

PROBE	RANK IN GENE LIST	RANK METRIC SCORE	RUNNING ES	CORE ENRICHMENT
VWF	213	2.907	-0.073	No
AXL	214	2.904	-0.065	No
FGFR3	263	2.817	-0.076	No
TFRC	299	2.781	-0.081	No
S1PR1	544	2.492	-0.167	No
ABCC4	610	2.454	-0.185	No
NCAN	719	2.380	-0.219	No
GPAA1	732	2.372	-0.217	No
ADI1	810	2.320	-0.240	No
ALDOC	824	2.313	-0.239	No
ATP1A2	855	2.292	-0.244	No
ADCY2	883	2.275	-0.248	No
DHCR7	962	2.227	-0.272	No
GLUL	1016	2.191	-0.286	No
SLC1A4	1384	2.033	-0.419	No
MAOA	1431	2.014	-0.431	No
LRP8	1442	2.008	-0.430	No
DSC2	1457	2.002	-0.430	No
SEC23B	1462	2.000	-0.426	No
AKAP11	1559	-1.977	-0.457	No
PCDH7	1573	-1.980	-0.456	No
GRIA1	1597	-1.989	-0.460	Yes
RIT2	1603	-1.992	-0.456	Yes
LETMD1	1610	-1.994	-0.453	Yes
NELL2	1635	-2.003	-0.457	Yes
STMN2	1644	-2.005	-0.454	Yes
ENOPH1	1673	-2.015	-0.460	Yes
KCNJ3	1676	-2.016	-0.455	Yes
FAIM2	1689	-2.022	-0.454	Yes
PSMA1	1695	-2.024	-0.450	Yes
WDR7	1696	-2.024	-0.445	Yes
CDC40	1697	-2.024	-0.439	Yes
ERGIC2	1698	-2.025	-0.434	Yes
PITPNB	1704	-2.028	-0.430	Yes
ARHGEF3	1705	-2.029	-0.425	Yes
ADAM23	1706	-2.029	-0.420	Yes
TERF2IP	1708	-2.030	-0.414	Yes
MGST3	1715	-2.034	-0.411	Yes
TOP1	1736	-2.045	-0.413	Yes
CDK7	1740	-2.047	-0.409	Yes
GRIN2A	1742	-2.048	-0.404	Yes
TRIM36	1751	-2.052	-0.401	Yes
HPCAL4	1756	-2.053	-0.397	Yes
ATP5H	1758	-2.054	-0.392	Yes
REEP5	1759	-2.056	-0.387	Yes

MPP1	1770	-2.060	-0.385	Yes
RTN4	1778	-2.067	-0.382	Yes
SUMO1	1791	-2.075	-0.381	Yes
ZNHIT3	1792	-2.075	-0.375	Yes
B3GALT2	1798	-2.077	-0.372	Yes
TRO	1804	-2.079	-0.368	Yes
VAMP1	1811	-2.081	-0.364	Yes
MAP2K4	1821	-2.085	-0.362	Yes
ZNF204P	1837	-2.089	-0.362	Yes
CDK14	1841	-2.091	-0.358	Yes
AASDHPPT	1871	-2.097	-0.363	Yes
PLCL2	1873	-2.097	-0.358	Yes
TXN	1889	-2.104	-0.358	Yes
ATP6V1H	1906	-2.114	-0.358	Yes
GLS	1908	-2.115	-0.353	Yes
TAGLN3	1913	-2.119	-0.349	Yes
MATR3	1926	-2.123	-0.348	Yes
CADPS	1929	-2.123	-0.343	Yes
B4GALNT1	1937	-2.128	-0.339	Yes
UBE2B	1940	-2.131	-0.335	Yes
ATP8A2	1941	-2.131	-0.329	Yes
GRIA3	1946	-2.133	-0.325	Yes
LDB2	1947	-2.135	-0.319	Yes
TMEM14A	1972	-2.148	-0.322	Yes
WASF1	1987	-2.155	-0.322	Yes
DEAF1	1988	-2.156	-0.316	Yes
PPP3R1	1990	-2.156	-0.310	Yes
ELOVL4	2010	-2.166	-0.312	Yes
SCN1A	2014	-2.167	-0.307	Yes
RIMS2	2016	-2.168	-0.302	Yes
AP3B2	2021	-2.170	-0.297	Yes
SLC12A5	2031	-2.177	-0.295	Yes
CDH18	2045	-2.185	-0.294	Yes
ATP6V1G2	2052	-2.191	-0.290	Yes
LGALS8	2079	-2.209	-0.294	Yes
C14orf2	2090	-2.218	-0.292	Yes
METTL5	2091	-2.220	-0.286	Yes
SV2B	2101	-2.226	-0.283	Yes
B4GALT6	2116	-2.236	-0.283	Yes
ANK3	2119	-2.238	-0.277	Yes
CDH10	2120	-2.238	-0.271	Yes
SLC25A12	2124	-2.240	-0.266	Yes
CD200	2130	-2.245	-0.262	Yes
SCAMP1	2138	-2.248	-0.259	Yes
DIRAS2	2144	-2.252	-0.255	Yes
RUNX1T1	2150	-2.256	-0.250	Yes
PAPSS1	2151	-2.256	-0.244	Yes

