁻⁵¹	8.60x10 ⁻⁵⁰
<i>LOC642587</i>	-5.77252	4.42532	3.27x10 ⁻⁵¹	1.26x10 ⁻⁴⁹
<i>ARHGEF19</i>	-2.39353	5.071006	3.52x10 ⁻⁵¹	1.35x10 ⁻⁴⁹
<i>HYAL1</i>	2.859223	5.264721	4.23x10 ⁻⁵¹	1.62x10 ⁻⁴⁹
<i>ERG</i>	2.369728	5.462931	4.79x10 ⁻⁵¹	1.83x10 ⁻⁴⁹
<i>SDPR</i>	3.880995	7.651886	5.25x10 ⁻⁵¹	2.00x10 ⁻⁴⁹
<i>FBXO32</i>	-2.64902	4.396213	5.89x10 ⁻⁵¹	2.23x10 ⁻⁴⁹
<i>GPC1</i>	-2.96798	7.798428	8.07x10 ⁻⁵¹	3.05x10 ⁻⁴⁹
<i>SC65</i>	-2.28969	4.869623	8.75x10 ⁻⁵¹	3.30x10 ⁻⁴⁹
<i>CENPM</i>	-3.02041	3.282091	9.59x10 ⁻⁵¹	3.60x10 ⁻⁴⁹
<i>CDH3</i>	-4.00306	7.51887	9.76x10 ⁻⁵¹	3.65x10 ⁻⁴⁹
<i>C6orf167</i>	-2.02706	3.938439	1.14x10 ⁻⁵⁰	4.27x10 ⁻⁴⁹
<i>ABCC5</i>	-3.26164	7.208291	1.18x10 ⁻⁵⁰	4.41x10 ⁻⁴⁹
<i>DSC3</i>	-6.60632	7.900467	1.38x10 ⁻⁵⁰	5.11x10 ⁻⁴⁹
<i>PTPN21</i>	2.375582	5.674583	2.76x10 ⁻⁵⁰	1.02x10 ⁻⁴⁸
<i>CBX2</i>	-3.38417	4.31974	3.08x10 ⁻⁵⁰	1.13x10 ⁻⁴⁸
<i>ALG1L</i>	-4.43182	3.027578	3.45x10 ⁻⁵⁰	1.26x10 ⁻⁴⁸
<i>LMNB1</i>	-2.2377	5.488204	3.68x10 ⁻⁵⁰	1.35x10 ⁻⁴⁸
<i>LIMCH1</i>	3.08728	7.843001	4.11x10 ⁻⁵⁰	1.50x10 ⁻⁴⁸
<i>FHL1</i>	3.373304	7.705052	4.90x10 ⁻⁵⁰	1.78x10 ⁻⁴⁸
<i>SORBS1</i>	2.557567	5.497898	5.33x10 ⁻⁵⁰	1.92x10 ⁻⁴⁸

<i>CD34</i>	2.386922	6.767778	1.05x10 ⁻⁴⁹	3.74x10 ⁻⁴⁸
<i>FANCA</i>	-2.29596	3.970782	1.53x10 ⁻⁴⁹	5.42x10 ⁻⁴⁸
<i>GPIHBP1</i>	4.8858	4.940448	1.58x10 ⁻⁴⁹	5.59x10 ⁻⁴⁸
<i>KRT15</i>	-6.12383	8.690884	1.71x10 ⁻⁴⁹	6.03x10 ⁻⁴⁸
<i>FANCE</i>	-2.09935	4.072573	1.99x10 ⁻⁴⁹	6.98x10 ⁻⁴⁸
<i>KRT6C</i>	-8.72984	7.991372	2.02x10 ⁻⁴⁹	7.09x10 ⁻⁴⁸
<i>AQP1</i>	3.283663	9.880569	2.18x10 ⁻⁴⁹	7.60x10 ⁻⁴⁸
<i>SHCBP1</i>	-2.84483	3.294857	2.43x10 ⁻⁴⁹	8.47x10 ⁻⁴⁸
<i>LY6K</i>	-4.51126	3.581046	2.82x10 ⁻⁴⁹	9.80x10 ⁻⁴⁸
<i>MAGED4B</i>	-2.88368	4.388584	2.88x10 ⁻⁴⁹	9.98x10 ⁻⁴⁸
<i>SYNE1</i>	2.70058	7.066221	3.10x10 ⁻⁴⁹	1.07x10 ⁻⁴⁷
<i>AHCYL2</i>	2.402403	6.898691	3.31x10 ⁻⁴⁹	1.14x10 ⁻⁴⁷
<i>CEP72</i>	-2.03944	2.637831	4.34x10 ⁻⁴⁹	1.49x10 ⁻⁴⁷
<i>PFN2</i>	-2.78825	7.039529	5.53x10 ⁻⁴⁹	1.89x10 ⁻⁴⁷
<i>GRHL1</i>	-3.03482	4.984196	6.71x10 ⁻⁴⁹	2.29x10 ⁻⁴⁷
<i>CD93</i>	2.630644	8.040143	6.81x10 ⁻⁴⁹	2.32x10 ⁻⁴⁷
<i>HMMR</i>	-3.42117	3.483841	7.10x10 ⁻⁴⁹	2.41x10 ⁻⁴⁷
<i>FIGNL1</i>	-2.11229	4.054351	7.60x10 ⁻⁴⁹	2.57x10 ⁻⁴⁷
<i>SUSD2</i>	4.118405	8.459855	7.88x10 ⁻⁴⁹	2.66x10 ⁻⁴⁷
<i>COL17A1</i>	-6.5861	7.595181	1.89x10 ⁻⁴⁸	6.34x10 ⁻⁴⁷
<i>MMP12</i>	-5.80126	5.627573	2.04x10 ⁻⁴⁸	6.81x10 ⁻⁴⁷
<i>P2RY14</i>	2.613732	2.556869	3.13x10 ⁻⁴⁸	1.04x10 ⁻⁴⁶
<i>RHOJ</i>	2.387947	4.002357	3.25x10 ⁻⁴⁸	1.08x10 ⁻⁴⁶
<i>BCL6B</i>	2.373048	4.861791	3.56x10 ⁻⁴⁸	1.18x10 ⁻⁴⁶
<i>FHL5</i>	3.929572	3.154317	4.26x10 ⁻⁴⁸	1.40x10 ⁻⁴⁶
<i>FOXF1</i>	2.820708	4.76356	4.83x10 ⁻⁴⁸	1.59x10 ⁻⁴⁶
<i>CLSPN</i>	-3.50435	2.832599	5.04x10 ⁻⁴⁸	1.65x10 ⁻⁴⁶
<i>CCNE2</i>	-3.0905	3.145394	5.33x10 ⁻⁴⁸	1.74x10 ⁻⁴⁶
<i>PHACTR1</i>	2.925955	3.081975	6.46x10 ⁻⁴⁸	2.10x10 ⁻⁴⁶

<i>ODZ4</i>	-3.17701	4.806944	6.69x10 ⁻⁴⁸	2.17x10 ⁻⁴⁶
<i>LRRC36</i>	4.619827	3.167507	7.79x10 ⁻⁴⁸	2.52x10 ⁻⁴⁶
<i>EPHB3</i>	-2.99087	5.838426	8.92x10 ⁻⁴⁸	2.88x10 ⁻⁴⁶
<i>PCDH12</i>	2.502257	5.404717	1.21x10 ⁻⁴⁷	3.88x10 ⁻⁴⁶
<i>RTKN2</i>	3.725844	6.935769	1.21x10 ⁻⁴⁷	3.89x10 ⁻⁴⁶
<i>MIF</i>	-2.02617	7.916107	1.34x10 ⁻⁴⁷	4.28x10 ⁻⁴⁶
<i>RAMP3</i>	3.386078	5.94305	1.58x10 ⁻⁴⁷	5.04x10 ⁻⁴⁶
<i>LGALS7B</i>	-7.76471	3.916869	1.95x10 ⁻⁴⁷	6.19x10 ⁻⁴⁶
<i>HSPB6</i>	3.426169	5.407266	2.27x10 ⁻⁴⁷	7.16x10 ⁻⁴⁶
<i>INMT</i>	4.445275	7.198748	2.78x10 ⁻⁴⁷	8.72x10 ⁻⁴⁶
<i>CABYR</i>	-4.76207	3.060319	2.80x10 ⁻⁴⁷	8.77x10 ⁻⁴⁶
<i>CDCA7</i>	-3.51572	4.209152	3.26x10 ⁻⁴⁷	1.02x10 ⁻⁴⁵
<i>DLX6</i>	-8.79802	2.514852	5.08x10 ⁻⁴⁷	1.57x10 ⁻⁴⁵
<i>SYT15</i>	3.435305	4.888237	7.65x10 ⁻⁴⁷	2.36x10 ⁻⁴⁵
<i>RHOV</i>	-4.46342	4.992698	7.96x10 ⁻⁴⁷	2.45x10 ⁻⁴⁵
<i>GPM6A</i>	5.45107	4.708973	1.07x10 ⁻⁴⁶	3.26x10 ⁻⁴⁵
<i>EPHA1</i>	-2.08378	4.599197	1.22x10 ⁻⁴⁶	3.72x10 ⁻⁴⁵
<i>PROM2</i>	-3.40362	6.323373	1.35x10 ⁻⁴⁶	4.11x10 ⁻⁴⁵
<i>EPAS1</i>	2.91354	10.36945	1.88x10 ⁻⁴⁶	5.69x10 ⁻⁴⁵
<i>TMEM117</i>	-2.87337	3.249503	2.48x10 ⁻⁴⁶	7.41x10 ⁻⁴⁵
<i>CAPNS2</i>	-6.50134	3.176612	3.48x10 ⁻⁴⁶	1.04x10 ⁻⁴⁴
<i>A2M</i>	2.976709	11.54099	4.06x10 ⁻⁴⁶	1.20x10 ⁻⁴⁴
<i>CLIC5</i>	4.705406	7.639607	7.06x10 ⁻⁴⁶	2.08x10 ⁻⁴⁴
<i>HR</i>	-4.23757	4.933036	7.08x10 ⁻⁴⁶	2.08x10 ⁻⁴⁴
<i>WASF1</i>	-2.67949	4.070553	7.13x10 ⁻⁴⁶	2.10x10 ⁻⁴⁴
<i>HSPA12B</i>	2.727733	4.418367	9.11x10 ⁻⁴⁶	2.67x10 ⁻⁴⁴
<i>NME1</i>	-2.06792	6.082728	9.12x10 ⁻⁴⁶	2.67x10 ⁻⁴⁴
<i>TAL1</i>	3.02603	3.357071	1.01x10 ⁻⁴⁵	2.96x10 ⁻⁴⁴
<i>EGLN3</i>	-3.46126	5.950525	1.05x10 ⁻⁴⁵	3.07x10 ⁻⁴⁴

<i>GPR133</i>	3.787435	5.545143	1.18x10 ⁻⁴⁵	3.43x10 ⁻⁴⁴
<i>TMEM100</i>	5.070713	6.101674	1.26x10 ⁻⁴⁵	3.65x10 ⁻⁴⁴
<i>RAI2</i>	2.343733	4.712651	1.46x10 ⁻⁴⁵	4.20x10 ⁻⁴⁴
<i>FGD5</i>	2.280967	5.896916	1.61x10 ⁻⁴⁵	4.61x10 ⁻⁴⁴
<i>VWF</i>	2.800857	9.532872	1.84x10 ⁻⁴⁵	5.27x10 ⁻⁴⁴
<i>CCDC69</i>	2.197889	6.366289	1.94x10 ⁻⁴⁵	5.56x10 ⁻⁴⁴
<i>C6orf174</i>	3.516351	3.861744	3.29x10 ⁻⁴⁵	9.34x10 ⁻⁴⁴
<i>DAPL1</i>	-7.46563	4.780592	4.06x10 ⁻⁴⁵	1.14x10 ⁻⁴³
<i>LEPR</i>	2.579886	5.411548	9.22x10 ⁻⁴⁵	2.58x10 ⁻⁴³
<i>GLDN</i>	3.04605	4.162327	1.28x10 ⁻⁴⁴	3.55x10 ⁻⁴³
<i>DTL</i>	-2.84903	4.295339	1.32x10 ⁻⁴⁴	3.64x10 ⁻⁴³
<i>NOTCH4</i>	2.274829	5.803558	1.52x10 ⁻⁴⁴	4.19x10 ⁻⁴³
<i>TCF21</i>	3.867168	5.630357	1.55x10 ⁻⁴⁴	4.25x10 ⁻⁴³
<i>LAD1</i>	-2.58522	7.29057	1.58x10 ⁻⁴⁴	4.34x10 ⁻⁴³
<i>C11orf41</i>	-4.79817	3.521409	1.60x10 ⁻⁴⁴	4.38x10 ⁻⁴³
<i>SRRM3</i>	-3.63702	2.839727	2.23x10 ⁻⁴⁴	6.07x10 ⁻⁴³
<i>KRT14</i>	-9.3499	9.760411	3.29x10 ⁻⁴⁴	8.92x10 ⁻⁴³
<i>FAM83A</i>	-6.77295	5.593375	3.59x10 ⁻⁴⁴	9.72x10 ⁻⁴³
<i>ATP11A</i>	2.049079	7.542311	4.26x10 ⁻⁴⁴	1.15x10 ⁻⁴²
<i>KCNT2</i>	3.574002	2.552952	4.33x10 ⁻⁴⁴	1.17x10 ⁻⁴²
<i>LIMS2</i>	2.725147	5.890039	5.85x10 ⁻⁴⁴	1.56x10 ⁻⁴²
<i>F10</i>	2.805426	2.539357	5.89x10 ⁻⁴⁴	1.57x10 ⁻⁴²
<i>ZNF367</i>	-2.45749	3.25446	6.67x10 ⁻⁴⁴	1.77x10 ⁻⁴²
<i>CHTF18</i>	-2.27594	3.70107	7.29x10 ⁻⁴⁴	1.93x10 ⁻⁴²
<i>CALCRL</i>	2.706817	6.832846	8.06x10 ⁻⁴⁴	2.13x10 ⁻⁴²
<i>FST</i>	-3.59209	4.153264	1.09x10 ⁻⁴³	2.85x10 ⁻⁴²
<i>SLC6A15</i>	-7.2435	3.3057	1.23x10 ⁻⁴³	3.24x10 ⁻⁴²
<i>KRT16</i>	-8.79823	9.347233	1.40x10 ⁻⁴³	3.65x10 ⁻⁴²
<i>CNFN</i>	-5.74277	3.498766	1.50x10 ⁻⁴³	3.93x10 ⁻⁴²

<i>DISP1</i>	2.166057	4.307981	1.65x10 ⁻⁴³	4.30x10 ⁻⁴²
<i>LGALS7</i>	-7.72958	4.564785	1.87x10 ⁻⁴³	4.86x10 ⁻⁴²
<i>PGM5</i>	3.448198	4.325886	1.90x10 ⁻⁴³	4.93x10 ⁻⁴²
<i>FOXE1</i>	-7.94982	5.263896	3.24x10 ⁻⁴³	8.37x10 ⁻⁴²
<i>C20orf160</i>	2.620949	3.296846	3.35x10 ⁻⁴³	8.63x10 ⁻⁴²
<i>GALNT14</i>	-4.6497	4.173655	3.42x10 ⁻⁴³	8.80x10 ⁻⁴²
<i>CNTNAP2</i>	-5.2525	4.320414	3.99x10 ⁻⁴³	1.02x10 ⁻⁴¹
<i>NUDT11</i>	-3.60118	2.518538	5.06x10 ⁻⁴³	1.29x10 ⁻⁴¹
<i>TNFSF13</i>	2.121833	6.46209	5.43x10 ⁻⁴³	1.38x10 ⁻⁴¹
<i>PRX</i>	3.467104	5.977994	5.62x10 ⁻⁴³	1.43x10 ⁻⁴¹
<i>FAM111B</i>	-3.42989	3.617241	5.87x10 ⁻⁴³	1.49x10 ⁻⁴¹
<i>NLRC4</i>	2.705088	3.312515	6.10x10 ⁻⁴³	1.54x10 ⁻⁴¹
<i>RHCG</i>	-8.17525	5.254395	6.19x10 ⁻⁴³	1.56x10 ⁻⁴¹
<i>SH3BP5</i>	2.038192	6.465182	8.57x10 ⁻⁴³	2.16x10 ⁻⁴¹
<i>GCOM1</i>	3.712314	5.244329	9.13x10 ⁻⁴³	2.29x10 ⁻⁴¹
<i>ACE</i>	2.312551	6.924942	1.19x10 ⁻⁴²	2.98x10 ⁻⁴¹
<i>VEPH1</i>	4.002778	4.841639	1.43x10 ⁻⁴²	3.54x10 ⁻⁴¹
<i>BCL11A</i>	-3.24612	4.367623	1.96x10 ⁻⁴²	4.81x10 ⁻⁴¹
<i>SPOCK1</i>	-3.54715	3.973073	2.26x10 ⁻⁴²	5.54x10 ⁻⁴¹
<i>STX11</i>	2.628161	5.583791	2.63x10 ⁻⁴²	6.41x10 ⁻⁴¹
<i>BARX2</i>	-4.69436	3.397965	2.75x10 ⁻⁴²	6.68x10 ⁻⁴¹
<i>EROIL</i>	-2.31843	6.6394	3.91x10 ⁻⁴²	9.45x10 ⁻⁴¹
<i>ASNS</i>	-2.30664	5.315785	3.99x10 ⁻⁴²	9.63x10 ⁻⁴¹
<i>MMRN1</i>	3.383554	4.807796	4.36x10 ⁻⁴²	1.05x10 ⁻⁴⁰
<i>B4GALNT1</i>	-4.1438	2.792299	4.37x10 ⁻⁴²	1.05x10 ⁻⁴⁰
<i>SEMA3G</i>	3.103848	5.286223	4.92x10 ⁻⁴²	1.18x10 ⁻⁴⁰
<i>MFNG</i>	2.111447	4.838954	5.66x10 ⁻⁴²	1.36x10 ⁻⁴⁰
<i>ETV4</i>	-3.74688	4.541846	6.46x10 ⁻⁴²	1.54x10 ⁻⁴⁰
<i>ABCC6</i>	3.290126	3.929643	8.11x10 ⁻⁴²	1.91x10 ⁻⁴⁰

<i>ANGPTL1</i>	3.430697	3.011864	8.34x10 ⁻⁴²	1.96x10 ⁻⁴⁰
<i>PIGX</i>	-2.24975	5.578072	1.01x10 ⁻⁴¹	2.34x10 ⁻⁴⁰
<i>PHGDH</i>	-2.45972	6.025303	1.02x10 ⁻⁴¹	2.36x10 ⁻⁴⁰
<i>SELENBP1</i>	3.50954	7.77497	1.03x10 ⁻⁴¹	2.38x10 ⁻⁴⁰
<i>SORD</i>	-2.17576	4.95255	1.07x10 ⁻⁴¹	2.47x10 ⁻⁴⁰
<i>SLC7A5</i>	-3.27626	7.419744	1.20x10 ⁻⁴¹	2.77x10 ⁻⁴⁰
<i>MFSD2A</i>	2.439633	6.09501	1.31x10 ⁻⁴¹	3.00x10 ⁻⁴⁰
<i>OVOL1</i>	-3.94777	3.768429	1.40x10 ⁻⁴¹	3.21x10 ⁻⁴⁰
<i>GSTM5</i>	2.843008	3.277878	1.61x10 ⁻⁴¹	3.68x10 ⁻⁴⁰
<i>PNCK</i>	-5.99447	2.778359	1.63x10 ⁻⁴¹	3.70x10 ⁻⁴⁰
<i>SLC16A1</i>	-2.73112	6.107739	1.76x10 ⁻⁴¹	4.01x10 ⁻⁴⁰
<i>GPX2</i>	-6.65956	6.999808	1.98x10 ⁻⁴¹	4.49x10 ⁻⁴⁰
<i>C11orf82</i>	-2.2657	3.451808	2.30x10 ⁻⁴¹	5.19x10 ⁻⁴⁰
<i>ETNK2</i>	-2.23785	4.005852	3.01x10 ⁻⁴¹	6.75x10 ⁻⁴⁰
<i>TNXB</i>	4.087045	7.425518	3.03x10 ⁻⁴¹	6.79x10 ⁻⁴⁰
<i>CXorf36</i>	2.405787	4.862807	3.16x10 ⁻⁴¹	7.05x10 ⁻⁴⁰
<i>ALDH2</i>	2.038833	8.471098	3.30x10 ⁻⁴¹	7.35x10 ⁻⁴⁰
<i>PLEK2</i>	-3.22871	3.872451	4.50x10 ⁻⁴¹	9.93x10 ⁻⁴⁰
<i>FSCN1</i>	-2.82365	8.146401	4.98x10 ⁻⁴¹	1.10x10 ⁻³⁹
<i>HES2</i>	-3.56109	4.399999	5.75x10 ⁻⁴¹	1.26x10 ⁻³⁹
<i>SMO</i>	-2.40263	4.939022	5.75x10 ⁻⁴¹	1.26x10 ⁻³⁹
<i>JAG1</i>	-2.43561	7.828087	6.32x10 ⁻⁴¹	1.38x10 ⁻³⁹
<i>BIK</i>	-2.97724	2.672521	6.53x10 ⁻⁴¹	1.43x10 ⁻³⁹
<i>LPL</i>	3.293389	6.94431	7.29x10 ⁻⁴¹	1.58x10 ⁻³⁹
<i>CYB5A</i>	2.181211	7.289453	8.32x10 ⁻⁴¹	1.80x10 ⁻³⁹
<i>DNMT3B</i>	-3.37299	2.926086	8.49x10 ⁻⁴¹	1.83x10 ⁻³⁹
<i>CFP</i>	3.04142	3.252943	9.17x10 ⁻⁴¹	1.97x10 ⁻³⁹
<i>HBA2</i>	4.573881	8.154836	1.02x10 ⁻⁴⁰	2.19x10 ⁻³⁹
<i>FRMD6</i>	-2.40225	6.206758	1.11x10 ⁻⁴⁰	2.36x10 ⁻³⁹

<i>RNASE1</i>	2.609509	8.995371	1.26x10 ⁻⁴⁰	2.68x10 ⁻³⁹
<i>EDNRB</i>	3.637507	6.547833	1.29x10 ⁻⁴⁰	2.75x10 ⁻³⁹
<i>IGF2BP2</i>	-2.84681	5.943681	1.44x10 ⁻⁴⁰	3.05x10 ⁻³⁹
<i>C4orf31</i>	3.879379	6.867799	1.65x10 ⁻⁴⁰	3.49x10 ⁻³⁹
<i>SLC1A1</i>	3.300588	5.372674	1.70x10 ⁻⁴⁰	3.60x10 ⁻³⁹
<i>GPR115</i>	-5.67407	2.891574	2.63x10 ⁻⁴⁰	5.52x10 ⁻³⁹
<i>RASL12</i>	2.263645	4.59803	2.65x10 ⁻⁴⁰	5.55x10 ⁻³⁹
<i>HBB</i>	4.789439	8.704721	2.99x10 ⁻⁴⁰	6.25x10 ⁻³⁹
<i>CLCN2</i>	-2.39767	2.979077	3.30x10 ⁻⁴⁰	6.89x10 ⁻³⁹
<i>CCRL1</i>	2.80662	3.025554	3.84x10 ⁻⁴⁰	7.97x10 ⁻³⁹
<i>ENG</i>	2.0827	8.219026	3.85x10 ⁻⁴⁰	7.97x10 ⁻³⁹
<i>RAC3</i>	-2.82895	3.2689	4.81x10 ⁻⁴⁰	9.94x10 ⁻³⁹
<i>ADCY4</i>	2.539404	3.910939	5.33x10 ⁻⁴⁰	1.10x10 ⁻³⁸
<i>ATOH8</i>	3.897688	5.560001	6.73x10 ⁻⁴⁰	1.38x10 ⁻³⁸
<i>TMEM125</i>	3.187307	6.110968	6.80x10 ⁻⁴⁰	1.40x10 ⁻³⁸
<i>PKHD1L1</i>	4.473107	2.931785	7.84x10 ⁻⁴⁰	1.61x10 ⁻³⁸
<i>TMEM158</i>	-3.49411	3.387331	7.95x10 ⁻⁴⁰	1.63x10 ⁻³⁸
<i>THOC3</i>	-2.14818	5.598788	8.09x10 ⁻⁴⁰	1.65x10 ⁻³⁸
<i>FBLN5</i>	2.55675	6.760589	8.83x10 ⁻⁴⁰	1.80x10 ⁻³⁸
<i>CIQTNF7</i>	3.508423	3.450278	1.35x10 ⁻³⁹	2.74x10 ⁻³⁸
<i>EXOC3L</i>	2.02674	2.887332	1.43x10 ⁻³⁹	2.89x10 ⁻³⁸
<i>FXYD1</i>	3.612762	3.279505	2.42x10 ⁻³⁹	4.85x10 ⁻³⁸
<i>KRT13</i>	-7.54652	8.567938	2.69x10 ⁻³⁹	5.37x10 ⁻³⁸
<i>CABLES1</i>	2.098878	5.197368	2.92x10 ⁻³⁹	5.83x10 ⁻³⁸
<i>SLC9A3R1</i>	-2.37976	6.905826	3.64x10 ⁻³⁹	7.22x10 ⁻³⁸
<i>COX4I2</i>	2.97137	3.364962	3.96x10 ⁻³⁹	7.87x10 ⁻³⁸
<i>CDKN2A</i>	-4.4899	4.30212	4.33x10 ⁻³⁹	8.58x10 ⁻³⁸
<i>LAMP3</i>	2.771494	8.618046	4.41x10 ⁻³⁹	8.73x10 ⁻³⁸
<i>FAM107A</i>	4.639205	7.287642	4.70x10 ⁻³⁹	9.28x10 ⁻³⁸

<i>SULT1A1</i>	2.26212	5.308711	5.06x10 ⁻³⁹	9.98x10 ⁻³⁸
<i>BMP7</i>	-3.87071	5.223011	5.30x10 ⁻³⁹	1.04x10 ⁻³⁷
<i>HEPHL1</i>	-8.33103	2.838049	6.17x10 ⁻³⁹	1.21x10 ⁻³⁷
<i>AOC3</i>	3.073315	7.856166	8.95x10 ⁻³⁹	1.74x10 ⁻³⁷
<i>ALDH3B1</i>	2.991767	6.618246	9.36x10 ⁻³⁹	1.82x10 ⁻³⁷
<i>XDH</i>	-4.37893	3.169111	1.18x10 ⁻³⁸	2.29x10 ⁻³⁷
<i>GGTLC1</i>	4.999635	4.286582	2.14x10 ⁻³⁸	4.10x10 ⁻³⁷
<i>IVL</i>	-6.83213	4.944225	2.20x10 ⁻³⁸	4.21x10 ⁻³⁷
<i>ABCB6</i>	-2.15791	5.06248	2.50x10 ⁻³⁸	4.79x10 ⁻³⁷
<i>CSRNPI</i>	2.905837	7.366649	2.60x10 ⁻³⁸	4.96x10 ⁻³⁷
<i>EDARADD</i>	-3.37868	4.141698	2.65x10 ⁻³⁸	5.05x10 ⁻³⁷
<i>KIAA1462</i>	2.418844	6.957585	2.80x10 ⁻³⁸	5.33x10 ⁻³⁷
<i>SLC6A20</i>	4.013984	2.744678	3.28x10 ⁻³⁸	6.21x10 ⁻³⁷
<i>GSDMC</i>	-4.12439	3.077474	3.34x10 ⁻³⁸	6.31x10 ⁻³⁷
<i>RAB37</i>	2.421446	3.06449	3.37x10 ⁻³⁸	6.37x10 ⁻³⁷
<i>PID1</i>	2.37964	4.908735	3.40x10 ⁻³⁸	6.41x10 ⁻³⁷
<i>MLLT11</i>	-3.02144	4.029477	4.47x10 ⁻³⁸	8.34x10 ⁻³⁷
<i>LILRA5</i>	2.732114	3.423377	5.42x10 ⁻³⁸	1.01x10 ⁻³⁶
<i>IL3RA</i>	2.405165	4.393888	6.02x10 ⁻³⁸	1.12x10 ⁻³⁶
<i>ACOX2</i>	2.548839	2.883637	6.10x10 ⁻³⁸	1.13x10 ⁻³⁶
<i>TBX4</i>	3.073636	4.741426	7.67x10 ⁻³⁸	1.41x10 ⁻³⁶
<i>MFAP4</i>	3.130903	8.579694	7.79x10 ⁻³⁸	1.44x10 ⁻³⁶
<i>FGFR4</i>	3.211658	5.486127	7.85x10 ⁻³⁸	1.45x10 ⁻³⁶
<i>B4GALT4</i>	-2.16519	5.685699	8.89x10 ⁻³⁸	1.63x10 ⁻³⁶
<i>SPN</i>	2.844123	5.837942	1.11x10 ⁻³⁷	2.03x10 ⁻³⁶
<i>C7orf58</i>	2.666439	4.601106	1.35x10 ⁻³⁷	2.44x10 ⁻³⁶
<i>COL22A1</i>	-5.43211	2.733147	1.43x10 ⁻³⁷	2.59x10 ⁻³⁶
<i>SLC19A3</i>	3.469794	3.692278	1.46x10 ⁻³⁷	2.64x10 ⁻³⁶
<i>PLAC9</i>	3.244303	3.563042	1.49x10 ⁻³⁷	2.70x10 ⁻³⁶

<i>GCLC</i>	-3.17585	7.00967	1.51x10 ⁻³⁷	2.72x10 ⁻³⁶
<i>CYBRD1</i>	2.050168	8.19665	1.57x10 ⁻³⁷	2.82x10 ⁻³⁶
<i>FAM162B</i>	3.008036	2.619403	1.71x10 ⁻³⁷	3.07x10 ⁻³⁶
<i>TSKU</i>	-2.0956	6.17151	1.76x10 ⁻³⁷	3.15x10 ⁻³⁶
<i>SPRR1B</i>	-8.26242	6.953557	1.82x10 ⁻³⁷	3.26x10 ⁻³⁶
<i>SLC9A3R2</i>	2.150572	6.838304	1.93x10 ⁻³⁷	3.45x10 ⁻³⁶
<i>PODXL2</i>	-2.88008	4.363345	2.06x10 ⁻³⁷	3.69x10 ⁻³⁶
<i>HSPA4L</i>	-2.47739	3.632325	3.00x10 ⁻³⁷	5.31x10 ⁻³⁶
<i>VANGL2</i>	-2.40784	5.738916	3.29x10 ⁻³⁷	5.82x10 ⁻³⁶
<i>SLC46A2</i>	3.779701	3.90677	3.49x10 ⁻³⁷	6.16x10 ⁻³⁶
<i>MMP13</i>	-8.42938	6.621535	3.74x10 ⁻³⁷	6.61x10 ⁻³⁶
<i>TFAP2C</i>	-2.32498	4.516151	3.78x10 ⁻³⁷	6.67x10 ⁻³⁶
<i>MAGEA9B</i>	-10.706	3.967784	3.82x10 ⁻³⁷	6.73x10 ⁻³⁶
<i>DES</i>	4.269716	5.984833	3.87x10 ⁻³⁷	6.81x10 ⁻³⁶
<i>ACOXL</i>	3.786769	2.500011	4.47x10 ⁻³⁷	7.84x10 ⁻³⁶
<i>CENPP</i>	-2.0817	2.523846	4.55x10 ⁻³⁷	7.97x10 ⁻³⁶
<i>KL</i>	3.064953	3.257797	4.79x10 ⁻³⁷	8.38x10 ⁻³⁶
<i>PLAU</i>	-2.99842	7.392393	5.29x10 ⁻³⁷	9.21x10 ⁻³⁶
<i>LRRC32</i>	2.650923	7.00053	5.63x10 ⁻³⁷	9.79x10 ⁻³⁶
<i>MMP1</i>	-5.71197	7.113599	5.73x10 ⁻³⁷	9.95x10 ⁻³⁶
<i>GBP6</i>	-5.42245	5.58499	6.16x10 ⁻³⁷	1.07x10 ⁻³⁵
<i>GIMAP5</i>	2.430614	5.588265	7.26x10 ⁻³⁷	1.26x10 ⁻³⁵
<i>PPP1R14A</i>	2.591989	3.345016	7.98x10 ⁻³⁷	1.38x10 ⁻³⁵
<i>SOX2</i>	-4.86082	6.386808	9.40x10 ⁻³⁷	1.62x10 ⁻³⁵
<i>KIAA0802</i>	-2.27511	3.927825	1.14x10 ⁻³⁶	1.94x10 ⁻³⁵
<i>SCARF1</i>	2.123186	4.653176	1.26x10 ⁻³⁶	2.15x10 ⁻³⁵
<i>ANXA3</i>	2.403363	6.763697	1.29x10 ⁻³⁶	2.20x10 ⁻³⁵
<i>SCN7A</i>	4.076286	4.941312	1.31x10 ⁻³⁶	2.22x10 ⁻³⁵
<i>Clorf106</i>	-2.14333	5.459557	1.32x10 ⁻³⁶	2.25x10 ⁻³⁵

<i>PLXNB3</i>	-3.10194	3.695215	1.50x10 ⁻³⁶	2.55x10 ⁻³⁵
<i>NINJ2</i>	2.276169	3.787802	1.58x10 ⁻³⁶	2.67x10 ⁻³⁵
<i>GLIPR2</i>	2.248428	6.508795	1.84x10 ⁻³⁶	3.11x10 ⁻³⁵
<i>C1orf116</i>	2.681433	7.545478	2.53x10 ⁻³⁶	4.24x10 ⁻³⁵
<i>FBN2</i>	-5.72117	5.361599	2.97x10 ⁻³⁶	4.96x10 ⁻³⁵
<i>CYB5R2</i>	-2.33517	4.224425	3.68x10 ⁻³⁶	6.11x10 ⁻³⁵
<i>GIMAP7</i>	2.513717	4.787188	3.68x10 ⁻³⁶	6.11x10 ⁻³⁵
<i>CD97</i>	2.188232	7.632688	4.07x10 ⁻³⁶	6.75x10 ⁻³⁵
<i>C10orf99</i>	-8.39576	2.783117	4.86x10 ⁻³⁶	8.01x10 ⁻³⁵
<i>RGN</i>	3.04683	2.907874	4.88x10 ⁻³⁶	8.03x10 ⁻³⁵
<i>PCDH19</i>	-4.44334	3.518228	5.47x10 ⁻³⁶	8.99x10 ⁻³⁵
<i>DOCK4</i>	2.047856	5.770379	5.62x10 ⁻³⁶	9.22x10 ⁻³⁵
<i>COL11A1</i>	-6.64888	6.03875	5.78x10 ⁻³⁶	9.48x10 ⁻³⁵
<i>ATP8A1</i>	2.663401	5.490898	6.23x10 ⁻³⁶	1.02x10 ⁻³⁴
<i>PI3</i>	-6.78042	7.769124	6.26x10 ⁻³⁶	1.02x10 ⁻³⁴
<i>RICH2</i>	2.762909	5.220046	7.01x10 ⁻³⁶	1.14x10 ⁻³⁴
<i>KCNK3</i>	3.648575	4.870222	7.01x10 ⁻³⁶	1.14x10 ⁻³⁴
<i>RGMA</i>	-2.88557	4.742333	8.12x10 ⁻³⁶	1.32x10 ⁻³⁴
<i>TSPAN12</i>	2.68561	5.694774	9.67x10 ⁻³⁶	1.57x10 ⁻³⁴
<i>ST3GAL5</i>	2.084706	5.116847	1.17x10 ⁻³⁵	1.89x10 ⁻³⁴
<i>CKMT1A</i>	-4.32452	3.425992	1.18x10 ⁻³⁵	1.91x10 ⁻³⁴
<i>PTPRZ1</i>	-4.90446	5.745757	1.18x10 ⁻³⁵	1.91x10 ⁻³⁴
<i>SPRR2D</i>	-7.85639	6.26005	1.20x10 ⁻³⁵	1.94x10 ⁻³⁴
<i>PRRX2</i>	-3.13946	2.687792	1.36x10 ⁻³⁵	2.19x10 ⁻³⁴
<i>VIPR1</i>	3.429834	6.050727	2.01x10 ⁻³⁵	3.21x10 ⁻³⁴
<i>IGF2BP1</i>	-6.86452	2.537299	2.39x10 ⁻³⁵	3.79x10 ⁻³⁴
<i>DAPK2</i>	2.525342	5.061958	3.54x10 ⁻³⁵	5.58x10 ⁻³⁴
<i>TMPRSS11D</i>	-8.33177	4.661766	4.00x10 ⁻³⁵	6.29x10 ⁻³⁴
<i>SI00A7</i>	-9.55029	6.016537	4.12x10 ⁻³⁵	6.47x10 ⁻³⁴

<i>DENND3</i>	2.2867	6.420292	4.20x10 ⁻³⁵	6.59x10 ⁻³⁴
<i>CIB2</i>	-2.34959	3.030618	4.36x10 ⁻³⁵	6.84x10 ⁻³⁴
<i>LGR4</i>	-2.32013	5.058139	4.98x10 ⁻³⁵	7.77x10 ⁻³⁴
<i>FAM83C</i>	-8.10806	3.449581	5.53x10 ⁻³⁵	8.62x10 ⁻³⁴
<i>KLK6</i>	-8.40151	4.137066	5.62x10 ⁻³⁵	8.76x10 ⁻³⁴
<i>ODZ2</i>	-5.55413	5.439766	6.65x10 ⁻³⁵	1.03x10 ⁻³³
<i>LOC728554</i>	-2.67203	4.017348	6.91x10 ⁻³⁵	1.07x10 ⁻³³
<i>CYYR1</i>	2.225532	5.086258	9.20x10 ⁻³⁵	1.41x10 ⁻³³
<i>C1orf162</i>	2.445954	5.085822	9.72x10 ⁻³⁵	1.49x10 ⁻³³
<i>CIQTNF6</i>	-2.63097	4.923668	1.03x10 ⁻³⁴	1.57x10 ⁻³³
<i>PKNOX2</i>	2.571074	3.540826	1.09x10 ⁻³⁴	1.66x10 ⁻³³
<i>MAGEA4</i>	-9.41267	5.660437	1.17x10 ⁻³⁴	1.77x10 ⁻³³
<i>ICAM2</i>	2.265039	5.445349	1.23x10 ⁻³⁴	1.87x10 ⁻³³
<i>PLD1</i>	-2.37924	5.676023	1.27x10 ⁻³⁴	1.93x10 ⁻³³
<i>GPER</i>	2.739823	3.013426	1.47x10 ⁻³⁴	2.21x10 ⁻³³
<i>TLR4</i>	2.110466	5.480282	1.55x10 ⁻³⁴	2.33x10 ⁻³³
<i>TMEM40</i>	-4.48753	3.227867	1.65x10 ⁻³⁴	2.48x10 ⁻³³
<i>MMP3</i>	-6.7683	3.344503	1.66x10 ⁻³⁴	2.48x10 ⁻³³
<i>AKR1C2</i>	-5.109	7.90274	2.02x10 ⁻³⁴	3.01x10 ⁻³³
<i>A2ML1</i>	-8.10591	5.650476	2.68x10 ⁻³⁴	3.97x10 ⁻³³
<i>CRABP2</i>	-4.0103	5.660857	2.86x10 ⁻³⁴	4.23x10 ⁻³³
<i>FAM13C</i>	2.388153	3.310724	3.22x10 ⁻³⁴	4.76x10 ⁻³³
<i>DLL4</i>	2.028341	4.974072	3.26x10 ⁻³⁴	4.81x10 ⁻³³
<i>PALM2-AKAP2</i>	2.300149	7.277244	3.30x10 ⁻³⁴	4.86x10 ⁻³³
<i>TRPV2</i>	2.069615	5.848841	3.51x10 ⁻³⁴	5.17x10 ⁻³³
<i>RASGRP4</i>	2.610787	2.953024	3.69x10 ⁻³⁴	5.43x10 ⁻³³
<i>CACNA2D2</i>	4.12461	7.178436	4.66x10 ⁻³⁴	6.83x10 ⁻³³
<i>HOXB9</i>	-8.25341	2.949881	4.69x10 ⁻³⁴	6.86x10 ⁻³³
<i>TPD52L1</i>	-2.35381	5.474184	4.73x10 ⁻³⁴	6.91x10 ⁻³³

<i>ROR1</i>	2.735992	3.073283	5.01x10 ⁻³⁴	7.31x10 ⁻³³
<i>SERPINB13</i>	-7.91678	5.977756	5.42x10 ⁻³⁴	7.90x10 ⁻³³
<i>KRT31</i>	-11.2841	4.076729	6.37x10 ⁻³⁴	9.25x10 ⁻³³
<i>DLK2</i>	-3.76757	2.585957	6.43x10 ⁻³⁴	9.32x10 ⁻³³
<i>ARHGAP6</i>	2.7239	3.536016	6.55x10 ⁻³⁴	9.48x10 ⁻³³
<i>FMO2</i>	3.187272	7.406122	7.09x10 ⁻³⁴	1.02x10 ⁻³²
<i>ABCA9</i>	2.696404	2.852639	7.35x10 ⁻³⁴	1.06x10 ⁻³²
<i>SGMS2</i>	2.530173	6.705608	7.72x10 ⁻³⁴	1.11x10 ⁻³²
<i>WFDC1</i>	2.45498	3.283201	8.00x10 ⁻³⁴	1.15x10 ⁻³²
<i>ANKRD13B</i>	-2.43291	3.285459	8.05x10 ⁻³⁴	1.16x10 ⁻³²
<i>SLC1A4</i>	-2.26889	6.194512	8.21x10 ⁻³⁴	1.18x10 ⁻³²
<i>AHNAK2</i>	-3.20856	7.467376	9.04x10 ⁻³⁴	1.29x10 ⁻³²
<i>C16orf74</i>	-2.93644	2.502959	9.13x10 ⁻³⁴	1.30x10 ⁻³²
<i>MRC1</i>	3.170623	7.735488	9.97x10 ⁻³⁴	1.42x10 ⁻³²
<i>C11orf9</i>	3.257278	6.052824	1.08x10 ⁻³³	1.53x10 ⁻³²
<i>HSPB7</i>	2.633257	3.162765	1.09x10 ⁻³³	1.55x10 ⁻³²
<i>ZNF750</i>	-3.1191	4.805722	1.30x10 ⁻³³	1.85x10 ⁻³²
<i>FBXO27</i>	-3.07275	4.548396	1.34x10 ⁻³³	1.90x10 ⁻³²
<i>PLLP</i>	2.311239	5.469042	1.35x10 ⁻³³	1.91x10 ⁻³²
<i>AOX1</i>	3.124186	4.286502	1.37x10 ⁻³³	1.93x10 ⁻³²
<i>KLF2</i>	2.701242	5.58144	1.39x10 ⁻³³	1.96x10 ⁻³²
<i>NECAB1</i>	2.820431	3.520395	1.77x10 ⁻³³	2.48x10 ⁻³²
<i>RNASE7</i>	-7.50499	3.055337	1.87x10 ⁻³³	2.62x10 ⁻³²
<i>EGFL7</i>	2.073059	5.85793	2.24x10 ⁻³³	3.11x10 ⁻³²
<i>UCHL1</i>	-4.04563	5.719248	2.65x10 ⁻³³	3.67x10 ⁻³²
<i>UGT1A6</i>	-5.60346	5.718237	2.99x10 ⁻³³	4.14x10 ⁻³²
<i>LY6D</i>	-8.0456	6.46286	3.03x10 ⁻³³	4.19x10 ⁻³²
<i>CDKL2</i>	2.739363	3.342054	3.09x10 ⁻³³	4.26x10 ⁻³²
<i>PEAR1</i>	2.251367	4.238176	3.23x10 ⁻³³	4.46x10 ⁻³²