BCL11A	2153	-2.257	-0.239	Yes
SV2A	2161	-2.263	-0.235	Yes
CSE1L	2168	-2.266	-0.231	Yes
LAMTOR3	2170	-2.268	-0.226	Yes
CNTNAP2	2181	-2.276	-0.223	Yes
GABRB3	2195	-2.284	-0.222	Yes
ITSN2	2197	-2.288	-0.216	Yes
KCND2	2215	-2.301	-0.216	Yes
ATRX	2259	-2.338	-0.226	Yes
GUCY1B3	2261	-2.338	-0.221	Yes
SKAP2	2285	-2.358	-0.223	Yes
BCL11B	2286	-2.360	-0.217	Yes
LPHN2	2295	-2.371	-0.213	Yes
CDK5R1	2315	-2.385	-0.214	Yes
BCAP29	2327	-2.395	-0.212	Yes
SCG5	2332	-2.398	-0.207	Yes
ACYP2	2334	-2.399	-0.201	Yes
SERPINI1	2363	-2.424	-0.205	Yes
ATP6V1D	2370	-2.428	-0.200	Yes
MARS	2382	-2.438	-0.198	Yes
RNMT	2396	-2.443	-0.196	Yes
PLCB1	2412	-2.445	-0.195	Yes
NAP1L2	2416	-2.448	-0.190	Yes
ARL4C	2417	-2.448	-0.183	Yes
PJA1	2420	-2.450	-0.178	Yes
SLIT2	2439	-2.468	-0.178	Yes
PRKCB	2452	-2.484	-0.176	Yes
PTPRT	2469	-2.500	-0.175	Yes
RPRM	2477	-2.513	-0.171	Yes
TCEAL1	2483	-2.518	-0.166	Yes
DLG2	2486	-2.520	-0.160	Yes
PREPL	2497	-2.532	-0.157	Yes
RFC5	2505	-2.539	-0.153	Yes
SYT1	2512	-2.546	-0.148	Yes
PSD3	2519	-2.564	-0.143	Yes
ZC3H15	2524	-2.570	-0.138	Yes
PUM2	2534	-2.580	-0.134	Yes
LRRN3	2535	-2.582	-0.127	Yes
HTR1E	2539	-2.589	-0.122	Yes
DNAJC12	2549	-2.599	-0.118	Yes
FKBP3	2554	-2.606	-0.112	Yes
EPHA7	2557	-2.610	-0.106	Yes
HEXB	2559	-2.619	-0.100	Yes
SCN3A	2561	-2.624	-0.093	Yes
ELAVL4	2563	-2.625	-0.086	Yes
CASD1	2578	-2.654	-0.084	Yes
SLC9A6	2585	-2.675	-0.079	Yes

LRP12	2610	-2.708	-0.081	Yes
CCT2	2618	-2.743	-0.076	Yes
XK	2619	-2.745	-0.069	Yes
PRKAR2B	2650	-2.815	-0.073	Yes
ARPC1A	2667	-2.857	-0.071	Yes
GABBR2	2676	-2.869	-0.066	Yes
CNNM1	2690	-2.900	-0.064	Yes
SCN2A	2691	-2.901	-0.056	Yes
MYT1L	2704	-2.937	-0.052	Yes
MEF2C	2711	-2.953	-0.047	Yes
TSPYL1	2727	-2.962	-0.044	Yes
MAP1A	2750	-3.068	-0.044	Yes
PEG3	2755	-3.123	-0.038	Yes
NOS1AP	2762	-3.161	-0.031	Yes
ATP2B1	2765	-3.174	-0.023	Yes
FBXW7	2769	-3.196	-0.016	Yes
CSNK1G3	2776	-3.249	-0.010	Yes
CNKSR2	2779	-3.265	-0.001	Yes
PPP3CA	2787	-3.360	0.005	Yes