<i>MMP10</i>	-6.94512	6.125542	3.34x10 ⁻³³	4.60x10 ⁻³²
<i>MS4A15</i>	4.820392	5.249832	3.49x10 ⁻³³	4.79x10 ⁻³²
<i>SOX21</i>	-4.57149	3.152888	4.15x10 ⁻³³	5.67x10 ⁻³²
<i>BOP1</i>	-2.5693	4.324907	4.78x10 ⁻³³	6.52x10 ⁻³²
<i>MMRN2</i>	2.165508	5.948845	6.17x10 ⁻³³	8.39x10 ⁻³²
<i>KRT75</i>	-8.67606	3.104378	6.82x10 ⁻³³	9.27x10 ⁻³²
<i>CLDN5</i>	2.763982	6.372008	8.41x10 ⁻³³	1.14x10 ⁻³¹
<i>SPRR2A</i>	-8.19772	6.98514	8.52x10 ⁻³³	1.15x10 ⁻³¹
<i>CTSH</i>	2.344129	9.183609	8.56x10 ⁻³³	1.15x10 ⁻³¹
<i>FAM189A2</i>	3.644064	5.121895	8.60x10 ⁻³³	1.16x10 ⁻³¹
<i>ADAMTS8</i>	4.318426	4.992287	1.11x10 ⁻³²	1.48x10 ⁻³¹
<i>CLCA2</i>	-6.40298	7.64145	1.19x10 ⁻³²	1.58x10 ⁻³¹
<i>CITED2</i>	2.090398	7.212571	1.31x10 ⁻³²	1.74x10 ⁻³¹
<i>ITGB8</i>	-2.50953	5.855148	1.38x10 ⁻³²	1.83x10 ⁻³¹
<i>FAM84A</i>	-2.65067	5.101517	1.53x10 ⁻³²	2.02x10 ⁻³¹
<i>CCRL2</i>	2.247076	3.793014	1.64x10 ⁻³²	2.16x10 ⁻³¹
<i>FLT4</i>	2.124219	5.149516	1.68x10 ⁻³²	2.21x10 ⁻³¹
<i>STON2</i>	-2.04683	4.493345	1.78x10 ⁻³²	2.34x10 ⁻³¹
<i>CELF2</i>	2.258844	6.556395	1.83x10 ⁻³²	2.41x10 ⁻³¹
<i>CSTA</i>	-3.66744	6.895724	2.10x10 ⁻³²	2.76x10 ⁻³¹
<i>PMAIP1</i>	-2.43294	4.560637	3.10x10 ⁻³²	4.02x10 ⁻³¹
<i>PDK4</i>	3.620566	6.89953	3.28x10 ⁻³²	4.26x10 ⁻³¹
<i>PLEKHH2</i>	2.345242	4.962442	3.70x10 ⁻³²	4.79x10 ⁻³¹
<i>RHOBTB2</i>	2.411879	7.081438	3.79x10 ⁻³²	4.90x10 ⁻³¹
<i>ESYT3</i>	2.646622	3.87411	5.02x10 ⁻³²	6.44x10 ⁻³¹
<i>PSPH</i>	-2.25002	4.280926	5.35x10 ⁻³²	6.86x10 ⁻³¹
<i>TMPRSS11A</i>	-8.69864	3.762349	5.66x10 ⁻³²	7.26x10 ⁻³¹
<i>ILIF5</i>	-7.63564	3.480786	5.75x10 ⁻³²	7.36x10 ⁻³¹
<i>CX3CR1</i>	3.049305	3.506409	5.77x10 ⁻³²	7.39x10 ⁻³¹

<i>SCARA5</i>	4.353821	4.16774	6.63x10 ⁻³²	8.47x10 ⁻³¹
<i>GMFG</i>	2.069765	5.267699	7.18x10 ⁻³²	9.15x10 ⁻³¹
<i>WNK2</i>	-4.37387	4.805238	7.43x10 ⁻³²	9.44x10 ⁻³¹
<i>COL10A1</i>	-4.06208	5.081155	9.55x10 ⁻³²	1.21x10 ⁻³⁰
<i>DIO2</i>	-3.55728	4.062464	1.06x10 ⁻³¹	1.34x10 ⁻³⁰
<i>CA4</i>	5.199955	4.416432	1.18x10 ⁻³¹	1.48x10 ⁻³⁰
<i>SERPINE2</i>	-2.47387	5.776204	1.36x10 ⁻³¹	1.71x10 ⁻³⁰
<i>KIF1A</i>	-6.79798	4.246197	1.42x10 ⁻³¹	1.78x10 ⁻³⁰
<i>SFTA1P</i>	4.115904	4.792485	1.48x10 ⁻³¹	1.84x10 ⁻³⁰
<i>CALML5</i>	-8.69231	4.621113	1.71x10 ⁻³¹	2.12x10 ⁻³⁰
<i>GATA6</i>	2.321841	4.851744	1.71x10 ⁻³¹	2.12x10 ⁻³⁰
<i>GDA</i>	-5.31315	3.376506	1.73x10 ⁻³¹	2.15x10 ⁻³⁰
<i>FBP1</i>	2.972775	7.314933	1.78x10 ⁻³¹	2.21x10 ⁻³⁰
<i>MGLL</i>	2.089296	7.628559	1.79x10 ⁻³¹	2.21x10 ⁻³⁰
<i>AKAP2</i>	2.585215	7.224609	1.99x10 ⁻³¹	2.46x10 ⁻³⁰
<i>TNNC1</i>	4.722472	5.099524	2.06x10 ⁻³¹	2.54x10 ⁻³⁰
<i>SPRR2G</i>	-8.21898	3.00769	2.24x10 ⁻³¹	2.76x10 ⁻³⁰
<i>SI00A7A</i>	-9.2399	3.41199	2.27x10 ⁻³¹	2.80x10 ⁻³⁰
<i>RGS5</i>	2.127739	7.131531	2.62x10 ⁻³¹	3.22x10 ⁻³⁰
<i>AKR1B10</i>	-7.99854	7.617442	2.98x10 ⁻³¹	3.65x10 ⁻³⁰
<i>NCCRPI</i>	-4.79903	3.364297	3.14x10 ⁻³¹	3.84x10 ⁻³⁰
<i>GPA33</i>	4.353732	3.064195	3.31x10 ⁻³¹	4.04x10 ⁻³⁰
<i>CFD</i>	2.712259	5.908191	3.55x10 ⁻³¹	4.32x10 ⁻³⁰
<i>DYNC111</i>	-3.34686	2.799662	3.73x10 ⁻³¹	4.53x10 ⁻³⁰
<i>SLC7A11</i>	-3.90378	5.291374	4.15x10 ⁻³¹	5.03x10 ⁻³⁰
<i>SMAD6</i>	2.686661	4.408823	4.21x10 ⁻³¹	5.09x10 ⁻³⁰
<i>ADRB2</i>	2.689085	4.569583	4.23x10 ⁻³¹	5.12x10 ⁻³⁰
<i>CDHR1</i>	-4.10806	3.091557	4.44x10 ⁻³¹	5.35x10 ⁻³⁰
<i>TUBB3</i>	-3.0991	5.260813	5.20x10 ⁻³¹	6.25x10 ⁻³⁰

<i>GRASP</i>	2.433365	4.569165	5.38x10 ⁻³¹	6.46x10 ⁻³⁰
<i>CD52</i>	2.873108	6.794963	6.39x10 ⁻³¹	7.59x10 ⁻³⁰
<i>ITGA8</i>	3.261084	4.050668	6.50x10 ⁻³¹	7.72x10 ⁻³⁰
<i>ABCA8</i>	3.955584	5.11725	7.41x10 ⁻³¹	8.76x10 ⁻³⁰
<i>ENPP4</i>	2.09322	5.406268	8.06x10 ⁻³¹	9.50x10 ⁻³⁰
<i>RHBDL2</i>	-2.71748	2.518879	9.48x10 ⁻³¹	1.11x10 ⁻²⁹
<i>CCL14</i>	3.539323	5.240959	9.81x10 ⁻³¹	1.15x10 ⁻²⁹
<i>AGER</i>	5.184729	9.956782	9.94x10 ⁻³¹	1.16x10 ⁻²⁹
<i>FCN3</i>	4.3993	6.861509	1.04x10 ⁻³⁰	1.22x10 ⁻²⁹
<i>FMO5</i>	3.048595	4.415227	1.08x10 ⁻³⁰	1.26x10 ⁻²⁹
<i>CA9</i>	-6.66006	5.269014	1.17x10 ⁻³⁰	1.36x10 ⁻²⁹
<i>PNPLA7</i>	2.270187	2.899391	1.19x10 ⁻³⁰	1.38x10 ⁻²⁹
<i>SESN3</i>	-2.55594	4.330129	1.35x10 ⁻³⁰	1.57x10 ⁻²⁹
<i>CD55</i>	2.129007	8.41287	1.36x10 ⁻³⁰	1.57x10 ⁻²⁹
<i>CST1</i>	-7.43526	4.666741	1.64x10 ⁻³⁰	1.89x10 ⁻²⁹
<i>CCDC85A</i>	2.842302	3.684065	1.67x10 ⁻³⁰	1.92x10 ⁻²⁹
<i>SEMA4B</i>	-2.18813	7.719967	1.74x10 ⁻³⁰	1.99x10 ⁻²⁹
<i>SEMA3B</i>	2.836646	5.715042	1.80x10 ⁻³⁰	2.06x10 ⁻²⁹
<i>TNFRSF18</i>	-3.28305	3.064008	1.87x10 ⁻³⁰	2.14x10 ⁻²⁹
<i>DPEP2</i>	2.677623	3.651884	1.96x10 ⁻³⁰	2.24x10 ⁻²⁹
<i>TRIM16L</i>	-3.09305	4.696455	1.96x10 ⁻³⁰	2.24x10 ⁻²⁹
<i>CLCA4</i>	-7.01339	3.274565	2.24x10 ⁻³⁰	2.55x10 ⁻²⁹
<i>CD300C</i>	2.445557	3.053175	2.29x10 ⁻³⁰	2.60x10 ⁻²⁹
<i>FZD4</i>	2.028768	5.945218	2.38x10 ⁻³⁰	2.70x10 ⁻²⁹
<i>SOX9</i>	-2.4216	5.399081	2.40x10 ⁻³⁰	2.72x10 ⁻²⁹
<i>MDK</i>	-2.55175	7.078877	2.51x10 ⁻³⁰	2.84x10 ⁻²⁹
<i>SOD3</i>	2.261183	5.793601	2.86x10 ⁻³⁰	3.24x10 ⁻²⁹
<i>FGR</i>	2.244876	5.771696	2.95x10 ⁻³⁰	3.33x10 ⁻²⁹
<i>SLC4A3</i>	-2.51816	2.9007	2.96x10 ⁻³⁰	3.34x10 ⁻²⁹

<i>SGCA</i>	2.963708	3.253148	2.98x10 ⁻³⁰	3.37x10 ⁻²⁹
<i>SLC44A5</i>	-3.67608	2.708486	3.08x10 ⁻³⁰	3.48x10 ⁻²⁹
<i>MS4A2</i>	2.822057	3.34533	3.67x10 ⁻³⁰	4.11x10 ⁻²⁹
<i>NEDD9</i>	2.121994	8.048053	3.75x10 ⁻³⁰	4.20x10 ⁻²⁹
<i>AMICA1</i>	2.517831	5.45391	4.44x10 ⁻³⁰	4.96x10 ⁻²⁹
<i>RAB38</i>	-2.46075	4.549394	4.56x10 ⁻³⁰	5.09x10 ⁻²⁹
<i>LMOD1</i>	2.397371	5.433737	4.61x10 ⁻³⁰	5.14x10 ⁻²⁹
<i>FCN1</i>	2.985103	4.439279	5.19x10 ⁻³⁰	5.77x10 ⁻²⁹
<i>MSR1</i>	2.605548	7.374605	5.35x10 ⁻³⁰	5.94x10 ⁻²⁹
<i>GNA14</i>	2.587457	3.086428	5.44x10 ⁻³⁰	6.03x10 ⁻²⁹
<i>TMEM163</i>	2.440478	4.301404	5.63x10 ⁻³⁰	6.24x10 ⁻²⁹
<i>COLEC12</i>	2.211936	6.295489	6.26x10 ⁻³⁰	6.90x10 ⁻²⁹
<i>OGN</i>	3.873524	4.489428	7.03x10 ⁻³⁰	7.73x10 ⁻²⁹
<i>CASS4</i>	2.640882	3.674778	8.03x10 ⁻³⁰	8.80x10 ⁻²⁹
<i>MDF1</i>	-2.08092	4.667886	8.33x10 ⁻³⁰	9.13x10 ⁻²⁹
<i>SUSD4</i>	-2.80606	4.436286	8.51x10 ⁻³⁰	9.30x10 ⁻²⁹
<i>ALOX5</i>	2.42473	6.764884	9.68x10 ⁻³⁰	1.06x10 ⁻²⁸
<i>LRRN3</i>	3.26136	2.956065	1.32x10 ⁻²⁹	1.43x10 ⁻²⁸
<i>MS4A7</i>	2.461864	6.383386	1.41x10 ⁻²⁹	1.53x10 ⁻²⁸
<i>CADMI</i>	2.375007	7.045028	1.58x10 ⁻²⁹	1.70x10 ⁻²⁸
<i>MYCL1</i>	-2.27973	4.48842	1.63x10 ⁻²⁹	1.76x10 ⁻²⁸
<i>ABCA6</i>	2.40711	3.469273	1.66x10 ⁻²⁹	1.79x10 ⁻²⁸
<i>ANKRD22</i>	-2.482	3.793115	1.72x10 ⁻²⁹	1.85x10 ⁻²⁸
<i>BDH1</i>	-2.26574	4.59901	1.80x10 ⁻²⁹	1.93x10 ⁻²⁸
<i>HOXB13</i>	-9.88299	2.938349	2.02x10 ⁻²⁹	2.16x10 ⁻²⁸
<i>SPPI</i>	-4.12614	8.757229	2.05x10 ⁻²⁹	2.19x10 ⁻²⁸
<i>CTHRC1</i>	-3.24847	5.653562	2.10x10 ⁻²⁹	2.25x10 ⁻²⁸
<i>CLDN18</i>	5.344554	8.855471	2.24x10 ⁻²⁹	2.39x10 ⁻²⁸
<i>C2</i>	2.034225	7.628255	3.16x10 ⁻²⁹	3.34x10 ⁻²⁸

<i>PLOD2</i>	-2.08483	6.48379	3.30x10 ⁻²⁹	3.49x10 ⁻²⁸
<i>SIX4</i>	-2.33614	3.717476	4.12x10 ⁻²⁹	4.34x10 ⁻²⁸
<i>NCKAP5</i>	2.655396	4.988126	4.12x10 ⁻²⁹	4.34x10 ⁻²⁸
<i>NR2F1</i>	2.073005	4.607473	4.36x10 ⁻²⁹	4.58x10 ⁻²⁸
<i>CD33</i>	2.094517	3.299461	4.51x10 ⁻²⁹	4.73x10 ⁻²⁸
<i>COCH</i>	-4.04289	3.622735	5.72x10 ⁻²⁹	5.98x10 ⁻²⁸
<i>ITGA9</i>	2.220143	3.911781	6.51x10 ⁻²⁹	6.79x10 ⁻²⁸
<i>ITM2A</i>	2.268906	5.235232	7.10x10 ⁻²⁹	7.38x10 ⁻²⁸
<i>DENND2A</i>	2.272845	4.297817	7.60x10 ⁻²⁹	7.88x10 ⁻²⁸
<i>TGFA</i>	-2.23957	5.508221	8.50x10 ⁻²⁹	8.78x10 ⁻²⁸
<i>GJA4</i>	2.017024	4.109165	9.94x10 ⁻²⁹	1.02x10 ⁻²⁷
<i>HOXB7</i>	-2.57232	3.14548	1.03x10 ⁻²⁸	1.05x10 ⁻²⁷
<i>NEFL</i>	-6.49113	4.346021	1.04x10 ⁻²⁸	1.07x10 ⁻²⁷
<i>PNMA2</i>	2.269145	4.074206	1.06x10 ⁻²⁸	1.08x10 ⁻²⁷
<i>FPR2</i>	3.341162	4.014411	1.28x10 ⁻²⁸	1.31x10 ⁻²⁷
<i>SNAI2</i>	-2.09586	5.140131	1.29x10 ⁻²⁸	1.31x10 ⁻²⁷
<i>SPRR1A</i>	-7.95515	6.414437	1.45x10 ⁻²⁸	1.47x10 ⁻²⁷
<i>AATK</i>	2.695275	4.301243	1.58x10 ⁻²⁸	1.60x10 ⁻²⁷
<i>NR5A2</i>	2.235178	2.568986	1.61x10 ⁻²⁸	1.63x10 ⁻²⁷
<i>CD300LG</i>	5.049084	3.102864	1.68x10 ⁻²⁸	1.70x10 ⁻²⁷
<i>MAGEA6</i>	-9.25304	3.717172	1.79x10 ⁻²⁸	1.80x10 ⁻²⁷
<i>CD101</i>	2.313168	3.715291	1.95x10 ⁻²⁸	1.97x10 ⁻²⁷
<i>GIMAP4</i>	2.008669	5.784473	2.12x10 ⁻²⁸	2.13x10 ⁻²⁷
<i>SIRPB1</i>	2.158251	4.647959	2.22x10 ⁻²⁸	2.23x10 ⁻²⁷
<i>IL1RL1</i>	4.448162	4.98289	2.26x10 ⁻²⁸	2.27x10 ⁻²⁷
<i>OSCAR</i>	2.401268	4.871508	2.42x10 ⁻²⁸	2.42x10 ⁻²⁷
<i>NRIP3</i>	-2.08795	2.623766	2.57x10 ⁻²⁸	2.57x10 ⁻²⁷
<i>SIX2</i>	-4.40799	3.205907	2.61x10 ⁻²⁸	2.60x10 ⁻²⁷
<i>PRDM16</i>	2.764764	3.604259	2.72x10 ⁻²⁸	2.71x10 ⁻²⁷

<i>LAMA1</i>	-4.29033	4.521037	3.36x10 ⁻²⁸	3.33x10 ⁻²⁷
<i>G RTP1</i>	-2.53651	3.614239	3.79x10 ⁻²⁸	3.74x10 ⁻²⁷
<i>ITGA6</i>	-2.06707	8.322272	3.85x10 ⁻²⁸	3.80x10 ⁻²⁷
<i>HBA1</i>	5.041437	6.773263	4.47x10 ⁻²⁸	4.40x10 ⁻²⁷
<i>UPK3B</i>	3.979139	6.227469	4.66x10 ⁻²⁸	4.58x10 ⁻²⁷
<i>HPGDS</i>	2.529144	2.674818	5.21x10 ⁻²⁸	5.11x10 ⁻²⁷
<i>ACADL</i>	3.557684	3.465719	5.48x10 ⁻²⁸	5.37x10 ⁻²⁷
<i>CNTN6</i>	4.942522	2.811398	5.71x10 ⁻²⁸	5.59x10 ⁻²⁷
<i>LTB4R</i>	-2.30194	4.517341	5.96x10 ⁻²⁸	5.82x10 ⁻²⁷
<i>EYA2</i>	-3.3685	4.785401	6.09x10 ⁻²⁸	5.95x10 ⁻²⁷
<i>C19orf59</i>	4.276784	6.253058	6.56x10 ⁻²⁸	6.38x10 ⁻²⁷
<i>MFAP2</i>	-2.22582	5.498998	7.53x10 ⁻²⁸	7.32x10 ⁻²⁷
<i>ITLN1</i>	8.140251	5.679202	9.09x10 ⁻²⁸	8.79x10 ⁻²⁷
<i>LOC723809</i>	4.146121	2.516998	9.66x10 ⁻²⁸	9.31x10 ⁻²⁷
<i>SMOX</i>	-2.09321	4.038609	9.68x10 ⁻²⁸	9.33x10 ⁻²⁷
<i>CLDN1</i>	-3.37424	8.737704	9.69x10 ⁻²⁸	9.33x10 ⁻²⁷
<i>RASGRP2</i>	2.514406	3.412899	1.00x10 ⁻²⁷	9.62x10 ⁻²⁷
<i>PAX9</i>	-3.29623	3.541089	1.12x10 ⁻²⁷	1.08x10 ⁻²⁶
<i>SELP</i>	2.888886	4.496954	1.16x10 ⁻²⁷	1.11x10 ⁻²⁶
<i>ANGPT1</i>	2.594961	5.097823	1.19x10 ⁻²⁷	1.14x10 ⁻²⁶
<i>ESPN</i>	-3.28701	3.499804	1.50x10 ⁻²⁷	1.43x10 ⁻²⁶
<i>IGFL1</i>	-9.46532	4.014163	1.52x10 ⁻²⁷	1.45x10 ⁻²⁶
<i>ULBP2</i>	-2.659	3.025698	1.56x10 ⁻²⁷	1.48x10 ⁻²⁶
<i>KRT10</i>	-2.54384	5.564443	2.14x10 ⁻²⁷	2.02x10 ⁻²⁶
<i>IL22RA1</i>	-2.48273	2.517949	2.39x10 ⁻²⁷	2.25x10 ⁻²⁶
<i>NRCAM</i>	-2.75466	4.808397	2.44x10 ⁻²⁷	2.29x10 ⁻²⁶
<i>AMTN</i>	-9.7454	3.738497	2.58x10 ⁻²⁷	2.43x10 ⁻²⁶
<i>TBX2</i>	2.025795	5.829264	2.84x10 ⁻²⁷	2.66x10 ⁻²⁶
<i>TRPV4</i>	-2.05053	4.331824	2.89x10 ⁻²⁷	2.70x10 ⁻²⁶

<i>BTK</i>	2.083743	4.534658	3.90x10 ⁻²⁷	3.61x10 ⁻²⁶
<i>FILIP1</i>	2.192606	4.135824	4.54x10 ⁻²⁷	4.18x10 ⁻²⁶
<i>SIPR5</i>	-2.55867	3.503816	4.56x10 ⁻²⁷	4.20x10 ⁻²⁶
<i>CEL</i>	-4.56878	3.578204	4.78x10 ⁻²⁷	4.40x10 ⁻²⁶
<i>SVEP1</i>	2.202904	6.17894	4.90x10 ⁻²⁷	4.50x10 ⁻²⁶
<i>ADRB1</i>	3.374196	3.886966	5.24x10 ⁻²⁷	4.80x10 ⁻²⁶
<i>IGFBP3</i>	-2.80099	8.413598	5.24x10 ⁻²⁷	4.80x10 ⁻²⁶
<i>PTPRN2</i>	2.258405	3.918732	5.53x10 ⁻²⁷	5.06x10 ⁻²⁶
<i>ADH1B</i>	4.584596	8.161172	5.71x10 ⁻²⁷	5.21x10 ⁻²⁶
<i>EPHB2</i>	-2.26034	4.652298	6.24x10 ⁻²⁷	5.69x10 ⁻²⁶
<i>ZP3</i>	-2.14274	3.128122	6.68x10 ⁻²⁷	6.06x10 ⁻²⁶
<i>CSF3R</i>	2.384596	6.082781	6.79x10 ⁻²⁷	6.16x10 ⁻²⁶
<i>ADM2</i>	-2.53518	2.745198	6.96x10 ⁻²⁷	6.30x10 ⁻²⁶
<i>LTB4R2</i>	-2.25191	2.529327	7.02x10 ⁻²⁷	6.35x10 ⁻²⁶
<i>RASGRF1</i>	3.477514	5.102632	7.04x10 ⁻²⁷	6.36x10 ⁻²⁶
<i>CYP26A1</i>	-6.37502	2.734085	7.55x10 ⁻²⁷	6.82x10 ⁻²⁶
<i>VSIG4</i>	2.680805	7.184271	7.59x10 ⁻²⁷	6.85x10 ⁻²⁶
<i>ABI3BP</i>	2.866583	6.544194	7.97x10 ⁻²⁷	7.18x10 ⁻²⁶
<i>COL4A3</i>	3.708403	4.755041	8.11x10 ⁻²⁷	7.29x10 ⁻²⁶
<i>IGFBP2</i>	-3.03287	8.22275	8.84x10 ⁻²⁷	7.95x10 ⁻²⁶
<i>LST1</i>	2.159442	4.412936	9.67x10 ⁻²⁷	8.66x10 ⁻²⁶
<i>ARHGAP29</i>	2.096908	6.340307	1.12x10 ⁻²⁶	1.00x10 ⁻²⁵
<i>SPRR3</i>	-8.13285	6.926051	1.20x10 ⁻²⁶	1.07x10 ⁻²⁵
<i>CCDC141</i>	3.458231	2.719767	1.21x10 ⁻²⁶	1.08x10 ⁻²⁵
<i>CA12</i>	-3.35813	6.706184	1.22x10 ⁻²⁶	1.09x10 ⁻²⁵
<i>NR3C2</i>	2.406697	4.234853	1.25x10 ⁻²⁶	1.12x10 ⁻²⁵
<i>ZNF703</i>	-2.09683	3.598292	1.36x10 ⁻²⁶	1.20x10 ⁻²⁵
<i>SLC4A11</i>	-2.57683	3.529181	1.36x10 ⁻²⁶	1.21x10 ⁻²⁵
<i>CLEC12A</i>	2.518276	3.182333	1.53x10 ⁻²⁶	1.35x10 ⁻²⁵

<i>CPB2</i>	5.111853	4.02153	1.57x10 ⁻²⁶	1.39x10 ⁻²⁵
<i>PPAP2C</i>	-2.24651	5.370235	1.61x10 ⁻²⁶	1.42x10 ⁻²⁵
<i>ST6GALNAC5</i>	2.20386	3.995827	1.91x10 ⁻²⁶	1.67x10 ⁻²⁵
<i>NGEF</i>	-3.34343	2.573436	1.96x10 ⁻²⁶	1.72x10 ⁻²⁵
<i>COL4A6</i>	-3.64642	4.665983	2.06x10 ⁻²⁶	1.81x10 ⁻²⁵
<i>STEAP4</i>	3.16361	7.606158	2.16x10 ⁻²⁶	1.89x10 ⁻²⁵
<i>GIMAP1</i>	2.143514	3.392654	2.19x10 ⁻²⁶	1.91x10 ⁻²⁵
<i>RPL3L</i>	-6.0832	-2.61285	2.32x10 ⁻²⁶	2.02x10 ⁻²⁵
<i>LRRK2</i>	3.214994	7.803835	2.44x10 ⁻²⁶	2.12x10 ⁻²⁵
<i>PLA2G1B</i>	4.783924	3.08499	2.56x10 ⁻²⁶	2.22x10 ⁻²⁵
<i>SSTR1</i>	3.636239	3.344624	2.90x10 ⁻²⁶	2.51x10 ⁻²⁵
<i>SERPINB7</i>	-5.08039	2.915585	3.07x10 ⁻²⁶	2.65x10 ⁻²⁵
<i>SPRR2E</i>	-7.88341	5.749141	3.09x10 ⁻²⁶	2.67x10 ⁻²⁵
<i>EIF5A2</i>	-2.08351	3.95946	3.18x10 ⁻²⁶	2.74x10 ⁻²⁵
<i>SLC29A4</i>	-2.43081	2.861267	3.33x10 ⁻²⁶	2.87x10 ⁻²⁵
<i>ALOX5AP</i>	2.424772	6.642368	3.57x10 ⁻²⁶	3.07x10 ⁻²⁵
<i>PRUNE2</i>	2.14421	3.739676	3.70x10 ⁻²⁶	3.17x10 ⁻²⁵
<i>PREX2</i>	3.045014	2.620358	4.60x10 ⁻²⁶	3.93x10 ⁻²⁵
<i>PDE2A</i>	2.41016	3.914909	5.05x10 ⁻²⁶	4.30x10 ⁻²⁵
<i>SERPINB4</i>	-6.42207	4.549882	5.29x10 ⁻²⁶	4.49x10 ⁻²⁵
<i>ADAM12</i>	-3.24279	5.169823	6.14x10 ⁻²⁶	5.20x10 ⁻²⁵
<i>SIPR4</i>	2.335397	3.415032	6.22x10 ⁻²⁶	5.26x10 ⁻²⁵
<i>CD300LF</i>	2.420378	4.108342	6.69x10 ⁻²⁶	5.63x10 ⁻²⁵
<i>NRGN</i>	2.697003	5.384995	7.31x10 ⁻²⁶	6.14x10 ⁻²⁵
<i>DOK2</i>	2.206563	5.144191	8.49x10 ⁻²⁶	7.09x10 ⁻²⁵
<i>FAM167A</i>	2.507478	4.584212	8.67x10 ⁻²⁶	7.24x10 ⁻²⁵
<i>FIGF</i>	4.209804	4.970308	8.77x10 ⁻²⁶	7.32x10 ⁻²⁵
<i>MGP</i>	2.192034	8.176752	9.26x10 ⁻²⁶	7.71x10 ⁻²⁵
<i>WNT7B</i>	-2.09124	5.818688	9.45x10 ⁻²⁶	7.86x10 ⁻²⁵

<i>MAGEA3</i>	-9.21366	3.189832	1.03x10 ⁻²⁵	8.54x10 ⁻²⁵
<i>TRIM7</i>	-2.93047	2.880989	1.04x10 ⁻²⁵	8.57x10 ⁻²⁵
<i>CYP27A1</i>	2.146728	6.957668	1.05x10 ⁻²⁵	8.73x10 ⁻²⁵
<i>SPARCL1</i>	2.067567	9.009382	1.06x10 ⁻²⁵	8.74x10 ⁻²⁵
<i>MNDA</i>	2.08309	5.064771	1.10x10 ⁻²⁵	9.08x10 ⁻²⁵
<i>KRT19</i>	-2.10433	9.816249	1.11x10 ⁻²⁵	9.15x10 ⁻²⁵
<i>CACNA1D</i>	2.955423	3.26372	1.12x10 ⁻²⁵	9.21x10 ⁻²⁵
<i>KIF26B</i>	-2.63497	3.855494	1.16x10 ⁻²⁵	9.52x10 ⁻²⁵
<i>ADAM23</i>	-4.72094	4.916898	1.18x10 ⁻²⁵	9.68x10 ⁻²⁵
<i>BTNL9</i>	3.466321	4.959543	1.20x10 ⁻²⁵	9.83x10 ⁻²⁵
<i>EEF1A2</i>	-4.89739	3.118557	1.25x10 ⁻²⁵	1.03x10 ⁻²⁴
<i>STRA6</i>	-3.95404	3.057888	1.37x10 ⁻²⁵	1.12x10 ⁻²⁴
<i>PLCH2</i>	-3.04197	3.873353	1.44x10 ⁻²⁵	1.18x10 ⁻²⁴
<i>LRRC15</i>	-3.48505	5.178055	1.80x10 ⁻²⁵	1.46x10 ⁻²⁴
<i>PII6</i>	4.183205	2.589766	1.99x10 ⁻²⁵	1.61x10 ⁻²⁴
<i>LRP8</i>	-2.08956	3.981269	2.07x10 ⁻²⁵	1.68x10 ⁻²⁴
<i>MAGEA5</i>	-5.19041	-2.86105	2.25x10 ⁻²⁵	1.82x10 ⁻²⁴
<i>ABCA3</i>	3.294232	9.19789	2.35x10 ⁻²⁵	1.90x10 ⁻²⁴
<i>FOLR1</i>	3.780332	6.938429	2.42x10 ⁻²⁵	1.96x10 ⁻²⁴
<i>LONRF3</i>	2.72288	2.700601	3.39x10 ⁻²⁵	2.72x10 ⁻²⁴
<i>PDE4C</i>	2.686129	2.70335	3.55x10 ⁻²⁵	2.85x10 ⁻²⁴
<i>AFF3</i>	2.928951	4.19953	3.65x10 ⁻²⁵	2.92x10 ⁻²⁴
<i>BASPI1</i>	-2.06093	6.152867	3.68x10 ⁻²⁵	2.95x10 ⁻²⁴
<i>AKR1C1</i>	-4.18888	8.542837	4.25x10 ⁻²⁵	3.39x10 ⁻²⁴
<i>MLPH</i>	2.726696	6.687546	4.38x10 ⁻²⁵	3.49x10 ⁻²⁴
<i>PTGES</i>	-2.64867	4.972827	4.42x10 ⁻²⁵	3.53x10 ⁻²⁴
<i>C17orf91</i>	2.010957	4.357281	4.88x10 ⁻²⁵	3.88x10 ⁻²⁴
<i>STAC</i>	2.818966	4.027865	6.54x10 ⁻²⁵	5.17x10 ⁻²⁴
<i>KAL1</i>	2.322816	6.711889	6.69x10 ⁻²⁵	5.28x10 ⁻²⁴

<i>DUSP1</i>	2.348128	9.304717	7.72x10 ⁻²⁵	6.07x10 ⁻²⁴
<i>LOC648691</i>	-6.39944	-2.79341	7.93x10 ⁻²⁵	6.23x10 ⁻²⁴
<i>FUT2</i>	-2.59759	3.368325	8.80x10 ⁻²⁵	6.90x10 ⁻²⁴
<i>KLHL13</i>	-2.52496	3.655127	8.85x10 ⁻²⁵	6.93x10 ⁻²⁴
<i>PRAMI</i>	2.63059	3.576635	9.61x10 ⁻²⁵	7.50x10 ⁻²⁴
<i>PLA2G4F</i>	2.542753	5.194942	9.98x10 ⁻²⁵	7.78x10 ⁻²⁴
<i>POF1B</i>	-3.33785	4.562571	1.17x10 ⁻²⁴	9.12x10 ⁻²⁴
<i>KRTDAP</i>	-8.41127	3.883752	1.33x10 ⁻²⁴	1.03x10 ⁻²³
<i>VSIG2</i>	3.627072	4.889665	1.33x10 ⁻²⁴	1.03x10 ⁻²³
<i>ILIF9</i>	-7.06138	2.934637	1.38x10 ⁻²⁴	1.07x10 ⁻²³
<i>GPD1</i>	4.114744	5.097945	1.63x10 ⁻²⁴	1.25x10 ⁻²³
<i>PGR</i>	2.364801	2.573864	1.70x10 ⁻²⁴	1.31x10 ⁻²³
<i>ATP6VIC2</i>	-2.35716	2.732233	2.16x10 ⁻²⁴	1.65x10 ⁻²³
<i>ITLN2</i>	4.408438	3.628887	2.30x10 ⁻²⁴	1.76x10 ⁻²³
<i>ABLIM3</i>	2.06796	4.955475	2.59x10 ⁻²⁴	1.97x10 ⁻²³
<i>KCNA3</i>	2.594081	3.070002	2.79x10 ⁻²⁴	2.12x10 ⁻²³
<i>CD109</i>	-2.00369	6.692094	2.95x10 ⁻²⁴	2.24x10 ⁻²³
<i>HOPX</i>	2.582361	7.742939	3.16x10 ⁻²⁴	2.39x10 ⁻²³
<i>HS6ST2</i>	-2.85113	3.766116	3.68x10 ⁻²⁴	2.78x10 ⁻²³
<i>TNFSF12-TNFSF13</i>	2.103856	4.64567	4.00x10 ⁻²⁴	3.01x10 ⁻²³
<i>PHYHD1</i>	2.091766	3.983521	4.12x10 ⁻²⁴	3.10x10 ⁻²³
<i>SERPINB2</i>	-4.84628	4.895288	4.46x10 ⁻²⁴	3.35x10 ⁻²³
<i>CPM</i>	2.29099	7.268948	5.43x10 ⁻²⁴	4.07x10 ⁻²³
<i>CYP2B7P1</i>	3.989939	6.344969	5.82x10 ⁻²⁴	4.35x10 ⁻²³
<i>NIPAL4</i>	-4.83632	3.627907	6.12x10 ⁻²⁴	4.58x10 ⁻²³
<i>C7</i>	3.302092	7.920522	7.65x10 ⁻²⁴	5.68x10 ⁻²³
<i>PANX2</i>	-2.56976	3.425646	8.14x10 ⁻²⁴	6.04x10 ⁻²³
<i>GREM1</i>	-3.90662	5.69597	9.18x10 ⁻²⁴	6.80x10 ⁻²³
<i>CXCL14</i>	-3.9533	6.507669	9.92x10 ⁻²⁴	7.32x10 ⁻²³

<i>LRRN4</i>	3.640342	4.151254	1.09x10 ⁻²³	8.01x10 ⁻²³
<i>PPP1R16B</i>	2.05741	4.725704	1.11x10 ⁻²³	8.16x10 ⁻²³
<i>DSG1</i>	-6.90091	3.798678	1.15x10 ⁻²³	8.43x10 ⁻²³
<i>NDRG1</i>	-2.10638	10.06687	1.16x10 ⁻²³	8.53x10 ⁻²³
<i>SFN</i>	-2.72391	8.843507	1.18x10 ⁻²³	8.66x10 ⁻²³
<i>BANK1</i>	2.322549	3.752252	1.19x10 ⁻²³	8.69x10 ⁻²³
<i>SLIT2</i>	2.072426	5.754508	1.24x10 ⁻²³	9.07x10 ⁻²³
<i>PIGR</i>	3.579811	8.868873	1.24x10 ⁻²³	9.07x10 ⁻²³
<i>FABP7</i>	-9.94767	4.789108	1.41x10 ⁻²³	1.03x10 ⁻²²
<i>FHOD3</i>	-2.90021	4.318565	1.42x10 ⁻²³	1.04x10 ⁻²²
<i>GADD45B</i>	2.359008	7.185865	1.59x10 ⁻²³	1.16x10 ⁻²²
<i>PRG1</i>	-5.09336	-2.94481	1.81x10 ⁻²³	1.31x10 ⁻²²
<i>Cl6orf89</i>	3.7778	6.925837	1.84x10 ⁻²³	1.33x10 ⁻²²
<i>HHIP</i>	3.717222	4.807433	2.09x10 ⁻²³	1.51x10 ⁻²²
<i>TLR8</i>	2.211304	3.927721	2.22x10 ⁻²³	1.60x10 ⁻²²
<i>SYT7</i>	-2.07163	3.916992	2.31x10 ⁻²³	1.66x10 ⁻²²
<i>PNMA5</i>	-8.29693	3.343904	2.55x10 ⁻²³	1.83x10 ⁻²²
<i>CBR3</i>	-2.35545	3.745891	2.70x10 ⁻²³	1.93x10 ⁻²²
<i>SLC34A2</i>	3.565876	10.74175	2.96x10 ⁻²³	2.11x10 ⁻²²
<i>SLC6A4</i>	5.045427	6.285097	3.04x10 ⁻²³	2.16x10 ⁻²²
<i>NEGR1</i>	2.179147	3.197243	3.28x10 ⁻²³	2.33x10 ⁻²²
<i>CAVI</i>	2.462342	9.614883	3.76x10 ⁻²³	2.66x10 ⁻²²
<i>TNFRSF10C</i>	2.059376	2.763599	4.30x10 ⁻²³	3.03x10 ⁻²²
<i>FGFBP1</i>	-3.34401	5.938371	4.63x10 ⁻²³	3.25x10 ⁻²²
<i>CCDC68</i>	2.245944	3.801927	4.67x10 ⁻²³	3.28x10 ⁻²²
<i>MARCO</i>	3.241039	7.715469	4.93x10 ⁻²³	3.45x10 ⁻²²
<i>APLN</i>	2.642532	5.211691	5.03x10 ⁻²³	3.52x10 ⁻²²
<i>C2CD4A</i>	-3.702	3.180808	5.68x10 ⁻²³	3.96x10 ⁻²²
<i>LOC730101</i>	-2.56474	3.66738	5.73x10 ⁻²³	4.00x10 ⁻²²

<i>BMP8A</i>	-2.20773	3.05402	6.36x10 ⁻²³	4.42x10 ⁻²²
<i>LIPK</i>	-6.37732	-2.70623	6.51x10 ⁻²³	4.53x10 ⁻²²
<i>EDN1</i>	2.248716	5.84952	6.56x10 ⁻²³	4.56x10 ⁻²²
<i>FETUB</i>	-9.36649	2.669743	6.71x10 ⁻²³	4.66x10 ⁻²²
<i>PPIL6</i>	2.30054	2.824898	7.00x10 ⁻²³	4.85x10 ⁻²²
<i>NTN4</i>	2.055368	6.586381	7.35x10 ⁻²³	5.09x10 ⁻²²
<i>FPR1</i>	2.36557	5.32838	8.20x10 ⁻²³	5.66x10 ⁻²²
<i>KIAA0408</i>	4.743102	3.901186	9.44x10 ⁻²³	6.51x10 ⁻²²
<i>GNG7</i>	2.02195	3.303338	9.50x10 ⁻²³	6.54x10 ⁻²²
<i>RBP1</i>	-2.51836	6.0397	9.85x10 ⁻²³	6.78x10 ⁻²²
<i>ATP1A2</i>	3.388945	2.788723	1.03x10 ⁻²²	7.07x10 ⁻²²
<i>RPTN</i>	-8.78592	2.787525	1.05x10 ⁻²²	7.21x10 ⁻²²
<i>CA3</i>	3.249665	2.874359	1.07x10 ⁻²²	7.35x10 ⁻²²
<i>ANK2</i>	2.019627	4.085017	1.11x10 ⁻²²	7.57x10 ⁻²²
<i>LYPD6B</i>	-2.62415	2.562259	1.12x10 ⁻²²	7.66x10 ⁻²²
<i>AQP4</i>	3.94346	8.279938	1.15x10 ⁻²²	7.84x10 ⁻²²
<i>COL4A4</i>	2.68641	5.052335	1.22x10 ⁻²²	8.31x10 ⁻²²
<i>NDUFA4L2</i>	-2.4072	6.681973	1.32x10 ⁻²²	8.95x10 ⁻²²
<i>CYP4B1</i>	4.138746	8.169199	1.40x10 ⁻²²	9.53x10 ⁻²²
<i>GKN2</i>	4.914013	4.646499	1.44x10 ⁻²²	9.79x10 ⁻²²
<i>SBSN</i>	-6.88009	4.931547	1.52x10 ⁻²²	1.03x10 ⁻²¹
<i>FZD10</i>	-3.6275	3.90722	1.57x10 ⁻²²	1.06x10 ⁻²¹
<i>DNASE1L3</i>	3.035319	3.714738	1.92x10 ⁻²²	1.30x10 ⁻²¹
<i>ADAMTSL3</i>	2.66155	4.403881	2.13x10 ⁻²²	1.43x10 ⁻²¹
<i>KRT80</i>	-2.28166	5.344485	2.42x10 ⁻²²	1.62x10 ⁻²¹
<i>GDF10</i>	3.65504	3.980027	2.78x10 ⁻²²	1.87x10 ⁻²¹
<i>KLK8</i>	-6.31169	2.625813	2.98x10 ⁻²²	1.99x10 ⁻²¹
<i>LY86</i>	2.030645	3.933582	3.17x10 ⁻²²	2.11x10 ⁻²¹
<i>BMP5</i>	2.791438	3.125308	3.28x10 ⁻²²	2.19x10 ⁻²¹

<i>ZFP36</i>	2.248011	9.46353	3.60x10 ⁻²²	2.40x10 ⁻²¹
<i>CRIP1</i>	2.126912	7.070641	4.01x10 ⁻²²	2.66x10 ⁻²¹
<i>C1orf68</i>	-6.76984	-2.54886	4.61x10 ⁻²²	3.05x10 ⁻²¹
<i>TMEM184A</i>	-2.36178	4.129255	4.71x10 ⁻²²	3.11x10 ⁻²¹
<i>CYP2S1</i>	-2.45127	6.186947	4.91x10 ⁻²²	3.24x10 ⁻²¹
<i>FAM184A</i>	2.476108	3.602019	5.10x10 ⁻²²	3.36x10 ⁻²¹
<i>KMO</i>	2.185625	2.99062	5.89x10 ⁻²²	3.88x10 ⁻²¹
<i>LOC149620</i>	5.840191	2.84809	5.96x10 ⁻²²	3.92x10 ⁻²¹
<i>CHRD1</i>	3.09315	6.000346	6.21x10 ⁻²²	4.08x10 ⁻²¹
<i>ITGA10</i>	2.239013	2.591894	6.30x10 ⁻²²	4.13x10 ⁻²¹
<i>TMEM45A</i>	-2.31087	5.573737	7.53x10 ⁻²²	4.91x10 ⁻²¹
<i>C10orf116</i>	2.37778	6.464588	7.97x10 ⁻²²	5.19x10 ⁻²¹
<i>NXP3</i>	2.322459	3.062486	8.40x10 ⁻²²	5.46x10 ⁻²¹
<i>ZBTB16</i>	3.826241	3.668463	8.53x10 ⁻²²	5.55x10 ⁻²¹
<i>WSCD1</i>	2.705046	2.65609	8.56x10 ⁻²²	5.56x10 ⁻²¹
<i>BAI2</i>	-2.62474	3.073121	8.62x10 ⁻²²	5.59x10 ⁻²¹
<i>SRXN1</i>	-2.69007	7.461584	8.70x10 ⁻²²	5.64x10 ⁻²¹
<i>ARC</i>	3.138954	2.580157	8.77x10 ⁻²²	5.68x10 ⁻²¹
<i>MYBPC1</i>	-9.39603	3.472081	9.06x10 ⁻²²	5.86x10 ⁻²¹
<i>LAMC2</i>	-2.46729	9.125169	9.74x10 ⁻²²	6.29x10 ⁻²¹
<i>KIAA1683</i>	2.594589	3.730563	1.02x10 ⁻²¹	6.59x10 ⁻²¹
<i>FABP4</i>	3.681555	6.118515	1.22x10 ⁻²¹	7.80x10 ⁻²¹
<i>GVIN1</i>	2.129864	3.476423	1.35x10 ⁻²¹	8.62x10 ⁻²¹
<i>CYP4F11</i>	-5.30272	5.306907	1.35x10 ⁻²¹	8.62x10 ⁻²¹
<i>COL5A2</i>	-2.40785	8.002611	1.37x10 ⁻²¹	8.72x10 ⁻²¹
<i>C6orf168</i>	-2.24947	3.487323	1.38x10 ⁻²¹	8.77x10 ⁻²¹
<i>PLEKHG4B</i>	-2.61881	3.631287	1.58x10 ⁻²¹	1.00x10 ⁻²⁰
<i>KLF15</i>	2.294202	3.478692	1.61x10 ⁻²¹	1.02x10 ⁻²⁰
<i>HIST1H2BO</i>	-3.44001	-2.63221	1.62x10 ⁻²¹	1.02x10 ⁻²⁰

<i>VTCN1</i>	-4.47765	4.199756	1.63x10 ⁻²¹	1.03x10 ⁻²⁰
<i>DEFB126</i>	-5.39244	-3.22293	1.72x10 ⁻²¹	1.09x10 ⁻²⁰
<i>FOXA2</i>	2.991587	4.432766	1.79x10 ⁻²¹	1.13x10 ⁻²⁰
<i>TPPP3</i>	2.561815	6.756104	2.02x10 ⁻²¹	1.27x10 ⁻²⁰
<i>MMP9</i>	-2.92108	6.918695	2.20x10 ⁻²¹	1.38x10 ⁻²⁰
<i>DARC</i>	3.146311	5.63649	2.27x10 ⁻²¹	1.42x10 ⁻²⁰
<i>ATP13A4</i>	2.904481	5.359795	2.29x10 ⁻²¹	1.44x10 ⁻²⁰
<i>CAPN3</i>	2.095285	3.494219	2.30x10 ⁻²¹	1.44x10 ⁻²⁰
<i>ZNF385B</i>	3.083235	4.529362	2.32x10 ⁻²¹	1.45x10 ⁻²⁰
<i>FJX1</i>	-2.10522	3.366722	2.41x10 ⁻²¹	1.51x10 ⁻²⁰
<i>CYP4F3</i>	-4.94569	4.243995	2.43x10 ⁻²¹	1.52x10 ⁻²⁰
<i>SULF2</i>	-2.09348	7.147299	2.78x10 ⁻²¹	1.73x10 ⁻²⁰
<i>LOC84740</i>	-4.40748	3.112612	3.17x10 ⁻²¹	1.96x10 ⁻²⁰
<i>TPSAB1</i>	2.173613	6.085924	3.43x10 ⁻²¹	2.11x10 ⁻²⁰
<i>ICAM4</i>	2.886833	4.020682	3.50x10 ⁻²¹	2.16x10 ⁻²⁰
<i>NTS</i>	-6.24088	7.393477	3.73x10 ⁻²¹	2.29x10 ⁻²⁰
<i>SLC11A1</i>	2.154904	6.202518	4.55x10 ⁻²¹	2.78x10 ⁻²⁰
<i>CD69</i>	2.282616	4.436878	4.57x10 ⁻²¹	2.79x10 ⁻²⁰
<i>ALPL</i>	2.389709	7.549539	4.62x10 ⁻²¹	2.82x10 ⁻²⁰
<i>LOC153328</i>	-4.92958	-2.73417	4.93x10 ⁻²¹	3.00x10 ⁻²⁰
<i>COBL</i>	2.389649	5.337231	5.09x10 ⁻²¹	3.09x10 ⁻²⁰
<i>ALDH1A2</i>	2.95541	4.01313	5.66x10 ⁻²¹	3.43x10 ⁻²⁰
<i>NPTX2</i>	-5.66732	5.794696	6.36x10 ⁻²¹	3.84x10 ⁻²⁰
<i>C13orf36</i>	4.474138	2.954025	6.47x10 ⁻²¹	3.91x10 ⁻²⁰
<i>LIFR</i>	2.106636	6.811365	6.65x10 ⁻²¹	4.01x10 ⁻²⁰
<i>WISP2</i>	2.66124	5.057695	6.73x10 ⁻²¹	4.06x10 ⁻²⁰
<i>DMRT2</i>	-3.19394	2.759192	6.85x10 ⁻²¹	4.13x10 ⁻²⁰
<i>CFTR</i>	2.96527	4.60328	7.58x10 ⁻²¹	4.55x10 ⁻²⁰
<i>DPCR1</i>	3.770882	2.792686	7.95x10 ⁻²¹	4.77x10 ⁻²⁰

<i>LPAR3</i>	-2.36714	2.629091	8.47x10 ⁻²¹	5.07x10 ⁻²⁰
<i>PEBP4</i>	4.228233	5.607485	9.03x10 ⁻²¹	5.40x10 ⁻²⁰
<i>SLC4A4</i>	2.597647	4.774582	1.01x10 ⁻²⁰	6.01x10 ⁻²⁰
<i>SFTPD</i>	3.718121	8.851584	1.02x10 ⁻²⁰	6.09x10 ⁻²⁰
<i>CHI3L2</i>	2.994428	5.582513	1.03x10 ⁻²⁰	6.11x10 ⁻²⁰
<i>PADI3</i>	-6.61717	3.542773	1.10x10 ⁻²⁰	6.56x10 ⁻²⁰
<i>FGF19</i>	-10.3221	3.159093	1.43x10 ⁻²⁰	8.46x10 ⁻²⁰
<i>PCDHAC2</i>	2.309083	2.760994	1.53x10 ⁻²⁰	8.99x10 ⁻²⁰
<i>SULF1</i>	-2.4755	7.409789	1.53x10 ⁻²⁰	9.01x10 ⁻²⁰
<i>DCDC2</i>	2.702303	2.816888	1.66x10 ⁻²⁰	9.74x10 ⁻²⁰
<i>CAPN9</i>	3.378429	2.826683	1.81x10 ⁻²⁰	1.06x10 ⁻¹⁹
<i>TREMI</i>	2.401063	5.580202	1.88x10 ⁻²⁰	1.10x10 ⁻¹⁹
<i>SFTPC</i>	5.246129	13.46245	1.92x10 ⁻²⁰	1.12x10 ⁻¹⁹
<i>UNC93A</i>	-6.10367	-2.55233	2.30x10 ⁻²⁰	1.33x10 ⁻¹⁹
<i>VSIG10L</i>	-2.89172	3.587135	2.43x10 ⁻²⁰	1.41x10 ⁻¹⁹
<i>STEAP1</i>	-2.03836	3.926508	2.75x10 ⁻²⁰	1.58x10 ⁻¹⁹
<i>CPA3</i>	2.29476	5.783478	2.95x10 ⁻²⁰	1.69x10 ⁻¹⁹
<i>AQPEP</i>	-6.32228	2.962148	3.14x10 ⁻²⁰	1.80x10 ⁻¹⁹
<i>CRTAC1</i>	3.109954	6.350125	3.28x10 ⁻²⁰	1.88x10 ⁻¹⁹
<i>UGT8</i>	-2.78001	2.783842	3.53x10 ⁻²⁰	2.02x10 ⁻¹⁹
<i>GCLM</i>	-2.15494	5.49557	3.86x10 ⁻²⁰	2.20x10 ⁻¹⁹
<i>MAMDC2</i>	2.815551	5.421635	5.11x10 ⁻²⁰	2.89x10 ⁻¹⁹
<i>NRARP</i>	-2.10101	4.935192	5.47x10 ⁻²⁰	3.09x10 ⁻¹⁹
<i>TUBB2B</i>	-3.80602	2.586356	1.09x10 ⁻¹⁹	6.01x10 ⁻¹⁹
<i>ITGA11</i>	-2.85753	4.915603	1.17x10 ⁻¹⁹	6.47x10 ⁻¹⁹
<i>APOLD1</i>	2.059852	5.791817	1.20x10 ⁻¹⁹	6.63x10 ⁻¹⁹
<i>SBK1</i>	-2.27835	3.856278	1.26x10 ⁻¹⁹	6.96x10 ⁻¹⁹
<i>MXRA5</i>	-2.3308	7.75508	1.32x10 ⁻¹⁹	7.23x10 ⁻¹⁹
<i>C10orf10</i>	2.192123	8.233694	1.35x10 ⁻¹⁹	7.41x10 ⁻¹⁹

<i>MAPK8IP2</i>	-2.29381	3.132721	1.36x10 ⁻¹⁹	7.48x10 ⁻¹⁹
<i>KRT23</i>	-3.98915	4.034002	1.83x10 ⁻¹⁹	9.97x10 ⁻¹⁹
<i>RAB17</i>	2.169388	4.230228	1.88x10 ⁻¹⁹	1.02x10 ⁻¹⁸
<i>CXCR1</i>	3.1548	2.912908	1.95x10 ⁻¹⁹	1.06x10 ⁻¹⁸
<i>CPS1</i>	-4.8038	4.933872	2.21x10 ⁻¹⁹	1.20x10 ⁻¹⁸
<i>SLC16A9</i>	-2.43054	3.072378	2.39x10 ⁻¹⁹	1.29x10 ⁻¹⁸
<i>TMPRSS2</i>	2.418412	6.739238	2.41x10 ⁻¹⁹	1.30x10 ⁻¹⁸
<i>3-Sep</i>	-2.45174	3.062562	2.52x10 ⁻¹⁹	1.36x10 ⁻¹⁸
<i>SERPINA1</i>	2.318915	9.815844	2.74x10 ⁻¹⁹	1.48x10 ⁻¹⁸
<i>SFTA3</i>	3.663933	6.444089	2.88x10 ⁻¹⁹	1.55x10 ⁻¹⁸
<i>B3GNT3</i>	-2.92531	3.286498	3.02x10 ⁻¹⁹	1.62x10 ⁻¹⁸
<i>GPRIN2</i>	2.357028	5.07002	3.68x10 ⁻¹⁹	1.96x10 ⁻¹⁸
<i>RORC</i>	2.597232	4.314337	3.78x10 ⁻¹⁹	2.01x10 ⁻¹⁸
<i>ARSH</i>	-4.65486	-3.18046	4.47x10 ⁻¹⁹	2.37x10 ⁻¹⁸
<i>C6orf15</i>	-8.15056	3.295344	4.69x10 ⁻¹⁹	2.48x10 ⁻¹⁸
<i>SLIT3</i>	2.271569	6.274334	4.77x10 ⁻¹⁹	2.52x10 ⁻¹⁸
<i>SV2A</i>	-2.14435	3.5062	5.46x10 ⁻¹⁹	2.87x10 ⁻¹⁸
<i>SORBS2</i>	2.104584	4.707261	6.52x10 ⁻¹⁹	3.40x10 ⁻¹⁸
<i>GGTLC2</i>	2.00422	2.677458	6.54x10 ⁻¹⁹	3.41x10 ⁻¹⁸
<i>AG2</i>	2.432453	6.230966	7.29x10 ⁻¹⁹	3.79x10 ⁻¹⁸
<i>NR4A1</i>	2.605463	8.60681	8.73x10 ⁻¹⁹	4.51x10 ⁻¹⁸
<i>PTGR1</i>	-2.11248	6.005652	9.42x10 ⁻¹⁹	4.85x10 ⁻¹⁸
<i>VCX</i>	-4.78613	-2.92335	1.01x10 ⁻¹⁸	5.20x10 ⁻¹⁸
<i>RASSF6</i>	-2.33114	3.655461	1.11x10 ⁻¹⁸	5.70x10 ⁻¹⁸
<i>SLCO4C1</i>	2.164177	4.40533	1.16x10 ⁻¹⁸	5.95x10 ⁻¹⁸
<i>RTBDN</i>	-4.62804	-2.75011	1.16x10 ⁻¹⁸	5.96x10 ⁻¹⁸
<i>RAB6B</i>	-2.73411	5.151072	1.23x10 ⁻¹⁸	6.27x10 ⁻¹⁸
<i>GRIA1</i>	3.554312	3.668205	1.32x10 ⁻¹⁸	6.70x10 ⁻¹⁸
<i>GPRC5A</i>	2.314	8.790102	1.32x10 ⁻¹⁸	6.72x10 ⁻¹⁸

<i>C6orf218</i>	-5.37446	-2.92174	1.39x10 ⁻¹⁸	7.08x10 ⁻¹⁸
<i>PIP5K1B</i>	2.288016	4.332463	1.51x10 ⁻¹⁸	7.65x10 ⁻¹⁸
<i>SOST</i>	-5.641	3.593046	1.75x10 ⁻¹⁸	8.84x10 ⁻¹⁸
<i>SYT1</i>	-2.36859	2.966582	1.79x10 ⁻¹⁸	9.01x10 ⁻¹⁸
<i>THBS2</i>	-2.51243	7.578953	1.81x10 ⁻¹⁸	9.15x10 ⁻¹⁸
<i>AQP9</i>	2.01924	4.997952	2.04x10 ⁻¹⁸	1.03x10 ⁻¹⁷
<i>CLIC3</i>	2.241413	4.91157	2.13x10 ⁻¹⁸	1.07x10 ⁻¹⁷
<i>PCDH7</i>	-2.29983	4.939558	2.17x10 ⁻¹⁸	1.09x10 ⁻¹⁷
<i>ICAM1</i>	2.237409	9.445223	3.31x10 ⁻¹⁸	1.63x10 ⁻¹⁷
<i>PCDP1</i>	3.004539	3.401792	4.00x10 ⁻¹⁸	1.97x10 ⁻¹⁷
<i>CDHR3</i>	3.342073	4.27294	4.36x10 ⁻¹⁸	2.14x10 ⁻¹⁷
<i>NKX2-1</i>	3.094458	5.892535	4.89x10 ⁻¹⁸	2.40x10 ⁻¹⁷
<i>PODNL1</i>	-2.16583	2.845112	5.06x10 ⁻¹⁸	2.48x10 ⁻¹⁷
<i>SEMA3E</i>	2.989403	3.119948	5.23x10 ⁻¹⁸	2.56x10 ⁻¹⁷
<i>FAP</i>	-2.04034	4.540459	5.88x10 ⁻¹⁸	2.87x10 ⁻¹⁷
<i>VNN2</i>	2.000856	3.131337	5.98x10 ⁻¹⁸	2.91x10 ⁻¹⁷
<i>NAPSA</i>	3.61066	10.13067	6.14x10 ⁻¹⁸	2.99x10 ⁻¹⁷
<i>FAM25B</i>	-6.16497	-2.83342	6.21x10 ⁻¹⁸	3.02x10 ⁻¹⁷
<i>CYP24A1</i>	-3.99212	3.260646	6.57x10 ⁻¹⁸	3.19x10 ⁻¹⁷
<i>MACROD2</i>	2.360917	4.834667	7.20x10 ⁻¹⁸	3.49x10 ⁻¹⁷
<i>SFTPA1</i>	4.059809	12.72736	7.47x10 ⁻¹⁸	3.61x10 ⁻¹⁷
<i>TNNT1</i>	-3.1445	3.541385	7.67x10 ⁻¹⁸	3.71x10 ⁻¹⁷
<i>CHIA</i>	4.078266	3.021495	7.73x10 ⁻¹⁸	3.73x10 ⁻¹⁷
<i>HK3</i>	2.041526	4.928551	7.76x10 ⁻¹⁸	3.75x10 ⁻¹⁷
<i>CDO1</i>	2.626679	2.79746	8.03x10 ⁻¹⁸	3.88x10 ⁻¹⁷
<i>F2RL3</i>	2.281839	3.565176	8.51x10 ⁻¹⁸	4.10x10 ⁻¹⁷
<i>TNC</i>	-2.23746	8.839133	9.27x10 ⁻¹⁸	4.46x10 ⁻¹⁷
<i>C11orf93</i>	-2.62997	2.887415	1.09x10 ⁻¹⁷	5.22x10 ⁻¹⁷
<i>SLC26A9</i>	2.811191	4.898422	1.36x10 ⁻¹⁷	6.45x10 ⁻¹⁷

<i>CILP2</i>	-2.86023	2.820523	1.41x10 ⁻¹⁷	6.70x10 ⁻¹⁷
<i>PKP2</i>	-2.47758	4.622475	1.46x10 ⁻¹⁷	6.90x10 ⁻¹⁷
<i>KLHDC7B</i>	-2.69008	3.272169	1.54x10 ⁻¹⁷	7.30x10 ⁻¹⁷
<i>MUCL1</i>	-6.06879	2.574393	1.57x10 ⁻¹⁷	7.39x10 ⁻¹⁷
<i>TCHHL1</i>	-5.96675	-2.86065	1.64x10 ⁻¹⁷	7.73x10 ⁻¹⁷
<i>LOXL2</i>	-2.10551	5.979292	1.65x10 ⁻¹⁷	7.77x10 ⁻¹⁷
<i>CNTNAP5</i>	-6.27461	-2.54287	1.69x10 ⁻¹⁷	7.95x10 ⁻¹⁷
<i>LGI3</i>	3.154306	5.493771	1.73x10 ⁻¹⁷	8.12x10 ⁻¹⁷
<i>FOLH1</i>	-2.32152	2.727568	1.85x10 ⁻¹⁷	8.69x10 ⁻¹⁷
<i>MRAP2</i>	-3.20236	3.187352	1.98x10 ⁻¹⁷	9.27x10 ⁻¹⁷
<i>DNAH17</i>	-2.59378	3.516638	2.03x10 ⁻¹⁷	9.49x10 ⁻¹⁷
<i>PRG4</i>	4.302874	5.965827	2.04x10 ⁻¹⁷	9.55x10 ⁻¹⁷
<i>CXCR2</i>	2.472751	3.216407	2.07x10 ⁻¹⁷	9.70x10 ⁻¹⁷
<i>TP73</i>	-2.58214	3.532097	2.10x10 ⁻¹⁷	9.83x10 ⁻¹⁷
<i>PGBD5</i>	-2.17523	3.983543	2.14x10 ⁻¹⁷	9.98x10 ⁻¹⁷
<i>KRT83</i>	-5.17235	-2.56836	2.21x10 ⁻¹⁷	1.03x10 ⁻¹⁶
<i>HES6</i>	-2.51293	3.198998	2.27x10 ⁻¹⁷	1.06x10 ⁻¹⁶
<i>TMEM20</i>	-2.05774	3.57249	2.28x10 ⁻¹⁷	1.06x10 ⁻¹⁶
<i>DEFA4</i>	4.421535	-3.111	2.44x10 ⁻¹⁷	1.13x10 ⁻¹⁶
<i>CPAMD8</i>	2.470907	5.554573	2.90x10 ⁻¹⁷	1.34x10 ⁻¹⁶
<i>EGFR</i>	-2.1871	7.26955	3.28x10 ⁻¹⁷	1.51x10 ⁻¹⁶
<i>Clorf88</i>	2.749014	4.119736	3.51x10 ⁻¹⁷	1.61x10 ⁻¹⁶
<i>ERBB4</i>	2.696003	2.601325	3.79x10 ⁻¹⁷	1.73x10 ⁻¹⁶
<i>SCTR</i>	3.055731	3.453715	3.88x10 ⁻¹⁷	1.77x10 ⁻¹⁶
<i>RETN</i>	3.85432	2.636515	4.25x10 ⁻¹⁷	1.94x10 ⁻¹⁶
<i>C8orf4</i>	2.05167	7.753539	4.38x10 ⁻¹⁷	1.99x10 ⁻¹⁶
<i>MUC1</i>	2.054526	8.765492	4.40x10 ⁻¹⁷	2.00x10 ⁻¹⁶
<i>CPLX2</i>	-6.70416	4.244191	4.46x10 ⁻¹⁷	2.03x10 ⁻¹⁶
<i>DMP1</i>	-3.39839	-2.61161	4.87x10 ⁻¹⁷	2.21x10 ⁻¹⁶

<i>C6orf97</i>	2.622235	3.59355	5.09x10 ⁻¹⁷	2.30x10 ⁻¹⁶
<i>UPK1B</i>	-5.66124	6.594805	5.36x10 ⁻¹⁷	2.42x10 ⁻¹⁶
<i>WNT5A</i>	-2.08475	6.102004	5.63x10 ⁻¹⁷	2.54x10 ⁻¹⁶
<i>UPK3BL</i>	-2.58819	4.499254	6.33x10 ⁻¹⁷	2.84x10 ⁻¹⁶
<i>CXCL2</i>	3.30968	7.110785	7.73x10 ⁻¹⁷	3.46x10 ⁻¹⁶
<i>LICAM</i>	-3.29599	3.18522	8.33x10 ⁻¹⁷	3.71x10 ⁻¹⁶
<i>FLRT3</i>	2.232971	6.309399	8.43x10 ⁻¹⁷	3.75x10 ⁻¹⁶
<i>AIMIL</i>	-2.56307	3.061851	8.46x10 ⁻¹⁷	3.77x10 ⁻¹⁶
<i>ATOH7</i>	-2.96082	-2.69563	8.59x10 ⁻¹⁷	3.82x10 ⁻¹⁶
<i>KNDC1</i>	2.724595	3.42735	8.75x10 ⁻¹⁷	3.89x10 ⁻¹⁶
<i>H19</i>	-4.21639	9.558575	8.96x10 ⁻¹⁷	3.98x10 ⁻¹⁶
<i>SFTPA2</i>	3.852932	13.64844	9.13x10 ⁻¹⁷	4.05x10 ⁻¹⁶
<i>F2RL2</i>	-3.16494	2.581895	9.78x10 ⁻¹⁷	4.33x10 ⁻¹⁶
<i>DKK4</i>	-4.68395	-2.56733	1.00x10 ⁻¹⁶	4.42x10 ⁻¹⁶
<i>C20orf56</i>	3.246053	3.844228	1.08x10 ⁻¹⁶	4.77x10 ⁻¹⁶
<i>TFAP2B</i>	-7.20013	2.869076	1.25x10 ⁻¹⁶	5.49x10 ⁻¹⁶
<i>TMEM139</i>	2.726985	3.620589	1.27x10 ⁻¹⁶	5.55x10 ⁻¹⁶
<i>SLC2A5</i>	-2.35382	2.764414	1.36x10 ⁻¹⁶	5.95x10 ⁻¹⁶
<i>COL6A6</i>	2.67109	5.017712	1.39x10 ⁻¹⁶	6.08x10 ⁻¹⁶
<i>SCN4B</i>	2.027966	4.629666	1.40x10 ⁻¹⁶	6.11x10 ⁻¹⁶
<i>TPSB2</i>	2.091324	6.75708	1.53x10 ⁻¹⁶	6.67x10 ⁻¹⁶
<i>C5orf13</i>	-2.07622	6.50787	1.64x10 ⁻¹⁶	7.13x10 ⁻¹⁶
<i>ADH7</i>	-5.35283	5.689824	1.75x10 ⁻¹⁶	7.59x10 ⁻¹⁶
<i>SFTA2</i>	3.69415	6.045077	1.88x10 ⁻¹⁶	8.13x10 ⁻¹⁶
<i>FABP3</i>	2.12961	4.03919	2.10x10 ⁻¹⁶	9.02x10 ⁻¹⁶
<i>HPGD</i>	2.340036	6.496358	2.10x10 ⁻¹⁶	9.05x10 ⁻¹⁶
<i>LCE3A</i>	-6.65175	-2.74106	2.13x10 ⁻¹⁶	9.16x10 ⁻¹⁶
<i>ITIH5</i>	2.366979	5.641035	2.22x10 ⁻¹⁶	9.52x10 ⁻¹⁶
<i>C4orf26</i>	-4.21455	-2.59135	2.45x10 ⁻¹⁶	1.05x10 ⁻¹⁵

<i>ANKRD1</i>	3.972275	5.601191	2.64x10 ⁻¹⁶	1.12x10 ⁻¹⁵
<i>GBX2</i>	-3.5461	-2.57138	2.67x10 ⁻¹⁶	1.14x10 ⁻¹⁵
<i>UGT1A10</i>	-8.85831	4.245251	3.51x10 ⁻¹⁶	1.49x10 ⁻¹⁵
<i>RND2</i>	-2.28338	2.606019	3.81x10 ⁻¹⁶	1.61x10 ⁻¹⁵
<i>LHX1</i>	-6.61827	-2.74403	4.13x10 ⁻¹⁶	1.74x10 ⁻¹⁵
<i>TGM3</i>	-4.58384	3.656012	4.58x10 ⁻¹⁶	1.92x10 ⁻¹⁵
<i>ACRV1</i>	-2.97083	-3.2039	4.70x10 ⁻¹⁶	1.97x10 ⁻¹⁵
<i>C4BPA</i>	3.461414	7.622151	4.70x10 ⁻¹⁶	1.97x10 ⁻¹⁵
<i>MT1A</i>	3.680069	2.688732	5.16x10 ⁻¹⁶	2.16x10 ⁻¹⁵
<i>PGC</i>	4.069448	7.95602	5.44x10 ⁻¹⁶	2.27x10 ⁻¹⁵
<i>AKRIC3</i>	-2.90653	7.488603	5.68x10 ⁻¹⁶	2.36x10 ⁻¹⁵
<i>WISPI</i>	-2.21535	3.616071	5.73x10 ⁻¹⁶	2.38x10 ⁻¹⁵
<i>NQO1</i>	-2.16686	6.804768	7.70x10 ⁻¹⁶	3.18x10 ⁻¹⁵
<i>SERPINA12</i>	-5.85269	-3.08278	7.80x10 ⁻¹⁶	3.22x10 ⁻¹⁵
<i>COL29A1</i>	2.289839	3.360082	7.94x10 ⁻¹⁶	3.27x10 ⁻¹⁵
<i>PRR15L</i>	2.173339	4.259955	8.96x10 ⁻¹⁶	3.68x10 ⁻¹⁵
<i>TAF7L</i>	-2.95268	-2.67416	1.03x10 ⁻¹⁵	4.22x10 ⁻¹⁵
<i>CGB</i>	-3.73465	-2.86812	1.10x10 ⁻¹⁵	4.51x10 ⁻¹⁵
<i>SERPINB3</i>	-4.56707	6.414013	1.35x10 ⁻¹⁵	5.51x10 ⁻¹⁵
<i>WDR78</i>	2.385111	2.869048	1.44x10 ⁻¹⁵	5.84x10 ⁻¹⁵
<i>PRB2</i>	-6.04006	-2.53139	1.48x10 ⁻¹⁵	6.00x10 ⁻¹⁵
<i>NLRP10</i>	-4.11594	-3.02297	1.52x10 ⁻¹⁵	6.16x10 ⁻¹⁵
<i>SPOCK2</i>	2.374335	8.524982	2.09x10 ⁻¹⁵	8.37x10 ⁻¹⁵
<i>SLCO2A1</i>	2.165885	7.174126	2.16x10 ⁻¹⁵	8.64x10 ⁻¹⁵
<i>WNT10A</i>	-2.36074	2.641865	2.19x10 ⁻¹⁵	8.76x10 ⁻¹⁵
<i>RRAD</i>	2.649768	5.743891	2.48x10 ⁻¹⁵	9.90x10 ⁻¹⁵
<i>LCE1F</i>	-5.74107	-3.43792	2.62x10 ⁻¹⁵	1.04x10 ⁻¹⁴
<i>BPIL2</i>	-4.95432	-2.92013	2.63x10 ⁻¹⁵	1.05x10 ⁻¹⁴
<i>NTRK2</i>	-3.24607	7.733848	2.65x10 ⁻¹⁵	1.06x10 ⁻¹⁴

<i>CLDN17</i>	-5.57042	-3.31194	2.87x10 ⁻¹⁵	1.14x10 ⁻¹⁴
<i>GABRP</i>	-3.32833	3.338143	3.40x10 ⁻¹⁵	1.34x10 ⁻¹⁴
<i>AGR3</i>	3.005493	5.525725	3.43x10 ⁻¹⁵	1.36x10 ⁻¹⁴
<i>SIX1</i>	-2.28198	3.591166	3.95x10 ⁻¹⁵	1.55x10 ⁻¹⁴
<i>CDH2</i>	-2.90696	3.354357	4.26x10 ⁻¹⁵	1.67x10 ⁻¹⁴
<i>OR7E5P</i>	-5.57112	-3.48877	4.30x10 ⁻¹⁵	1.69x10 ⁻¹⁴
<i>SFTPB</i>	3.24348	12.99333	4.47x10 ⁻¹⁵	1.75x10 ⁻¹⁴
<i>MGC14436</i>	-3.25787	-2.74074	4.65x10 ⁻¹⁵	1.82x10 ⁻¹⁴
<i>RAX</i>	-5.86371	-2.6038	5.70x10 ⁻¹⁵	2.21x10 ⁻¹⁴
<i>SELV</i>	-5.95103	-3.27318	5.72x10 ⁻¹⁵	2.22x10 ⁻¹⁴
<i>LRRC48</i>	2.531472	2.627768	7.74x10 ⁻¹⁵	2.98x10 ⁻¹⁴
<i>RND1</i>	3.016246	5.97605	8.52x10 ⁻¹⁵	3.26x10 ⁻¹⁴
<i>FOS</i>	2.125658	9.479845	8.98x10 ⁻¹⁵	3.43x10 ⁻¹⁴
<i>LRRC14B</i>	-3.87823	-2.98964	1.04x10 ⁻¹⁴	3.96x10 ⁻¹⁴
<i>CD36</i>	2.0915	6.875149	1.08x10 ⁻¹⁴	4.09x10 ⁻¹⁴
<i>ADAMTS12</i>	-2.138	3.779177	1.09x10 ⁻¹⁴	4.15x10 ⁻¹⁴
<i>NR4A3</i>	2.598023	5.690021	1.10x10 ⁻¹⁴	4.18x10 ⁻¹⁴
<i>C6</i>	3.610387	2.735004	1.12x10 ⁻¹⁴	4.26x10 ⁻¹⁴
<i>SLC44A4</i>	2.33883	5.499999	1.21x10 ⁻¹⁴	4.58x10 ⁻¹⁴
<i>MT1M</i>	2.738938	4.229409	1.25x10 ⁻¹⁴	4.73x10 ⁻¹⁴
<i>FNDC1</i>	-2.47899	5.17955	1.30x10 ⁻¹⁴	4.90x10 ⁻¹⁴
<i>ABCA4</i>	-3.28699	3.16679	1.61x10 ⁻¹⁴	6.03x10 ⁻¹⁴
<i>SYT16</i>	-3.78284	-2.62279	1.72x10 ⁻¹⁴	6.44x10 ⁻¹⁴
<i>D4S234E</i>	-2.52228	3.248946	1.79x10 ⁻¹⁴	6.70x10 ⁻¹⁴
<i>NGFR</i>	-2.46445	4.208831	2.30x10 ⁻¹⁴	8.53x10 ⁻¹⁴
<i>HNFB1B</i>	3.031473	3.83935	2.39x10 ⁻¹⁴	8.85x10 ⁻¹⁴
<i>FLJ36000</i>	-6.16445	-2.69591	2.92x10 ⁻¹⁴	1.08x10 ⁻¹³
<i>TGM6</i>	-5.89537	-3.30792	3.04x10 ⁻¹⁴	1.12x10 ⁻¹³
<i>IL33</i>	2.042083	6.142442	3.08x10 ⁻¹⁴	1.13x10 ⁻¹³

<i>LCE1E</i>	-5.0684	-3.33736	3.52x10 ⁻¹⁴	1.29x10 ⁻¹³
<i>SLCO1B1</i>	-4.89508	-3.0976	3.76x10 ⁻¹⁴	1.37x10 ⁻¹³
<i>CARD17</i>	-3.47428	-2.80803	4.21x10 ⁻¹⁴	1.53x10 ⁻¹³
<i>SI00A9</i>	-2.81143	9.604109	4.34x10 ⁻¹⁴	1.58x10 ⁻¹³
<i>CXCL17</i>	2.008208	7.074101	4.68x10 ⁻¹⁴	1.70x10 ⁻¹³
<i>LOC146336</i>	-4.91048	-2.56873	5.06x10 ⁻¹⁴	1.83x10 ⁻¹³
<i>SMOC1</i>	-2.78356	2.880905	5.76x10 ⁻¹⁴	2.08x10 ⁻¹³
<i>BNC1</i>	-3.64707	4.680754	6.58x10 ⁻¹⁴	2.36x10 ⁻¹³
<i>POSTN</i>	-2.1928	8.374949	8.18x10 ⁻¹⁴	2.92x10 ⁻¹³
<i>CLDN10</i>	-2.66106	2.637476	8.22x10 ⁻¹⁴	2.93x10 ⁻¹³
<i>DLK1</i>	-8.31446	4.088102	8.46x10 ⁻¹⁴	3.01x10 ⁻¹³
<i>IL6</i>	2.88513	6.120753	8.58x10 ⁻¹⁴	3.06x10 ⁻¹³
<i>RSPH4A</i>	2.820737	2.920792	9.58x10 ⁻¹⁴	3.40x10 ⁻¹³
<i>PLA1A</i>	2.198091	3.582333	1.02x10 ⁻¹³	3.60x10 ⁻¹³
<i>DNAH9</i>	3.198987	3.801799	1.06x10 ⁻¹³	3.74x10 ⁻¹³
<i>PRDM9</i>	-6.60296	-2.90263	1.10x10 ⁻¹³	3.88x10 ⁻¹³
<i>KRT1</i>	-3.71286	3.609818	1.13x10 ⁻¹³	3.98x10 ⁻¹³
<i>TMEM179</i>	-5.08278	-3.07653	1.15x10 ⁻¹³	4.06x10 ⁻¹³
<i>FCGR3B</i>	2.376631	3.876778	1.79x10 ⁻¹³	6.21x10 ⁻¹³
<i>GAGE12D</i>	-11.3939	2.664282	1.94x10 ⁻¹³	6.69x10 ⁻¹³
<i>CSF3</i>	3.855875	5.705303	1.94x10 ⁻¹³	6.70x10 ⁻¹³
<i>LGR5</i>	-2.96326	3.27762	2.00x10 ⁻¹³	6.89x10 ⁻¹³
<i>ADD2</i>	-2.45343	3.075362	2.98x10 ⁻¹³	1.02x10 ⁻¹²
<i>Clorf130</i>	2.006186	3.412089	3.36x10 ⁻¹³	1.14x10 ⁻¹²
<i>C10orf79</i>	3.009729	3.228731	3.53x10 ⁻¹³	1.20x10 ⁻¹²
<i>PCDHA12</i>	2.635255	2.760181	3.61x10 ⁻¹³	1.22x10 ⁻¹²
<i>UGT1A7</i>	-8.25266	4.356593	3.87x10 ⁻¹³	1.31x10 ⁻¹²
<i>DNAH10</i>	2.550911	3.079615	3.91x10 ⁻¹³	1.32x10 ⁻¹²
<i>ABCBI</i>	2.051283	2.911952	3.92x10 ⁻¹³	1.33x10 ⁻¹²

<i>OLRI</i>	2.173197	6.794985	4.04x10 ⁻¹³	1.36x10 ⁻¹²
<i>SCUBE1</i>	2.973086	3.628922	4.33x10 ⁻¹³	1.46x10 ⁻¹²
<i>HLA-DRB6</i>	2.026931	5.759727	4.41x10 ⁻¹³	1.49x10 ⁻¹²
<i>PRLR</i>	-2.41656	3.343656	4.92x10 ⁻¹³	1.65x10 ⁻¹²
<i>C2orf40</i>	2.978542	2.866153	5.34x10 ⁻¹³	1.78x10 ⁻¹²
<i>COL9A2</i>	-2.02343	4.052755	5.48x10 ⁻¹³	1.83x10 ⁻¹²
<i>AGTR2</i>	3.466692	4.246275	5.92x10 ⁻¹³	1.97x10 ⁻¹²
<i>SI00A8</i>	-2.93214	8.539026	6.38x10 ⁻¹³	2.12x10 ⁻¹²
<i>MIAT</i>	-2.13986	4.788851	7.81x10 ⁻¹³	2.58x10 ⁻¹²
<i>UBXN10</i>	2.070871	3.62577	9.24x10 ⁻¹³	3.03x10 ⁻¹²
<i>FRG2B</i>	-5.56235	-3.48969	9.55x10 ⁻¹³	3.13x10 ⁻¹²
<i>C17orf72</i>	2.220078	3.089164	9.63x10 ⁻¹³	3.16x10 ⁻¹²
<i>TM4SF19</i>	-2.23193	2.605679	1.04x10 ⁻¹²	3.40x10 ⁻¹²
<i>HYDIN</i>	2.319173	3.603138	1.07x10 ⁻¹²	3.49x10 ⁻¹²
<i>CNR1</i>	2.099706	3.267502	1.22x10 ⁻¹²	3.98x10 ⁻¹²
<i>ANKRD7</i>	-2.66669	-2.73622	1.27x10 ⁻¹²	4.12x10 ⁻¹²
<i>CAPN8</i>	2.67999	3.426511	1.30x10 ⁻¹²	4.22x10 ⁻¹²
<i>CYP2C18</i>	-2.41544	2.682532	1.32x10 ⁻¹²	4.28x10 ⁻¹²
<i>DKK2</i>	2.011479	3.533857	1.52x10 ⁻¹²	4.92x10 ⁻¹²
<i>FAM57B</i>	-3.012	-2.58193	1.67x10 ⁻¹²	5.37x10 ⁻¹²
<i>SCG2</i>	-2.69482	2.838998	1.78x10 ⁻¹²	5.72x10 ⁻¹²
<i>ROS1</i>	2.343136	6.183054	1.82x10 ⁻¹²	5.84x10 ⁻¹²
<i>FMO1</i>	-2.49881	2.879933	2.24x10 ⁻¹²	7.13x10 ⁻¹²
<i>FOSB</i>	2.938837	9.287144	2.27x10 ⁻¹²	7.20x10 ⁻¹²
<i>APOBEC1</i>	-6.3316	-3.1007	2.28x10 ⁻¹²	7.25x10 ⁻¹²
<i>COL3A1</i>	-2.22098	11.43825	2.38x10 ⁻¹²	7.57x10 ⁻¹²
<i>BEST2</i>	-3.88992	-3.12929	2.44x10 ⁻¹²	7.73x10 ⁻¹²
<i>SCEL</i>	2.258229	6.289671	2.75x10 ⁻¹²	8.70x10 ⁻¹²
<i>C5orf49</i>	2.679212	2.63851	3.63x10 ⁻¹²	1.14x10 ⁻¹¹

<i>GSTM2</i>	-2.19239	5.889987	3.81x10 ⁻¹²	1.19x10 ⁻¹¹
<i>CRYBA2</i>	-4.51287	-3.34446	4.04x10 ⁻¹²	1.26x10 ⁻¹¹
<i>PCDH20</i>	2.048199	3.22293	4.14x10 ⁻¹²	1.29x10 ⁻¹¹
<i>VWA3B</i>	3.367694	2.946038	4.30x10 ⁻¹²	1.34x10 ⁻¹¹
<i>C8B</i>	3.90155	2.654416	4.55x10 ⁻¹²	1.41x10 ⁻¹¹
<i>COL1A1</i>	-2.35105	11.72858	4.87x10 ⁻¹²	1.51x10 ⁻¹¹
<i>CGB5</i>	-3.71122	-3.09186	5.08x10 ⁻¹²	1.57x10 ⁻¹¹
<i>TGIF2LX</i>	-5.71624	-3.41731	5.41x10 ⁻¹²	1.67x10 ⁻¹¹
<i>LRRC46</i>	2.577735	3.47662	5.47x10 ⁻¹²	1.68x10 ⁻¹¹
<i>ZMYND10</i>	2.897488	3.951794	6.29x10 ⁻¹²	1.93x10 ⁻¹¹
<i>ALDH3A1</i>	-3.46361	7.666585	7.52x10 ⁻¹²	2.29x10 ⁻¹¹
<i>NTN3</i>	-2.38847	-2.57193	1.21x10 ⁻¹¹	3.63x10 ⁻¹¹
<i>TRIM72</i>	-3.91863	-2.82346	1.23x10 ⁻¹¹	3.69x10 ⁻¹¹
<i>SSTR5</i>	-4.31092	-2.88608	1.29x10 ⁻¹¹	3.87x10 ⁻¹¹
<i>PLA2G2A</i>	3.201499	3.978015	1.35x10 ⁻¹¹	4.03x10 ⁻¹¹
<i>ALDH1L1</i>	-2.69805	2.703894	1.54x10 ⁻¹¹	4.60x10 ⁻¹¹
<i>C13orf30</i>	3.392487	3.791917	1.57x10 ⁻¹¹	4.67x10 ⁻¹¹
<i>TRIM49</i>	-5.38034	-3.11543	1.86x10 ⁻¹¹	5.49x10 ⁻¹¹
<i>MYB</i>	-2.37113	4.227243	1.96x10 ⁻¹¹	5.79x10 ⁻¹¹
<i>ADAMDECI</i>	-2.26389	3.036403	2.23x10 ⁻¹¹	6.55x10 ⁻¹¹
<i>C9orf24</i>	2.869005	3.053403	2.23x10 ⁻¹¹	6.56x10 ⁻¹¹
<i>RTP3</i>	-4.6457	-2.85003	2.48x10 ⁻¹¹	7.26x10 ⁻¹¹
<i>C7orf52</i>	-4.59626	-3.25686	3.20x10 ⁻¹¹	9.31x10 ⁻¹¹
<i>ESPNP</i>	-3.31456	-2.62994	3.34x10 ⁻¹¹	9.69x10 ⁻¹¹
<i>CRYM</i>	2.319144	3.062838	4.30x10 ⁻¹¹	1.23x10 ⁻¹⁰
<i>TKTL1</i>	-4.43371	2.997123	4.63x10 ⁻¹¹	1.33x10 ⁻¹⁰
<i>CXCL3</i>	2.407959	4.167395	4.68x10 ⁻¹¹	1.34x10 ⁻¹⁰
<i>TBX20</i>	-3.89093	-2.71331	5.11x10 ⁻¹¹	1.46x10 ⁻¹⁰
<i>REG1A</i>	-4.1531	-2.57326	5.19x10 ⁻¹¹	1.48x10 ⁻¹⁰

<i>LMO3</i>	2.324903	6.101474	6.16x10 ⁻¹¹	1.75x10 ⁻¹⁰
<i>SCGB3A2</i>	2.711405	7.696977	6.89x10 ⁻¹¹	1.95x10 ⁻¹⁰
<i>LRRC55</i>	-3.3741	2.772867	6.98x10 ⁻¹¹	1.97x10 ⁻¹⁰
<i>FAM75A2</i>	-3.76395	-3.27928	8.10x10 ⁻¹¹	2.28x10 ⁻¹⁰
<i>C19orf45</i>	-2.32315	-2.72601	8.16x10 ⁻¹¹	2.29x10 ⁻¹⁰
<i>LRFN2</i>	-2.84655	-2.5671	8.32x10 ⁻¹¹	2.34x10 ⁻¹⁰
<i>SLITRK1</i>	-5.21057	-2.60157	8.34x10 ⁻¹¹	2.34x10 ⁻¹⁰
<i>PRR4</i>	-2.88652	3.136084	8.40x10 ⁻¹¹	2.36x10 ⁻¹⁰
<i>PTX3</i>	2.465945	3.686191	8.78x10 ⁻¹¹	2.46x10 ⁻¹⁰
<i>ALOX15B</i>	2.109899	6.216558	9.57x10 ⁻¹¹	2.67x10 ⁻¹⁰
<i>CXCL6</i>	-2.96478	4.155983	1.05x10 ⁻¹⁰	2.92x10 ⁻¹⁰
<i>SSX4</i>	-4.8082	-3.14984	1.07x10 ⁻¹⁰	2.99x10 ⁻¹⁰
<i>KCNC1</i>	-2.33556	-2.61008	1.17x10 ⁻¹⁰	3.25x10 ⁻¹⁰
<i>RBP4</i>	2.370588	4.049153	1.30x10 ⁻¹⁰	3.58x10 ⁻¹⁰
<i>LRRC10B</i>	2.415744	2.604294	1.46x10 ⁻¹⁰	4.01x10 ⁻¹⁰
<i>PRIMA1</i>	-2.08962	2.606099	1.47x10 ⁻¹⁰	4.04x10 ⁻¹⁰
<i>CADM3</i>	2.011515	2.977773	1.58x10 ⁻¹⁰	4.33x10 ⁻¹⁰
<i>SPANXE</i>	-6.53655	-2.70635	1.59x10 ⁻¹⁰	4.37x10 ⁻¹⁰
<i>MAGEB1</i>	-6.8383	-2.63841	1.76x10 ⁻¹⁰	4.82x10 ⁻¹⁰
<i>CAPS</i>	2.318746	6.078246	1.83x10 ⁻¹⁰	4.99x10 ⁻¹⁰
<i>C1orf173</i>	3.13951	3.439599	1.90x10 ⁻¹⁰	5.17x10 ⁻¹⁰
<i>CXorf27</i>	-5.7963	-3.61908	1.96x10 ⁻¹⁰	5.33x10 ⁻¹⁰
<i>SNTN</i>	3.047843	3.569552	2.23x10 ⁻¹⁰	6.04x10 ⁻¹⁰
<i>LOC731789</i>	-3.67697	-2.60683	2.24x10 ⁻¹⁰	6.07x10 ⁻¹⁰
<i>INSRR</i>	-2.72662	-2.67673	2.27x10 ⁻¹⁰	6.15x10 ⁻¹⁰
<i>PIWIL1</i>	-4.45541	-3.41114	2.37x10 ⁻¹⁰	6.42x10 ⁻¹⁰
<i>CCDC19</i>	2.121123	2.810289	2.65x10 ⁻¹⁰	7.15x10 ⁻¹⁰
<i>CPA2</i>	-2.81394	-2.62063	2.67x10 ⁻¹⁰	7.19x10 ⁻¹⁰
<i>TAC1</i>	-6.54227	2.581766	2.69x10 ⁻¹⁰	7.23x10 ⁻¹⁰

<i>SI00P</i>	-2.71135	5.271209	2.71x10 ⁻¹⁰	7.29x10 ⁻¹⁰
<i>SFRP5</i>	2.583783	2.599678	2.75x10 ⁻¹⁰	7.39x10 ⁻¹⁰
<i>GLYATL1</i>	-3.10586	-2.60335	2.88x10 ⁻¹⁰	7.72x10 ⁻¹⁰
<i>CHRNA3</i>	-3.52649	-3.14069	2.90x10 ⁻¹⁰	7.78x10 ⁻¹⁰
<i>RSPH1</i>	2.584705	3.700326	2.93x10 ⁻¹⁰	7.85x10 ⁻¹⁰
<i>CXCL13</i>	-3.24078	5.799349	2.97x10 ⁻¹⁰	7.97x10 ⁻¹⁰
<i>NKX2-4</i>	-5.89586	-3.41655	3.07x10 ⁻¹⁰	8.20x10 ⁻¹⁰
<i>FTHL17</i>	-6.90104	-2.63185	3.18x10 ⁻¹⁰	8.51x10 ⁻¹⁰
<i>UGT2A1</i>	-5.7789	3.462001	3.72x10 ⁻¹⁰	9.86x10 ⁻¹⁰
<i>PHOX2A</i>	-4.99561	-3.10658	3.99x10 ⁻¹⁰	1.05x10 ⁻⁹
<i>GSTA2</i>	3.582071	2.603411	4.37x10 ⁻¹⁰	1.15x10 ⁻⁹
<i>NOS2</i>	-2.64498	3.991118	4.87x10 ⁻¹⁰	1.27x10 ⁻⁹
<i>CCDC108</i>	3.251172	2.764581	5.56x10 ⁻¹⁰	1.45x10 ⁻⁹
<i>FGFBP2</i>	-3.19186	5.266081	5.89x10 ⁻¹⁰	1.53x10 ⁻⁹
<i>C9orf152</i>	2.073468	3.398808	6.63x10 ⁻¹⁰	1.72x10 ⁻⁹
<i>TBR1</i>	-4.09608	-3.22567	6.79x10 ⁻¹⁰	1.76x10 ⁻⁹
<i>ABCA13</i>	-2.25745	4.88044	6.96x10 ⁻¹⁰	1.80x10 ⁻⁹
<i>GOLGA8C</i>	-2.9237	-2.76828	7.75x10 ⁻¹⁰	2.00x10 ⁻⁹
<i>GAGE8</i>	-6.36717	-2.83946	8.76x10 ⁻¹⁰	2.25x10 ⁻⁹
<i>PCSK2</i>	2.672955	2.534979	1.01x10 ⁻⁹	2.57x10 ⁻⁹
<i>EMRI</i>	2.099182	3.137105	1.20x10 ⁻⁹	3.03x10 ⁻⁹
<i>POU2F3</i>	-2.06333	3.655956	1.32x10 ⁻⁹	3.34x10 ⁻⁹
<i>MCF2</i>	-2.47568	-2.54402	1.39x10 ⁻⁹	3.50x10 ⁻⁹
<i>CCDC17</i>	2.492549	2.917427	1.54x10 ⁻⁹	3.87x10 ⁻⁹
<i>SCGB3A1</i>	2.842395	7.433927	1.60x10 ⁻⁹	4.03x10 ⁻⁹
<i>SPAG6</i>	2.862104	3.339879	1.62x10 ⁻⁹	4.06x10 ⁻⁹
<i>CNTN1</i>	-2.01292	4.358467	1.81x10 ⁻⁹	4.52x10 ⁻⁹
<i>KCNQ2</i>	-4.14053	-2.6942	1.83x10 ⁻⁹	4.58x10 ⁻⁹
<i>CAMKV</i>	-2.68728	-3.13324	1.90x10 ⁻⁹	4.73x10 ⁻⁹

<i>ACER1</i>	-3.07477	-2.69471	1.99x10 ⁻⁹	4.96x10 ⁻⁹
<i>FAM19A4</i>	-2.53863	-2.55513	2.14x10 ⁻⁹	5.33x10 ⁻⁹
<i>MUC21</i>	2.278485	2.540057	2.50x10 ⁻⁹	6.17x10 ⁻⁹
<i>CAPN6</i>	-3.11217	3.666644	2.74x10 ⁻⁹	6.75x10 ⁻⁹
<i>WIF1</i>	2.713044	6.324563	2.75x10 ⁻⁹	6.78x10 ⁻⁹
<i>MUC13</i>	-3.47405	2.672627	2.85x10 ⁻⁹	7.00x10 ⁻⁹
<i>COX8C</i>	-4.58714	-2.74379	3.20x10 ⁻⁹	7.87x10 ⁻⁹
<i>C11orf88</i>	2.650823	2.528549	3.22x10 ⁻⁹	7.89x10 ⁻⁹
<i>DMBT1</i>	2.643927	8.588842	3.25x10 ⁻⁹	7.98x10 ⁻⁹
<i>DKK1</i>	-2.09954	3.498	3.36x10 ⁻⁹	8.24x10 ⁻⁹
<i>FAM154B</i>	2.223647	2.717322	4.98x10 ⁻⁹	1.21x10 ⁻⁸
<i>CEACAM5</i>	-2.76154	7.269976	7.16x10 ⁻⁹	1.71x10 ⁻⁸
<i>IGF2AS</i>	-2.76121	-2.53216	7.20x10 ⁻⁹	1.72x10 ⁻⁸
<i>FRMD7</i>	-2.9345	-3.39834	8.43x10 ⁻⁹	2.00x10 ⁻⁸
<i>DEFB1</i>	-2.04318	2.93202	8.43x10 ⁻⁹	2.00x10 ⁻⁸
<i>TBX22</i>	-5.48238	-2.68717	1.06x10 ⁻⁸	2.51x10 ⁻⁸
<i>MS4A6E</i>	2.961877	-2.72928	1.20x10 ⁻⁸	2.82x10 ⁻⁸
<i>NBPF4</i>	-3.09161	-3.32632	1.33x10 ⁻⁸	3.10x10 ⁻⁸
<i>AADACL3</i>	-6.42041	-2.86713	1.48x10 ⁻⁸	3.44x10 ⁻⁸
<i>CNTNAP4</i>	-3.30739	-2.93831	1.51x10 ⁻⁸	3.53x10 ⁻⁸
<i>DCAF8L2</i>	-5.05721	-3.57649	1.88x10 ⁻⁸	4.36x10 ⁻⁸
<i>TGMI</i>	-2.15722	4.993564	1.89x10 ⁻⁸	4.37x10 ⁻⁸
<i>MAFA</i>	-2.4242	-3.14635	2.04x10 ⁻⁸	4.70x10 ⁻⁸
<i>ATCAY</i>	-3.33912	-2.99571	2.52x10 ⁻⁸	5.77x10 ⁻⁸
<i>MC4R</i>	-2.49967	-2.75757	2.63x10 ⁻⁸	6.01x10 ⁻⁸
<i>IGF2</i>	-2.24102	7.23423	2.75x10 ⁻⁸	6.27x10 ⁻⁸
<i>TH</i>	-2.37237	-2.70257	2.99x10 ⁻⁸	6.79x10 ⁻⁸
<i>CLEC18C</i>	-2.51416	-2.98103	3.28x10 ⁻⁸	7.43x10 ⁻⁸
<i>MDGA2</i>	-3.4573	-2.65637	3.36x10 ⁻⁸	7.61x10 ⁻⁸

<i>C20orf186</i>	-3.55462	-3.28235	3.79x10 ⁻⁸	8.54x10 ⁻⁸
<i>POM121L2</i>	-2.46156	-3.33389	4.20x10 ⁻⁸	9.45x10 ⁻⁸
<i>SOX14</i>	-4.80895	-2.8308	4.50x10 ⁻⁸	1.01x10 ⁻⁷
<i>ZNF716</i>	-5.49591	-3.2488	5.39x10 ⁻⁸	1.20x10 ⁻⁷
<i>SCGB1D2</i>	-4.4169	-2.88932	5.41x10 ⁻⁸	1.20x10 ⁻⁷
<i>AKR1C4</i>	-3.93569	-3.08326	5.47x10 ⁻⁸	1.22x10 ⁻⁷
<i>CPLX3</i>	-2.5372	-2.77169	5.79x10 ⁻⁸	1.29x10 ⁻⁷
<i>C20orf191</i>	-4.93775	-3.67253	5.99x10 ⁻⁸	1.33x10 ⁻⁷
<i>C1orf94</i>	-3.70422	-2.58069	6.53x10 ⁻⁸	1.45x10 ⁻⁷
<i>OPRD1</i>	-4.18734	-3.78832	6.58x10 ⁻⁸	1.45x10 ⁻⁷
<i>GABRB1</i>	-3.58686	-3.22081	7.29x10 ⁻⁸	1.60x10 ⁻⁷
<i>PENK</i>	-2.5541	3.481725	7.60x10 ⁻⁸	1.67x10 ⁻⁷
<i>VSTM2B</i>	-5.01872	-3.15966	8.16x10 ⁻⁸	1.79x10 ⁻⁷
<i>C12orf77</i>	-3.91748	-3.319	8.55x10 ⁻⁸	1.87x10 ⁻⁷
<i>TEKT1</i>	3.161038	2.943243	8.97x10 ⁻⁸	1.96x10 ⁻⁷
<i>RASGEF1C</i>	-2.46314	-3.19665	9.81x10 ⁻⁸	2.14x10 ⁻⁷
<i>DSCR4</i>	-4.75919	-3.99255	1.07x10 ⁻⁷	2.33x10 ⁻⁷
<i>KLK10</i>	-2.03436	5.833879	1.10x10 ⁻⁷	2.38x10 ⁻⁷
<i>FOXJ1</i>	2.127584	4.557733	1.11x10 ⁻⁷	2.41x10 ⁻⁷
<i>HMX3</i>	-4.89128	-2.5705	1.12x10 ⁻⁷	2.43x10 ⁻⁷
<i>KRT76</i>	-3.97972	-3.27028	1.18x10 ⁻⁷	2.56x10 ⁻⁷
<i>ZNF648</i>	-2.59926	-3.35137	1.21x10 ⁻⁷	2.62x10 ⁻⁷
<i>C1orf157</i>	-3.40137	-3.75718	1.22x10 ⁻⁷	2.64x10 ⁻⁷
<i>SPATA21</i>	-3.61034	-3.70928	1.26x10 ⁻⁷	2.71x10 ⁻⁷
<i>C4orf7</i>	-4.36053	4.959661	1.34x10 ⁻⁷	2.90x10 ⁻⁷
<i>C20orf85</i>	3.06583	4.036925	1.41x10 ⁻⁷	3.03x10 ⁻⁷
<i>GLRA4</i>	-4.04952	-3.27495	1.52x10 ⁻⁷	3.26x10 ⁻⁷
<i>CRH</i>	3.124759	-3.1472	1.61x10 ⁻⁷	3.45x10 ⁻⁷
<i>LOC93432</i>	-4.12767	-3.16767	2.89x10 ⁻⁷	6.08x10 ⁻⁷

<i>SERPIND1</i>	2.210161	3.301047	3.26x10 ⁻⁷	6.82x10 ⁻⁷
<i>MS4A8B</i>	2.912419	3.611291	3.94x10 ⁻⁷	8.19x10 ⁻⁷
<i>FGF</i>	-4.24347	2.862794	4.06x10 ⁻⁷	8.42x10 ⁻⁷
<i>EDN2</i>	-2.25175	2.919081	5.16x10 ⁻⁷	1.06x10 ⁻⁶
<i>BSND</i>	-2.89313	-3.23729	5.24x10 ⁻⁷	1.08x10 ⁻⁶
<i>SELE</i>	2.25352	5.033211	5.79x10 ⁻⁷	1.19x10 ⁻⁶
<i>TCL1B</i>	-3.07857	-2.7062	5.83x10 ⁻⁷	1.19x10 ⁻⁶
<i>ATP12A</i>	-2.4273	3.201032	6.02x10 ⁻⁷	1.23x10 ⁻⁶
<i>SCGB1A1</i>	2.911835	9.457863	6.68x10 ⁻⁷	1.37x10 ⁻⁶
<i>FOXR2</i>	-5.75887	-2.99547	6.74x10 ⁻⁷	1.38x10 ⁻⁶
<i>SULT2A1</i>	-4.19436	-3.85654	7.08x10 ⁻⁷	1.44x10 ⁻⁶
<i>NPPB</i>	-4.28868	-3.46251	8.38x10 ⁻⁷	1.69x10 ⁻⁶
<i>SYT10</i>	-2.56443	-2.72388	1.08x10 ⁻⁶	2.16x10 ⁻⁶
<i>FEZF2</i>	-4.17444	-4.06582	1.33x10 ⁻⁶	2.65x10 ⁻⁶
<i>DCAF12L1</i>	-3.59031	-2.50235	1.39x10 ⁻⁶	2.75x10 ⁻⁶
<i>ZPI</i>	-2.16183	-3.04669	1.42x10 ⁻⁶	2.82x10 ⁻⁶
<i>GSTM1</i>	-3.50092	5.434617	1.60x10 ⁻⁶	3.15x10 ⁻⁶
<i>CA7</i>	-2.43368	-3.58224	1.69x10 ⁻⁶	3.33x10 ⁻⁶
<i>C14orf39</i>	-2.4426	-3.1265	1.88x10 ⁻⁶	3.68x10 ⁻⁶
<i>LGALS14</i>	-4.29968	-3.0098	2.33x10 ⁻⁶	4.53x10 ⁻⁶
<i>CCL19</i>	-2.05217	5.32893	2.64x10 ⁻⁶	5.11x10 ⁻⁶
<i>DNTT</i>	-3.17827	-3.58681	3.30x10 ⁻⁶	6.33x10 ⁻⁶
<i>CYP26C1</i>	-2.12562	-3.16383	3.39x10 ⁻⁶	6.49x10 ⁻⁶
<i>GBX1</i>	-3.68749	-3.76625	3.54x10 ⁻⁶	6.78x10 ⁻⁶
<i>C2orf39</i>	2.224906	2.644325	3.69x10 ⁻⁶	7.05x10 ⁻⁶
<i>HHATL</i>	2.10659	-3.03071	4.21x10 ⁻⁶	8.02x10 ⁻⁶
<i>SLC5A11</i>	-2.0596	-2.92594	5.73x10 ⁻⁶	1.08x10 ⁻⁵
<i>XKR7</i>	-2.15713	-3.42698	1.35x10 ⁻⁵	2.46x10 ⁻⁵
<i>GYS2</i>	-2.01912	-2.5622	1.56x10 ⁻⁵	2.83x10 ⁻⁵

<i>C20orf114</i>	2.499937	7.563266	1.65x10 ⁻⁵	2.98x10 ⁻⁵
<i>SLC38A8</i>	-2.64872	-3.54078	2.38x10 ⁻⁵	4.24x10 ⁻⁵
<i>SERPINB11</i>	-2.97848	2.570037	2.74x10 ⁻⁵	4.86x10 ⁻⁵
<i>CDH7</i>	-2.1113	-3.24789	4.68x10 ⁻⁵	8.16x10 ⁻⁵
<i>PSCA</i>	-2.04468	4.319455	1.27x10 ⁻⁴	2.13x10 ⁻⁴
<i>HTR1E</i>	-2.6035	-3.91527	1.28x10 ⁻⁴	2.15x10 ⁻⁴
<i>NRSN1</i>	-2.621	-2.55752	3.49x10 ⁻⁴	5.63x10 ⁻⁴
<i>KCNH5</i>	-2.03462	-2.54537	7.22x10 ⁻⁴	1.13x10 ⁻³
<i>AGXT</i>	-2.00286	-3.12057	5.10x10 ⁻³	7.35x10 ⁻³

logFC, log₂ fold-change; logCPM, log₂ counts-per-million; FDR, false discovery rate.

Table SV. Candidate genes for time-to-event instrument variable analysis in lung cancer.

Lung squamous cell carcinoma	Lung adenocarcinoma
<i>TBX4</i>	<i>TBX4</i>
<i>TP73</i>	<i>C17orf93</i>
<i>DLX5</i>	<i>ECSCR</i>
<i>TRIM59</i>	<i>ADAMTS20</i>
<i>LY6K</i>	<i>SHCBP1</i>
<i>SHCBP1</i>	<i>CA3</i>
<i>KRTDAP</i>	<i>EFNA4</i>
<i>GPR116</i>	<i>LYPD1</i>
<i>COL17A1</i>	<i>GNG4</i>
<i>GPIHBP1</i>	<i>AIM2</i>
<i>LCE1F</i>	<i>TCN1</i>
<i>AFF3</i>	<i>CAV1</i>
<i>LCE1E</i>	<i>C2CD4A</i>
<i>CADM3</i>	<i>GRIA1</i>
<i>CEACAM5</i>	<i>GPBR</i>
<i>CNTNAP5</i>	<i>SOX17</i>
<i>SCGB1D2</i>	<i>FOXE3</i>
<i>TMEM40</i>	<i>TAL1</i>
<i>PKP3</i>	<i>RRM2</i>
<i>ATP12A</i>	<i>FAM83A</i>
<i>STAC</i>	<i>NECAB1</i>
<i>TBX20</i>	<i>CLDN5</i>
<i>IL1F9</i>	<i>CALCA</i>
<i>KLK6</i>	<i>SERPINB5</i>

<i>ARNTL2</i>	<i>AFF3</i>
<i>GNG4</i>	<i>CRYAB</i>
<i>RASGRP4</i>	<i>ARNTL2</i>
<i>DLC1</i>	<i>11-Mar</i>
<i>TAL1</i>	<i>LOC645323</i>
<i>SLITRK1</i>	<i>UNC5CL</i>
<i>SFN</i>	<i>PEAR1</i>
<i>GRIA1</i>	<i>DLC1</i>
<i>CABLES1</i>	<i>TFAP2A</i>
<i>TFAP2B</i>	<i>MYEOV</i>
<i>CD36</i>	<i>ARHGEF15</i>
<i>NKX2-4</i>	<i>MELK</i>
<i>GPC1</i>	<i>NKX2-4</i>
<i>TSKU</i>	<i>ODZ4</i>
<i>ZP3</i>	<i>FABP4</i>
<i>CCNB1</i>	<i>LY6K</i>
<i>TFAP2A</i>	<i>ADAMTSL4</i>
<i>SERPINB5</i>	<i>SCN4B</i>
<i>KRT5</i>	<i>DPEP2</i>
<i>GINS4</i>	<i>LGR4</i>
<i>GJB5</i>	<i>BDNF</i>
<i>CALML3</i>	<i>SMAD6</i>
<i>PRC1</i>	<i>PHLDA2</i>
<i>ADAM12</i>	<i>ETV4</i>
<i>HK3</i>	<i>PHOX2B</i>
<i>HOXA10</i>	<i>PAX7</i>
<i>SCARF1</i>	<i>PKMYT1</i>
<i>ZMYND10</i>	<i>CTHRC1</i>
<i>PLEKHG6</i>	<i>C1orf106</i>

<i>RRM2</i>	<i>NPTX2</i>
<i>ITGB4</i>	<i>DLX2</i>
<i>AK3L1</i>	<i>ITIH5</i>
<i>FRMD6</i>	<i>BUB1B</i>
<i>FOXJ1</i>	<i>CCDC85A</i>
<i>LOC642587</i>	<i>C2orf40</i>
<i>ARTN</i>	<i>SCGB1D2</i>
<i>A2ML1</i>	<i>NKX2-5</i>
<i>COL11A1</i>	<i>PPP2R2C</i>
<i>ZNF648</i>	<i>SLC4A11</i>
<i>MELK</i>	<i>COL17A1</i>
<i>SLC5A11</i>	<i>TFF2</i>
<i>CFTR</i>	<i>FZD10</i>
<i>CYP4F3</i>	<i>CD36</i>
<i>ZNF716</i>	<i>OCIAD2</i>
<i>SLC26A9</i>	<i>CDCA7</i>
<i>TENCI</i>	<i>IL6</i>
<i>FAM83D</i>	<i>CNTNAP4</i>
<i>CD33</i>	<i>MDGA2</i>
<i>FAT2</i>	<i>CCNB1</i>
<i>TCL1B</i>	<i>CABYR</i>
<i>CD93</i>	<i>COL11A1</i>
<i>FEZF2</i>	<i>CRTAC1</i>
<i>HMX3</i>	<i>HOXC12</i>
<i>PRLR</i>	<i>KLK9</i>
<i>CDH3</i>	<i>MMP1</i>
<i>PEAR1</i>	<i>GDF10</i>
<i>DMRT2</i>	<i>GREM1</i>
<i>SOST</i>	<i>CIQTNF7</i>

<i>UGT1A6</i>	<i>OR56A3</i>
<i>FCN1</i>	<i>EDNRB</i>
<i>SLC1A4</i>	<i>ITLN2</i>
<i>SLC16A1</i>	<i>ASCL1</i>
<i>SERPINB13</i>	<i>SOX11</i>
<i>GRHL3</i>	<i>CDT1</i>
<i>RAX</i>	<i>PRX</i>
<i>NGEF</i>	<i>NEFH</i>
<i>RAPGEFL1</i>	<i>ACVRL1</i>
<i>NRCAM</i>	<i>P2RY6</i>
<i>DPEP2</i>	<i>IGSF9</i>
<i>CBLC</i>	<i>IVL</i>
<i>C19orf48</i>	<i>IQGAP3</i>
<i>CTHRC1</i>	<i>ADCY4</i>
<i>DSC2</i>	<i>NOTO</i>
<i>HNF1B</i>	<i>LOC153910</i>
<i>CDO1</i>	<i>SLC16A14</i>
<i>SOX17</i>	<i>NCAPG</i>
<i>ST6GALNAC5</i>	<i>STEAP1</i>
<i>PRAME</i>	<i>KIF1A</i>
<i>LOC149620</i>	<i>CCL14</i>
<i>LAMC2</i>	<i>MME</i>
<i>AGER</i>	<i>BARX1</i>
<i>SFTA3</i>	<i>ZBTB16</i>
<i>CRH</i>	<i>EMP2</i>
<i>CCDC108</i>	<i>FERMT1</i>
<i>SLC34A2</i>	<i>AGR2</i>
<i>ETV4</i>	<i>EPHX3</i>
<i>TGM1</i>	<i>GOLGA7B</i>

<i>CYP26C1</i>	<i>SOHLH1</i>
<i>ITGA6</i>	<i>MMP13</i>
<i>C16orf74</i>	<i>ST8SIA3</i>
<i>MSR1</i>	<i>HSPA12B</i>
<i>PRDM9</i>	<i>POSTN</i>
<i>ANKRD22</i>	<i>PRC1</i>
<i>MACROD2</i>	<i>FAM101A</i>
<i>ODZ4</i>	<i>KCNN4</i>
<i>PDE2A</i>	<i>HHIP</i>
<i>MGC14436</i>	<i>FCN3</i>
<i>PKMYT1</i>	<i>C8orf73</i>
<i>CNTNAP4</i>	<i>ABCC3</i>
<i>TM4SF19</i>	<i>C6orf174</i>
<i>PRDM16</i>	<i>CA7</i>
<i>C20orf186</i>	<i>ABCA9</i>
<i>MNDA</i>	<i>ADAMTS12</i>
<i>C2CD4A</i>	<i>SELP</i>
<i>EMP2</i>	<i>FNDC1</i>
<i>RAB6B</i>	<i>CXCL2</i>
<i>KRT15</i>	<i>NXPH1</i>
<i>LGR4</i>	<i>KIF18B</i>
<i>LRFN2</i>	<i>NT5E</i>
<i>CDCA8</i>	<i>SCUBE1</i>
<i>IGSF9</i>	<i>KRT80</i>
<i>TRIM29</i>	<i>ONECUT3</i>
<i>WNT10A</i>	<i>CDCA8</i>
<i>TMPRSS4</i>	<i>IGFBP3</i>
<i>COL6A6</i>	<i>SLC6A3</i>
<i>FANCE</i>	<i>PLK1</i>

<i>LCE3A</i>	<i>HBB</i>
<i>RAB37</i>	<i>C4orf26</i>
<i>ALDH3B2</i>	<i>KIAA1199</i>
<i>ODZ2</i>	<i>ADAMTS8</i>
<i>SEMA4B</i>	<i>KCNK3</i>
<i>ADAM23</i>	<i>CDO1</i>
<i>FAM167A</i>	<i>IGFL3</i>
<i>CPA3</i>	<i>VGLL2</i>
<i>CPAMD8</i>	<i>FGFR4</i>
<i>NECAB1</i>	<i>DBNDD1</i>
<i>DAPL1</i>	<i>AVPR1B</i>
<i>C10orf99</i>	<i>WNT3A</i>
<i>GJB3</i>	<i>GPIHBP1</i>
<i>PDE4C</i>	<i>PTTG1</i>
<i>FBXO27</i>	<i>NGEF</i>
<i>SPRR1A</i>	<i>LYVE1</i>
<i>PERP</i>	<i>ALDH3B2</i>
<i>CYP4F11</i>	<i>ACOXL</i>
<i>DSG1</i>	<i>FAM162B</i>
<i>ECSCR</i>	<i>DES</i>
<i>EDNRB</i>	<i>PDK4</i>
<i>MMP1</i>	<i>RTL1</i>
<i>CLEC3B</i>	<i>CLEC3A</i>
<i>LGALS7B</i>	<i>GABRA5</i>
<i>PTPRZ1</i>	<i>SFTPC</i>
<i>MARCO</i>	<i>WIF1</i>
<i>PGR</i>	<i>KC6</i>
<i>GPR133</i>	<i>LOC84740</i>
<i>SMAD6</i>	<i>FUT3</i>

<i>SPAG6</i>	<i>NCAPH</i>
<i>FGR</i>	<i>CBX2</i>
<i>MS4A8B</i>	<i>B3GNT6</i>
<i>CSTA</i>	<i>KRT6A</i>
<i>CA3</i>	<i>MSMP</i>
<i>DSC3</i>	<i>DSP</i>
<i>SDPR</i>	<i>CDK5R1</i>
<i>ATAD5</i>	<i>PCSK2</i>
<i>CXCR1</i>	<i>CPXM1</i>
<i>CYP4B1</i>	<i>CAMKV</i>
<i>ROS1</i>	<i>SLC5A9</i>
<i>ACOX2</i>	<i>SLC38A8</i>
<i>ADCY4</i>	<i>LRFN2</i>
<i>F2RL3</i>	<i>COL1A2</i>
<i>CHIA</i>	<i>LTBP4</i>
<i>ALDH3B1</i>	<i>TNFRSF21</i>
<i>S1PR4</i>	<i>POU2AF1</i>
<i>C20orf56</i>	<i>ROBO4</i>
<i>TMEM100</i>	<i>NCKAP5</i>
<i>PAX9</i>	<i>C14orf162</i>
<i>KRT6A</i>	<i>KRT23</i>
<i>GSDMC</i>	<i>AGT</i>
<i>PHYHD1</i>	<i>CPLX2</i>
<i>MAFA</i>	<i>EPAS1</i>
<i>C1orf130</i>	<i>SIRPB1</i>
<i>KLK8</i>	<i>GLYATL1</i>
<i>C1orf68</i>	<i>ANGPT1</i>
<i>PPP2R2C</i>	<i>C15orf48</i>
<i>FERMT1</i>	<i>AK3L1</i>

<i>NDRG1</i>	<i>ABCA4</i>
<i>NR4A1</i>	<i>KL</i>
<i>CLIC5</i>	<i>HMGA2</i>
<i>AMTN</i>	<i>FGR</i>
<i>SELENBP1</i>	<i>BHMT2</i>
<i>KRT75</i>	<i>C13orf36</i>
<i>CCRL2</i>	<i>DKK2</i>
<i>ALDH3A1</i>	<i>SOX7</i>
<i>HHATL</i>	<i>FHL5</i>
<i>PI3</i>	<i>FOXF1</i>
<i>GABRB1</i>	<i>NPSR1</i>
<i>PLA2G2A</i>	<i>PROM2</i>
<i>RETN</i>	<i>FA2H</i>
<i>MS4A6E</i>	<i>SELE</i>
<i>KIAA0802</i>	<i>TM4SF4</i>
<i>IGF2BP3</i>	<i>FOXL2</i>
<i>OVOL1</i>	<i>BMP8A</i>
<i>SLC7A11</i>	<i>GCOM1</i>
<i>CABYR</i>	<i>APOA4</i>
<i>PLA2G1B</i>	<i>LECT1</i>
<i>CILP2</i>	<i>BMPER</i>
<i>ADAMTS8</i>	<i>MUC21</i>
<i>HELLS</i>	<i>NDRG4</i>
<i>LADI</i>	<i>FAM92B</i>
<i>ITGA11</i>	<i>MTMR7</i>
<i>HOXB9</i>	<i>VCAN</i>
<i>CCL14</i>	<i>SYT13</i>
<i>SIRPB1</i>	<i>PNLIPRP3</i>
<i>FHL5</i>	<i>NPTX1</i>

<i>CBR3</i>	<i>COL6A6</i>
<i>TTLL12</i>	<i>PDZD2</i>
<i>EPHA1</i>	<i>HTR3A</i>
<i>SFRP5</i>	<i>UNC93A</i>
<i>FOXA2</i>	<i>FUT2</i>
<i>AATK</i>	<i>EFNA2</i>
<i>AGXT</i>	<i>ADH1B</i>
<i>COL29A1</i>	<i>PRDM9</i>
<i>JUP</i>	<i>TSPAN8</i>
<i>MUC21</i>	<i>GINS2</i>
<i>TMEM79</i>	<i>CLIC5</i>
<i>OPRD1</i>	<i>FNDC4</i>
<i>COL22A1</i>	<i>SLC7A11</i>
<i>C1orf106</i>	<i>ADAMTSL3</i>
<i>KLHDC7B</i>	<i>SCN7A</i>
<i>PHOX2A</i>	<i>PVRL4</i>
<i>DKK4</i>	<i>CLEC1A</i>
<i>NCAPG</i>	<i>B3GNT3</i>
<i>B4GALNT1</i>	<i>SEMA6D</i>
<i>DLK1</i>	<i>PLUNC</i>
<i>FPR1</i>	<i>CEACAM5</i>
<i>NEFL</i>	<i>CBLC</i>
<i>LMO3</i>	<i>GINS4</i>
<i>EFNA3</i>	<i>VTCN1</i>
<i>MLPH</i>	<i>ADM2</i>
<i>LASS3</i>	<i>EPR1</i>
<i>RNASEH2A</i>	<i>RHOV</i>
<i>CCDC19</i>	<i>NEK2</i>
<i>FNDC1</i>	<i>ABP1</i>

<i>VWA3B</i>	<i>DUOX2</i>
<i>PVRL4</i>	<i>NKX6-1</i>
<i>EXOC3L</i>	<i>MFAP4</i>
<i>MMP11</i>	<i>CHEK1</i>
<i>MYB</i>	<i>GJB3</i>
<i>CXCL13</i>	<i>TPPP3</i>
<i>PIWIL1</i>	<i>PLA2G2A</i>
<i>GIMAP8</i>	<i>CILP2</i>
<i>C17orf72</i>	<i>RET</i>
<i>SLCO1B1</i>	<i>FGL1</i>
<i>CYP24A1</i>	<i>TFF1</i>
<i>CD34</i>	<i>IGF2BP3</i>
<i>SSTR5</i>	<i>DIO2</i>
<i>MCM6</i>	<i>KCNT2</i>
<i>CCDC85A</i>	<i>DARC</i>
<i>C20orf85</i>	<i>TMPRSS4</i>
<i>S100A8</i>	<i>GPM6A</i>
<i>PKD4</i>	<i>MTIM</i>
<i>TH</i>	<i>KLK5</i>
<i>FGF19</i>	<i>MUC6</i>
<i>C2orf40</i>	<i>F11</i>
<i>SMOX</i>	<i>CELSR3</i>
<i>SPAG5</i>	<i>VEPH1</i>
<i>DLK2</i>	<i>MARCO</i>
<i>PCDH12</i>	<i>GPRIN1</i>
<i>CD109</i>	<i>EEF1A2</i>
<i>KANK2</i>	<i>JAM2</i>
<i>TFAP2C</i>	<i>ANLN</i>
<i>MRAP2</i>	<i>CLEC3B</i>

<i>UNC93A</i>	<i>RFX6</i>
<i>BEST2</i>	<i>MMP11</i>
<i>TIE1</i>	<i>PCOLCE2</i>
<i>KCNQ2</i>	<i>GABRP</i>
<i>GGH</i>	<i>PITX1</i>
<i>APOBEC1</i>	<i>EDN2</i>
<i>HYAL1</i>	<i>AGER</i>
<i>BUB1B</i>	<i>LOC284798</i>
<i>HYDIN</i>	<i>ESPL1</i>
<i>COX8C</i>	<i>PTPRH</i>
<i>ACVRL1</i>	<i>OSCAR</i>
<i>CDC25A</i>	<i>LOC149620</i>
<i>MDGA2</i>	<i>TMEM100</i>
<i>KMO</i>	<i>ALOX15</i>
<i>CX3CR1</i>	<i>KRT15</i>
<i>F10</i>	<i>SYT15</i>
<i>HHIP</i>	<i>HES6</i>
<i>SOX15</i>	<i>UBE2U</i>
<i>KLK10</i>	<i>AQP4</i>
<i>FILIP1</i>	<i>CSF3</i>
<i>A2M</i>	<i>H19</i>
<i>UBE2C</i>	<i>GJB2</i>
<i>C11orf9</i>	<i>COL1A1</i>
<i>LRRC15</i>	<i>CST1</i>
<i>UGT2A1</i>	<i>HBEGF</i>
<i>FGFR4</i>	<i>CCDC17</i>
<i>IQGAP3</i>	<i>SLC46A2</i>
<i>NPTX2</i>	<i>SCGB1A1</i>
<i>HBB</i>	<i>FPR2</i>

<i>TP63</i>	<i>STYK1</i>
<i>CD302</i>	<i>AHNAK2</i>
<i>GRASP</i>	<i>STXBP6</i>
<i>DNTT</i>	<i>PHACTR1</i>
<i>LOC93432</i>	<i>LOC283404</i>
<i>ABCA4</i>	<i>SLIT2</i>
<i>HTR1E</i>	<i>EZH2</i>
<i>MT1A</i>	<i>C10orf116</i>
<i>ATCAY</i>	<i>PLEK2</i>
<i>CLDN18</i>	<i>TUBB2B</i>
<i>NCKAP5</i>	<i>HIGD1B</i>
<i>GPX2</i>	<i>CNTN6</i>
<i>EDN2</i>	<i>STX11</i>
<i>FKBP4</i>	<i>CLDN6</i>
<i>GJB6</i>	<i>PKNOX2</i>
<i>PHACTR1</i>	<i>DUOX1</i>
<i>CDKL2</i>	<i>SPP1</i>
<i>PRR15L</i>	<i>TF</i>
<i>WIF1</i>	<i>RETN</i>
<i>STEAP1</i>	<i>ERO1L</i>
<i>ALDH1L1</i>	<i>CDH2</i>
<i>GPD1L</i>	<i>CAV2</i>
<i>NRGN</i>	<i>RHBDL2</i>
<i>COL1A1</i>	<i>GPX2</i>
<i>MUC13</i>	<i>PPAP2C</i>
<i>NEK2</i>	<i>ESPN</i>
<i>GINS2</i>	<i>FCRL5</i>
<i>KL</i>	<i>RFPL4B</i>
<i>SYT16</i>	<i>CYS1</i>

<i>TMPRSS2</i>	<i>CA4</i>
<i>PTTG1</i>	<i>DNASE1L3</i>
<i>GBX2</i>	<i>KIFC1</i>
<i>ZBTB16</i>	<i>PBK</i>
<i>POU2F3</i>	<i>OLR1</i>
<i>TNFRSF18</i>	<i>GIMAP8</i>
<i>PLEKHG4B</i>	<i>FANCI</i>
<i>C20orf160</i>	<i>ACADL</i>
<i>CEL</i>	<i>MGC29506</i>
<i>C13orf15</i>	<i>SMOC1</i>
<i>TPPP3</i>	<i>LRRC32</i>
<i>C1orf74</i>	<i>LRRC36</i>
<i>DARC</i>	<i>CCNF</i>
<i>CAPN9</i>	<i>MS4A7</i>
<i>KIFC1</i>	<i>HOXB7</i>
<i>ANLN</i>	<i>PANX2</i>
<i>GREM1</i>	<i>LRRC15</i>
<i>MS4A7</i>	<i>GKN1</i>
<i>NCAPH</i>	<i>IL4I1</i>
<i>LMO7</i>	<i>CCDC48</i>
<i>CCDC17</i>	<i>METTL7B</i>
<i>RSPH1</i>	<i>LOC116437</i>
<i>SORD</i>	<i>KCNE4</i>
<i>CA7</i>	<i>MFI2</i>
<i>NRSN1</i>	<i>RBP4</i>
<i>PITX1</i>	<i>NKX1-2</i>
<i>PPP1R16B</i>	<i>ITGA11</i>
<i>FGD5</i>	<i>ADAM8</i>
<i>PARD6G</i>	<i>C14orf132</i>

<i>RNASE1</i>	<i>SSTR1</i>
<i>NRARP</i>	<i>ATOH7</i>
<i>LOC146336</i>	<i>CAPN3</i>
<i>FAM184A</i>	<i>MTNR1A</i>
<i>RHBDL2</i>	<i>NTRK2</i>
<i>FAM162B</i>	<i>KIF11</i>
<i>KIAA1683</i>	<i>COMP</i>
<i>FOLR1</i>	<i>LCN2</i>
<i>GAPDH</i>	<i>LGALS4</i>
<i>ICAM2</i>	<i>MUC5B</i>
<i>KCNA3</i>	<i>FAP</i>
<i>DNASE1L3</i>	<i>AKR1C1</i>
<i>GABRP</i>	<i>SBK1</i>
<i>KCTD1</i>	<i>LIMS2</i>
<i>AKR1C2</i>	<i>DKK1</i>
<i>PBK</i>	<i>TGM1</i>
<i>AQP1</i>	<i>NPR1</i>
<i>LTB4R2</i>	<i>GALNT6</i>
<i>CSRNP1</i>	<i>C3orf30</i>
<i>RASGRP2</i>	<i>SFTPD</i>
<i>CD300LG</i>	<i>TGFBR3</i>
<i>GPRIN1</i>	<i>C20orf160</i>
<i>GDF10</i>	<i>SLC14A1</i>
<i>EPN3</i>	<i>SPAG5</i>
<i>MMRN2</i>	<i>RPL13AP17</i>
<i>LILRA5</i>	<i>C8B</i>
<i>CDK5R1</i>	<i>QPCT</i>
<i>SBK1</i>	<i>PLA2G1B</i>
<i>MFAP4</i>	<i>FAM189A2</i>

<i>MFSD2A</i>	<i>TCF21</i>
<i>PNMA2</i>	<i>KIAA1683</i>
<i>SYT7</i>	<i>WNK2</i>
<i>UBXN10</i>	<i>GLDN</i>
<i>SCGB3A1</i>	<i>COL5A1</i>
<i>LOC723809</i>	<i>TNXB</i>
<i>C1orf116</i>	<i>UGT8</i>
<i>C10orf116</i>	<i>CYP4B1</i>
<i>TMEM125</i>	<i>TMEM59L</i>
<i>SULT2A1</i>	<i>PRAME</i>
<i>RFC4</i>	<i>WISP1</i>
<i>GMPS</i>	<i>COL7A1</i>
<i>GCOM1</i>	<i>GYLTL1B</i>
<i>DSG2</i>	<i>SLC2A1</i>
<i>SPN</i>	<i>S100P</i>
<i>CENPM</i>	<i>SMR3B</i>
<i>GPBR</i>	<i>GRASP</i>
<i>GPM6A</i>	<i>EIF4E1B</i>
<i>SIX4</i>	<i>TNSI</i>
<i>ENG</i>	<i>THBD</i>
<i>GCLC</i>	<i>UGT1A6</i>
<i>CCDC68</i>	<i>SLC6A4</i>
<i>POSTN</i>	<i>UCHL1</i>
<i>GNG11</i>	<i>FMO2</i>
<i>PKP1</i>	<i>COX4I2</i>
<i>OLR1</i>	<i>ARC</i>
<i>EEF1A2</i>	<i>IGSF10</i>
<i>DKK1</i>	<i>NMNAT2</i>
<i>GRTP1</i>	<i>BARX2</i>

<i>SFTA2</i>	<i>CDC6</i>
<i>ARRB1</i>	<i>ANKRD1</i>
<i>ITGA8</i>	<i>GALNT14</i>
<i>C4orf26</i>	<i>SYT12</i>
<i>EPAS1</i>	<i>KDEL3</i>
<i>SELV</i>	<i>STRA6</i>
<i>FOLH1</i>	<i>HHIPL2</i>
<i>PSAT1</i>	<i>VIPR1</i>
<i>TROAP</i>	<i>TTK</i>
<i>LOC731789</i>	<i>CLDN18</i>
<i>HSPA12B</i>	<i>FAM107A</i>
<i>ADAMTS12</i>	<i>CYP24A1</i>
<i>DPCR1</i>	<i>GPX3</i>
<i>RICH2</i>	<i>SERINC2</i>
<i>CENPA</i>	<i>C7orf52</i>
<i>TAC1</i>	<i>CXCL14</i>
<i>ADH7</i>	<i>C14orf139</i>
<i>CDH7</i>	<i>RTKN2</i>
<i>KRT6C</i>	<i>SEMA3G</i>
<i>STX11</i>	<i>KRT81</i>
<i>FPR2</i>	<i>ACHE</i>
<i>BMP8A</i>	<i>IL1RL1</i>
<i>VANGL2</i>	<i>ADAMTS1</i>
<i>NLRC4</i>	<i>PKP1</i>
<i>B3GNT3</i>	<i>MUC4</i>
<i>C15orf42</i>	<i>BUB1</i>
<i>SCUBE1</i>	<i>SYT7</i>
<i>SMOC1</i>	<i>KPNA2</i>
<i>C6orf174</i>	<i>LOXL2</i>

<i>ROBO4</i>	<i>GPRIN2</i>
<i>ESYT3</i>	<i>TMPRSS6</i>
<i>FAP</i>	<i>ABI3BP</i>
<i>CSF3R</i>	<i>PTGES</i>
<i>C10orf10</i>	<i>GHR</i>
<i>GMFG</i>	<i>REEP6</i>
<i>CRABP2</i>	<i>CENPE</i>
<i>RGMA</i>	<i>TFF3</i>
<i>DNAH9</i>	<i>CDH3</i>
<i>WFDC1</i>	<i>EPN3</i>
<i>TNFSF13</i>	<i>MYBPC1</i>
<i>RRAD</i>	<i>MARCKSL1</i>
<i>VNN2</i>	<i>ECT2</i>
<i>SESN3</i>	<i>CDA</i>
<i>HOXB13</i>	<i>SPOCK2</i>
<i>CASS4</i>	<i>GINS1</i>
<i>PGC</i>	<i>RAC3</i>
<i>RBP1</i>	<i>ADAM12</i>
<i>NXPH4</i>	<i>C10orf71</i>
<i>KRT19</i>	<i>RAMP3</i>
<i>CLEC14A</i>	<i>EREG</i>
<i>LY6D</i>	<i>TPBG</i>
<i>PSCA</i>	<i>PSAT1</i>
<i>CAMKV</i>	<i>CFD</i>
<i>EXO1</i>	<i>GLIPR2</i>
<i>PRX</i>	<i>SEMA3A</i>
<i>IGFBP3</i>	<i>SLC16A9</i>
<i>ESPNP</i>	<i>MCM4</i>
<i>ESPN</i>	<i>THBS2</i>

<i>FIGX</i>	<i>GCLC</i>
<i>FZD10</i>	<i>SERPINE2</i>
<i>DUSP1</i>	<i>GOLM1</i>
<i>SCGB3A2</i>	<i>C8orf84</i>
<i>KIAA1462</i>	<i>BCL2L15</i>
<i>PRR4</i>	<i>CACNA2D2</i>
<i>ALDH2</i>	<i>SLC17A9</i>
<i>GKN2</i>	<i>TESC</i>
<i>IRF6</i>	<i>COL5A2</i>
<i>BARX2</i>	<i>FHL2</i>
<i>WISP1</i>	<i>SOSTDC1</i>
<i>FXYD1</i>	<i>CHGB</i>
<i>UHRF1</i>	<i>LDB2</i>
<i>EPR1</i>	<i>SPTBN2</i>
<i>BRCA1</i>	<i>TUBB3</i>
<i>PLEKHH2</i>	<i>NDST4</i>
<i>ABCA9</i>	<i>TMEM132A</i>
<i>KANK3</i>	<i>UPK1B</i>
<i>PPAP2C</i>	<i>DLGAP5</i>
<i>ASPM</i>	<i>SEMA6A</i>
<i>C5orf13</i>	<i>PAEP</i>
<i>TMEM132A</i>	<i>DUSP4</i>
<i>IL6</i>	<i>CRABP2</i>
<i>HIGD1B</i>	<i>SC65</i>
<i>DKK2</i>	<i>FBXO32</i>
<i>TMEM158</i>	<i>SLC1A7</i>
<i>TMEM20</i>	<i>COL3A1</i>
<i>KIF11</i>	<i>SDPR</i>
<i>NPPB</i>	<i>CILP</i>

<i>ACADL</i>	<i>SPN</i>
<i>COL7A1</i>	<i>PODXL2</i>
<i>EMR1</i>	<i>HIST1H1B</i>
<i>SGCA</i>	<i>CRLF1</i>
<i>CLCA2</i>	<i>KIAA0101</i>
<i>PLOD2</i>	<i>WDR62</i>
<i>PANX2</i>	<i>RNASE10</i>
<i>PROM2</i>	<i>NUF2</i>
<i>CPLX3</i>	<i>PLOD2</i>
<i>ALOX5AP</i>	<i>SULF1</i>
<i>HPGDS</i>	<i>UHRF1</i>
<i>BNC1</i>	<i>ANKRD29</i>
<i>AADA3L3</i>	<i>PEBP4</i>
<i>SPC25</i>	<i>GKN2</i>
<i>RTP3</i>	<i>RCN3</i>
<i>B4GALT4</i>	<i>HSPB8</i>
<i>ANK2</i>	<i>EYA2</i>
<i>SERPINA12</i>	<i>DACHI</i>
<i>B4GALNT4</i>	<i>ALDH3A1</i>
<i>CYBRD1</i>	<i>PCDH9</i>
<i>MCM8</i>	<i>FAM83D</i>
<i>ABCA6</i>	
<i>CPLX2</i>	
<i>LYVE1</i>	
<i>C19orf45</i>	
<i>WISP2</i>	
<i>E2F2</i>	
<i>DMBT1</i>	
<i>AHNAK2</i>	

MYBL2
SPARCL1
C20orf114
C1orf94
WFS1
MMP13
PTGES
LY86
LIFR
C1orf157
LYPD6B
MFAP2
PLD1
PPP1R14A
BTBD11
DENND2A
GALNT14
SFTA1P
BCL6B
CXCL2
CBX2
THBS2
ARHGAP29
SLC2A1
XKR7
ITIH5
LRRC46
SPP1
FAM57B

DSP
ATP11A
SELP
PLEK2
SUSD4
VSIG2
C13orf36
MYBPC1
C17orf53
COX4I2
HSPB7
CA4
FABP4
C5orf4
VSTM2B
SPATA21
C12orf77
ATP1A2
BIK
CST1
CSF3
TGFA
ADM2
GPX3
LOC153328
TNNT1
LRP8
MTIM
COBL

FABP3

FUT2

GJA4

HMGA2

NINJ2

SCTR

GCLM

ABCB6

RND1

SELE

SH3BP5

VIPRI

DOK2

C16orf89

PIGR

S100A2

C4orf31

ALG3

NDUFA4L2

LHX1

TMEM179

C4BPA

SCARA5

SLC38A8

NPM3

KRT13

AQP4

EPHB3

CCDC34

FGFBP2

SLC44A5

AURKB

CALML5

HMGAI

SGOL2

FANCI

CHI3L2

FAM83A

SPRR2A

CAPN3

SEMA3B

PEBP4

EGFR

VEPH1

MIF

DMP1

RHOV

ACTL6A

FABP7

DEFA4

RTKN2

3-Sep

C1QTNF7

CD55

LRRC36

EIF5A2

ECT2

PENK

KLF2
KCNT2
EZH2
RAB17
H19
LIMCH1
ABLIM3
SPRR2D
CADM1
NR5A2
FLRT3
GLIPR2
CYP27A1
C6orf97
DIO2
TBR1
COLEC12
PREX2
PRB2
LOC84740
S100A9
RNASE4
SYT10
C7orf58
S1PR5
EMCN
PECAM1
SMO
LRRN4

LRRC55

BMP7

AKR1C3

FMO5

SLC4A11

EIF4EBP1

SPRR3

XDH

TNFRSF10C

CYP26A1

RORC

TUBB2B

FGF11

GNG7

DLGAP5

KIF1A

TGFBR2

TNXB

SCN7A

RBP4

DSCC1

KRT23

RHOJ

FCN3

BPIL2

NEDD9

FAM107A

NTRK2

FOSB

GLYATL1

IL22RA1

PTPRN2

SLC6A20

SIX1

F2RL2

TTK

FHOD3

GIMAP7

PLA1A

PCSK2

CYB5A

STEAP4

FAM83C

HOPX

KIAA0101

BCL11A

SVEP1

CACNA1D

SOX14

GADD45B

CCNE1

FIGNL1

RHCG

NOTCH4

PLAU

VSIG10L

LST1

CNR1

ZNF703
SERPINB7
GLDN
JAM2
CD300C
ST3GAL5
SLIT3
CGNLI
FAM19A4
ATP13A4
EDARADD
FAM84A
NRIP3
FAM83B
ZNF385B
SLC4A4
HEPHL1
LDB2
KLF15
TRPV2
ALPL
CD101
ABI3BP
SLC11A1
ALOX15B
GINS1
SERPINB11
LYPD3
C13orf30

KLC3
SCN4B
SFTPC
ROR1
GIMAP4
RHOBTB2
GPA33
HR
ERO1L
OSCAR
SPOCK2
NTN4
NKX2-1
TNS4
MYCL1
KRT80
RNASE7
SULF1
PTGR1
SBSN
ADAMTSL3
PRAMI
TPBG
PODXL2
PGBD5
CLDN5
CAPN8
PLK1
AQP9

IL1RL1
NOS2
RASSF6
RAD54L
KNDC1
CRTAC1
GPRC5A
NCCRP1
ABCC5
GSTM2
SIX2
LRRC32
CNTNAP2
C11orf93
HES2
SC65
ARC
FETUB
IGFL1
RASGEF1C
BSND
CCL19
CPM
CLDN17
PHGDH
BAI2
TCF21
USHBP1
ATOH8

SOD3

PIP5K1B

PRG4

C1orf88

NPRI

LRP2BP

ADAMDEC1

FJX1

SLC6A15

COL9A2

SYNE1

RAMP3

PMAIP1

COL3A1

FOXM1

TGM3

CFD

ARHGEF15

NLRP10

UPK1B

MEX3A

CLCN2

LAMA1

PLCH2

IGF2BP1

SGMS2

VWF

KRT14

MYCT1

ALDH1A2

RAC3

ATOH7

PCDP1

FRY

NUDT1

COL5A2

CHEK1

PLA2G4F

RPL3L

SLC39A8

AOX1

LGR5

MCM4

TEKT1

CLDN10

RAD54B

CNTN6

ITGB8

GIMAP1

CDT1

SFTPD

FANCA

SERPINA1

GNA14

FGFBP1

SORBS2

E2F7

CDK1

C1orf173
FSCN1
SLC46A2
PRRX2
FBXO32
TSPAN12
FOXF1
PADI3
ZFP36
SLC44A4
MAPK8IP2
ITLN2
ANGPT1
MS4A2
CXCL14
SOX9
CYB5R2
DRAM1
AKR1C4
SNTN
CTSH
CYP2B7P1
DEFB1
PVRL1
KRT1
DEPDC1B
C8B
MMP12
RASGRF1

SLCO4C1

LPL

ESPL1

ETNK2

SPOCK1

MFI2

AIM1L

SCG2

CD69

MIAT

SCGB1A1

ACRV1

CCDC48

NQO1

SYT15

SRXN1

DCDC2

KRT31

GPR115

DNAH17

SERPINB2

STRA6

RPS6KA2

LIMS2

SLC2A5

LRRK2

ICAM4

TIMELESS

KIF23

FBN2
FST
DEPDC1
CDCA4
SPRR1B
RECQL4
GJB2
FAM105A
FMO2
MCM2
GINS3
ANKRD1
KIF18B
MAD2L1
BDH1
PTHLH
NIPAL4
GPRIN2
SEMA3G
KRT76
MS4A15
C10orf79
SLIT2
CDC6
SSTR1
LMNB2
C11orf88
BTNL9
TMEM139

TCHHL1
SLC16A9
HBA2
LGALS7
AKR1B10
TRIP13
CD97
KRT83
PAICS
HPGD
RASL12
TRIM7
ITLN1
C2orf39
SLC4A3
ZP1
TREMI
EPHB2
TUBB3
MLF1IP
FGB
CAT
PKNOX2
AGR3
PFN2
EYA2
NR2F1
CDKN3
FBLN5

TMEM117

IGF2BP2

GATA6

KCNC1

FBP1

RAB38

UGT8

GYLTL1B

BUB1

ANXA3

LOXL2

PID1

SEMA3E

WSCD1

SULF2

HAP1

SFTPA1

MMP9

NTN3

KIF26B

SLC6A4

DNAH10

CELSR2

SERPINE2

ACOXL

ACE

POM121L2

CDH2

GPT2

WNK2

CPA2

NGFR

NCAPD2

TBX2

MMP10

GRHL1

CAVI

SUSD2

DPYSL2

C8orf4

NR3C2

C7orf52

TNNC1

Table SVI. Result of instrument variable analysis in lung adenocarcinoma.

Gene	β	HR	P-value	lower.95	upper.95	test.ph	FDR
<i>ARNTL2</i>	0.0358597	1.03651	1.81×10^{-4}	1.017232	1.056155	0.623437	0.028794
<i>SEMA3G</i>	-0.459095	0.631855	6.79×10^{-5}	0.504102	0.791985	0.763674	0.028794
<i>SDPR</i>	-0.020534	0.979675	1.38×10^{-4}	0.969384	0.990076	0.930034	0.028794
<i>CLIC5</i>	-0.012767	0.987314	7.39×10^{-4}	0.980021	0.994662	0.773579	0.070356
<i>LIMS2</i>	-0.078548	0.924458	6.22×10^{-4}	0.883788	0.966999	0.605223	0.070356
<i>EMP2</i>	-0.002848	0.997156	2.52×10^{-3}	0.995316	0.999	0.886507	0.150464
<i>CA7</i>	-20.43305	0.000000	2.53×10^{-3}	0.000000	0.000768	0.600655	0.150464
<i>LOC116437</i>	-1.956454	0.141359	2.25×10^{-3}	0.040299	0.495849	0.728219	0.150464
<i>TBX4</i>	-0.057964	0.943684	5.28×10^{-3}	0.906024	0.982909	0.618103	0.221727
<i>TFAP2A</i>	0.0239482	1.024237	5.49×10^{-3}	1.007068	1.041699	0.685912	0.221727
<i>ODZ4</i>	-0.052329	0.949016	5.77×10^{-3}	0.914403	0.984941	0.981998	0.221727
<i>CYP4B1</i>	-0.004007	0.996001	4.40×10^{-3}	0.993258	0.998752	0.874122	0.221727
<i>EIF4E1B</i>	0.9422133	2.565654	6.06×10^{-3}	1.309181	5.028012	0.832161	0.221727
<i>MYEOV</i>	0.0068736	1.006897	9.04×10^{-3}	1.001714	1.012107	0.858564	0.239046
<i>PHOX2B</i>	-0.360669	0.69721	7.85×10^{-3}	0.534415	0.909596	0.823824	0.239046

<i>DUOX1</i>	-0.007837	0.992194	8.66x10 ⁻³	0.986406	0.998016	0.663412	0.239046
<i>ECT2</i>	0.0081722	1.008206	8.41x10 ⁻³	1.002096	1.014353	0.900131	0.239046
<i>PEBP4</i>	-0.017642	0.982513	7.99x10 ⁻³	0.969787	0.995405	0.919358	0.239046
<i>IGFL3</i>	4.1892247	65.97162	9.60x10 ⁻³	2.770648	1570.844	0.870367	0.240432
<i>CDCA7</i>	-0.0347	0.965895	1.19x10 ⁻²	0.940126	0.992371	0.892137	0.260311
<i>SLC46A2</i>	-0.017503	0.982649	1.20x10 ⁻²	0.969317	0.996165	0.672831	0.260311
<i>LRRC32</i>	-0.054871	0.946608	1.13x10 ⁻²	0.907241	0.987682	0.782228	0.260311
<i>CRYAB</i>	-0.057742	0.943894	1.45x10 ⁻²	0.901199	0.988611	0.905775	0.299814
<i>ZBTB16</i>	-0.123002	0.884262	1.68x10 ⁻²	0.799448	0.978073	0.795076	0.333317
<i>DPEP2</i>	-0.113747	0.892484	1.89x10 ⁻²	0.811625	0.981399	0.690168	0.339248
<i>CCDC85A</i>	-0.074663	0.928056	1.92x10 ⁻²	0.871814	0.987926	0.901366	0.339248
<i>SFTPC</i>	-0.00025	0.99975	1.79x10 ⁻²	0.999542	0.999957	0.645792	0.339248
<i>GKN2</i>	-0.008994	0.991046	2.01x10 ⁻²	0.983559	0.99859	0.639316	0.341647
<i>TCF21</i>	-0.038801	0.961942	2.30x10 ⁻²	0.930304	0.994656	0.806756	0.376973
<i>ABPI</i>	-0.004322	0.995687	2.46x10 ⁻²	0.991943	0.999446	0.991381	0.377012
<i>ADAMTS1</i>	-0.020336	0.979869	2.44x10 ⁻²	0.962673	0.997373	0.776024	0.377012
<i>FAM162B</i>	-0.657806	0.517986	2.68x10 ⁻²	0.289397	0.927136	0.834232	0.398387

<i>MDGA2</i>	0.4173545	1.51794	3.10x10 ⁻²	1.038782	2.218121	0.884079	0.434549
<i>CNTN6</i>	-0.177791	0.837117	3.07x10 ⁻²	0.712419	0.983643	0.843845	0.434549
<i>IGF2BP3</i>	0.0060297	1.006048	3.23x10 ⁻²	1.00051	1.011617	0.944993	0.439066
<i>NECAB1</i>	-0.124638	0.882816	3.61x10 ⁻²	0.785682	0.991959	0.80248	0.475128
<i>DUSP4</i>	-0.007037	0.992988	3.69x10 ⁻²	0.986445	0.999573	0.866926	0.475128
<i>CA3</i>	-0.134693	0.873984	4.18x10 ⁻²	0.767658	0.995037	0.901881	0.504515
<i>RRM2</i>	0.0066801	1.006702	4.65x10 ⁻²	1.000104	1.013344	0.918297	0.504515
<i>AFF3</i>	-0.018451	0.981718	4.41x10 ⁻²	0.964241	0.999513	0.814939	0.504515
<i>COL17A1</i>	0.0015525	1.001554	4.56x10 ⁻²	1.000031	1.003079	0.890626	0.504515
<i>KCNN4</i>	0.0084455	1.008481	4.43x10 ⁻²	1.000213	1.016817	0.720085	0.504515
<i>MTIM</i>	-0.167141	0.846081	4.66x10 ⁻²	0.717636	0.997514	0.757863	0.504515
<i>PLA2G1B</i>	-0.074445	0.928259	4.64x10 ⁻²	0.862701	0.998798	0.94658	0.504515
<i>PRC1</i>	0.0129866	1.013071	4.99x10 ⁻²	1.000007	1.026306	0.966846	0.505058
<i>LYVE1</i>	-0.081313	0.921905	4.88x10 ⁻²	0.850277	0.999567	0.707353	0.505058
<i>CAV2</i>	-0.009478	0.990567	4.94x10 ⁻²	0.981245	0.999977	0.699231	0.505058
<i>GLIPR2</i>	0.2286765	1.256935	5.12x10 ⁻²	0.998841	1.581719	0.732526	0.507406
<i>EPRI</i>	0.0260493	1.026392	5.40x10 ⁻²	0.999555	1.053949	0.971879	0.513851

<i>LOC284798</i>	-0.554132	0.574571	5.38x10 ⁻²	0.327146	1.009126	0.700729	0.513851
<i>VIPRI</i>	0.1352213	1.14479	5.56x10 ⁻²	0.996769	1.314793	0.741953	0.518942
<i>COL7A1</i>	-0.497765	0.607888	5.69x10 ⁻²	0.364134	1.014813	0.629741	0.521275
<i>PVRL4</i>	-0.006124	0.993894	6.09x10 ⁻²	0.98755	1.00028	0.839648	0.546885
<i>HTR3A</i>	-0.085803	0.917775	6.27x10 ⁻²	0.838496	1.00455	0.645182	0.552481
<i>MSMP</i>	-0.011688	0.98838	6.45x10 ⁻²	0.976208	1.000704	0.970523	0.558296
<i>LOC149620</i>	-0.291451	0.747179	6.62x10 ⁻²	0.547499	1.019683	0.869553	0.56266
<i>KRT15</i>	-0.002827	0.997177	6.91x10 ⁻²	0.994142	1.000222	0.541127	0.573631
<i>SLC1A7</i>	0.0340066	1.034591	6.99x10 ⁻²	0.997239	1.073343	0.65177	0.573631
<i>LYPD1</i>	0.0460591	1.047136	7.58x10 ⁻²	0.995223	1.101757	0.606757	0.578034
<i>CALCA</i>	-0.000149	0.999851	7.62x10 ⁻²	0.999686	1.000016	0.728598	0.578034
<i>SLC4A11</i>	-0.020784	0.979431	7.43x10 ⁻²	0.957331	1.002041	0.962272	0.578034
<i>ITLN2</i>	-0.300806	0.740222	7.98x10 ⁻²	0.528669	1.03643	0.701954	0.578034
<i>SOX11</i>	-0.02047	0.979738	8.01x10 ⁻²	0.957536	1.002455	0.842475	0.578034
<i>PCSK2</i>	-0.000887	0.999114	7.68x10 ⁻²	0.998133	1.000095	0.769115	0.578034
<i>AQP4</i>	-0.003682	0.996325	8.01x10 ⁻²	0.992224	1.000442	0.776486	0.578034
<i>SYT7</i>	0.0046077	1.004618	7.47x10 ⁻²	0.999542	1.009721	0.681673	0.578034

<i>SYT12</i>	0.3941482	1.48312	8.33x10 ⁻²	0.949447	2.316764	0.527887	0.591604
<i>LOC283404</i>	1.6593475	5.25588	8.69x10 ⁻²	0.786519	35.12221	0.534887	0.594126
<i>SLC14A1</i>	-0.233397	0.791839	8.86x10 ⁻²	0.605286	1.035889	0.978754	0.594126
<i>TNSI</i>	-0.026347	0.973997	8.74x10 ⁻²	0.94501	1.003874	0.891312	0.594126
<i>TESC</i>	0.0020624	1.002065	8.52x10 ⁻²	0.999714	1.004421	0.751279	0.594126
<i>PEAR1</i>	-0.066607	0.935563	1.02x10 ⁻¹	0.863723	1.013378	0.862189	0.601754
<i>KRT80</i>	-0.017096	0.983049	1.01x10 ⁻¹	0.963193	1.003315	0.7255	0.601754
<i>AVPR1B</i>	-3.370206	0.034383	9.98x10 ⁻²	0.000621	1.902472	0.724516	0.601754
<i>SOX7</i>	-0.054666	0.946801	1.00x10 ⁻¹	0.887061	1.010565	0.764926	0.601754
<i>BMPER</i>	-0.101416	0.903557	9.71x10 ⁻²	0.801547	1.01855	0.591889	0.601754
<i>FNDC4</i>	0.093209	1.097691	9.95x10 ⁻²	0.982473	1.226422	0.476723	0.601754
<i>MFAP4</i>	-0.002885	0.997119	1.02x10 ⁻¹	0.993674	1.000577	0.570464	0.601754
<i>TUBB2B</i>	-0.013231	0.986856	9.17x10 ⁻²	0.971799	1.002146	0.779763	0.601754
<i>DNASE1L3</i>	-1.191627	0.303727	9.23x10 ⁻²	0.075839	1.216396	0.596977	0.601754
<i>CCDC48</i>	0.447498	1.564393	1.05x10 ⁻¹	0.910797	2.687017	0.786776	0.601754
<i>IGSF10</i>	-0.030204	0.970248	1.03x10 ⁻¹	0.93566	1.006114	0.584095	0.601754
<i>BARX2</i>	0.0388389	1.039603	1.05x10 ⁻¹	0.991942	1.089554	0.872647	0.601754

<i>KC6</i>	-0.382655	0.682048	1.06x10 ⁻¹	0.428729	1.085043	0.813883	0.601936
<i>DLX2</i>	-2.254729	0.104902	1.09x10 ⁻¹	0.006673	1.649123	0.911194	0.608704
<i>FOXE3</i>	-1.53465	0.215531	1.11x10 ⁻¹	0.032644	1.42302	0.865884	0.614483
<i>KCNK3</i>	-0.014694	0.985414	1.12x10 ⁻¹	0.967697	1.003455	0.831073	0.615093
<i>KL</i>	-0.019363	0.980823	1.15x10 ⁻¹	0.957479	1.004736	0.704073	0.615763
<i>WISP1</i>	0.1654713	1.179949	1.15x10 ⁻¹	0.960472	1.449578	0.61661	0.615763
<i>CLEC1A</i>	-0.517902	0.595769	1.17x10 ⁻¹	0.311612	1.139048	0.881239	0.620352
<i>SULF1</i>	-0.003555	0.996451	1.20x10 ⁻¹	0.991995	1.000927	0.738186	0.627763
<i>ADCY4</i>	-0.055108	0.946383	1.37x10 ⁻¹	0.880024	1.017746	0.650541	0.660411
<i>NOTO</i>	-0.53275	0.586989	1.33x10 ⁻¹	0.292897	1.176372	0.943584	0.660411
<i>CCL14</i>	-0.033572	0.966986	1.30x10 ⁻¹	0.925851	1.009947	0.890978	0.660411
<i>DKK2</i>	0.1280586	1.13662	1.37x10 ⁻¹	0.95998	1.345761	0.804246	0.660411
<i>SYT15</i>	-0.030214	0.970237	1.30x10 ⁻¹	0.93305	1.008907	0.564415	0.660411
<i>AHNAK2</i>	0.0049001	1.004912	1.37x10 ⁻¹	0.998437	1.011429	0.798033	0.660411
<i>MARCKSL1</i>	-0.002511	0.997492	1.35x10 ⁻¹	0.994214	1.00078	0.734406	0.660411
<i>SERPINE2</i>	0.0188071	1.018985	1.36x10 ⁻¹	0.994099	1.044494	0.676019	0.660411
<i>CIQTNF7</i>	-0.669198	0.512119	1.40x10 ⁻¹	0.21057	1.245506	0.848101	0.666387

<i>CAVI</i>	0.0009463	1.000947	1.51x10 ⁻¹	0.999654	1.002241	0.707722	0.673094
<i>OR56A3</i>	-1.57759	0.206472	1.49x10 ⁻¹	0.024291	1.755022	0.823251	0.673094
<i>IGSF9</i>	0.0157763	1.015901	1.44x10 ⁻¹	0.994623	1.037635	0.411128	0.673094
<i>CSF3</i>	-0.091773	0.912312	1.48x10 ⁻¹	0.805552	1.03322	0.649966	0.673094
<i>HBEGF</i>	0.0702452	1.072771	1.50x10 ⁻¹	0.974812	1.180575	0.795376	0.673094
<i>OLR1</i>	0.0478418	1.049005	1.47x10 ⁻¹	0.983299	1.119101	0.964573	0.673094
<i>REEP6</i>	-0.074731	0.927993	1.51x10 ⁻¹	0.837943	1.02772	0.802128	0.673094
<i>TFF2</i>	-0.000558	0.999442	1.59x10 ⁻¹	0.998665	1.00022	0.698985	0.696378
<i>GPX3</i>	-0.006399	0.993622	1.59x10 ⁻¹	0.984824	1.002499	0.563057	0.696378
<i>ECSCR</i>	-0.069709	0.932665	1.68x10 ⁻¹	0.844583	1.029934	0.741428	0.709527
<i>STXBP6</i>	-0.123113	0.884164	1.68x10 ⁻¹	0.742114	1.053405	0.72585	0.709527
<i>GIMAP8</i>	-0.073255	0.929363	1.65x10 ⁻¹	0.837994	1.030695	0.705343	0.709527
<i>ANKRD29</i>	-0.037327	0.963361	1.68x10 ⁻¹	0.913624	1.015806	0.724565	0.709527
<i>PKP1</i>	-0.002901	0.997103	1.70x10 ⁻¹	0.992978	1.001245	0.815793	0.710358
<i>TAL1</i>	-0.10778	0.897825	1.74x10 ⁻¹	0.768524	1.048881	0.860889	0.72153
<i>GREM1</i>	-0.006784	0.993239	1.87x10 ⁻¹	0.983284	1.003296	0.822535	0.724592
<i>SELE</i>	-0.189395	0.82746	1.78x10 ⁻¹	0.628263	1.089814	0.861884	0.724592

<i>ADM2</i>	0.0501616	1.051441	1.82x10 ⁻¹	0.97675	1.131844	0.802965	0.724592
<i>PITX1</i>	-0.010392	0.989662	1.87x10 ⁻¹	0.974495	1.005065	0.628891	0.724592
<i>ALOX15</i>	-0.02371	0.976569	1.82x10 ⁻¹	0.943159	1.011163	0.543037	0.724592
<i>PLEK2</i>	0.0144423	1.014547	1.81x10 ⁻¹	0.993296	1.036253	0.915397	0.724592
<i>ERO1L</i>	0.0016118	1.001613	1.86x10 ⁻¹	0.999226	1.004006	0.853132	0.724592
<i>DACH1</i>	-0.087545	0.916177	1.83x10 ⁻¹	0.805366	1.042236	0.717411	0.724592
<i>MUC21</i>	-0.001049	0.998952	1.89x10 ⁻¹	0.997389	1.000518	0.713083	0.727034
<i>GJB3</i>	0.0064363	1.006457	1.95x10 ⁻¹	0.996707	1.016303	0.878799	0.737018
<i>RET</i>	-0.010851	0.989208	1.95x10 ⁻¹	0.973103	1.005579	0.820142	0.737018
<i>PRAME</i>	0.0022466	1.002249	1.97x10 ⁻¹	0.998835	1.005675	0.930415	0.737817
<i>RTL1</i>	0.294489	1.34244	2.04x10 ⁻¹	0.852584	2.113746	0.76369	0.740747
<i>ATOH7</i>	-1.215969	0.296423	2.01x10 ⁻¹	0.045941	1.912581	0.708942	0.740747
<i>DKK1</i>	0.0063446	1.006365	2.02x10 ⁻¹	0.996612	1.016213	0.67283	0.740747
<i>CRABP2</i>	-0.006011	0.994007	2.04x10 ⁻¹	0.984833	1.003266	0.629988	0.740747
<i>DLC1</i>	-0.001872	0.998129	2.07x10 ⁻¹	0.995234	1.001033	0.828279	0.744291
<i>CLDN18</i>	-0.001222	0.998779	2.08x10 ⁻¹	0.996882	1.00068	0.645924	0.744291
<i>SMAD6</i>	-0.038075	0.96264	2.14x10 ⁻¹	0.906535	1.022218	0.911846	0.749687

<i>TMEM100</i>	-0.025506	0.974816	2.13x10 ⁻¹	0.936495	1.014706	0.810245	0.749687
<i>CILP</i>	-0.053823	0.9476	2.14x10 ⁻¹	0.870444	1.031595	0.884364	0.749687
<i>DSP</i>	0.0007719	1.000772	2.16x10 ⁻¹	0.999549	1.001997	0.796469	0.75118
<i>GIN51</i>	0.0085695	1.008606	2.20x10 ⁻¹	0.994891	1.022511	0.786473	0.758593
<i>HOXC12</i>	0.4488001	1.566432	2.22x10 ⁻¹	0.762778	3.216806	0.91177	0.758699
<i>ADAMTS20</i>	0.262114	1.299675	2.29x10 ⁻¹	0.847886	1.992194	0.942649	0.773288
<i>JAM2</i>	-0.157475	0.854298	2.28x10 ⁻¹	0.661403	1.10345	0.75471	0.773288
<i>C13orf36</i>	-0.308856	0.734287	2.33x10 ⁻¹	0.442036	1.21976	0.892457	0.775723
<i>EDN2</i>	0.0263992	1.026751	2.33x10 ⁻¹	0.983156	1.072279	0.701683	0.775723
<i>CDT1</i>	0.1145693	1.12139	2.39x10 ⁻¹	0.926543	1.357214	0.728397	0.785878
<i>BHMT2</i>	-0.004851	0.995161	2.39x10 ⁻¹	0.987161	1.003226	0.630161	0.785878
<i>C17orf93</i>	0.7852227	2.192895	2.48x10 ⁻¹	0.579484	8.298395	0.817822	0.786518
<i>ASCL1</i>	0.0012386	1.001239	2.46x10 ⁻¹	0.999147	1.003336	0.781904	0.786518
<i>EPAS1</i>	-0.001289	0.998712	2.47x10 ⁻¹	0.996534	1.000895	0.750322	0.786518
<i>FA2H</i>	-0.019362	0.980825	2.49x10 ⁻¹	0.949051	1.013662	0.760279	0.786518
<i>CEACAM5</i>	0.000094	1.000094	2.50x10 ⁻¹	0.999934	1.000253	0.666198	0.786518
<i>HIGD1B</i>	0.4499232	1.568192	2.44x10 ⁻¹	0.735275	3.344633	0.617739	0.786518

<i>DARC</i>	-0.015076	0.985037	2.53x10 ⁻¹	0.959904	1.010828	0.925344	0.786862
<i>UBE2U</i>	19.372785	259115538.4	2.53x10 ⁻¹	0.000001	676000000000 000000000000	0.772995	0.786862
<i>KIF1A</i>	-0.002267	0.997735	2.63x10 ⁻¹	0.993785	1.001701	0.737197	0.787284
<i>MME</i>	0.0089966	1.009037	2.61x10 ⁻¹	0.993348	1.024975	0.762941	0.787284
<i>IGFBP3</i>	-0.000779	0.999222	2.65x10 ⁻¹	0.997856	1.00059	0.632465	0.787284
<i>SLC6A3</i>	-0.008721	0.991317	2.64x10 ⁻¹	0.976252	1.006615	0.826589	0.787284
<i>ADH1B</i>	0.0056876	1.005704	2.59x10 ⁻¹	0.995826	1.015679	0.978912	0.787284
<i>HOXB7</i>	0.0098452	1.009894	2.62x10 ⁻¹	0.992676	1.02741	0.738482	0.787284
<i>UGT8</i>	0.0156551	1.015778	2.58x10 ⁻¹	0.988602	1.043702	0.904479	0.787284
<i>ADAMTSL4</i>	0.0145012	1.014607	2.71x10 ⁻¹	0.988772	1.041117	0.776154	0.79974
<i>LOC645323</i>	0.4249431	1.529503	3.26x10 ⁻¹	0.65556	3.568524	0.678929	0.808628
<i>NKX2-4</i>	-0.084557	0.91892	3.21x10 ⁻¹	0.777543	1.086002	0.796475	0.808628
<i>C1orf106</i>	0.0017189	1.00172	3.39x10 ⁻¹	0.998194	1.00526	0.759625	0.808628
<i>IL6</i>	-0.014855	0.985254	3.31x10 ⁻¹	0.956206	1.015185	0.804837	0.808628
<i>KLK9</i>	0.907915	2.479148	3.13x10 ⁻¹	0.424768	14.46949	0.689721	0.808628
<i>IVL</i>	-0.009037	0.991004	2.85x10 ⁻¹	0.974713	1.007567	0.84643	0.808628

<i>FERMT1</i>	-0.030764	0.969704	3.31x10 ⁻¹	0.911428	1.031706	0.809312	0.808628
<i>HHIP</i>	-0.006721	0.993301	3.06x10 ⁻¹	0.980608	1.006159	0.987603	0.808628
<i>SELP</i>	-0.513464	0.598419	3.45x10 ⁻¹	0.206214	1.736574	0.643539	0.808628
<i>CXCL2</i>	-0.207914	0.812277	3.08x10 ⁻¹	0.544672	1.211361	0.827294	0.808628
<i>KIF18B</i>	0.0361963	1.036859	2.84x10 ⁻¹	0.970464	1.107797	0.778262	0.808628
<i>PLK1</i>	0.0192335	1.01942	2.94x10 ⁻¹	0.983465	1.056689	0.927053	0.808628
<i>C4orf26</i>	0.5164052	1.675992	2.87x10 ⁻¹	0.648143	4.333841	0.875563	0.808628
<i>KIAA1199</i>	-0.001109	0.998891	3.21x10 ⁻¹	0.996705	1.001082	0.745655	0.808628
<i>DES</i>	-0.030432	0.970027	3.25x10 ⁻¹	0.912965	1.030655	0.664101	0.808628
<i>CBX2</i>	-0.005052	0.994961	3.19x10 ⁻¹	0.985128	1.004892	0.720118	0.808628
<i>AGT</i>	-0.009466	0.990579	3.42x10 ⁻¹	0.971409	1.010126	0.844476	0.808628
<i>FOXF1</i>	-0.040345	0.960458	3.14x10 ⁻¹	0.887968	1.038866	0.784928	0.808628
<i>BMP8A</i>	-0.022516	0.977736	2.91x10 ⁻¹	0.937697	1.019484	0.538454	0.808628
<i>SYT13</i>	-0.005934	0.994083	2.79x10 ⁻¹	0.983455	1.004826	0.80382	0.808628
<i>PDZD2</i>	-0.00631	0.99371	3.10x10 ⁻¹	0.98167	1.005898	0.934248	0.808628
<i>UNC93A</i>	-0.380637	0.683426	3.26x10 ⁻¹	0.319894	1.46008	0.990553	0.808628
<i>SLC7A11</i>	-0.004297	0.995713	3.43x10 ⁻¹	0.986905	1.004599	0.72581	0.808628

<i>ADAMTSL3</i>	-0.022636	0.977618	3.00x10 ⁻¹	0.936692	1.020333	0.894907	0.808628
<i>DUOX2</i>	-0.015554	0.984566	3.23x10 ⁻¹	0.954648	1.015422	0.972646	0.808628
<i>TPPP3</i>	-0.004142	0.995867	3.19x10 ⁻¹	0.987792	1.004007	0.589328	0.808628
<i>PLA2G2A</i>	-0.005924	0.994094	2.86x10 ⁻¹	0.983342	1.004963	0.860214	0.808628
<i>TMPRSS4</i>	-0.001543	0.998459	3.36x10 ⁻¹	0.995323	1.001604	0.676871	0.808628
<i>MARCO</i>	-0.005554	0.994461	2.86x10 ⁻¹	0.984364	1.004662	0.913845	0.808628
<i>EZH2</i>	0.0430785	1.04402	3.36x10 ⁻¹	0.956249	1.139847	0.775912	0.808628
<i>PPAP2C</i>	-0.006224	0.993795	2.94x10 ⁻¹	0.982311	1.005414	0.623422	0.808628
<i>LRRC36</i>	-0.055898	0.945635	3.03x10 ⁻¹	0.850188	1.051798	0.754074	0.808628
<i>LRRC15</i>	0.0118932	1.011964	3.15x10 ⁻¹	0.988777	1.035695	0.752409	0.808628
<i>GKN1</i>	-0.099365	0.905412	3.39x10 ⁻¹	0.73857	1.109944	0.694377	0.808628
<i>FMO2</i>	-0.031182	0.969299	3.34x10 ⁻¹	0.909892	1.032585	0.847554	0.808628
<i>RTKN2</i>	0.0094958	1.009541	3.22x10 ⁻¹	0.990756	1.028682	0.765625	0.808628
<i>TPBG</i>	0.011429	1.011495	3.13x10 ⁻¹	0.9893	1.034187	0.632454	0.808628
<i>MCM4</i>	-0.020483	0.979726	3.33x10 ⁻¹	0.939932	1.021204	0.863096	0.808628
<i>GCLC</i>	0.000958	1.000958	3.42x10 ⁻¹	0.998982	1.002939	0.724586	0.808628
<i>TUBB3</i>	0.0065679	1.00659	3.25x10 ⁻¹	0.993507	1.019844	0.639897	0.808628

<i>TMEM132A</i>	-0.004846	0.995166	3.02x10 ⁻¹	0.986047	1.004369	0.57208	0.808628
<i>SC65</i>	0.0067151	1.006738	2.79x10 ⁻¹	0.994565	1.019059	0.687249	0.808628
<i>ACVRL1</i>	-0.006829	0.993194	3.49x10 ⁻¹	0.979101	1.007491	0.770289	0.814356
<i>VGLL2</i>	-0.391056	0.676342	3.53x10 ⁻¹	0.296353	1.543561	0.742184	0.814512
<i>MTMR7</i>	-0.010364	0.98969	3.52x10 ⁻¹	0.968304	1.011548	0.803647	0.814512
<i>GHR</i>	-0.439948	0.64407	3.54x10 ⁻¹	0.253933	1.633601	0.731214	0.814512
<i>GRIA1</i>	-0.053964	0.947466	3.60x10 ⁻¹	0.84401	1.063603	0.90505	0.820653
<i>SLC38A8</i>	-0.092886	0.911297	3.60x10 ⁻¹	0.746899	1.111881	0.79566	0.820653
<i>KCNE4</i>	-0.005769	0.994247	3.63x10 ⁻¹	0.981966	1.006683	0.986275	0.822734
<i>SCGB1D2</i>	-1.616133	0.198665	3.68x10 ⁻¹	0.005871	6.722222	0.904393	0.827157
<i>COX4I2</i>	-1.009728	0.364318	3.67x10 ⁻¹	0.040652	3.264941	0.694792	0.827157
<i>GDF10</i>	-0.035457	0.965164	3.76x10 ⁻¹	0.892302	1.043975	0.745995	0.828508
<i>CAMKV</i>	-1.223098	0.294317	3.75x10 ⁻¹	0.019688	4.399761	0.813862	0.828508
<i>ITGA11</i>	0.0057066	1.005723	3.73x10 ⁻¹	0.993181	1.018424	0.661169	0.828508
<i>RAMP3</i>	0.0272767	1.027652	3.72x10 ⁻¹	0.967952	1.091034	0.674296	0.828508
<i>ESPN</i>	-0.016175	0.983955	3.82x10 ⁻¹	0.948914	1.02029	0.843241	0.837871
<i>GJB2</i>	0.0050289	1.005042	3.84x10 ⁻¹	0.993729	1.016483	0.682769	0.838223

<i>AGR2</i>	0.0001441	1.000144	3.97x10 ⁻¹	0.999811	1.000478	0.743878	0.839973
<i>LTBP4</i>	-0.010133	0.989918	3.99x10 ⁻¹	0.966888	1.013496	0.809122	0.839973
<i>TFF1</i>	-0.00084	0.999161	3.99x10 ⁻¹	0.997214	1.001111	0.728143	0.839973
<i>ANLN</i>	0.0067341	1.006757	3.99x10 ⁻¹	0.991138	1.022622	0.724778	0.839973
<i>FANCI</i>	0.0320706	1.03259	3.90x10 ⁻¹	0.959748	1.110961	0.709355	0.839973
<i>IL4I1</i>	-0.021373	0.978854	3.97x10 ⁻¹	0.931645	1.028454	0.758971	0.839973
<i>LGALS4</i>	-0.000694	0.999306	3.97x10 ⁻¹	0.997702	1.000913	0.603979	0.839973
<i>GRASP</i>	0.0793823	1.082618	3.91x10 ⁻¹	0.903017	1.29794	0.712779	0.839973
<i>FGR</i>	-0.018786	0.981389	4.10x10 ⁻¹	0.9385	1.026238	0.701927	0.84236
<i>PANX2</i>	0.015349	1.015467	4.07x10 ⁻¹	0.97927	1.053003	0.714077	0.84236
<i>THBD</i>	0.0046841	1.004695	4.11x10 ⁻¹	0.993549	1.015967	0.743758	0.84236
<i>SLC6A4</i>	-0.090326	0.913634	4.10x10 ⁻¹	0.736948	1.132679	0.61172	0.84236
<i>EREG</i>	0.001834	1.001836	4.08x10 ⁻¹	0.99749	1.0062	0.774012	0.84236
<i>CACNA2D2</i>	-0.012031	0.988041	4.03x10 ⁻¹	0.960544	1.016326	0.744529	0.84236
<i>C8orf84</i>	-0.043755	0.957189	4.13x10 ⁻¹	0.862019	1.062865	0.623885	0.843403
<i>HMGA2</i>	-0.009564	0.990481	4.16x10 ⁻¹	0.967926	1.013562	0.831642	0.843826
<i>TSPAN8</i>	0.0022418	1.002244	4.17x10 ⁻¹	0.996837	1.007681	0.729258	0.843826

<i>STYK1</i>	-0.031095	0.969383	4.18x10 ⁻¹	0.899059	1.045208	0.720275	0.843826
<i>C2CD4A</i>	-0.003246	0.996759	4.30x10 ⁻¹	0.988763	1.00482	0.744763	0.843848
<i>PHLDA2</i>	-0.014218	0.985883	4.48x10 ⁻¹	0.950297	1.022801	0.795927	0.843848
<i>FZD10</i>	-0.004333	0.995676	4.43x10 ⁻¹	0.984716	1.006758	0.800466	0.843848
<i>CD36</i>	-0.005027	0.994986	4.44x10 ⁻¹	0.98225	1.007887	0.841548	0.843848
<i>CCNB1</i>	-0.010831	0.989228	4.49x10 ⁻¹	0.961862	1.017372	0.790902	0.843848
<i>SOHLH1</i>	0.7187039	2.051772	4.34x10 ⁻¹	0.338785	12.42607	0.615156	0.843848
<i>C8orf73</i>	0.0025916	1.002595	4.22x10 ⁻¹	0.996275	1.008955	0.732976	0.843848
<i>NXPPI</i>	-0.113462	0.892738	4.60x10 ⁻¹	0.660632	1.206392	0.697364	0.843848
<i>FHL5</i>	-0.105644	0.899745	4.51x10 ⁻¹	0.683733	1.184002	0.801306	0.843848
<i>TM4SF4</i>	-0.006798	0.993225	4.41x10 ⁻¹	0.976198	1.01055	0.553638	0.843848
<i>MUC6</i>	0.0006091	1.000609	4.52x10 ⁻¹	0.999023	1.002198	0.778497	0.843848
<i>CELSR3</i>	-0.019207	0.980977	4.34x10 ⁻¹	0.93487	1.029357	0.740273	0.843848
<i>PTPRH</i>	0.0075319	1.00756	4.40x10 ⁻¹	0.988502	1.026986	0.976811	0.843848
<i>CLDN6</i>	0.0012392	1.00124	4.61x10 ⁻¹	0.997947	1.004544	0.848385	0.843848
<i>RETN</i>	-0.082097	0.921182	4.34x10 ⁻¹	0.75002	1.131406	0.882153	0.843848
<i>MGC29506</i>	-0.002096	0.997907	4.41x10 ⁻¹	0.992603	1.003239	0.714551	0.843848

<i>RBP4</i>	-0.019011	0.981169	4.55x10 ⁻¹	0.933406	1.031375	0.547882	0.843848
<i>GLDN</i>	-0.041483	0.959366	4.59x10 ⁻¹	0.859541	1.070783	0.940878	0.843848
<i>C7orf52</i>	0.2358723	1.266013	4.49x10 ⁻¹	0.687073	2.332776	0.70533	0.843848
<i>BUB1</i>	0.0099445	1.009994	4.60x10 ⁻¹	0.983707	1.036983	0.999468	0.843848
<i>TFF3</i>	-0.0003	0.9997	4.24x10 ⁻¹	0.998965	1.000435	0.720782	0.843848
<i>CHGB</i>	-0.001133	0.998868	4.27x10 ⁻¹	0.996078	1.001666	0.553304	0.843848
<i>HIST1H1B</i>	1.5900387	4.903939	4.56x10 ⁻¹	0.074649	322.1578	0.771186	0.843848
<i>ALDH3A1</i>	-0.000328	0.999672	4.29x10 ⁻¹	0.998858	1.000486	0.728075	0.843848
<i>11-Mar</i>	-0.164887	0.847989	4.86x10 ⁻¹	0.533156	1.348733	0.980025	0.845946
<i>ETV4</i>	0.0077549	1.007785	4.84x10 ⁻¹	0.986139	1.029906	0.649347	0.845946
<i>MMP1</i>	-0.00022	0.99978	4.87x10 ⁻¹	0.99916	1.000401	0.665088	0.845946
<i>ABCA9</i>	-0.110377	0.895496	4.83x10 ⁻¹	0.657635	1.21939	0.814874	0.845946
<i>ONECUT3</i>	-0.695666	0.498742	4.78x10 ⁻¹	0.072995	3.407674	0.768364	0.845946
<i>WNT3A</i>	-0.157713	0.854095	4.80x10 ⁻¹	0.551229	1.323367	0.755205	0.845946
<i>GPIHBP1</i>	-0.081799	0.921457	4.89x10 ⁻¹	0.730979	1.161569	0.746524	0.845946
<i>ROBO4</i>	0.0142816	1.014384	4.82x10 ⁻¹	0.974823	1.05555	0.817842	0.845946
<i>NCKAP5</i>	-0.012493	0.987584	4.68x10 ⁻¹	0.954816	1.021477	0.720519	0.845946

<i>ESPL1</i>	0.0230891	1.023358	4.71x10 ⁻¹	0.961043	1.089713	0.662139	0.845946
<i>SLC2A1</i>	-0.001616	0.998386	4.70x10 ⁻¹	0.994016	1.002774	0.6576	0.845946
<i>MUC4</i>	0.0010832	1.001084	4.84x10 ⁻¹	0.998053	1.004124	0.738579	0.845946
<i>GPRIN2</i>	0.014357	1.014461	4.70x10 ⁻¹	0.975685	1.054777	0.567024	0.845946
<i>UPK1B</i>	-0.002603	0.9974	4.81x10 ⁻¹	0.990207	1.004646	0.716474	0.845946
<i>CRLF1</i>	-0.000935	0.999065	4.69x10 ⁻¹	0.996538	1.001599	0.807148	0.845946
<i>FABP4</i>	-0.01359	0.986502	4.91x10 ⁻¹	0.949111	1.025367	0.780767	0.846151
<i>EDNRB</i>	-0.005086	0.994927	4.99x10 ⁻¹	0.980379	1.00969	0.95525	0.847959
<i>NEFH</i>	0.0037667	1.003774	4.96x10 ⁻¹	0.992939	1.014727	0.7542	0.847959
<i>SEMA6D</i>	-0.013187	0.9869	5.01x10 ⁻¹	0.949749	1.025504	0.690588	0.847959
<i>SLIT2</i>	-0.032395	0.968124	5.00x10 ⁻¹	0.881227	1.06359	0.769401	0.847959
<i>CA4</i>	0.1219618	1.129711	4.98x10 ⁻¹	0.793608	1.608157	0.827977	0.847959
<i>SPTBN2</i>	-0.011219	0.988844	5.04x10 ⁻¹	0.956851	1.021906	0.844918	0.850322
<i>SOX17</i>	-0.095512	0.908908	5.09x10 ⁻¹	0.684672	1.206584	0.786598	0.853001
<i>COL3A1</i>	-0.000167	0.999833	5.09x10 ⁻¹	0.999337	1.000329	0.728816	0.853001
<i>APOA4</i>	-1.489523	0.22548	5.13x10 ⁻¹	0.002595	19.58896	0.71939	0.854078
<i>SMOC1</i>	0.0054981	1.005513	5.12x10 ⁻¹	0.989114	1.022184	0.737373	0.854078

<i>SIRPB1</i>	0.0186973	1.018873	5.19x10 ⁻¹	0.96261	1.078426	0.833677	0.858502
<i>RPL13A1</i>	-0.268844	0.764263	5.19x10 ⁻¹	0.337307	1.731652	0.951957	0.858502
7							
<i>SLC16A9</i>	0.0192505	1.019437	5.22x10 ⁻¹	0.961119	1.081293	0.647782	0.859513
<i>MTNRI1A</i>	0.3325273	1.394488	5.27x10 ⁻¹	0.497955	3.905163	0.713623	0.864678
<i>NDRG4</i>	-0.016836	0.983305	5.29x10 ⁻¹	0.933054	1.036262	0.766865	0.865802
<i>C10orf71</i>	-0.151794	0.859165	5.32x10 ⁻¹	0.533763	1.382945	0.706795	0.867174
<i>SHCBP1</i>	0.0162336	1.016366	5.49x10 ⁻¹	0.963842	1.071753	0.862456	0.867465
<i>BDNF</i>	-0.021277	0.978948	5.49x10 ⁻¹	0.913082	1.049565	0.597599	0.867465
<i>FNDC1</i>	-0.004798	0.995213	5.43x10 ⁻¹	0.979956	1.010708	0.939608	0.867465
<i>CDO1</i>	-0.026068	0.974269	5.56x10 ⁻¹	0.89335	1.062519	0.798911	0.867465
<i>NGEF</i>	0.049176	1.050405	5.47x10 ⁻¹	0.895242	1.232462	0.6185	0.867465
<i>FUT3</i>	-0.005778	0.994238	5.56x10 ⁻¹	0.975286	1.013559	0.598655	0.867465
<i>EFNA2</i>	-0.717677	0.487884	5.50x10 ⁻¹	0.046442	5.125323	0.679027	0.867465
<i>GINS2</i>	0.018624	1.018799	5.42x10 ⁻¹	0.95955	1.081705	0.595135	0.867465
<i>AGER</i>	-0.001104	0.998897	5.58x10 ⁻¹	0.995217	1.00259	0.708771	0.867465
<i>MUC5B</i>	0.000066	1.000066	5.54x10 ⁻¹	0.999846	1.000286	0.693621	0.867465

<i>KIAA1683</i>	0.0797819	1.083051	5.55x10 ⁻¹	0.83107	1.411432	0.782193	0.867465
<i>ACHE</i>	-0.011024	0.989037	5.38x10 ⁻¹	0.954967	1.024322	0.786623	0.867465
<i>BCL2L15</i>	0.0063108	1.006331	5.38x10 ⁻¹	0.986299	1.026769	0.854423	0.867465
<i>COL5A2</i>	-0.000745	0.999255	5.35x10 ⁻¹	0.99691	1.001607	0.751517	0.867465
<i>ARHGEF15</i>	-0.017532	0.982621	5.71x10 ⁻¹	0.924851	1.043998	0.747522	0.873368
<i>NPSR1</i>	0.0741264	1.076943	5.70x10 ⁻¹	0.833655	1.391231	0.709036	0.873368
<i>SPPI</i>	-0.000381	0.999619	5.64x10 ⁻¹	0.998324	1.000915	0.77956	0.873368
<i>SPAG5</i>	0.0083189	1.008354	5.69x10 ⁻¹	0.979859	1.037677	0.742031	0.873368
<i>UCHL1</i>	-0.000388	0.999612	5.68x10 ⁻¹	0.998284	1.000943	0.851177	0.873368
<i>PRX</i>	-0.023838	0.976444	5.81x10 ⁻¹	0.897171	1.062721	0.736166	0.883215
<i>BARX1</i>	-0.001729	0.998273	5.80x10 ⁻¹	0.992181	1.004402	0.769649	0.883215
<i>TMPRSS6</i>	-0.004253	0.995756	5.83x10 ⁻¹	0.980767	1.010975	0.720652	0.883215
<i>NDST4</i>	0.2175333	1.243007	5.86x10 ⁻¹	0.568186	2.719295	0.850602	0.885524
<i>HSPA12B</i>	0.0369567	1.037648	5.94x10 ⁻¹	0.905739	1.188768	0.690726	0.893418
<i>THBS2</i>	-0.00356	0.996446	5.95x10 ⁻¹	0.983452	1.009611	0.696466	0.893418
<i>ADAMTS12</i>	0.0156759	1.015799	6.00x10 ⁻¹	0.958066	1.077012	0.718471	0.894571
<i>KRT23</i>	-0.043607	0.95733	6.03x10 ⁻¹	0.812155	1.128455	0.755033	0.894571

<i>CDH2</i>	0.0065498	1.006571	6.02x10 ⁻¹	0.982109	1.031643	0.76695	0.894571
<i>KDELR3</i>	0.0200771	1.02028	5.99x10 ⁻¹	0.946793	1.099471	0.67629	0.894571
<i>SERPINB5</i>	0.0064261	1.006447	6.32x10 ⁻¹	0.980346	1.033243	0.80595	0.895138
<i>SCN4B</i>	0.0213762	1.021606	6.41x10 ⁻¹	0.933759	1.117718	0.771975	0.895138
<i>OCIAD2</i>	-0.001358	0.998643	6.10x10 ⁻¹	0.993441	1.003871	0.717887	0.895138
<i>GOLGA7B</i>	-0.003619	0.996388	6.11x10 ⁻¹	0.982582	1.010388	0.731497	0.895138
<i>CDC48</i>	0.0079844	1.008016	6.18x10 ⁻¹	0.976866	1.04016	0.738187	0.895138
<i>CLEC3A</i>	0.2351362	1.265081	6.43x10 ⁻¹	0.468397	3.416823	0.747659	0.895138
<i>CDK5R1</i>	0.0516765	1.053035	6.32x10 ⁻¹	0.852537	1.300686	0.67716	0.895138
<i>SLC5A9</i>	-0.021074	0.979147	6.31x10 ⁻¹	0.898398	1.067154	0.773247	0.895138
<i>NPTX1</i>	0.0016655	1.001667	6.20x10 ⁻¹	0.995096	1.008281	0.885188	0.895138
<i>COL6A6</i>	-0.011254	0.988809	6.42x10 ⁻¹	0.942943	1.036907	0.889356	0.895138
<i>B3GNT3</i>	0.0142375	1.014339	6.22x10 ⁻¹	0.958452	1.073486	0.507322	0.895138
<i>NEK2</i>	-0.011495	0.988571	6.26x10 ⁻¹	0.943883	1.035375	0.755837	0.895138
<i>F11</i>	-0.035183	0.965429	6.45x10 ⁻¹	0.83128	1.121227	0.886024	0.895138
<i>RFX6</i>	0.0360149	1.036671	6.37x10 ⁻¹	0.892741	1.203807	0.853951	0.895138
<i>COL1A1</i>	0.000233	1.000233	6.15x10 ⁻¹	0.999324	1.001143	0.780131	0.895138

<i>LCN2</i>	-0.000778	0.999223	6.09×10^{-1}	0.996249	1.002206	0.74458	0.895138
<i>FAP</i>	0.0096354	1.009682	6.26×10^{-1}	0.97129	1.049591	0.714309	0.895138
<i>TGMI</i>	0.1199543	1.127445	6.35×10^{-1}	0.68664	1.851236	0.799336	0.895138
<i>TGFBR3</i>	-0.018926	0.981252	6.45×10^{-1}	0.905337	1.063532	0.569159	0.895138
<i>SI00P</i>	0.0001163	1.000116	6.41×10^{-1}	0.999627	1.000606	0.755628	0.895138
<i>CYP24A1</i>	-0.000581	0.999419	6.34×10^{-1}	0.997036	1.001809	0.752833	0.895138
<i>CXCL14</i>	0.0001684	1.000168	6.33×10^{-1}	0.999478	1.00086	0.926793	0.895138
<i>DBNDD1</i>	0.002587	1.00259	6.51×10^{-1}	0.991431	1.013875	0.694567	0.895626
<i>NKX6-1</i>	-0.318181	0.727471	6.53×10^{-1}	0.181803	2.910929	0.771857	0.895626
<i>H19</i>	0.000025	1.000025	6.51×10^{-1}	0.999917	1.000133	0.685853	0.895626
<i>RCN3</i>	-0.004703	0.995308	6.50×10^{-1}	0.975287	1.01574	0.921962	0.895626
<i>LRFN2</i>	148.21886	2.35×10^{64}	6.64×10^{-1}	0.000000	Inf	0.708189	0.898072
<i>PNLIPRP3</i>	0.3707148	1.44877	6.59×10^{-1}	0.27909	7.520648	0.767375	0.898072
<i>FUT2</i>	-0.003685	0.996322	6.68×10^{-1}	0.979693	1.013233	0.747612	0.898072
<i>EEF1A2</i>	0.0006021	1.000602	6.70×10^{-1}	0.997837	1.003375	0.775944	0.898072
<i>HES6</i>	-0.002357	0.997646	6.60×10^{-1}	0.987207	1.008195	0.709335	0.898072
<i>KIFC1</i>	0.0040672	1.004075	6.66×10^{-1}	0.985676	1.022818	0.799276	0.898072

<i>COMP</i>	0.0039744	1.003982	6.58×10^{-1}	0.986472	1.021804	0.767726	0.898072
<i>UHRF1</i>	0.1585328	1.17179	6.70×10^{-1}	0.565477	2.428203	0.718502	0.898072
<i>FAM83A</i>	0.0003996	1.0004	6.83×10^{-1}	0.998484	1.002319	0.762111	0.903814
<i>PAX7</i>	0.001408	1.001409	6.85×10^{-1}	0.994609	1.008256	0.780521	0.903814
<i>VEPH1</i>	0.0044199	1.00443	6.84×10^{-1}	0.983264	1.026051	0.780142	0.903814
<i>NKX1-2</i>	4.7948325	120.8841	6.79×10^{-1}	0.000000	877000000000	0.746088	0.903814
<i>SBK1</i>	0.0025689	1.002572	6.83×10^{-1}	0.990287	1.01501	0.71457	0.903814
<i>GALNT14</i>	-0.002898	0.997106	6.85×10^{-1}	0.983262	1.011146	0.711001	0.903814
<i>PCOLCE2</i>	-0.008878	0.991161	6.92×10^{-1}	0.94856	1.035676	0.73671	0.909984
<i>PLUNC</i>	-0.000019	0.999981	6.98×10^{-1}	0.999886	1.000076	0.895319	0.911282
<i>CDC6</i>	-0.028249	0.972146	6.98×10^{-1}	0.842855	1.121269	0.753173	0.911282
<i>WDR62</i>	-0.011531	0.988535	6.99×10^{-1}	0.932457	1.047987	0.776684	0.911282
<i>GPX2</i>	-0.000148	0.999852	7.06×10^{-1}	0.999083	1.000622	0.75681	0.918455
<i>GNG4</i>	0.0018314	1.001833	7.23×10^{-1}	0.991744	1.012025	0.75168	0.922651
<i>LOC84740</i>	0.0003304	1.00033	7.22×10^{-1}	0.998511	1.002154	0.762588	0.922651
<i>ABCA4</i>	-0.002043	0.997959	7.23×10^{-1}	0.986747	1.009298	0.783044	0.922651
<i>TF</i>	0.0001566	1.000157	7.15×10^{-1}	0.999315	1.000999	0.732485	0.922651

<i>ACADL</i>	0.0859337	1.089734	7.21x10 ⁻¹	0.679604	1.747371	0.816772	0.922651
<i>TNXB</i>	-0.003185	0.99682	7.18x10 ⁻¹	0.979714	1.014224	0.779797	0.922651
<i>ANKRD1</i>	-0.018664	0.981509	7.16x10 ⁻¹	0.887693	1.085241	0.802653	0.922651
<i>GABRA5</i>	-0.230018	0.794519	7.29x10 ⁻¹	0.215799	2.925232	0.745617	0.922806
<i>CPXM1</i>	-0.008438	0.991598	7.29x10 ⁻¹	0.945325	1.040135	0.770713	0.922806
<i>NPR1</i>	-0.010459	0.989595	7.26x10 ⁻¹	0.933406	1.049167	0.479561	0.922806
<i>LOXL2</i>	0.0014983	1.001499	7.31x10 ⁻¹	0.992985	1.010087	0.710547	0.922806
<i>GINS4</i>	0.0460645	1.047142	7.39x10 ⁻¹	0.798272	1.373599	0.504488	0.931047
<i>MMP13</i>	-0.001085	0.998916	7.44x10 ⁻¹	0.992431	1.005443	0.746129	0.933308
<i>PROM2</i>	0.0008318	1.000832	7.46x10 ⁻¹	0.995801	1.005889	0.797494	0.933308
<i>C3orf30</i>	-0.179125	0.836001	7.47x10 ⁻¹	0.281511	2.482669	0.813326	0.933308
<i>TCN1</i>	0.0079688	1.008001	7.66x10 ⁻¹	0.956478	1.062299	0.603165	0.942545
<i>CPLX2</i>	0.0002998	1.0003	7.66x10 ⁻¹	0.998324	1.002279	0.819498	0.942545
<i>CHEK1</i>	0.0137791	1.013874	7.60x10 ⁻¹	0.928111	1.107562	0.754401	0.942545
<i>FAM189A2</i>	-0.006455	0.993566	7.57x10 ⁻¹	0.95368	1.03512	0.688997	0.942545
<i>WNK2</i>	-0.005001	0.995012	7.64x10 ⁻¹	0.963009	1.028078	0.631334	0.942545
<i>KIAA0101</i>	0.0113901	1.011455	7.62x10 ⁻¹	0.939495	1.088927	0.792978	0.942545

<i>KLK5</i>	0.0095435	1.009589	7.72x10 ⁻¹	0.946427	1.076967	0.764307	0.947309
<i>ARC</i>	0.3079259	1.3606	7.76x10 ⁻¹	0.162639	11.38248	0.723678	0.947502
<i>LDB2</i>	-0.012165	0.987909	7.76x10 ⁻¹	0.908402	1.074374	0.733281	0.947502
<i>EFNA4</i>	-0.005563	0.994453	7.81x10 ⁻¹	0.95624	1.034192	0.641248	0.948136
<i>ADAM8</i>	-0.000684	0.999316	7.79x10 ⁻¹	0.994547	1.004109	0.734273	0.948136
<i>TMEM59L</i>	-0.001976	0.998026	7.84x10 ⁻¹	0.984031	1.01222	0.758489	0.949503
<i>COL11A1</i>	0.0010351	1.001036	8.15x10 ⁻¹	0.99238	1.009767	0.76595	0.956399
<i>ABCC3</i>	0.0001602	1.00016	8.20x10 ⁻¹	0.998783	1.00154	0.860021	0.956399
<i>WIF1</i>	-0.000496	0.999504	8.17x10 ⁻¹	0.995308	1.003718	0.78727	0.956399
<i>C15orf48</i>	0.0020652	1.002067	8.14x10 ⁻¹	0.984954	1.019478	0.728681	0.956399
<i>AK3L1</i>	-0.003543	0.996463	7.97x10 ⁻¹	0.969942	1.02371	0.687862	0.956399
<i>FAM92B</i>	-0.018425	0.981743	8.16x10 ⁻¹	0.840915	1.146156	0.764105	0.956399
<i>VCAN</i>	-0.00017	0.99983	8.18x10 ⁻¹	0.998379	1.001282	0.758627	0.956399
<i>MMP11</i>	-0.000869	0.999131	8.16x10 ⁻¹	0.991832	1.006484	0.6938	0.956399
<i>CST1</i>	-0.000916	0.999084	8.10x10 ⁻¹	0.991657	1.006568	0.827338	0.956399
<i>RHBDL2</i>	0.005166	1.005179	8.14x10 ⁻¹	0.962835	1.049386	0.865156	0.956399
<i>C14orf132</i>	0.0050229	1.005036	8.10x10 ⁻¹	0.964675	1.047085	0.94184	0.956399

<i>SERINC2</i>	-0.001144	0.998856	8.01x10 ⁻¹	0.990023	1.007768	0.719564	0.956399
<i>ABI3BP</i>	0.0030298	1.003034	8.05x10 ⁻¹	0.979188	1.027461	0.721299	0.956399
<i>RAC3</i>	-0.00227	0.997733	8.08x10 ⁻¹	0.97964	1.01616	0.728252	0.956399
<i>PLOD2</i>	-0.000583	0.999417	8.00x10 ⁻¹	0.994915	1.003939	0.585083	0.956399
<i>PDK4</i>	-0.000915	0.999085	8.32x10 ⁻¹	0.990652	1.00759	0.787934	0.960761
<i>CYS1</i>	-0.003758	0.996249	8.32x10 ⁻¹	0.962312	1.031382	0.846416	0.960761
<i>SMR3B</i>	1.0039447	2.729026	8.29x10 ⁻¹	0.0003	24797.35	0.946085	0.960761
<i>FAM107A</i>	0.0617426	1.063689	8.31x10 ⁻¹	0.603368	1.875195	0.90365	0.960761
<i>CFD</i>	-0.002069	0.997933	8.34x10 ⁻¹	0.978854	1.017384	0.621963	0.960761
<i>GABRP</i>	-0.001118	0.998882	8.40x10 ⁻¹	0.988086	1.009796	0.782408	0.962724
<i>PBK</i>	-0.010201	0.989851	8.41x10 ⁻¹	0.895744	1.093844	0.885659	0.962724
<i>QPCT</i>	-0.000225	0.999775	8.39x10 ⁻¹	0.997612	1.001943	0.734005	0.962724
<i>LGR4</i>	-0.00069	0.999311	8.44x10 ⁻¹	0.992448	1.006221	0.722815	0.963367
<i>MS4A7</i>	0.002222	1.002225	8.46x10 ⁻¹	0.980004	1.024948	0.778717	0.963367
<i>LECT1</i>	0.0002488	1.000249	8.52x10 ⁻¹	0.997644	1.002861	0.71658	0.967521
<i>PKMYT1</i>	-0.025469	0.974853	8.63x10 ⁻¹	0.729446	1.30282	0.762643	0.968291
<i>BUB1B</i>	-0.002987	0.997018	8.68x10 ⁻¹	0.962602	1.032663	0.76004	0.968291

<i>NKX2-5</i>	-0.069739	0.932637	8.71x10 ⁻¹	0.400852	2.169908	0.805299	0.968291
<i>PPP2R2C</i>	0.0027548	1.002759	8.66x10 ⁻¹	0.971173	1.035372	0.755627	0.968291
<i>CABYR</i>	-0.001646	0.998355	8.73x10 ⁻¹	0.978362	1.018757	0.787622	0.968291
<i>ST8SIA3</i>	0.011124	1.011186	8.78x10 ⁻¹	0.877091	1.165782	0.705035	0.968291
<i>HBB</i>	0.0005569	1.000557	8.70x10 ⁻¹	0.993909	1.007249	0.775062	0.968291
<i>ADAMTS8</i>	0.0047933	1.004805	8.73x10 ⁻¹	0.947633	1.065425	0.741884	0.968291
<i>POU2AF1</i>	0.0025166	1.00252	8.72x10 ⁻¹	0.97226	1.033722	0.769457	0.968291
<i>C14orf162</i>	-0.203401	0.815951	8.78x10 ⁻¹	0.060512	11.00242	0.693061	0.968291
<i>KCNT2</i>	0.0177617	1.01792	8.79x10 ⁻¹	0.810178	1.278931	0.951032	0.968291
<i>GPRIN1</i>	0.0114495	1.011515	8.71x10 ⁻¹	0.881352	1.160901	0.650425	0.968291
<i>PHACTR1</i>	-0.020926	0.979292	8.55x10 ⁻¹	0.78279	1.225121	0.929197	0.968291
<i>CTHRC1</i>	0.0006806	1.000681	8.85x10 ⁻¹	0.991533	1.009913	0.832446	0.972349
<i>CLDN5</i>	-0.00181	0.998191	9.16x10 ⁻¹	0.965186	1.032325	0.791253	0.977713
<i>NPTX2</i>	0.0008393	1.00084	9.46x10 ⁻¹	0.976996	1.025265	0.749732	0.977713
<i>ITIH5</i>	0.0005112	1.000511	9.27x10 ⁻¹	0.989574	1.011569	0.750354	0.977713
<i>CRTAC1</i>	-0.000276	0.999724	9.37x10 ⁻¹	0.992875	1.006619	0.756511	0.977713
<i>P2RY6</i>	0.0005098	1.00051	9.22x10 ⁻¹	0.990324	1.010801	0.740765	0.977713

<i>FCN3</i>	-0.001118	0.998883	9.39x10 ⁻¹	0.970896	1.027676	0.754629	0.977713
<i>C6orf174</i>	-0.002702	0.997301	9.33x10 ⁻¹	0.93623	1.062357	0.838006	0.977713
<i>PTTG1</i>	-0.002543	0.997461	9.05x10 ⁻¹	0.956819	1.039828	0.668574	0.977713
<i>COL1A2</i>	0.000017	1.000016	9.39x10 ⁻¹	0.999614	1.000418	0.887159	0.977713
<i>ANGPT1</i>	0.0101629	1.010215	9.19x10 ⁻¹	0.831172	1.227825	0.779088	0.977713
<i>GCOM1</i>	0.0056206	1.005636	9.45x10 ⁻¹	0.8582	1.178402	0.746672	0.977713
<i>CBLC</i>	0.0006675	1.000668	9.41x10 ⁻¹	0.983066	1.018584	0.766041	0.977713
<i>DIO2</i>	-0.001132	0.998868	9.30x10 ⁻¹	0.973771	1.024612	0.743027	0.977713
<i>CCNF</i>	0.0100986	1.01015	9.11x10 ⁻¹	0.845632	1.206675	0.695917	0.977713
<i>SSTR1</i>	-0.004751	0.99526	9.16x10 ⁻¹	0.911116	1.087176	0.818864	0.977713
<i>KIF11</i>	-0.010816	0.989242	9.16x10 ⁻¹	0.809503	1.208891	0.778341	0.977713
<i>GALNT6</i>	0.0014005	1.001401	9.35x10 ⁻¹	0.968336	1.035596	0.762066	0.977713
<i>COL5A1</i>	-0.000228	0.999772	9.13x10 ⁻¹	0.995667	1.003893	0.741052	0.977713
<i>UGT1A6</i>	0.000047	1.000047	9.46x10 ⁻¹	0.99868	1.001416	0.754961	0.977713
<i>CDH3</i>	0.0003963	1.000396	9.36x10 ⁻¹	0.990728	1.010159	0.751086	0.977713
<i>SPOCK2</i>	0.000142	1.000142	8.97x10 ⁻¹	0.998002	1.002286	0.677605	0.977713
<i>PSAT1</i>	0.0014991	1.0015	9.03x10 ⁻¹	0.977572	1.026014	0.621781	0.977713

<i>SEMA3A</i>	-0.000626	0.999374	8.95x10 ⁻¹	0.990124	1.00871	0.7866	0.977713
<i>FHL2</i>	0.0003685	1.000369	9.09x10 ⁻¹	0.994036	1.006742	0.775618	0.977713
<i>SEMA6A</i>	-0.003913	0.996095	9.47x10 ⁻¹	0.887744	1.11767	0.722451	0.977713
<i>FBXO32</i>	-0.000725	0.999275	9.39x10 ⁻¹	0.980911	1.017982	0.758194	0.977713
<i>EYA2</i>	-0.000937	0.999063	9.10x10 ⁻¹	0.98288	1.015513	0.994509	0.977713
<i>PCDH9</i>	0.006109	1.006128	9.33x10 ⁻¹	0.872236	1.160572	0.555551	0.977713
<i>GPER</i>	-0.002859	0.997145	9.53x10 ⁻¹	0.906186	1.097233	0.739126	0.977933
<i>ALDH3B2</i>	-0.001531	0.99847	9.53x10 ⁻¹	0.949083	1.050427	0.68535	0.977933
<i>FPR2</i>	-0.006004	0.994014	9.52x10 ⁻¹	0.819052	1.20635	0.739506	0.977933
<i>KRT6A</i>	-0.000070	0.99993	9.56x10 ⁻¹	0.997417	1.002449	0.643739	0.979035
<i>EPN3</i>	-0.000949	0.999051	9.59x10 ⁻¹	0.963947	1.035434	0.706804	0.979094
<i>C2orf40</i>	-0.006509	0.993512	9.61x10 ⁻¹	0.763847	1.292231	0.757263	0.979822
<i>FOXL2</i>	0.0102042	1.010256	9.71x10 ⁻¹	0.582006	1.753621	0.820594	0.98593
<i>RFPL4B</i>	0.0097102	1.009757	9.71x10 ⁻¹	0.59351	1.717933	0.961842	0.98593
<i>NTRK2</i>	0.000378	1.000378	9.80x10 ⁻¹	0.971787	1.02981	0.750296	0.991332
<i>CDA</i>	-0.000588	0.999412	9.81x10 ⁻¹	0.95237	1.048777	0.673428	0.991332
<i>SCUBE1</i>	0.0002375	1.000238	9.94x10 ⁻¹	0.94273	1.061253	0.771519	0.997064

<i>NCAPH</i>	-0.000189	0.999811	9.93×10^{-1}	0.956097	1.045524	0.709108	0.997064
<i>PKNOX2</i>	0.0010477	1.001048	9.91×10^{-1}	0.840274	1.192584	0.835961	0.997064
<i>CENPE</i>	0.0007214	1.000722	9.95×10^{-1}	0.799669	1.252322	0.580086	0.997064
<i>POSTN</i>	-0.003166	0.996839	9.99×10^{-1}	0.00083	1197.183	0.776173	0.999302

HR, Hazard Ratio; lower.95, lower limit of 95% confidence interval; upper.95, upper limit of 95% confidence interval; test.ph, P-value of proportional hazards assumption; FDR, false discovery rate.

Table SVII. Results of instrument variable analysis in lung squamous cell carcinoma.

Gene	β	HR	P-value	lower.95	upper.95	test.ph	FDR
<i>PREX2</i>	0.6718454	1.957847	1.16x10 ⁻⁵	1.449894	2.643755	0.162632	0.010737
<i>NPTX2</i>	0.0022905	1.002293	0.001261	1.000899	1.00369	0.12744	0.29075
<i>C6orf174</i>	0.3671208	1.443572	0.001254	1.154989	1.80426	0.121584	0.29075
<i>BARX2</i>	0.0832718	1.086837	0.000707	1.035704	1.140494	0.163005	0.29075
<i>CD36</i>	0.0102544	1.010307	0.001687	1.003862	1.016794	0.205887	0.31105
<i>SPAG6</i>	0.1068655	1.112785	0.002752	1.037602	1.193415	0.107435	0.386999
<i>C20orf56</i>	0.1239833	1.131997	0.002938	1.043184	1.228371	0.089783	0.386999
<i>C19orf48</i>	-0.034353	0.96623	0.007242	0.942306	0.990762	0.13019	0.598342
<i>ZNF385B</i>	0.0821997	1.085673	0.006026	1.023816	1.151266	0.125872	0.598342
<i>ADAMTSL3</i>	0.1104854	1.11682	0.006349	1.03163	1.209045	0.111673	0.598342
<i>VWF</i>	0.003888	1.003896	0.007164	1.001055	1.006744	0.098784	0.598342
<i>FST</i>	-0.025048	0.975263	0.007788	0.957436	0.993422	0.152764	0.598342
<i>COL22A1</i>	0.1655795	1.180077	0.008988	1.042225	1.336162	0.085856	0.60127
<i>MLPH</i>	0.0117198	1.011789	0.00913	1.002914	1.020742	0.160689	0.60127
<i>WSCD1</i>	-0.3154	0.729497	0.010503	0.572934	0.928843	0.103891	0.639058

<i>NGFR</i>	-0.004583	0.995427	0.01109	0.991913	0.998954	0.081435	0.639058
<i>UBE2C</i>	-0.130803	0.877391	0.013528	0.790876	0.973369	0.136689	0.733672
<i>ICAM4</i>	-0.116649	0.889898	0.014744	0.810259	0.977365	0.115076	0.75523
<i>LCE1E</i>	-1.40947	0.244273	0.064725	0.054748	1.089895	0.123758	0.899474
<i>CEACAM5</i>	-0.002515	0.997489	0.081771	0.994668	1.000317	0.115466	0.899474
<i>KRT5</i>	-0.000071	0.999929	0.056264	0.999856	1.000002	0.153111	0.899474
<i>SCARF1</i>	0.0419925	1.042887	0.027735	1.004609	1.082622	0.05879	0.899474
<i>AK3L1</i>	-0.078186	0.924793	0.074359	0.848687	1.007722	0.101914	0.899474
<i>LOC642587</i>	-0.004691	0.99532	0.08061	0.990097	1.000571	0.079897	0.899474
<i>SOST</i>	-0.005815	0.994202	0.049233	0.988457	0.99998	0.127116	0.899474
<i>GRHL3</i>	-0.008759	0.991279	0.076007	0.981734	1.000917	0.111432	0.899474
<i>HNF1B</i>	0.0488753	1.050089	0.079961	0.994181	1.109141	0.093579	0.899474
<i>AGER</i>	0.0055775	1.005593	0.069792	0.999549	1.011674	0.069361	0.899474
<i>ETV4</i>	-0.014925	0.985186	0.047519	0.970751	0.999837	0.078952	0.899474
<i>ODZ2</i>	-0.004182	0.995827	0.024041	0.992216	0.999451	0.096196	0.899474
<i>DSC3</i>	-0.001469	0.998532	0.03403	0.997176	0.999889	0.146008	0.899474
<i>ATAD5</i>	-0.033919	0.96665	0.068067	0.932063	1.00252	0.068966	0.899474

<i>C1orf130</i>	0.1270043	1.135422	0.069711	0.989817	1.302446	0.101967	0.899474
<i>NR4A1</i>	0.0077153	1.007745	0.046269	1.000128	1.015421	0.12858	0.899474
<i>AMTN</i>	-0.007273	0.992753	0.027605	0.986349	0.999198	0.188396	0.899474
<i>HHATL</i>	7.7332589	2283.03	0.081757	0.377307	13814274	0.130836	0.899474
<i>TLL12</i>	-0.012148	0.987925	0.03288	0.976962	0.999012	0.088919	0.899474
<i>SFRP5</i>	0.0648436	1.066992	0.052317	0.99935	1.139212	0.182844	0.899474
<i>C2orf40</i>	0.1356667	1.1453	0.065617	0.991274	1.323259	0.104295	0.899474
<i>CD109</i>	-0.002264	0.997739	0.052135	0.995462	1.000021	0.092536	0.899474
<i>CDC25A</i>	-0.037532	0.963164	0.059234	0.926328	1.001464	0.124681	0.899474
<i>MT1A</i>	0.1080046	1.114053	0.068747	0.991733	1.251459	0.129747	0.899474
<i>GJB6</i>	-0.001879	0.998123	0.045265	0.996288	0.99996	0.091525	0.899474
<i>TPPP3</i>	0.0139142	1.014011	0.059134	0.999464	1.028771	0.142013	0.899474
<i>LMO7</i>	0.0043053	1.004315	0.080474	0.999478	1.009175	0.080152	0.899474
<i>SYT7</i>	0.0098951	1.009944	0.075486	0.998985	1.021024	0.083534	0.899474
<i>PKP1</i>	-0.000224	0.999776	0.075799	0.999528	1.000023	0.137147	0.899474
<i>CENPA</i>	-0.062429	0.93948	0.081948	0.875667	1.007944	0.123985	0.899474
<i>ROBO4</i>	0.0294052	1.029842	0.055896	0.99926	1.061359	0.096359	0.899474

<i>PIGX</i>	0.0086039	1.008641	0.073495	0.999182	1.01819	0.059572	0.899474
<i>COL7A1</i>	-0.001044	0.998956	0.035853	0.997983	0.999931	0.122967	0.899474
<i>CLCA2</i>	0.0006808	1.000681	0.055966	0.999983	1.00138	0.066529	0.899474
<i>CPLX3</i>	-0.960956	0.382527	0.072301	0.134132	1.090916	0.109806	0.899474
<i>MYBL2</i>	-0.016341	0.983791	0.048303	0.967963	0.999878	0.139853	0.899474
<i>THBS2</i>	0.0019347	1.001937	0.021727	1.000283	1.003593	0.140809	0.899474
<i>ITIH5</i>	0.0129254	1.013009	0.035883	1.000852	1.025314	0.164472	0.899474
<i>VSTM2B</i>	2.3268208	10.24532	0.075598	0.786758	133.4165	0.156306	0.899474
<i>TGFA</i>	0.0274116	1.027791	0.079086	0.996821	1.059722	0.120427	0.899474
<i>SH3BP5</i>	0.0112016	1.011265	0.03846	1.000595	1.022048	0.14159	0.899474
<i>VIPRI</i>	-0.046697	0.954377	0.064501	0.908279	1.002814	0.093921	0.899474
<i>CCDC34</i>	0.234931	1.264822	0.0236	1.032013	1.550149	0.059594	0.899474
<i>HMGA1</i>	0.0026023	1.002606	0.078464	0.999704	1.005516	0.126385	0.899474
<i>FAM83A</i>	0.0016869	1.001688	0.030211	1.000161	1.003217	0.061503	0.899474
<i>PENK</i>	0.0065584	1.00658	0.027939	1.000711	1.012484	0.133703	0.899474
<i>SMO</i>	-0.005655	0.994361	0.057976	0.988566	1.000191	0.07719	0.899474
<i>CYP26A1</i>	-0.011044	0.989017	0.07898	0.976905	1.001279	0.11852	0.899474

<i>TUBB2B</i>	-0.026131	0.974207	0.079518	0.946164	1.003082	0.092937	0.899474
<i>TNXB</i>	0.015676	1.0158	0.081702	0.998029	1.033886	0.112122	0.899474
<i>IL22RA1</i>	-0.064954	0.93711	0.070776	0.873357	1.005517	0.140542	0.899474
<i>SOX14</i>	0.2396018	1.270743	0.050467	0.999512	1.615576	0.142191	0.899474
<i>FIGNL1</i>	0.1156933	1.122651	0.076991	0.987547	1.276239	0.103385	0.899474
<i>HR</i>	-0.011207	0.988856	0.041376	0.978264	0.999562	0.105799	0.899474
<i>CLDN5</i>	0.0546978	1.056221	0.069987	0.995543	1.120598	0.107962	0.899474
<i>RAD54L</i>	0.1427543	1.153446	0.040783	1.006003	1.3225	0.168179	0.899474
<i>TCF21</i>	0.0951519	1.099826	0.064727	0.994205	1.216668	0.119021	0.899474
<i>PIP5K1B</i>	0.6450453	1.906073	0.024949	1.084578	3.349796	0.100467	0.899474
<i>ALDH1A2</i>	0.3430208	1.409198	0.019808	1.055982	1.880562	0.135663	0.899474
<i>FANCA</i>	0.0327186	1.03326	0.034164	1.002446	1.06502	0.074147	0.899474
<i>E2F7</i>	0.0949789	1.099636	0.069459	0.992466	1.218377	0.103043	0.899474
<i>FBXO32</i>	-0.069273	0.933072	0.030167	0.876426	0.993378	0.098438	0.899474
<i>NQO1</i>	-0.001043	0.998958	0.076289	0.997806	1.00011	0.08952	0.899474
<i>KIF23</i>	0.0562555	1.057868	0.041942	1.002052	1.116793	0.052047	0.899474
<i>POM121L2</i>	3.4735543	32.25117	0.050836	0.987442	1053.366	0.189205	0.899474

<i>TBX2</i>	1.3299341	3.780794	0.069115	0.901123	15.86289	0.126307	0.899474
<i>NPR1</i>	0.8592197	2.361317	0.084192	0.890491	6.261514	0.076759	0.913241
<i>RASGRP4</i>	0.1497062	1.161493	0.101679	0.970872	1.389541	0.075097	0.925473
<i>DLC1</i>	0.0072984	1.007325	0.098803	0.998633	1.016092	0.10989	0.925473
<i>HOXA10</i>	-0.0233	0.976969	0.107738	0.94962	1.005105	0.095409	0.925473
<i>FRMD6</i>	-0.002883	0.997121	0.093829	0.993763	1.00049	0.113711	0.925473
<i>SLCIA4</i>	-0.002434	0.997569	0.094623	0.994726	1.00042	0.096443	0.925473
<i>NRCAM</i>	-0.002257	0.997745	0.100718	0.995059	1.000438	0.080374	0.925473
<i>MMP1</i>	-0.010039	0.990011	0.106406	0.97802	1.00215	0.106687	0.925473
<i>LOC146336</i>	-0.747292	0.473647	0.093818	0.19762	1.13522	0.10033	0.925473
<i>LTB4R2</i>	0.0451801	1.046216	0.094245	0.992294	1.103069	0.132393	0.925473
<i>SBK1</i>	-0.007192	0.992834	0.109411	0.984131	1.001615	0.124331	0.925473
<i>FOLH1</i>	-0.020419	0.979788	0.104773	0.955911	1.004261	0.112952	0.925473
<i>PSAT1</i>	-0.007025	0.993	0.094996	0.984845	1.001222	0.086847	0.925473
<i>TAC1</i>	-0.186902	0.829525	0.109391	0.659866	1.042806	0.112557	0.925473
<i>IGFBP3</i>	-0.000195	0.999805	0.097025	0.999575	1.000035	0.064102	0.925473
<i>PLEKHH2</i>	-0.085228	0.918303	0.105168	0.828348	1.018027	0.049394	0.925473

<i>ABCA9</i>	-0.475753	0.621417	0.097098	0.354239	1.090109	0.068331	0.925473
<i>CBX2</i>	-0.005153	0.99486	0.089132	0.988967	1.000788	0.100972	0.925473
<i>KRT13</i>	-0.000122	0.999878	0.105517	0.999731	1.000026	0.123979	0.925473
<i>CYB5A</i>	-0.028464	0.971938	0.094554	0.94004	1.004917	0.106606	0.925473
<i>LRRC32</i>	0.02107	1.021294	0.096702	0.996216	1.047003	0.102101	0.925473
<i>C11orf93</i>	-0.009185	0.990857	0.107098	0.979848	1.001989	0.127756	0.925473
<i>ARC</i>	0.8660878	2.377591	0.102276	0.841285	6.719413	0.146073	0.925473
<i>UPK1B</i>	0.0007823	1.000783	0.086432	0.999888	1.001678	0.084774	0.925473
<i>NR2F1</i>	-0.12719	0.880566	0.101205	0.756326	1.025216	0.118244	0.925473
<i>GPC1</i>	-0.000512	0.999488	0.11337	0.998854	1.000122	0.124424	0.933275
<i>C10orf99</i>	-0.012509	0.987569	0.112603	0.972425	1.002948	0.115096	0.933275
<i>ZFP36</i>	-0.013972	0.986125	0.112435	0.969258	1.003285	0.047566	0.933275
<i>PHGDH</i>	-0.004273	0.995736	0.115771	0.990448	1.001052	0.10711	0.936323
<i>CTSH</i>	0.0080948	1.008128	0.114788	0.998036	1.018321	0.122096	0.936323
<i>PLEKHG6</i>	-0.007332	0.992695	0.118621	0.983596	1.001878	0.10641	0.939116
<i>FGR</i>	0.0184777	1.018649	0.117845	0.995331	1.042514	0.093516	0.939116
<i>SPOCK1</i>	-0.009873	0.990176	0.119172	0.977956	1.002548	0.106711	0.939116

<i>TBX4</i>	0.0728546	1.075574	0.138166	0.976819	1.184313	0.089716	0.942454
<i>TMEM40</i>	-0.01872	0.981454	0.289626	0.948031	1.016056	0.05979	0.942454
<i>ATP12A</i>	0.0340316	1.034617	0.280242	0.97264	1.100544	0.096121	0.942454
<i>GRIA1</i>	0.0820619	1.085523	0.15854	0.968499	1.216687	0.11055	0.942454
<i>NKX2-4</i>	0.4730731	1.604919	0.212613	0.762748	3.376953	0.085031	0.942454
<i>TSKU</i>	-0.001745	0.998257	0.264112	0.995204	1.001318	0.07311	0.942454
<i>CCNB1</i>	0.0088917	1.008931	0.157165	0.996578	1.021437	0.051956	0.942454
<i>GINS4</i>	0.0164429	1.016579	0.2903	0.986065	1.048037	0.061195	0.942454
<i>GJB5</i>	-0.005927	0.994091	0.210662	0.984908	1.003359	0.111717	0.942454
<i>CALML3</i>	-0.000672	0.999329	0.13504	0.998449	1.000209	0.073385	0.942454
<i>PRC1</i>	-0.004457	0.995553	0.197289	0.98883	1.002321	0.091812	0.942454
<i>ADAM12</i>	-0.03195	0.968555	0.250506	0.917185	1.022801	0.105706	0.942454
<i>RRM2</i>	-0.006757	0.993266	0.233084	0.982297	1.004358	0.124166	0.942454
<i>ARTN</i>	-0.00478	0.995231	0.252079	0.987123	1.003406	0.101204	0.942454
<i>SLC26A9</i>	0.0206479	1.020863	0.28294	0.983102	1.060073	0.158681	0.942454
<i>TCL1B</i>	0.051125	1.052454	0.23407	0.967458	1.144919	0.088403	0.942454
<i>PEAR1</i>	0.0479734	1.049143	0.251525	0.966545	1.138798	0.112949	0.942454

<i>DMRT2</i>	-0.007279	0.992748	0.260266	0.980247	1.005408	0.073064	0.942454
<i>UGT1A6</i>	-0.000883	0.999118	0.15145	0.997913	1.000324	0.090782	0.942454
<i>SERPINB13</i>	-0.003746	0.996261	0.140005	0.991317	1.00123	0.087294	0.942454
<i>RAX</i>	-0.249307	0.779341	0.185994	0.538603	1.12768	0.105952	0.942454
<i>NGEF</i>	0.0369057	1.037595	0.252986	0.973973	1.105373	0.080368	0.942454
<i>RAPGEFL1</i>	-0.001641	0.998361	0.211994	0.995792	1.000936	0.071814	0.942454
<i>CBLC</i>	-0.008018	0.992014	0.241146	0.978802	1.005404	0.090142	0.942454
<i>SFTA3</i>	0.0072993	1.007326	0.178821	0.996663	1.018103	0.091739	0.942454
<i>CCDC108</i>	0.1118047	1.118294	0.181261	0.949225	1.317477	0.082722	0.942454
<i>CI6orf74</i>	-0.011087	0.988974	0.270181	0.969674	1.008658	0.116721	0.942454
<i>ANKRD22</i>	0.0161078	1.016238	0.267467	0.987714	1.045586	0.129004	0.942454
<i>KRT15</i>	-0.000159	0.999841	0.141965	0.99963	1.000053	0.084785	0.942454
<i>TRIM29</i>	-0.000514	0.999486	0.169997	0.998752	1.00022	0.088641	0.942454
<i>TMPRSS4</i>	-0.000953	0.999047	0.123044	0.997837	1.000258	0.096543	0.942454
<i>ADAM23</i>	-0.001328	0.998673	0.199881	0.996648	1.000703	0.12421	0.942454
<i>CPA3</i>	0.018576	1.01875	0.282622	0.984807	1.053862	0.09593	0.942454
<i>FBXO27</i>	-0.003215	0.99679	0.189783	0.992012	1.001592	0.071716	0.942454

<i>CYP4F11</i>	-0.000943	0.999057	0.245726	0.997468	1.000649	0.072564	0.942454
<i>LGALS7B</i>	-0.001656	0.998346	0.284043	0.995326	1.001375	0.073516	0.942454
<i>CHIA</i>	0.1114206	1.117865	0.26277	0.919813	1.358561	0.15585	0.942454
<i>SIPR4</i>	0.0923482	1.096747	0.169818	0.96127	1.251316	0.134196	0.942454
<i>C1orf68</i>	-1.453655	0.233714	0.257633	0.018863	2.895675	0.120696	0.942454
<i>NDRG1</i>	-0.000169	0.999831	0.290196	0.999518	1.000144	0.09214	0.942454
<i>ALDH3A1</i>	-0.00018	0.99982	0.18653	0.999553	1.000087	0.111461	0.942454
<i>KIAA0802</i>	0.1965278	1.217169	0.196848	0.903091	1.640478	0.08995	0.942454
<i>LADI</i>	0.0015433	1.001544	0.201816	0.999174	1.003921	0.087012	0.942454
<i>CBR3</i>	-0.004719	0.995293	0.141707	0.989048	1.001576	0.136551	0.942454
<i>MUC21</i>	0.0412627	1.042126	0.173302	0.982033	1.105896	0.132929	0.942454
<i>C1orf106</i>	-0.006332	0.993688	0.183287	0.984465	1.002999	0.111633	0.942454
<i>KLHDC7B</i>	-0.002131	0.997871	0.14925	0.994984	1.000766	0.094254	0.942454
<i>PHOX2A</i>	0.9789834	2.661749	0.282626	0.44626	15.8762	0.079612	0.942454
<i>DKK4</i>	-0.180421	0.834918	0.2642	0.608269	1.14602	0.095852	0.942454
<i>FPR1</i>	0.0204925	1.020704	0.210906	0.988456	1.054004	0.122195	0.942454
<i>CCDC19</i>	0.0626526	1.064657	0.261179	0.954435	1.187607	0.077759	0.942454

<i>FNDC1</i>	-0.004834	0.995178	0.271847	0.986634	1.003795	0.037239	0.942454
<i>VWA3B</i>	0.1195044	1.126938	0.153911	0.956222	1.328133	0.093079	0.942454
<i>PVRL4</i>	-0.002069	0.997933	0.219732	0.994641	1.001236	0.06394	0.942454
<i>CXCL13</i>	-0.002348	0.997655	0.287058	0.993351	1.001977	0.1007	0.942454
<i>C17orf72</i>	-0.04443	0.956543	0.258474	0.885599	1.033171	0.058493	0.942454
<i>S100A8</i>	0.0008702	1.000871	0.198548	0.999544	1.002199	0.071579	0.942454
<i>PDK4</i>	0.01146	1.011526	0.288963	0.990325	1.03318	0.096336	0.942454
<i>FGF19</i>	0.0071069	1.007132	0.180651	0.996708	1.017666	0.103144	0.942454
<i>PCDH12</i>	0.0323395	1.032868	0.279944	0.974018	1.095274	0.102912	0.942454
<i>TFAP2C</i>	-0.018871	0.981306	0.282276	0.948123	1.015649	0.124771	0.942454
<i>MRAP2</i>	-0.008472	0.991564	0.145118	0.980328	1.002929	0.088797	0.942454
<i>UNC93A</i>	0.5526581	1.737866	0.236648	0.695824	4.340433	0.088783	0.942454
<i>BEST2</i>	-0.28704	0.750482	0.269434	0.450922	1.249047	0.105927	0.942454
<i>HYDIN</i>	-0.06037	0.941416	0.253126	0.848819	1.044114	0.081842	0.942454
<i>HHIP</i>	0.0278769	1.028269	0.171234	0.988017	1.070161	0.094024	0.942454
<i>SOX15</i>	-0.004207	0.995802	0.226114	0.989043	1.002608	0.109217	0.942454
<i>KLK10</i>	-0.003514	0.996492	0.243371	0.990627	1.002392	0.144493	0.942454

<i>FILIP1</i>	0.0714476	1.074062	0.141906	0.976387	1.181508	0.084389	0.942454
<i>LRRC15</i>	-0.00471	0.995301	0.259086	0.987193	1.003476	0.06222	0.942454
<i>HTR1E</i>	0.7942259	2.212727	0.164659	0.721795	6.783312	0.149035	0.942454
<i>KL</i>	0.0937941	1.098334	0.274099	0.928399	1.299373	0.133483	0.942454
<i>TMPRSS2</i>	0.0080544	1.008087	0.211013	0.995444	1.020891	0.095992	0.942454
<i>GBX2</i>	-0.404134	0.667554	0.274703	0.323261	1.37854	0.127516	0.942454
<i>ZBTB16</i>	0.1075037	1.113495	0.230936	0.933903	1.327623	0.099677	0.942454
<i>PLEKHG4B</i>	-0.006513	0.993509	0.180132	0.984092	1.003015	0.07917	0.942454
<i>C13orf15</i>	0.0117604	1.01183	0.154184	0.995594	1.028331	0.08054	0.942454
<i>KIFC1</i>	-0.009913	0.990136	0.152257	0.976788	1.003665	0.077767	0.942454
<i>ANLN</i>	0.0104006	1.010455	0.287111	0.991289	1.029991	0.072302	0.942454
<i>CA7</i>	-3.119562	0.044177	0.160842	0.000564	3.458224	0.082265	0.942454
<i>RNASE1</i>	0.0018049	1.001806	0.157625	0.999302	1.004317	0.147425	0.942454
<i>NRARP</i>	-0.003344	0.996662	0.208526	0.991482	1.001869	0.101835	0.942454
<i>RHBDL2</i>	-0.02934	0.971086	0.211431	0.927412	1.016817	0.082893	0.942454
<i>FAM162B</i>	0.2114341	1.235449	0.139713	0.933174	1.635636	0.105159	0.942454
<i>FOLR1</i>	0.0121763	1.012251	0.256257	0.991194	1.033755	0.109816	0.942454

<i>GABRP</i>	-0.003248	0.996757	0.177184	0.992065	1.001471	0.119405	0.942454
<i>GPRIN1</i>	-0.059776	0.941975	0.251596	0.85047	1.043326	0.117847	0.942454
<i>GDF10</i>	0.1277488	1.136268	0.159431	0.951031	1.357583	0.091096	0.942454
<i>PNMA2</i>	0.1173698	1.124535	0.265097	0.914799	1.382358	0.068984	0.942454
<i>C1orf116</i>	0.015775	1.0159	0.226404	0.990263	1.0422	0.055313	0.942454
<i>DSG2</i>	0.0063156	1.006336	0.228347	0.996048	1.01673	0.086081	0.942454
<i>GCLC</i>	-0.000561	0.99944	0.201646	0.99858	1.0003	0.109596	0.942454
<i>CCDC68</i>	0.0365675	1.037244	0.224124	0.977859	1.100236	0.102441	0.942454
<i>DKK1</i>	-0.01042	0.989634	0.13535	0.976191	1.003261	0.101917	0.942454
<i>TROAP</i>	-0.023176	0.97709	0.144014	0.947179	1.007946	0.123809	0.942454
<i>ADH7</i>	-0.000762	0.999238	0.178443	0.998129	1.000348	0.106039	0.942454
<i>C10orf10</i>	0.0163176	1.016451	0.196051	0.991616	1.041909	0.099925	0.942454
<i>RRAD</i>	0.0071709	1.007197	0.259114	0.99473	1.019819	0.125863	0.942454
<i>NXPH4</i>	-0.009986	0.990064	0.178374	0.975769	1.004568	0.082774	0.942454
<i>CAMKV</i>	0.3203785	1.377649	0.243475	0.804128	2.360216	0.129102	0.942454
<i>SCGB3A2</i>	0.2010699	1.22271	0.262377	0.860237	1.737917	0.131146	0.942454
<i>ALDH2</i>	-0.003978	0.996029	0.224125	0.989661	1.002439	0.083249	0.942454

<i>ASPM</i>	-0.071276	0.931205	0.185963	0.837865	1.034943	0.106132	0.942454
<i>IL6</i>	-0.017245	0.982902	0.172253	0.958863	1.007545	0.115931	0.942454
<i>PANX2</i>	-0.004252	0.995757	0.255265	0.988488	1.003078	0.087328	0.942454
<i>DMBT1</i>	0.0033908	1.003397	0.222052	0.99795	1.008872	0.096205	0.942454
<i>MMP13</i>	-0.000719	0.999281	0.174305	0.998245	1.000318	0.101015	0.942454
<i>BCL6B</i>	0.0496252	1.050877	0.27928	0.960528	1.149725	0.167869	0.942454
<i>SLC2A1</i>	0.0001867	1.000187	0.236783	0.999877	1.000496	0.083041	0.942454
<i>ATP11A</i>	0.0046835	1.004695	0.205931	0.997429	1.012013	0.080507	0.942454
<i>SUSD4</i>	-0.004143	0.995865	0.238986	0.989021	1.002757	0.096017	0.942454
<i>CA4</i>	0.3346855	1.397501	0.146338	0.889672	2.195202	0.093951	0.942454
<i>ADM2</i>	-0.030866	0.969605	0.221625	0.922781	1.018806	0.119309	0.942454
<i>COBL</i>	0.0188878	1.019067	0.159153	0.992622	1.046218	0.075463	0.942454
<i>FABP3</i>	0.1971522	1.217929	0.146648	0.933263	1.589425	0.115996	0.942454
<i>C4orf31</i>	0.0242715	1.024568	0.170907	0.989585	1.060789	0.100813	0.942454
<i>AQP4</i>	0.008212	1.008246	0.168281	0.996536	1.020094	0.10404	0.942454
<i>SLC44A5</i>	0.0655544	1.067751	0.236835	0.957854	1.190257	0.082637	0.942454
<i>CD55</i>	0.009555	1.009601	0.193881	0.995152	1.024259	0.076753	0.942454

<i>EIF5A2</i>	0.0098642	1.009913	0.190168	0.995119	1.024927	0.084158	0.942454
<i>KCNT2</i>	0.183046	1.20087	0.207562	0.903373	1.596338	0.121994	0.942454
<i>RAB17</i>	0.0229391	1.023204	0.126616	0.993528	1.053767	0.085847	0.942454
<i>SI00A9</i>	0.000081	1.000081	0.213415	0.999953	1.000209	0.08973	0.942454
<i>SYT10</i>	0.7845798	2.191486	0.239908	0.592206	8.109693	0.105844	0.942454
<i>SLC4A11</i>	-0.004705	0.995306	0.164496	0.988726	1.00193	0.084613	0.942454
<i>RORC</i>	-0.019528	0.980661	0.129067	0.956241	1.005705	0.125762	0.942454
<i>DSCC1</i>	0.1321483	1.141278	0.238068	0.916329	1.421449	0.104863	0.942454
<i>NEDD9</i>	-0.004978	0.995034	0.251627	0.986601	1.003539	0.098554	0.942454
<i>NTRK2</i>	-0.000417	0.999583	0.2693	0.998844	1.000323	0.066856	0.942454
<i>FAM83C</i>	-0.013327	0.986762	0.207818	0.96651	1.007438	0.075912	0.942454
<i>BCL11A</i>	0.0060483	1.006067	0.250804	0.995735	1.016506	0.048417	0.942454
<i>CNR1</i>	0.075833	1.078782	0.158598	0.970841	1.198726	0.124748	0.942454
<i>SLIT3</i>	0.0510287	1.052353	0.287912	0.957831	1.156203	0.100665	0.942454
<i>CGNL1</i>	-0.03313	0.967412	0.215418	0.91801	1.019474	0.080249	0.942454
<i>EDARADD</i>	-0.003582	0.996424	0.221589	0.990718	1.002164	0.093577	0.942454
<i>NRIP3</i>	0.0951219	1.099793	0.279198	0.925737	1.306574	0.176972	0.942454

<i>SLC4A4</i>	-0.078451	0.924547	0.249946	0.808883	1.056751	0.097939	0.942454
<i>SCN4B</i>	-0.036142	0.964503	0.203492	0.912245	1.019755	0.118495	0.942454
<i>KRT80</i>	-0.01557	0.984551	0.167872	0.963004	1.00658	0.08686	0.942454
<i>RNASE7</i>	-0.012066	0.988007	0.288732	0.966226	1.010278	0.067996	0.942454
<i>PRAMI</i>	0.1911196	1.210604	0.150763	0.932783	1.571172	0.038962	0.942454
<i>GPRC5A</i>	0.0047021	1.004713	0.220311	0.997187	1.012296	0.080049	0.942454
<i>SC65</i>	-0.004612	0.995399	0.181799	0.988683	1.00216	0.072289	0.942454
<i>BAI2</i>	-0.025774	0.974555	0.148434	0.941076	1.009226	0.09096	0.942454
<i>ATOH8</i>	-0.106908	0.898608	0.248826	0.749306	1.077659	0.093023	0.942454
<i>COL9A2</i>	-0.002226	0.997776	0.266423	0.993866	1.001702	0.089823	0.942454
<i>RAMP3</i>	0.0562118	1.057822	0.175665	0.97517	1.147479	0.094362	0.942454
<i>PLA2G4F</i>	-0.179929	0.83533	0.1999	0.63442	1.099865	0.095486	0.942454
<i>SLC39A8</i>	0.0169179	1.017062	0.191138	0.991588	1.04319	0.040927	0.942454
<i>RAD54B</i>	0.0774938	1.080576	0.185066	0.963571	1.211788	0.115715	0.942454
<i>CDT1</i>	-0.159041	0.852961	0.20699	0.666267	1.091969	0.119432	0.942454
<i>ITLN2</i>	-0.128732	0.87921	0.28249	0.695242	1.111857	0.075523	0.942454
<i>CYB5R2</i>	-0.009653	0.990393	0.135917	0.977907	1.003039	0.146827	0.942454

<i>DEPDC1B</i>	-0.13715	0.87184	0.155221	0.721607	1.05335	0.115796	0.942454
<i>SCG2</i>	-0.019241	0.980943	0.239456	0.949995	1.0129	0.054439	0.942454
<i>MIAT</i>	-0.005178	0.994836	0.182228	0.987296	1.002433	0.08229	0.942454
<i>ACRV1</i>	-9.84567	5.30x10 ⁻⁵	0.122091	0.000000	13.95557	0.119936	0.942454
<i>SERPINB2</i>	-0.006027	0.993992	0.213212	0.984604	1.003468	0.08567	0.942454
<i>LRRK2</i>	-0.431401	0.649598	0.241615	0.315535	1.33734	0.079349	0.942454
<i>FBN2</i>	-0.00245	0.997553	0.189854	0.993905	1.001214	0.172521	0.942454
<i>SPRR1B</i>	-0.00614	0.993879	0.245416	0.983635	1.004229	0.084028	0.942454
<i>HBA2</i>	0.0166312	1.01677	0.272086	0.987036	1.0474	0.113375	0.942454
<i>PAICS</i>	-0.012532	0.987546	0.140289	0.971234	1.004132	0.092366	0.942454
<i>KCNC1</i>	-0.715212	0.489088	0.196076	0.16538	1.446408	0.107718	0.942454
<i>ACOXL</i>	3.4398817	31.18327	0.144747	0.306294	3174.718	0.088708	0.942454
<i>NCAPD2</i>	-0.001964	0.998038	0.146666	0.995394	1.000688	0.146338	0.942454
<i>NR3C2</i>	0.3481739	1.416479	0.187573	0.843945	2.377421	0.188452	0.942454
<i>ITGA6</i>	0.0130523	1.013138	0.299053	0.988485	1.038406	0.060496	0.949412
<i>AATK</i>	0.0810701	1.084447	0.294647	0.931882	1.26199	0.116621	0.949412
<i>WIF1</i>	0.0020594	1.002061	0.297425	0.998187	1.005951	0.100816	0.949412

<i>LILRA5</i>	-0.079747	0.92335	0.29897	0.79435	1.0733	0.093771	0.949412
<i>FZD10</i>	0.0061373	1.006156	0.297185	0.994613	1.017833	0.078581	0.949412
<i>DIO2</i>	-0.01028	0.989773	0.299652	0.970732	1.009188	0.104488	0.949412
<i>F2RL2</i>	-0.004629	0.995382	0.298679	0.98673	1.004109	0.086892	0.949412
<i>ST6GALNA C5</i>	0.0668735	1.06916	0.307892	0.940193	1.215817	0.109078	0.951129
<i>PDE4C</i>	0.0679834	1.070348	0.308446	0.939091	1.21995	0.075117	0.951129
<i>FOXA2</i>	0.0213011	1.02153	0.303018	0.980951	1.063787	0.106665	0.951129
<i>SMOX</i>	0.0471691	1.048299	0.302256	0.95844	1.146583	0.044011	0.951129
<i>UGT2A1</i>	0.0075113	1.00754	0.306276	0.993145	1.022143	0.085989	0.951129
<i>NCKAP5</i>	-0.026643	0.973709	0.306274	0.925255	1.024699	0.108637	0.951129
<i>HSPB7</i>	0.1359742	1.145652	0.307064	0.882545	1.487199	0.090088	0.951129
<i>C16orf89</i>	0.0180377	1.018201	0.305042	0.983704	1.053909	0.106847	0.951129
<i>SLC46A2</i>	0.2906115	1.337245	0.309737	0.763279	2.342817	0.100609	0.951925
<i>ILIF9</i>	-0.019529	0.980661	0.320577	0.943589	1.019188	0.075566	0.953793
<i>LOC149620</i>	0.6136405	1.847144	0.323022	0.546976	6.237828	0.105034	0.953793
<i>SDPR</i>	0.0036048	1.003611	0.322929	0.996463	1.010811	0.068344	0.953793

<i>CYP4B1</i>	0.0079734	1.008005	0.315876	0.992421	1.023834	0.087044	0.953793
<i>CD34</i>	0.0077833	1.007814	0.31841	0.992522	1.023341	0.107975	0.953793
<i>PHACTR1</i>	0.2078294	1.231003	0.321705	0.816095	1.856854	0.102811	0.953793
<i>TNFRSF18</i>	0.0124793	1.012557	0.320836	0.987915	1.037815	0.089234	0.953793
<i>C4orf26</i>	-0.165351	0.847596	0.322863	0.610685	1.176415	0.09901	0.953793
<i>DOK2</i>	-0.017939	0.982221	0.323793	0.947837	1.017852	0.07437	0.953793
<i>XDH</i>	0.017199	1.017348	0.312671	0.983942	1.051888	0.088282	0.953793
<i>SIX2</i>	-0.006338	0.993682	0.319363	0.981364	1.006156	0.108392	0.953793
<i>COL3A1</i>	0.0001861	1.000186	0.321866	0.999818	1.000554	0.080104	0.953793
<i>LGALS7</i>	-0.002761	0.997242	0.31421	0.991894	1.00262	0.109798	0.953793
<i>SLC34A2</i>	0.000314	1.000314	0.338533	0.999671	1.000957	0.091571	0.956457
<i>MS4A8B</i>	0.0332633	1.033823	0.331102	0.966749	1.105551	0.101107	0.956457
<i>ALDH3B1</i>	0.0059765	1.005994	0.341574	0.99368	1.018461	0.108233	0.956457
<i>MAFA</i>	-0.23156	0.793295	0.348101	0.489063	1.286781	0.093775	0.956457
<i>F10</i>	0.3106108	1.364258	0.346669	0.71441	2.605226	0.168327	0.956457
<i>FKBP4</i>	-0.001282	0.998719	0.332949	0.99613	1.001314	0.055704	0.956457
<i>PAR6G</i>	0.0243349	1.024633	0.326893	0.975979	1.075714	0.05627	0.956457

<i>SIX4</i>	-0.011683	0.988385	0.343998	0.964757	1.012593	0.08188	0.956457
<i>ENG</i>	-1.059995	0.346458	0.331616	0.040767	2.944395	0.093496	0.956457
<i>ARRB1</i>	-0.036129	0.964516	0.349481	0.894209	1.04035	0.091827	0.956457
<i>GKN2</i>	0.126656	1.135027	0.337986	0.875967	1.470701	0.089744	0.956457
<i>UHRF1</i>	0.0107164	1.010774	0.348562	0.988378	1.033678	0.070748	0.956457
<i>KANK3</i>	0.0740374	1.076847	0.33049	0.927669	1.250014	0.054596	0.956457
<i>C5orf13</i>	-0.000718	0.999282	0.347474	0.997787	1.00078	0.103746	0.956457
<i>HIGD1B</i>	-0.297301	0.742821	0.349594	0.398417	1.384938	0.093123	0.956457
<i>PLOD2</i>	0.0010743	1.001075	0.341216	0.998863	1.003292	0.109081	0.956457
<i>PROM2</i>	-0.00059	0.99941	0.330548	0.998222	1.000599	0.097033	0.956457
<i>PPP1R14A</i>	0.0342161	1.034808	0.342204	0.964265	1.110512	0.117789	0.956457
<i>PCSK2</i>	0.0272841	1.02766	0.348819	0.970645	1.088023	0.069135	0.956457
<i>CCNE1</i>	-0.209032	0.811369	0.339091	0.52856	1.245499	0.114718	0.956457
<i>PGBD5</i>	-0.005507	0.994508	0.341072	0.983296	1.005848	0.079992	0.956457
<i>C1orf88</i>	-0.357486	0.699433	0.343831	0.333654	1.46621	0.072302	0.956457
<i>PID1</i>	0.1709586	1.186442	0.341638	0.834099	1.687622	0.081785	0.956457
<i>DNAH10</i>	-0.329679	0.719154	0.346137	0.362205	1.427872	0.072597	0.956457

<i>FAM83D</i>	-0.002722	0.997281	0.354266	0.991553	1.003042	0.094933	0.961216
<i>CABYR</i>	-0.003093	0.996911	0.358522	0.99035	1.003516	0.105731	0.961216
<i>RNASEH2A</i>	-0.00812	0.991913	0.358632	0.974865	1.009259	0.078435	0.961216
<i>NCAPH</i>	-0.010131	0.98992	0.358545	0.968742	1.011562	0.109299	0.961216
<i>CACNAID</i>	-0.412129	0.662239	0.357127	0.27546	1.592101	0.076645	0.961216
<i>SYNE1</i>	0.0130381	1.013123	0.355525	0.985486	1.041536	0.125095	0.961216
<i>LAMA1</i>	-0.006033	0.993985	0.357416	0.981295	1.006839	0.077769	0.961216
<i>COL5A2</i>	0.0012574	1.001258	0.361757	0.998556	1.003968	0.073466	0.966783
<i>CRTAC1</i>	0.0584733	1.060217	0.364532	0.934339	1.203054	0.106567	0.97064
<i>MMP9</i>	-0.001419	0.998582	0.365306	0.995518	1.001655	0.067866	0.97064
<i>PRDM9</i>	0.3668651	1.443203	0.368252	0.649021	3.209196	0.088702	0.973103
<i>NRGN</i>	0.0205432	1.020756	0.36889	0.976025	1.067536	0.06659	0.973103
<i>IRF6</i>	-0.003192	0.996814	0.369399	0.989891	1.003785	0.092288	0.973103
<i>KIF26B</i>	0.0389052	1.039672	0.372152	0.954529	1.132409	0.100549	0.977562
<i>PRDM16</i>	0.0383043	1.039047	0.376403	0.954498	1.131087	0.096378	0.985919
<i>EPHB2</i>	0.0366876	1.037369	0.378284	0.956068	1.125583	0.060897	0.98804
<i>DLX5</i>	-0.002119	0.997883	0.407324	0.992894	1.002897	0.069777	0.991977

<i>TRIM59</i>	-0.008737	0.991301	0.550429	0.963277	1.020141	0.080192	0.991977
<i>LY6K</i>	-0.00573	0.994286	0.613017	0.97245	1.016612	0.096355	0.991977
<i>SHCBP1</i>	-0.004729	0.995283	0.840138	0.950589	1.042078	0.092679	0.991977
<i>KRTDAP</i>	0.0214712	1.021703	0.702597	0.915078	1.140753	0.038726	0.991977
<i>GPIHBP1</i>	0.0248715	1.025183	0.672586	0.913494	1.150529	0.088693	0.991977
<i>LCE1F</i>	-0.659583	0.517067	0.453011	0.092335	2.895522	0.097441	0.991977
<i>AFF3</i>	0.0025729	1.002576	0.881156	0.969323	1.03697	0.077279	0.991977
<i>CNTNAP5</i>	-0.226451	0.797359	0.400222	0.470455	1.351418	0.085601	0.991977
<i>SCGB1D2</i>	-0.813718	0.443207	0.444626	0.055016	3.570439	0.08533	0.991977
<i>PKP3</i>	-0.000607	0.999393	0.632528	0.99691	1.001882	0.083572	0.991977
<i>TBX20</i>	-0.078623	0.924388	0.683387	0.633524	1.348795	0.079715	0.991977
<i>ARNTL2</i>	-0.005014	0.994999	0.427058	0.982765	1.007386	0.111249	0.991977
<i>GNG4</i>	-0.00223	0.997773	0.672511	0.98751	1.008142	0.08191	0.991977
<i>TAL1</i>	-0.03983	0.960953	0.439683	0.868615	1.063107	0.086384	0.991977
<i>CABLES1</i>	0.0045139	1.004524	0.784165	0.972596	1.037501	0.070658	0.991977
<i>TFAP2A</i>	0.0007182	1.000718	0.881678	0.991299	1.010227	0.096006	0.991977
<i>SERPINB5</i>	0.0005172	1.000517	0.61714	0.998491	1.002548	0.082446	0.991977

<i>HK3</i>	0.00525	1.005264	0.673967	0.980975	1.030154	0.06612	0.991977
<i>ZMYND10</i>	0.0263648	1.026715	0.405621	0.964861	1.092535	0.090297	0.991977
<i>ITGB4</i>	-0.000121	0.999879	0.69383	0.999277	1.000481	0.09569	0.991977
<i>A2ML1</i>	0.0004075	1.000408	0.782096	0.997523	1.003301	0.084568	0.991977
<i>CFTR</i>	0.0113567	1.011421	0.519304	0.977083	1.046967	0.07036	0.991977
<i>ZNF716</i>	-0.967359	0.380086	0.391352	0.041616	3.471413	0.085496	0.991977
<i>TENC1</i>	0.0025961	1.0026	0.683721	0.990155	1.015201	0.106337	0.991977
<i>CD93</i>	0.0012251	1.001226	0.626753	0.996294	1.006182	0.101034	0.991977
<i>FEZF2</i>	0.020747	1.020964	0.52235	0.958087	1.087967	0.087582	0.991977
<i>PRLR</i>	-0.004656	0.995355	0.568959	0.979535	1.01143	0.054394	0.991977
<i>SLC16A1</i>	-0.000699	0.999301	0.844324	0.992354	1.006297	0.07605	0.991977
<i>DPEP2</i>	0.0292066	1.029637	0.663014	0.902885	1.174184	0.097625	0.991977
<i>CTHRC1</i>	0.0006692	1.000669	0.834036	0.994425	1.006953	0.092717	0.991977
<i>SOX17</i>	0.1187077	1.126041	0.444112	0.830838	1.52613	0.097276	0.991977
<i>LAMC2</i>	-0.000121	0.999879	0.731222	0.99919	1.000569	0.082329	0.991977
<i>CRH</i>	0.0392507	1.040031	0.83083	0.725536	1.49085	0.095886	0.991977
<i>CYP26C1</i>	0.2495669	1.283469	0.76912	0.242473	6.793726	0.085267	0.991977

<i>MSRI</i>	0.0057529	1.005769	0.483939	0.989698	1.022102	0.087288	0.991977
<i>PDE2A</i>	0.0348462	1.03546	0.411093	0.952902	1.125172	0.105668	0.991977
<i>MGC14436</i>	0.6774753	1.968901	0.396187	0.411672	9.416645	0.103819	0.991977
<i>PKMYT1</i>	0.0271196	1.027491	0.678213	0.903941	1.167927	0.102122	0.991977
<i>TM4SF19</i>	-0.002076	0.997926	0.880725	0.971224	1.025362	0.072644	0.991977
<i>MNDA</i>	0.006989	1.007014	0.675205	0.974625	1.040478	0.041459	0.991977
<i>C2CD4A</i>	0.0103277	1.010381	0.73385	0.951985	1.072359	0.086767	0.991977
<i>EMP2</i>	-0.01179	0.988279	0.778681	0.91027	1.072974	0.094183	0.991977
<i>RAB6B</i>	-0.000621	0.999379	0.765682	0.995304	1.00347	0.117485	0.991977
<i>LGR4</i>	-0.002209	0.997794	0.555623	0.990492	1.005149	0.060127	0.991977
<i>LRFN2</i>	-0.238336	0.787938	0.602799	0.321098	1.933508	0.065208	0.991977
<i>IGSF9</i>	-0.000974	0.999026	0.501988	0.99619	1.001871	0.087692	0.991977
<i>WNT10A</i>	-0.00345	0.996556	0.504418	0.986512	1.006702	0.082377	0.991977
<i>COL6A6</i>	-0.006097	0.993921	0.664458	0.966912	1.021685	0.064427	0.991977
<i>FANCE</i>	-0.005974	0.994043	0.640399	0.969435	1.019276	0.09749	0.991977
<i>LCE3A</i>	-0.529695	0.588785	0.510736	0.121454	2.854303	0.07114	0.991977
<i>ALDH3B2</i>	-0.003089	0.996916	0.753635	0.977868	1.016335	0.059526	0.991977

<i>CPAMD8</i>	-0.004089	0.995919	0.602899	0.980694	1.011381	0.081947	0.991977
<i>NECAB1</i>	0.0231717	1.023442	0.460383	0.962377	1.088383	0.104426	0.991977
<i>DAPL1</i>	-0.000564	0.999436	0.759953	0.995824	1.003061	0.051686	0.991977
<i>SPRRI1A</i>	0.0019173	1.001919	0.680995	0.992802	1.01112	0.067563	0.991977
<i>PERP</i>	-0.000276	0.999725	0.429374	0.999042	1.000408	0.106643	0.991977
<i>DSGI</i>	0.006099	1.006118	0.65929	0.979205	1.033769	0.072442	0.991977
<i>ECSCR</i>	0.1668627	1.181592	0.410663	0.794017	1.75835	0.067656	0.991977
<i>EDNRB</i>	0.0018659	1.001868	0.861345	0.981109	1.023066	0.102188	0.991977
<i>PTPRZ1</i>	-0.000777	0.999223	0.787758	0.993585	1.004893	0.096628	0.991977
<i>MARCO</i>	-0.00277	0.997234	0.436725	0.990297	1.004219	0.084632	0.991977
<i>PGR</i>	0.0207496	1.020966	0.782142	0.881335	1.18272	0.06831	0.991977
<i>GPR133</i>	0.0171405	1.017288	0.566434	0.95939	1.07868	0.086474	0.991977
<i>SMAD6</i>	-0.025077	0.975234	0.486554	0.908721	1.046616	0.093193	0.991977
<i>CA3</i>	-0.016259	0.983872	0.807675	0.863144	1.121486	0.082083	0.991977
<i>CXCR1</i>	0.0423365	1.043245	0.88478	0.588445	1.849554	0.085467	0.991977
<i>ACOX2</i>	0.0213016	1.02153	0.785087	0.876516	1.190536	0.069267	0.991977
<i>ADCY4</i>	0.0055974	1.005613	0.878726	0.935848	1.080579	0.079895	0.991977

<i>F2RL3</i>	0.0494665	1.05071	0.434313	0.92817	1.189429	0.097758	0.991977
<i>PAX9</i>	-0.001533	0.998468	0.731396	0.989764	1.007248	0.073531	0.991977
<i>KRT6A</i>	-0.000011	0.999989	0.701531	0.999932	1.000046	0.097279	0.991977
<i>PHYHD1</i>	0.0087947	1.008833	0.498075	0.983491	1.034829	0.059054	0.991977
<i>KLK8</i>	-0.03873	0.96201	0.604842	0.830747	1.114014	0.065635	0.991977
<i>PPP2R2C</i>	0.0013601	1.001361	0.762642	0.992561	1.010239	0.088803	0.991977
<i>FERMT1</i>	0.0148385	1.014949	0.441263	0.977332	1.054014	0.079518	0.991977
<i>CLIC5</i>	0.0097006	1.009748	0.430668	0.985678	1.034406	0.133323	0.991977
<i>SELENBP1</i>	0.024133	1.024427	0.413577	0.966844	1.085438	0.082237	0.991977
<i>KRT75</i>	-0.001384	0.998617	0.553665	0.994053	1.003202	0.085381	0.991977
<i>CCRL2</i>	0.0213609	1.021591	0.470473	0.964014	1.082606	0.095278	0.991977
<i>GABRB1</i>	13.373286	642605.6	0.418185	0.000000	7390000000000 0000000	0.083411	0.991977
<i>PLA2G2A</i>	-0.031196	0.969286	0.690189	0.831446	1.129977	0.059993	0.991977
<i>RETN</i>	0.1628392	1.176847	0.598795	0.641612	2.158578	0.085681	0.991977
<i>MS4A6E</i>	11.551084	103889.5	0.695272	0.000000	1310000000000 0000000000000	0.089354	0.991977

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<i>IGF2BP3</i>	-0.000928	0.999073	0.760607	0.993127	1.005054	0.092969	0.991977
<i>OVOL1</i>	-0.004377	0.995633	0.609223	0.979064	1.012482	0.103546	0.991977
<i>ADAMTS8</i>	0.0150594	1.015173	0.680163	0.945029	1.090524	0.128839	0.991977
<i>ITGA11</i>	-0.0019	0.998101	0.821227	0.981784	1.01469	0.069697	0.991977
<i>HOXB9</i>	-0.001043	0.998957	0.703981	0.993597	1.004347	0.136049	0.991977
<i>CCL14</i>	-0.014748	0.985361	0.489519	0.944997	1.027448	0.079901	0.991977
<i>SIRPB1</i>	-0.006247	0.993772	0.838244	0.935919	1.055202	0.078104	0.991977
<i>FHL5</i>	0.097908	1.102861	0.52445	0.815807	1.490921	0.094689	0.991977
<i>EPHA1</i>	-0.001053	0.998948	0.845387	0.988436	1.009572	0.058086	0.991977
<i>AGXT</i>	-0.159828	0.85229	0.717117	0.359001	2.023387	0.089394	0.991977
<i>COL29A1</i>	-0.019415	0.980773	0.795682	0.846736	1.136028	0.079978	0.991977
<i>TMEM79</i>	-0.005398	0.994616	0.390257	0.982443	1.00694	0.041781	0.991977
<i>B4GALNT1</i>	-0.007871	0.99216	0.881581	0.894555	1.100415	0.094376	0.991977
<i>DLK1</i>	-0.000213	0.999787	0.883156	0.996957	1.002626	0.090923	0.991977
<i>NEFL</i>	-0.001639	0.998362	0.812417	0.984934	1.011972	0.089534	0.991977
<i>LMO3</i>	0.0023065	1.002309	0.423064	0.996669	1.007981	0.095902	0.991977

<i>EFNA3</i>	-0.008188	0.991845	0.400035	0.97311	1.010941	0.092669	0.991977
<i>LASS3</i>	-0.00805	0.991982	0.512828	0.968351	1.016189	0.086577	0.991977
<i>EXOC3L</i>	0.0641239	1.066224	0.797729	0.652944	1.741091	0.084468	0.991977
<i>PIWIL1</i>	0.1208126	1.128413	0.730005	0.568193	2.240995	0.08027	0.991977
<i>GIMAP8</i>	-0.005703	0.994313	0.7884	0.953754	1.036598	0.072978	0.991977
<i>SLCO1B1</i>	-0.85449	0.4255	0.76518	0.001562	115.8904	0.077849	0.991977
<i>CYP24A1</i>	0.0008821	1.000883	0.651804	0.997055	1.004725	0.067037	0.991977
<i>MCM6</i>	0.0129462	1.01303	0.554176	0.970493	1.057432	0.052387	0.991977
<i>CCDC85A</i>	-0.013252	0.986835	0.805941	0.887826	1.096887	0.081107	0.991977
<i>C20orf85</i>	0.0197158	1.019911	0.660365	0.93405	1.113666	0.064583	0.991977
<i>TH</i>	-0.022399	0.97785	0.503525	0.915736	1.044176	0.096308	0.991977
<i>SPAG5</i>	0.0067371	1.00676	0.595623	0.98202	1.032123	0.09767	0.991977
<i>DLK2</i>	-0.006295	0.993725	0.733106	0.958414	1.030337	0.066167	0.991977
<i>KANK2</i>	0.0023762	1.002379	0.869091	0.97445	1.031108	0.068581	0.991977
<i>KCNQ2</i>	0.1018916	1.107263	0.751294	0.589653	2.079244	0.089646	0.991977
<i>GGH</i>	0.0038863	1.003894	0.431992	0.99421	1.013672	0.092947	0.991977
<i>APOBEC1</i>	5.4110823	223.8738	0.767313	0.000000	825000000000	0.093664	0.991977

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<i>HYAL1</i>	-0.00588	0.994137	0.729517	0.961548	1.027831	0.094156	0.991977
<i>BUB1B</i>	-0.003363	0.996642	0.800057	0.971037	1.022923	0.098451	0.991977
<i>COX8C</i>	0.3136794	1.368451	0.436553	0.620937	3.015857	0.084635	0.991977
<i>ACVRL1</i>	0.0087003	1.008738	0.439952	0.986709	1.031259	0.093768	0.991977
<i>MDGA2</i>	0.2616184	1.299031	0.512732	0.593501	2.843265	0.093523	0.991977
<i>A2M</i>	-0.000306	0.999694	0.493179	0.998818	1.00057	0.085171	0.991977
<i>C11orf9</i>	0.2103088	1.234059	0.558208	0.610367	2.495059	0.100073	0.991977
<i>FGFR4</i>	0.0187029	1.018879	0.503287	0.964578	1.076236	0.089182	0.991977
<i>HBB</i>	-0.006464	0.993556	0.514137	0.974447	1.01304	0.085188	0.991977
<i>TP63</i>	-0.000119	0.999881	0.711341	0.999251	1.000511	0.091842	0.991977
<i>GRASP</i>	0.0042798	1.004289	0.823689	0.967182	1.042819	0.078629	0.991977
<i>DNTT</i>	7.5657341	1930.886	0.490241	0.000001	4170000000000	0.099358	0.991977
<i>ATCAY</i>	-0.147338	0.863002	0.75482	0.342307	2.175745	0.096799	0.991977
<i>CLDN18</i>	-0.001915	0.998087	0.668631	0.989374	1.006877	0.071117	0.991977
<i>GPX2</i>	-0.000105	0.999895	0.587292	0.999514	1.000275	0.098733	0.991977
<i>EDN2</i>	0.0150859	1.0152	0.454563	0.975844	1.056144	0.103801	0.991977

<i>CDKL2</i>	-0.017103	0.983042	0.792237	0.865573	1.116454	0.09408	0.991977
<i>PRR15L</i>	0.0095229	1.009568	0.690412	0.963351	1.058003	0.091435	0.991977
<i>ALDH1L1</i>	0.0018143	1.001816	0.833964	0.984965	1.018955	0.084239	0.991977
<i>GPD1L</i>	-0.010509	0.989546	0.764339	0.923843	1.059923	0.060343	0.991977
<i>COL1A1</i>	-0.000055	0.999945	0.444277	0.999805	1.000086	0.058306	0.991977
<i>MUC13</i>	-0.008676	0.991362	0.82722	0.917059	1.071684	0.061952	0.991977
<i>NEK2</i>	-0.010492	0.989563	0.666463	0.94346	1.037919	0.091417	0.991977
<i>GINS2</i>	-0.004384	0.995626	0.689569	0.974438	1.017274	0.096508	0.991977
<i>SYT16</i>	1.2586513	3.52067	0.463646	0.121541	101.9832	0.107422	0.991977
<i>PTTG1</i>	0.0055646	1.00558	0.57023	0.986446	1.025085	0.083355	0.991977
<i>POU2F3</i>	-0.003316	0.996689	0.661791	0.981989	1.01161	0.096276	0.991977
<i>CEL</i>	-0.001368	0.998633	0.410569	0.995385	1.001892	0.101027	0.991977
<i>C1orf74</i>	-0.009514	0.990532	0.575191	0.958117	1.024043	0.136587	0.991977
<i>DARC</i>	0.0032006	1.003206	0.737207	0.984625	1.022137	0.048075	0.991977
<i>CAPN9</i>	0.0505652	1.051865	0.483107	0.913247	1.211525	0.095704	0.991977
<i>GREM1</i>	-0.003799	0.996208	0.439182	0.986666	1.005843	0.106912	0.991977
<i>MS4A7</i>	0.0031145	1.003119	0.713187	0.986599	1.019917	0.098595	0.991977

<i>CCDC17</i>	-0.102807	0.902302	0.592358	0.619316	1.314592	0.094418	0.991977
<i>RSPHI</i>	0.0102515	1.010304	0.843169	0.912737	1.118301	0.073094	0.991977
<i>SORD</i>	0.0050273	1.00504	0.48509	0.990955	1.019325	0.070173	0.991977
<i>NRSNI</i>	-0.31472	0.729993	0.697822	0.149055	3.575131	0.079718	0.991977
<i>PITXI</i>	0.0011997	1.0012	0.837845	0.989763	1.01277	0.092601	0.991977
<i>PPP1R16B</i>	0.0053135	1.005328	0.561131	0.987473	1.023505	0.056811	0.991977
<i>FGD5</i>	0.0072354	1.007262	0.547832	0.983773	1.031311	0.088143	0.991977
<i>GAPDH</i>	-0.000048	0.999952	0.570959	0.999787	1.000118	0.098985	0.991977
<i>ICAM2</i>	0.0022499	1.002252	0.877155	0.974065	1.031256	0.10136	0.991977
<i>KCNA3</i>	0.0230462	1.023314	0.80086	0.855532	1.224	0.08952	0.991977
<i>DNASE1L3</i>	-0.030539	0.969923	0.589293	0.868133	1.083648	0.092623	0.991977
<i>KCTD1</i>	-0.001361	0.99864	0.453543	0.995092	1.0022	0.10216	0.991977
<i>PBK</i>	0.0175361	1.017691	0.461891	0.971242	1.06636	0.078228	0.991977
<i>AQP1</i>	-0.000346	0.999655	0.794156	0.997063	1.002253	0.09138	0.991977
<i>CSRNP1</i>	-0.003813	0.996195	0.868564	0.952212	1.042209	0.093168	0.991977
<i>RASGRP2</i>	0.0067382	1.006761	0.864583	0.931741	1.087821	0.131826	0.991977
<i>EPN3</i>	0.0013907	1.001392	0.860191	0.986014	1.01701	0.074697	0.991977

<i>MMRN2</i>	-0.001003	0.998998	0.889572	0.984959	1.013237	0.084974	0.991977
<i>CDK5R1</i>	-0.055569	0.945947	0.57354	0.779523	1.147901	0.077904	0.991977
<i>MFSD2A</i>	-0.001314	0.998687	0.889401	0.980358	1.017358	0.079101	0.991977
<i>UBXN10</i>	-0.024801	0.975504	0.786636	0.815154	1.167398	0.126586	0.991977
<i>SCGB3A1</i>	0.0016593	1.001661	0.730792	0.992237	1.011173	0.107167	0.991977
<i>C10orf116</i>	-0.003214	0.996791	0.544462	0.986483	1.007206	0.118691	0.991977
<i>SULT2A1</i>	1.2955337	3.652945	0.643228	0.0152	877.8877	0.06525	0.991977
<i>SPN</i>	0.0377684	1.038491	0.721089	0.844018	1.277772	0.095825	0.991977
<i>CENPM</i>	-0.009016	0.991025	0.814673	0.919063	1.068621	0.083497	0.991977
<i>GPER</i>	-0.010365	0.989688	0.853012	0.886909	1.104379	0.077821	0.991977
<i>POSTN</i>	0.0001992	1.000199	0.818347	0.998501	1.001901	0.109048	0.991977
<i>OLR1</i>	0.0063635	1.006384	0.657876	0.978436	1.03513	0.051327	0.991977
<i>GRTPI</i>	-0.008386	0.991649	0.523741	0.966412	1.017545	0.096904	0.991977
<i>ITGA8</i>	0.0239227	1.024211	0.777294	0.867753	1.208879	0.089632	0.991977
<i>LOC731789</i>	-0.298947	0.741599	0.447291	0.343022	1.603306	0.059715	0.991977
<i>HSPA12B</i>	0.0200696	1.020272	0.661031	0.932732	1.116029	0.092431	0.991977
<i>ADAMTS12</i>	0.01769	1.017847	0.639242	0.945279	1.095987	0.093544	0.991977

<i>RICH2</i>	-0.03083	0.96964	0.677742	0.838413	1.121407	0.035024	0.991977
<i>CDH7</i>	-0.841134	0.431221	0.668801	0.009142	20.33959	0.093934	0.991977
<i>KRT6C</i>	0.000611	1.000611	0.493583	0.998862	1.002363	0.064777	0.991977
<i>FPR2</i>	0.0182091	1.018376	0.835846	0.857249	1.209789	0.081778	0.991977
<i>BMP8A</i>	0.0125702	1.01265	0.724657	0.944241	1.086014	0.083935	0.991977
<i>B3GNT3</i>	0.0101014	1.010153	0.737368	0.95224	1.071588	0.090901	0.991977
<i>SCUBE1</i>	0.0024399	1.002443	0.885483	0.969704	1.036287	0.094366	0.991977
<i>ESYT3</i>	-0.076886	0.925995	0.56393	0.713161	1.202347	0.095943	0.991977
<i>FAP</i>	0.0064177	1.006438	0.502122	0.987752	1.025479	0.078153	0.991977
<i>GMFG</i>	-0.006099	0.99392	0.659906	0.967284	1.021289	0.077808	0.991977
<i>RGMA</i>	-0.000337	0.999663	0.819468	0.996772	1.002562	0.089885	0.991977
<i>DNAH9</i>	0.0379935	1.038725	0.773387	0.802025	1.345281	0.089575	0.991977
<i>WFDC1</i>	-0.037857	0.96285	0.754239	0.75967	1.220374	0.096559	0.991977
<i>TNFSF13</i>	0.0062309	1.00625	0.795902	0.959844	1.0549	0.092753	0.991977
<i>VNN2</i>	-0.014728	0.98538	0.470995	0.946701	1.025639	0.07334	0.991977
<i>SESN3</i>	-0.009793	0.990255	0.501884	0.962353	1.018967	0.077222	0.991977
<i>HOXB13</i>	-0.003145	0.99686	0.676641	0.982233	1.011704	0.086382	0.991977

<i>CASS4</i>	0.0364237	1.037095	0.483191	0.936703	1.148247	0.05093	0.991977
<i>PGC</i>	-0.003105	0.9969	0.812263	0.971683	1.022771	0.092384	0.991977
<i>RBPI</i>	-0.000269	0.999732	0.779071	0.997858	1.001609	0.119592	0.991977
<i>KRT19</i>	-0.000040	0.99996	0.593474	0.999813	1.000107	0.089939	0.991977
<i>CLEC14A</i>	0.0083572	1.008392	0.648234	0.972829	1.045255	0.085457	0.991977
<i>PSCA</i>	0.0032536	1.003259	0.450782	0.994811	1.011779	0.103996	0.991977
<i>EXO1</i>	0.0139238	1.014021	0.561881	0.967418	1.062869	0.068565	0.991977
<i>PRX</i>	0.1030119	1.108505	0.403452	0.870535	1.411526	0.107217	0.991977
<i>ESPNP</i>	-0.173764	0.840495	0.888555	0.073969	9.550409	0.096644	0.991977
<i>ESPN</i>	0.0195952	1.019788	0.592238	0.949223	1.0956	0.060427	0.991977
<i>DUSP1</i>	0.0003568	1.000357	0.814136	0.997386	1.003337	0.060612	0.991977
<i>KIAA1462</i>	-0.01262	0.98746	0.512351	0.950876	1.025451	0.097456	0.991977
<i>PRR4</i>	0.001953	1.001955	0.783164	0.988115	1.015989	0.069668	0.991977
<i>WISP1</i>	-0.005323	0.994692	0.837226	0.945444	1.046504	0.07984	0.991977
<i>FXYD1</i>	-0.088405	0.91539	0.550838	0.684627	1.223936	0.086611	0.991977
<i>EPRI</i>	-0.002143	0.997859	0.814003	0.980204	1.015833	0.090035	0.991977
<i>BRCAl</i>	-0.002655	0.997349	0.886725	0.961572	1.034456	0.093657	0.991977

<i>PPAP2C</i>	0.0005808	1.000581	0.878258	0.993173	1.008044	0.05657	0.991977
<i>DKK2</i>	-0.005617	0.994398	0.799953	0.952119	1.038555	0.07824	0.991977
<i>TMEM20</i>	0.0211576	1.021383	0.387515	0.973526	1.071592	0.098271	0.991977
<i>KIF11</i>	-0.00968	0.990366	0.719253	0.939448	1.044045	0.097948	0.991977
<i>NPPB</i>	-4.015614	0.018032	0.482171	0.000000	1316.689	0.087836	0.991977
<i>EMR1</i>	0.0490403	1.050263	0.471074	0.919137	1.200095	0.093844	0.991977
<i>SGCA</i>	0.2027203	1.22473	0.546076	0.634141	2.365345	0.089366	0.991977
<i>ALOX5AP</i>	0.087856	1.091831	0.452352	0.868247	1.37299	0.092273	0.991977
<i>BNC1</i>	-0.0005	0.9995	0.854892	0.994157	1.004872	0.078335	0.991977
<i>SPC25</i>	0.0178922	1.018053	0.737939	0.916751	1.130549	0.075262	0.991977
<i>RTP3</i>	-0.264427	0.767645	0.407833	0.410421	1.435792	0.080554	0.991977
<i>B4GALNT4</i>	-0.005097	0.994916	0.39519	0.983295	1.006674	0.097489	0.991977
<i>MCM8</i>	0.0074782	1.007506	0.590144	0.98046	1.035298	0.086096	0.991977
<i>CPLX2</i>	0.0003224	1.000323	0.88219	0.996066	1.004598	0.091998	0.991977
<i>LYVE1</i>	-0.022224	0.978021	0.720584	0.865883	1.104682	0.08431	0.991977
<i>C19orf45</i>	-1.186365	0.305329	0.714649	0.000528	176.5025	0.08131	0.991977
<i>AHNAK2</i>	-0.003933	0.996075	0.751216	0.972148	1.02059	0.088523	0.991977

<i>C20orf114</i>	0.0012328	1.001234	0.539456	0.997299	1.005184	0.107727	0.991977
<i>C1orf94</i>	0.9686372	2.634352	0.489285	0.169137	41.03077	0.082499	0.991977
<i>WFS1</i>	-0.004767	0.995245	0.611562	0.977103	1.013723	0.097934	0.991977
<i>LY86</i>	0.0239721	1.024262	0.66893	0.917683	1.143218	0.09645	0.991977
<i>LIFR</i>	-0.001068	0.998933	0.69441	0.993625	1.004269	0.086126	0.991977
<i>PLD1</i>	-0.001328	0.998673	0.890112	0.980034	1.017666	0.092499	0.991977
<i>BTBD11</i>	0.0020635	1.002066	0.820013	0.984411	1.020037	0.085646	0.991977
<i>SFTA1P</i>	-0.013504	0.986587	0.87557	0.833157	1.168271	0.091593	0.991977
<i>CXCL2</i>	0.0047058	1.004717	0.843408	0.958883	1.052741	0.097782	0.991977
<i>ARHGAP29</i>	-0.001119	0.998882	0.878133	0.984702	1.013266	0.064947	0.991977
<i>LRRC46</i>	0.1067641	1.112672	0.602339	0.744648	1.662582	0.100399	0.991977
<i>SPP1</i>	-0.000035	0.999965	0.811183	0.999682	1.000249	0.093212	0.991977
<i>FAM57B</i>	-0.035253	0.965362	0.861548	0.649583	1.434647	0.080425	0.991977
<i>DSP</i>	-0.000487	0.999513	0.445736	0.998263	1.000765	0.078712	0.991977
<i>SELP</i>	0.0626213	1.064624	0.561731	0.861662	1.315393	0.09676	0.991977
<i>PLEK2</i>	-0.001567	0.998434	0.686758	0.99086	1.006066	0.096835	0.991977
<i>VSIG2</i>	-0.013828	0.986268	0.519104	0.945668	1.02861	0.088147	0.991977

<i>C5orf4</i>	-0.19946	0.819173	0.676486	0.320985	2.090581	0.089767	0.991977
<i>ATP1A2</i>	0.2596222	1.29644	0.558167	0.543695	3.09136	0.079474	0.991977
<i>BIK</i>	-0.013638	0.986455	0.665326	0.927344	1.049334	0.081516	0.991977
<i>CST1</i>	-0.001263	0.998738	0.860017	0.984822	1.012851	0.093382	0.991977
<i>CSF3</i>	0.0181797	1.018346	0.418159	0.9745	1.064165	0.082931	0.991977
<i>GPX3</i>	0.0021612	1.002164	0.75041	0.988907	1.015598	0.088779	0.991977
<i>LOC153328</i>	-0.061066	0.940761	0.81235	0.568226	1.557534	0.085233	0.991977
<i>MTIM</i>	-0.038859	0.961886	0.671527	0.803751	1.151133	0.11311	0.991977
<i>FUT2</i>	0.009763	1.009811	0.618265	0.971769	1.049341	0.08814	0.991977
<i>GJA4</i>	0.0490127	1.050234	0.385397	0.940203	1.173142	0.141179	0.991977
<i>NINJ2</i>	0.0257295	1.026063	0.779584	0.856876	1.228657	0.088021	0.991977
<i>ABCB6</i>	0.0014444	1.001445	0.591675	0.996174	1.006745	0.109935	0.991977
<i>RND1</i>	0.0057094	1.005726	0.750396	0.970963	1.041733	0.086679	0.991977
<i>PIGR</i>	0.0005185	1.000519	0.783095	0.996832	1.004219	0.075353	0.991977
<i>S100A2</i>	-0.000108	0.999892	0.657008	0.999414	1.00037	0.097884	0.991977
<i>ALG3</i>	-0.000367	0.999634	0.77463	0.997129	1.002145	0.069668	0.991977
<i>NDUFA4L2</i>	0.0004609	1.000461	0.71566	0.997983	1.002945	0.081197	0.991977

<i>LHX1</i>	-0.189432	0.827429	0.673445	0.342856	1.996867	0.089587	0.991977
<i>TMEM179</i>	0.3549812	1.426154	0.533558	0.46648	4.360132	0.09192	0.991977
<i>C4BPA</i>	0.0042125	1.004221	0.403556	0.994344	1.014197	0.079414	0.991977
<i>SLC38A8</i>	0.320847	1.378295	0.586851	0.433271	4.384544	0.08208	0.991977
<i>EPHB3</i>	-0.001833	0.998169	0.652274	0.990244	1.006157	0.072805	0.991977
<i>FGFBP2</i>	0.0006142	1.000614	0.7264	0.997178	1.004063	0.077939	0.991977
<i>SPRR2A</i>	0.0011591	1.00116	0.588492	0.996965	1.005373	0.092351	0.991977
<i>SEMA3B</i>	0.0017917	1.001793	0.76088	0.9903	1.01342	0.099133	0.991977
<i>PEBP4</i>	-0.011737	0.988332	0.649492	0.939552	1.039645	0.075471	0.991977
<i>EGFR</i>	0.0003662	1.000366	0.535024	0.99921	1.001524	0.090291	0.991977
<i>MIF</i>	0.0006955	1.000696	0.697781	0.997189	1.004215	0.103866	0.991977
<i>DMPI</i>	-0.394971	0.673699	0.854182	0.009981	45.47489	0.108167	0.991977
<i>FABP7</i>	-0.001523	0.998478	0.657634	0.991773	1.005228	0.087386	0.991977
<i>RTKN2</i>	-0.009874	0.990174	0.602437	0.95406	1.027655	0.094996	0.991977
<i>CIQTNF7</i>	-0.282111	0.75419	0.451588	0.36181	1.572102	0.077974	0.991977
<i>LRRC36</i>	-0.130088	0.878018	0.703389	0.449448	1.715252	0.101619	0.991977
<i>ECT2</i>	0.0007774	1.000778	0.64924	0.997431	1.004136	0.044225	0.991977

<i>KLF2</i>	-0.011305	0.988758	0.650904	0.941507	1.03838	0.088783	0.991977
<i>EZH2</i>	0.0999695	1.105137	0.508204	0.821873	1.486031	0.059043	0.991977
<i>H19</i>	0.000039	1.000039	0.536548	0.999916	1.000162	0.092278	0.991977
<i>LIMCH1</i>	-0.007415	0.992613	0.523001	0.970284	1.015456	0.088362	0.991977
<i>ABLIM3</i>	-0.002663	0.997341	0.860753	0.968105	1.027459	0.091671	0.991977
<i>SPRR2D</i>	-0.001112	0.998888	0.689951	0.993445	1.004362	0.083988	0.991977
<i>CADM1</i>	0.0036619	1.003669	0.688785	0.985843	1.021817	0.071326	0.991977
<i>NR5A2</i>	0.0346668	1.035275	0.776432	0.814971	1.315131	0.08096	0.991977
<i>GLIPR2</i>	-0.006449	0.993572	0.599365	0.96995	1.017769	0.0831	0.991977
<i>C6orf97</i>	0.0185667	1.01874	0.867962	0.818465	1.268022	0.088013	0.991977
<i>TBR1</i>	-0.36885	0.691529	0.706458	0.101429	4.714742	0.123598	0.991977
<i>COLEC12</i>	0.0121085	1.012182	0.684582	0.954742	1.073078	0.088637	0.991977
<i>PRB2</i>	-0.77416	0.461091	0.46585	0.057566	3.693266	0.094067	0.991977
<i>LOC84740</i>	-0.000526	0.999475	0.787026	0.995671	1.003293	0.085964	0.991977
<i>RNASE4</i>	0.1254018	1.133604	0.614775	0.695607	1.84739	0.084412	0.991977
<i>C7orf58</i>	-0.012618	0.987461	0.807631	0.892086	1.093032	0.08893	0.991977
<i>EMCN</i>	-0.095516	0.908903	0.884819	0.249615	3.309514	0.09433	0.991977

<i>PECAMI</i>	-0.003042	0.996963	0.81954	0.971248	1.023359	0.082897	0.991977
<i>LRRN4</i>	-0.165779	0.847233	0.509174	0.517891	1.386015	0.085053	0.991977
<i>LRRC55</i>	-0.005964	0.994053	0.754388	0.957595	1.031899	0.098608	0.991977
<i>BMP7</i>	0.0024579	1.002461	0.433108	0.996319	1.00864	0.084865	0.991977
<i>FMO5</i>	0.1980294	1.218998	0.518151	0.668575	2.222575	0.069858	0.991977
<i>EIF4EBP1</i>	0.0090728	1.009114	0.580248	0.977182	1.04209	0.091909	0.991977
<i>SPRR3</i>	0.0004851	1.000485	0.566342	0.998828	1.002145	0.086461	0.991977
<i>TNFRSF10 C</i>	0.1326822	1.141887	0.419033	0.827683	1.575369	0.105546	0.991977
<i>FGF11</i>	-0.001525	0.998476	0.618336	0.992504	1.004484	0.110819	0.991977
<i>GNG7</i>	-0.033334	0.967216	0.758945	0.781737	1.196702	0.165492	0.991977
<i>KIF1A</i>	0.0008166	1.000817	0.83396	0.993204	1.008488	0.061949	0.991977
<i>TGFBR2</i>	-0.001139	0.998862	0.818174	0.989214	1.008605	0.094712	0.991977
<i>RBP4</i>	0.0136447	1.013738	0.625929	0.959621	1.070907	0.090929	0.991977
<i>RHOJ</i>	0.0617958	1.063745	0.85434	0.549941	2.057592	0.091697	0.991977
<i>FCN3</i>	-0.015962	0.984165	0.77702	0.881238	1.099114	0.088286	0.991977
<i>BPIL2</i>	-0.263001	0.768741	0.682423	0.218093	2.709687	0.079297	0.991977

<i>FAM107A</i>	0.0403184	1.041142	0.771805	0.79282	1.367242	0.094079	0.991977
<i>FOSB</i>	0.0080013	1.008033	0.527287	0.983334	1.033353	0.07971	0.991977
<i>PTPRN2</i>	-0.039579	0.961194	0.474708	0.862346	1.071372	0.038308	0.991977
<i>SLC6A20</i>	3.4914957	32.83502	0.489544	0.001643	656278.7	0.078923	0.991977
<i>SIX1</i>	-0.007722	0.992308	0.411183	0.9742	1.010752	0.09918	0.991977
<i>FHOD3</i>	-0.138147	0.870971	0.463478	0.602017	1.260081	0.069235	0.991977
<i>GIMAP7</i>	0.0137614	1.013857	0.694256	0.946623	1.085865	0.08606	0.991977
<i>PLA1A</i>	-0.0234	0.976872	0.724036	0.857874	1.112376	0.086393	0.991977
<i>STEAP4</i>	0.0023104	1.002313	0.439156	0.996463	1.008197	0.087098	0.991977
<i>HOPX</i>	-0.009682	0.990364	0.601029	0.955068	1.026965	0.072673	0.991977
<i>KIAA0101</i>	-0.024185	0.976105	0.448681	0.916903	1.039129	0.10136	0.991977
<i>SVEP1</i>	0.008411	1.008446	0.730678	0.961289	1.057917	0.115285	0.991977
<i>RHCG</i>	0.0017372	1.001739	0.639955	0.994473	1.009057	0.092432	0.991977
<i>NOTCH4</i>	-0.011389	0.988676	0.850106	0.878535	1.112626	0.085388	0.991977
<i>VSIG10L</i>	0.0109464	1.011006	0.625414	0.967538	1.056428	0.090173	0.991977
<i>LST1</i>	-0.020747	0.979467	0.855454	0.783514	1.224427	0.086426	0.991977
<i>ZNF703</i>	-0.00218	0.997823	0.737174	0.985202	1.010606	0.089794	0.991977

<i>SERPINB7</i>	-0.013843	0.986252	0.587086	0.938189	1.036778	0.093228	0.991977
<i>JAM2</i>	0.0641643	1.066268	0.603516	0.836957	1.358406	0.11935	0.991977
<i>CD300C</i>	-0.026444	0.973902	0.889939	0.669659	1.416371	0.096036	0.991977
<i>ST3GAL5</i>	0.0059219	1.00594	0.624827	0.982345	1.030101	0.100902	0.991977
<i>FAM19A4</i>	0.2180875	1.243696	0.678455	0.443543	3.487325	0.085963	0.991977
<i>ATP13A4</i>	-0.001831	0.99817	0.796654	0.984364	1.012171	0.081989	0.991977
<i>FAM83B</i>	-0.008586	0.991451	0.553005	0.963722	1.019977	0.071872	0.991977
<i>HEPHL1</i>	-0.00932	0.990723	0.48652	0.965053	1.017076	0.063727	0.991977
<i>LDB2</i>	-0.025878	0.974454	0.391675	0.918429	1.033896	0.064842	0.991977
<i>KLF15</i>	-0.020009	0.98019	0.823027	0.822544	1.16805	0.101852	0.991977
<i>TRPV2</i>	0.0096062	1.009652	0.527262	0.980027	1.040174	0.098001	0.991977
<i>ABI3BP</i>	-0.006956	0.993068	0.598841	0.967662	1.019141	0.084608	0.991977
<i>SERPINB11</i>	0.0238857	1.024173	0.626437	0.930258	1.12757	0.090786	0.991977
<i>LYPD3</i>	-0.001038	0.998963	0.509372	0.995888	1.002047	0.107084	0.991977
<i>C13orf30</i>	0.0141966	1.014298	0.798853	0.90938	1.13132	0.088666	0.991977
<i>SFTPC</i>	0.0002587	1.000259	0.39349	0.999665	1.000853	0.104255	0.991977
<i>RHOBTB2</i>	0.0035269	1.003533	0.855344	0.966194	1.042316	0.102264	0.991977

<i>EROIL</i>	0.0046891	1.0047	0.417192	0.993383	1.016146	0.083378	0.991977
<i>SPOCK2</i>	0.0001467	1.000147	0.890231	0.998065	1.002232	0.085609	0.991977
<i>NTN4</i>	0.0038121	1.003819	0.651405	0.987356	1.020557	0.115489	0.991977
<i>MYCL1</i>	-0.001417	0.998584	0.68977	0.99166	1.005556	0.094984	0.991977
<i>TPBG</i>	-0.002989	0.997015	0.627037	0.985066	1.009109	0.078368	0.991977
<i>PLK1</i>	-0.013349	0.98674	0.595034	0.939349	1.036522	0.088608	0.991977
<i>AQP9</i>	-0.008423	0.991613	0.755525	0.940407	1.045607	0.068423	0.991977
<i>NOS2</i>	0.0030381	1.003043	0.548569	0.993136	1.013048	0.119576	0.991977
<i>KNDC1</i>	-0.023197	0.97707	0.769831	0.836454	1.141324	0.041127	0.991977
<i>ABCC5</i>	-0.000712	0.999288	0.711336	0.995528	1.003063	0.097722	0.991977
<i>CNTNAP2</i>	0.0027289	1.002733	0.428548	0.995981	1.00953	0.129541	0.991977
<i>HES2</i>	-0.008723	0.991315	0.391499	0.971733	1.011292	0.08779	0.991977
<i>FETUB</i>	-0.002704	0.997299	0.866771	0.966284	1.02931	0.082164	0.991977
<i>IGFL1</i>	-0.004694	0.995317	0.677976	0.973505	1.017617	0.071193	0.991977
<i>CLDN17</i>	0.2848945	1.329622	0.619808	0.431452	4.097548	0.082052	0.991977
<i>SOD3</i>	0.0128044	1.012887	0.498649	0.976006	1.051161	0.088574	0.991977
<i>PRG4</i>	0.0299696	1.030423	0.436123	0.95556	1.111151	0.121329	0.991977

<i>LRP2BP</i>	-0.690492	0.501329	0.523488	0.060098	4.182053	0.096369	0.991977
<i>FJX1</i>	-0.010263	0.989789	0.594017	0.953132	1.027856	0.07511	0.991977
<i>SLC6A15</i>	0.0024187	1.002422	0.632264	0.99254	1.012401	0.060251	0.991977
<i>TGM3</i>	0.0063961	1.006417	0.744792	0.968395	1.045931	0.0879	0.991977
<i>CFD</i>	0.0112466	1.01131	0.57948	0.971872	1.052349	0.091024	0.991977
<i>ARHGEF15</i>	0.0715326	1.074153	0.748151	0.69411	1.662281	0.090677	0.991977
<i>NLRP10</i>	-1.462451	0.231668	0.795585	0.000004	14790.48	0.086818	0.991977
<i>MEX3A</i>	-0.002376	0.997627	0.448754	0.991512	1.003779	0.074615	0.991977
<i>CLCN2</i>	-0.005435	0.99458	0.669775	0.970045	1.019735	0.072328	0.991977
<i>PLCH2</i>	0.0027842	1.002788	0.569758	0.993207	1.012462	0.116323	0.991977
<i>IGF2BP1</i>	0.0025403	1.002543	0.692092	0.990018	1.015227	0.097443	0.991977
<i>SGMS2</i>	0.0119403	1.012012	0.702453	0.951876	1.075947	0.092992	0.991977
<i>KRT14</i>	-0.0000223	0.999978	0.728488	0.999852	1.000104	0.09675	0.991977
<i>RAC3</i>	0.0021188	1.002121	0.85374	0.979799	1.024952	0.08254	0.991977
<i>ATOH7</i>	-1.212996	0.297305	0.541918	0.00603	14.6577	0.078996	0.991977
<i>PCDP1</i>	-0.18667	0.829718	0.440212	0.516495	1.332891	0.080796	0.991977
<i>FRY</i>	-0.013785	0.98631	0.630252	0.932476	1.043251	0.142496	0.991977

<i>RPL3L</i>	-2.974948	0.05105	0.796967	0.000000	355415825.3	0.083839	0.991977
<i>AOX1</i>	-0.085246	0.918287	0.666243	0.623367	1.352736	0.084205	0.991977
<i>LGR5</i>	0.0045023	1.004512	0.686312	0.982802	1.026702	0.101144	0.991977
<i>MCM4</i>	-0.00305	0.996955	0.447182	0.989146	1.004825	0.123903	0.991977
<i>TEKT1</i>	0.1467944	1.158116	0.526625	0.735204	1.8243	0.099066	0.991977
<i>CLDN10</i>	0.0032416	1.003247	0.629494	0.990121	1.016546	0.136779	0.991977
<i>CNTN6</i>	-0.26516	0.767083	0.536433	0.330943	1.778003	0.061646	0.991977
<i>ITGB8</i>	-0.004728	0.995283	0.437033	0.983487	1.007221	0.077162	0.991977
<i>GIMAP1</i>	0.0814496	1.084859	0.487846	0.861859	1.365557	0.098987	0.991977
<i>GNAI4</i>	0.0326288	1.033167	0.831349	0.765174	1.395021	0.065633	0.991977
<i>FGFBP1</i>	-0.00074	0.99926	0.501712	0.997104	1.001421	0.073578	0.991977
<i>CDK1</i>	0.0044303	1.00444	0.590305	0.988371	1.020771	0.096997	0.991977
<i>Clorf173</i>	0.0863272	1.090163	0.704178	0.698166	1.702252	0.102911	0.991977
<i>TSPAN12</i>	0.0106161	1.010673	0.548639	0.976213	1.046348	0.076596	0.991977
<i>FOXF1</i>	-0.229299	0.795091	0.391341	0.470673	1.343118	0.109651	0.991977
<i>PADI3</i>	0.016691	1.016831	0.476666	0.971148	1.064663	0.08855	0.991977
<i>SLC44A4</i>	-0.002539	0.997464	0.709088	0.984246	1.01086	0.086141	0.991977

<i>MS4A2</i>	0.0541157	1.055607	0.626588	0.84884	1.31274	0.089337	0.991977
<i>CXCL14</i>	-0.000227	0.999773	0.514572	0.999092	1.000455	0.100893	0.991977
<i>DRAM1</i>	-0.004229	0.99578	0.500361	0.983606	1.008104	0.048538	0.991977
<i>CYP2B7P1</i>	0.0043729	1.004383	0.572215	0.989256	1.01974	0.066906	0.991977
<i>PVRL1</i>	-0.000734	0.999266	0.386989	0.997606	1.000929	0.064783	0.991977
<i>KRT1</i>	-0.014684	0.985423	0.618524	0.930082	1.044057	0.071946	0.991977
<i>MMP12</i>	0.0012097	1.00121	0.838548	0.989627	1.012929	0.058515	0.991977
<i>RASGRF1</i>	0.0165059	1.016643	0.585659	0.958066	1.078801	0.063766	0.991977
<i>SLCO4C1</i>	-0.004652	0.995359	0.769051	0.964923	1.026754	0.062754	0.991977
<i>LPL</i>	-0.090383	0.913581	0.622435	0.637535	1.309152	0.086096	0.991977
<i>ESPL1</i>	0.0214838	1.021716	0.694627	0.917802	1.137396	0.089708	0.991977
<i>AIMIL</i>	-0.012958	0.987126	0.395049	0.958084	1.017047	0.091551	0.991977
<i>SYTI5</i>	-0.069819	0.932563	0.460413	0.774761	1.122505	0.069719	0.991977
<i>SRXN1</i>	-0.000053	0.999947	0.889736	0.999195	1.000699	0.104804	0.991977
<i>KRT31</i>	0.0002011	1.000201	0.817794	0.998492	1.001913	0.082112	0.991977
<i>GPR115</i>	0.0053658	1.00538	0.533897	0.988526	1.022522	0.099673	0.991977
<i>STRA6</i>	-0.019891	0.980305	0.484358	0.92715	1.036508	0.060081	0.991977

<i>RPS6KA2</i>	-0.003645	0.996362	0.731855	0.975804	1.017352	0.101771	0.991977
<i>LIMS2</i>	-0.042084	0.95879	0.391185	0.870858	1.0556	0.093032	0.991977
<i>SLC2A5</i>	0.0325636	1.0331	0.67751	0.886115	1.204466	0.080504	0.991977
<i>TIMELESS</i>	-0.045895	0.955142	0.72115	0.742364	1.228909	0.069486	0.991977
<i>RECQL4</i>	0.003805	1.003812	0.791661	0.975869	1.032556	0.073362	0.991977
<i>GJB2</i>	0.0001288	1.000129	0.807327	0.999094	1.001164	0.062803	0.991977
<i>FAM105A</i>	-0.017267	0.982882	0.721667	0.893807	1.080834	0.126575	0.991977
<i>MCM2</i>	-0.000356	0.999645	0.877302	0.995143	1.004166	0.080243	0.991977
<i>KIF18B</i>	0.0202985	1.020506	0.642285	0.936739	1.111763	0.095743	0.991977
<i>MAD2L1</i>	0.0149432	1.015055	0.830526	0.885237	1.163911	0.094105	0.991977
<i>BDH1</i>	0.0040695	1.004078	0.7069	0.983004	1.025604	0.051334	0.991977
<i>SEMA3G</i>	-0.056688	0.944889	0.795326	0.615692	1.4501	0.088024	0.991977
<i>KRT76</i>	-0.074817	0.927913	0.526039	0.736323	1.169354	0.09017	0.991977
<i>MS4A15</i>	0.0265706	1.026927	0.890842	0.70265	1.50086	0.088585	0.991977
<i>SLIT2</i>	0.0173407	1.017492	0.678815	0.937313	1.104529	0.088146	0.991977
<i>SSTR1</i>	0.0703531	1.072887	0.735145	0.713727	1.612783	0.073591	0.991977
<i>C11orf88</i>	0.9200147	2.509327	0.498363	0.174955	35.99051	0.086325	0.991977

<i>BTNL9</i>	-0.003397	0.996609	0.847651	0.962664	1.031751	0.071546	0.991977
<i>TMEM139</i>	0.0109833	1.011044	0.599165	0.970472	1.053312	0.101791	0.991977
<i>TCHHL1</i>	150.8895	0.000000	0.642197	0.000000	inf	0.08723	0.991977
<i>SLC16A9</i>	-0.010705	0.989352	0.757699	0.924303	1.058979	0.105913	0.991977
<i>AKR1B10</i>	0.0152276	1.015344	0.458162	0.975308	1.057024	0.082473	0.991977
<i>TRIP13</i>	0.0054705	1.005485	0.757232	0.971207	1.040973	0.135851	0.991977
<i>KRT83</i>	-0.095647	0.908785	0.796767	0.438863	1.881888	0.086127	0.991977
<i>HPGD</i>	0.0052167	1.00523	0.658843	0.982219	1.028781	0.084687	0.991977
<i>RASL12</i>	-0.030396	0.970061	0.635885	0.855365	1.100137	0.096013	0.991977
<i>TRIM7</i>	-0.02935	0.971077	0.474255	0.896067	1.052365	0.080149	0.991977
<i>ITLN1</i>	0.4801799	1.616365	0.573887	0.303178	8.617509	0.100027	0.991977
<i>C2orf39</i>	0.0607939	1.06268	0.701503	0.778742	1.450145	0.092562	0.991977
<i>ZPI</i>	0.4134972	1.512097	0.798142	0.063587	35.95738	0.08299	0.991977
<i>TREM1</i>	-0.022983	0.977279	0.725751	0.859503	1.111193	0.089271	0.991977
<i>TUBB3</i>	-0.001398	0.998603	0.842005	0.984969	1.012425	0.070128	0.991977
<i>CAT</i>	-0.002467	0.997536	0.778719	0.98052	1.014848	0.088938	0.991977
<i>PKNOX2</i>	-0.020365	0.979841	0.805054	0.833531	1.151833	0.098447	0.991977

<i>PFN2</i>	0.0005835	1.000584	0.643189	0.998116	1.003057	0.096071	0.991977
<i>CDKN3</i>	-0.077504	0.925423	0.468263	0.750558	1.14103	0.094113	0.991977
<i>FBLN5</i>	-0.002476	0.997527	0.7234	0.983945	1.011298	0.076276	0.991977
<i>TMEM117</i>	-0.013466	0.986624	0.813973	0.881939	1.103735	0.083696	0.991977
<i>IGF2BP2</i>	0.0006648	1.000665	0.770053	0.996215	1.005135	0.083073	0.991977
<i>GATA6</i>	-0.013241	0.986846	0.731857	0.914866	1.06449	0.093548	0.991977
<i>BUB1</i>	-0.021938	0.978301	0.803139	0.823309	1.16247	0.130334	0.991977
<i>HAP1</i>	0.0018754	1.001877	0.88883	0.975876	1.028571	0.135311	0.991977
<i>SFTPA1</i>	-0.00216	0.997842	0.763061	0.983929	1.011953	0.097533	0.991977
<i>NTN3</i>	-0.247512	0.780741	0.741378	0.179527	3.39534	0.08868	0.991977
<i>SLC6A4</i>	-0.059286	0.942437	0.533453	0.782017	1.135765	0.074737	0.991977
<i>CELSR2</i>	0.004919	1.004931	0.577733	0.987677	1.022486	0.097772	0.991977
<i>ACE</i>	-0.023055	0.977209	0.83881	0.782552	1.220286	0.081543	0.991977
<i>WNK2</i>	0.0097512	1.009799	0.402967	0.986984	1.033141	0.078253	0.991977
<i>MMP10</i>	-0.182914	0.83284	0.554213	0.454276	1.526874	0.06518	0.991977
<i>CAV1</i>	-0.000648	0.999353	0.528385	0.997343	1.001367	0.070269	0.991977
<i>SUSD2</i>	0.0028665	1.002871	0.558919	0.993276	1.012557	0.05453	0.991977

<i>DPYSL2</i>	-0.005893	0.994125	0.646167	0.969428	1.019451	0.073473	0.991977
<i>C7orf52</i>	-1.907212	0.148494	0.80881	0.000000	760559.2	0.093646	0.991977
<i>TNNC1</i>	0.0528474	1.054269	0.696777	0.808187	1.375278	0.092323	0.991977
<i>HMX3</i>	0.0575781	1.059268	0.893832	0.454746	2.46742	0.09997	0.993159
<i>CDO1</i>	0.0057554	1.005772	0.895864	0.922721	1.096298	0.089866	0.993159
<i>CHI3L2</i>	0.0028826	1.002887	0.894858	0.960916	1.04669	0.091706	0.993159
<i>SBSN</i>	-0.007485	0.992543	0.896213	0.886968	1.110685	0.102564	0.993159
<i>KMO</i>	0.0667933	1.069074	0.897394	0.387361	2.950528	0.087336	0.993274
<i>TP73</i>	-0.00079	0.99921	0.904483	0.986393	1.012193	0.040647	0.998264
<i>GPR116</i>	0.0004626	1.000463	0.906568	0.992764	1.008222	0.072907	0.998264
<i>SFTA2</i>	-0.002091	0.997911	0.910262	0.962271	1.034871	0.090524	0.998264
<i>LY6D</i>	0.000044	1.000044	0.910564	0.999277	1.000811	0.088228	0.998264
<i>ANK2</i>	0.0034462	1.003452	0.907696	0.946665	1.063646	0.084395	0.998264
<i>NPM3</i>	0.0012974	1.001298	0.90928	0.979201	1.023894	0.082825	0.998264
<i>NCCRPI</i>	0.0017915	1.001793	0.903154	0.973297	1.031123	0.091343	0.998264
<i>EYA2</i>	0.0010493	1.00105	0.910392	0.982923	1.019511	0.06995	0.998264
<i>COL17A1</i>	-0.000026	0.999975	0.935937	0.999354	1.000595	0.105129	0.998649

<i>CADM3</i>	0.0003749	1.000375	0.982055	0.968226	1.033591	0.090037	0.998649
<i>KLK6</i>	-0.000278	0.999722	0.971379	0.984636	1.015038	0.055651	0.998649
<i>SFN</i>	0.000001	1.000001	0.996535	0.999583	1.000419	0.08552	0.998649
<i>TFAP2B</i>	-0.000435	0.999565	0.941688	0.987977	1.011289	0.075306	0.998649
<i>FOXJ1</i>	0.0002749	1.000275	0.965526	0.987882	1.012823	0.090914	0.998649
<i>COL11A1</i>	-0.001097	0.998903	0.929602	0.974876	1.023523	0.090428	0.998649
<i>CDH3</i>	-0.000016	0.999984	0.984064	0.998386	1.001584	0.071569	0.998649
<i>FCN1</i>	0.0014117	1.001413	0.978498	0.903706	1.109683	0.065053	0.998649
<i>DSC2</i>	-0.000017	0.999983	0.991954	0.996647	1.00333	0.081839	0.998649
<i>PRAME</i>	0.0001044	1.000104	0.931138	0.99774	1.002474	0.069501	0.998649
<i>TGM1</i>	-0.000169	0.999831	0.97412	0.989689	1.010077	0.088846	0.998649
<i>MACROD2</i>	-0.0008	0.9992	0.97161	0.956137	1.044203	0.085606	0.998649
<i>ODZ4</i>	0.0026787	1.002682	0.913677	0.955276	1.052441	0.092401	0.998649
<i>C20orf186</i>	-0.007994	0.992038	0.989927	0.286808	3.43135	0.08372	0.998649
<i>CDC48</i>	-0.000913	0.999088	0.92553	0.980152	1.018389	0.045145	0.998649
<i>RAB37</i>	-0.001209	0.998791	0.980929	0.904509	1.102901	0.083619	0.998649
<i>SEMA4B</i>	0.000002	1.000002	0.99614	0.99928	1.000724	0.069479	0.998649

<i>FAM167A</i>	-0.004096	0.995913	0.915884	0.923024	1.074557	0.088491	0.998649
<i>GJB3</i>	0.000074	1.000074	0.978058	0.994823	1.005352	0.08906	0.998649
<i>PI3</i>	0.000052	1.000052	0.93028	0.998881	1.001225	0.083953	0.998649
<i>PLA2G1B</i>	0.0104954	1.010551	0.953838	0.708321	1.441738	0.068043	0.998649
<i>MMP11</i>	-0.000113	0.999887	0.943778	0.996762	1.003022	0.053667	0.998649
<i>MYB</i>	0.000033	1.000033	0.99623	0.98643	1.013824	0.089876	0.998649
<i>SSTR5</i>	-0.004536	0.995474	0.987197	0.572013	1.732422	0.095835	0.998649
<i>TIE1</i>	-0.001311	0.99869	0.949991	0.9586	1.040456	0.089935	0.998649
<i>ABCA4</i>	-0.001069	0.998932	0.941685	0.970736	1.027947	0.086074	0.998649
<i>KIAA1683</i>	0.0027634	1.002767	0.991686	0.596307	1.686282	0.100693	0.998649
<i>MFAP4</i>	-0.000007	0.999993	0.99709	0.996459	1.003541	0.088162	0.998649
<i>RFC4</i>	-0.000069	0.999932	0.988259	0.990896	1.00905	0.078955	0.998649
<i>GMPS</i>	0.0001088	1.000109	0.964199	0.995369	1.004872	0.050655	0.998649
<i>GNG11</i>	-0.002215	0.997787	0.925957	0.952248	1.045504	0.089677	0.998649
<i>EPAS1</i>	0.0001277	1.000128	0.956339	0.995565	1.004712	0.106404	0.998649
<i>SELV</i>	0.0204682	1.020679	0.988637	0.061038	17.06769	0.092369	0.998649
<i>DPCR1</i>	-0.019814	0.980381	0.919109	0.668846	1.437024	0.098196	0.998649

<i>SMOC1</i>	0.0005638	1.000564	0.92234	0.989286	1.01197	0.09131	0.998649
<i>CSF3R</i>	0.000076	1.000076	0.992556	0.98427	1.016135	0.091802	0.998649
<i>CRABP2</i>	-0.000047	0.999953	0.967849	0.997659	1.002252	0.108064	0.998649
<i>TMEM132A</i>	-0.00015	0.99985	0.919003	0.996966	1.002742	0.0911	0.998649
<i>TMEM158</i>	-0.000086	0.999914	0.993971	0.977839	1.022487	0.078245	0.998649
<i>B4GALT4</i>	0.000064	1.000064	0.974291	0.996165	1.003979	0.059765	0.998649
<i>C1orf157</i>	-0.001941	0.99806	0.99545	0.512086	1.945229	0.084255	0.998649
<i>LYPD6B</i>	-0.000902	0.999098	0.985147	0.908553	1.098667	0.089739	0.998649
<i>GALNT14</i>	-0.000453	0.999547	0.913944	0.99136	1.007801	0.074518	0.998649
<i>C13orf36</i>	0.0029468	1.002951	0.980547	0.791417	1.271025	0.069884	0.998649
<i>COX4I2</i>	-0.044669	0.956314	0.938679	0.30645	2.984296	0.085801	0.998649
<i>FABP4</i>	0.0004893	1.000489	0.934573	0.988869	1.012246	0.096903	0.998649
<i>C12orf77</i>	0.0028495	1.002854	0.989855	0.646379	1.555921	0.090005	0.998649
<i>HMGA2</i>	-0.000074	0.999926	0.988583	0.989873	1.010082	0.090345	0.998649
<i>CALML5</i>	0.000020	1.00002	0.988447	0.997374	1.002673	0.08539	0.998649
<i>FANCI</i>	0.0011307	1.001131	0.97651	0.928547	1.07939	0.093106	0.998649
<i>DEFA4</i>	-29.8598	0.000000	0.920988	0.000000	1.89x10 ²⁴³	0.091703	0.998649

<i>FLRT3</i>	-0.000144	0.999856	0.986358	0.983522	1.016462	0.085088	0.998649
<i>AKRIC3</i>	0.000003	1.000003	0.992086	0.999449	1.000557	0.087897	0.998649
<i>SCN7A</i>	0.001618	1.001619	0.987078	0.823506	1.218257	0.113924	0.998649
<i>KRT23</i>	-0.000087	0.999913	0.992776	0.981246	1.018935	0.072654	0.998649
<i>PLAU</i>	-0.000017	0.999983	0.971234	0.99908	1.000888	0.08244	0.998649
<i>GLDN</i>	-0.011339	0.988725	0.938089	0.742691	1.316264	0.090745	0.998649
<i>FAM84A</i>	-0.000233	0.999767	0.928686	0.994674	1.004885	0.090151	0.998649
<i>ALOX15B</i>	-0.000713	0.999287	0.966239	0.966841	1.032822	0.099557	0.998649
<i>GINS1</i>	-0.001822	0.99818	0.959695	0.930073	1.071273	0.089705	0.998649
<i>NKX2-1</i>	0.0020103	1.002012	0.932397	0.956535	1.049652	0.074884	0.998649
<i>TNS4</i>	-0.000138	0.999862	0.969794	0.992764	1.007011	0.083286	0.998649
<i>SULF1</i>	-0.000022	0.999978	0.996337	0.990498	1.009548	0.080469	0.998649
<i>RASSF6</i>	0.0005788	1.000579	0.955469	0.980456	1.021115	0.081864	0.998649
<i>RASGEFIC</i>	-0.03267	0.967858	0.980294	0.072435	12.93223	0.103138	0.998649
<i>ADAMDEC I</i>	-0.000243	0.999757	0.993827	0.940124	1.063173	0.096999	0.998649
<i>FSCN1</i>	-0.000037	0.999963	0.978884	0.997263	1.002671	0.090781	0.998649

<i>PRRX2</i>	0.0016882	1.00169	0.997565	0.33867	2.962714	0.10246	0.998649
<i>SOX9</i>	-0.000037	0.999963	0.993733	0.990761	1.00925	0.094292	0.998649
<i>ETNK2</i>	-0.000901	0.9991	0.915944	0.982529	1.01595	0.079041	0.998649
<i>CCDC48</i>	-0.006095	0.993924	0.979359	0.626383	1.577125	0.076451	0.998649
<i>FMO2</i>	0.0002463	1.000246	0.953036	0.992081	1.008479	0.080969	0.998649
<i>PTHLH</i>	-0.000062	0.999938	0.925473	0.998636	1.001242	0.092507	0.998649
<i>FGB</i>	0.0003436	1.000344	0.989411	0.950842	1.052422	0.087309	0.998649
<i>UGT8</i>	-0.001179	0.998822	0.937198	0.969959	1.028544	0.083337	0.998649
<i>ANXA3</i>	0.0013819	1.001383	0.937099	0.967598	1.036348	0.088872	0.998649
<i>SERPINE2</i>	0.0009168	1.000917	0.987525	0.892257	1.12281	0.081855	0.998649
<i>CDH2</i>	0.0021093	1.002112	0.933555	0.953632	1.053055	0.193271	0.998649
<i>C8orf4</i>	-0.000836	0.999165	0.942012	0.976917	1.021919	0.074831	0.998649
<i>JUP</i>	0.000000	1	0.998874	0.999599	1.000402	0.07191	0.998874

HR, Hazard Ratio; lower.95, lower limit of 95% confidence interval; upper.95, upper limit of 95% confidence interval; test.ph, P value of proportional hazards assumption; FDR, false discovery rate.

Table SVIII. Results of sensitivity analyses.

A,LUAD						
Gene		HR	<i>F</i>	<i>P</i> ²	LOO HR (95% CI)	LOO P
<i>ARNTL2</i>	cg26165146	1.037	24.219	0.759	1.05x10 ¹ (1.01x10 ¹ -1.09x10 ¹)	2.22x10 ⁻²
	cg17367616				1.04x10 ¹ (1.02x10 ¹ -1.06x10 ¹)	1.90x10 ⁻⁴
	cg01986577				1.04x10 ¹ (1.02x10 ¹ -1.06x10 ¹)	1.87x10 ⁻⁴
<i>SEMA3G</i>	cg25134747	0.632	0.469	NA		
<i>SDPR</i>	cg10082589	0.980	4.746	0	9.81x10 ⁻¹ (9.71x10 ⁻¹ -9.92x10 ⁻¹)	5.18x10 ⁻⁴
	cg18843739				9.79x10 ⁻¹ (9.68x10 ⁻¹ -9.90x10 ⁻¹)	3.38x10 ⁻⁴
<i>CLIC5</i>	cg23716866	0.987	9.891	0.782	9.90x10 ⁻¹ (9.80x10 ⁻¹ -1.00x10 ¹)	7.12x10 ⁻²
	cg14339765					
	cg09347495				9.87x10 ⁻¹ (9.80x10 ⁻¹ -9.95x10 ⁻¹)	7.39x10 ⁻⁴
<i>LIMS2</i>	cg07262244	0.924	1.647	0.079	9.18x10 ⁻¹ (8.75x10 ⁻¹ -9.64x10 ⁻¹)	5.59x10 ⁻⁴
	cg14282137				9.28x10 ⁻¹ (8.82x10 ⁻¹ -9.75x10 ⁻¹)	3.16x10 ⁻³
	cg08385249				9.28x10 ⁻¹ (8.81x10 ⁻¹ -9.77x10 ⁻¹)	4.17x10 ⁻³
	cg23966569				9.21x10 ⁻¹ (8.79x10 ⁻¹ -9.70x10 ⁻¹)	5.01x10 ⁻⁴

	cg22542731				9.25x10 ⁻¹ (8.83x10 ⁻¹ -9.70x10 ⁻¹)	1.34x10 ⁻³
<i>EMP2</i>	cg04339790	0.997	44.002	NA		
<i>CA7</i>	cg10352418	1.34E-09	0.270	0	1.99x10 ³ (1.25x10 ⁻²⁰ -1.37x10 ²⁶)	7.81x10 ⁻¹
	cg06438797				1.10x10 ⁻¹³ (9.44x10 ⁻²⁶ -1.28x10 ⁻¹)	3.53x10 ⁻²
	cg11258532					
	cg00182273				1.34x10 ⁻⁹ (2.33x10 ⁻¹⁵ -7.68x10 ⁻⁴)	2.53x10 ⁻³
<i>LOC116437</i>	cg20183756	0.141	0.635	0.327	8.33x10 ⁻³ (2.77x10 ⁻⁵ -2.5x10 ¹)	1.00x10 ⁻¹
	cg03859668				1.75x10 ⁻¹ (5.56x10 ⁻² -5.50x10 ⁻¹)	2.87x10 ⁻³
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B,LUSC						
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Gene		HR	<i>F</i>	<i>I</i> ²	LOO HR (95% CI)	LOO P
<i>PREX2</i>	cg13652336	1.958	1.742	0.631	2.05x10 ¹ (1.51x10 ¹ -2.79x10 ¹)	4.29x10 ⁻⁶
	cg16009633				1.65x10 ¹ (1.13x10 ¹ -2.41x10 ¹)	9.71x10 ⁻³
	cg11549615				1.57x10 ¹ (9.03x10 ⁻¹ -2.73x10 ¹)	1.10x10 ⁻¹
	cg05293738				1.96x10 ¹ (1.46x10 ¹ -2.64x10 ¹)	8.59x10 ⁻⁶
	cg17747005				2.20x10 ¹ (1.60x10 ¹ -3.03x10 ¹)	1.40x10 ⁻⁶
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LOO HR (95% CI), leave-one-out cross validation analysis hazard ratio (95% confidence interval); LOO P, leave-one-out cross validation analysis P-value.