

Supplementary information

Table S1

genesymbol	logFC	AveExpr	t	P.Value	adj.P.Val	B
PRAMEF12	1.207071	5.289291	15.33987	3.69E-15	7.54E-11	24.04307
HIST1H4D	1.424006	4.757918	10.87205	1.46E-11	2.14E-08	16.37059
DIO3OS	-1.07802	5.010649	-10.6195	2.50E-11	2.58E-08	15.86311
LINC00669	1.009978	3.622366	8.019865	9.81E-09	2.31E-06	10.11646
RAB43	1.398519	6.104695	7.799001	1.70E-08	3.31E-06	9.584161
RAB3A	1.048865	6.360564	7.454428	4.04E-08	6.36E-06	8.740609
LOC101559451	1.489303	4.69809	7.219217	7.36E-08	1.04E-05	8.155938
HIST1H2BJ	1.296716	4.735321	6.921871	1.59E-07	1.79E-05	7.407069
MIR205	1.289967	5.374969	6.9127	1.63E-07	1.82E-05	7.383807
CYP27B1	1.384973	4.95497	6.893078	1.71E-07	1.88E-05	7.334001
DTWD2	1.063432	6.385036	6.573049	3.96E-07	3.56E-05	6.515681
SMIM6	1.32327	5.206901	6.324409	7.66E-07	6.05E-05	5.87264
MDFI	1.392549	6.184767	5.895932	2.42E-06	0.000152	4.751904
SIGLEC15	1.487419	5.186075	5.73334	3.75E-06	0.000213	4.323239
SLFN13	1.061665	5.963109	5.565351	5.92E-06	0.000306	3.878868
RBM20	-1.60918	4.314142	-5.22653	1.49E-05	0.000604	2.979619
CHGB	-1.00379	4.833502	-5.11816	2.01E-05	0.000745	2.691602
RAB9B	-1.31308	5.857783	-5.08586	2.19E-05	0.000792	2.605751

OR2B6	1.205192	5.157871	5.027475	2.57E-05	0.000885	2.450602
MIR3916	1.061888	4.967606	4.964518	3.05E-05	0.001004	2.283349
GPR19	1.316795	5.888145	4.910771	3.54E-05	0.00113	2.140623
HSH2D	1.188738	6.08417	4.636576	7.48E-05	0.001954	1.414084
MYOCD	-1.22853	4.588151	-4.56978	8.97E-05	0.002239	1.237695
SNAP91	-1.36359	4.277127	-4.53797	9.79E-05	0.002384	1.1538
SECTM1	1.236607	7.458027	4.530132	1.00E-04	0.002427	1.133133
AVIL	1.016075	6.946313	4.490167	0.000111	0.002631	1.027866
ARHGAP11A	1.277471	5.264279	4.431664	0.000131	0.002972	0.874006
FOXM1	1.138544	8.900434	4.393395	0.000145	0.003237	0.773528
ARHGEF39	1.003064	5.793635	4.373628	0.000153	0.003364	0.721683
SYNPO2	-1.06032	5.728157	-4.34083	0.000167	0.00357	0.635737
VSIG10	1.07696	6.050544	4.298288	0.000188	0.003925	0.524454
NR2F2-AS1	-1.21195	5.675253	-4.24935	0.000214	0.004323	0.396679
MCM10	1.203102	7.064613	4.231573	0.000225	0.004461	0.350336
SOD3	-1.16501	6.54615	-4.20116	0.000244	0.004751	0.271137
C11orf96	-1.65338	8.573225	-4.13404	0.000293	0.00537	0.096787
MAGEA4	2.929644	5.125202	4.133925	0.000293	0.00537	0.096488
CORO2B	-1.74196	6.570569	-4.03113	0.000386	0.006569	-0.16929
LPAR4	-1.39544	4.687492	-4.02239	0.000395	0.006677	-0.19181
C3orf70	-1.25567	5.0426	-4.00371	0.000416	0.006932	-0.23991

IDI2-AS1	1.333035	5.018577	3.99696	0.000423	0.006985	-0.25728
CDC7	1.028434	8.280842	3.980913	0.000442	0.007151	-0.29853
KIAA1524	1.100338	5.598609	3.920974	0.000519	0.00806	-0.45224
HLF	-1.46184	4.423035	-3.90847	0.000536	0.008252	-0.48424
RYR2	-1.79947	5.168596	-3.89399	0.000558	0.008476	-0.52124
PDK4	-1.17942	6.060854	-3.88309	0.000574	0.008655	-0.54907
ZDBF2	-1.4947	5.553763	-3.86779	0.000598	0.008917	-0.58808
MAGEL2	-1.28729	4.96085	-3.85551	0.000618	0.009127	-0.61939
CCL7	1.012372	4.602722	3.838586	0.000646	0.009452	-0.66246
ALDH8A1	1.689326	5.13798	3.817002	0.000684	0.009834	-0.71731
PAQR4	1.12182	7.682946	3.809912	0.000697	0.009986	-0.73531
NCAPH	1.112504	7.327264	3.784686	0.000746	0.010444	-0.79928
KIF14	1.13913	7.511816	3.777391	0.00076	0.01059	-0.81775
GAGE3	1.002629	3.859782	3.771156	0.000773	0.010723	-0.83353
PRSS50	1.305398	6.146884	3.762777	0.00079	0.010889	-0.85472
THRB	1.470126	6.544393	3.719847	0.000885	0.011763	-0.96307
MUM1L1	-2.21485	7.146803	-3.71853	0.000888	0.011778	-0.96639
SCN7A	-1.37909	3.996073	-3.69009	0.000958	0.012371	-1.03794
H1FO	1.114338	10.8409	3.682359	0.000977	0.01257	-1.05735
IL12A	1.519046	5.008138	3.636946	0.001102	0.013627	-1.17113
PARP9	1.100782	8.619709	3.629762	0.001122	0.013788	-1.18909

CCNO	1.057846	6.932072	3.62702	0.001131	0.013852	-1.19594
FGF2	-1.03059	4.543535	-3.6139	0.00117	0.014218	-1.22869
ICAM4	1.182265	4.437161	3.596863	0.001224	0.014718	-1.27116
PP12719	1.154199	7.089101	3.589834	0.001246	0.014939	-1.28866
LOC100507459	1.040096	5.885267	3.557289	0.001357	0.016032	-1.36953
SEMA3F	1.119256	7.799048	3.552949	0.001373	0.016143	-1.38029
STIL	1.045615	8.654045	3.55266	0.001374	0.016143	-1.38101
HIST1H2BH	1.220937	8.39381	3.550694	0.001381	0.016194	-1.38588
SPESP1	2.308003	5.582286	3.513331	0.001522	0.017414	-1.47833
FOXJ1	1.286064	7.697082	3.483935	0.001643	0.018429	-1.55081
ABCA6	-1.13743	4.018974	-3.48059	0.001657	0.018538	-1.55903
SLCO6A1	1.066536	5.233817	3.480155	0.001659	0.018549	-1.56011
SDC2	-1.2541	7.054215	-3.46295	0.001735	0.019176	-1.6024
DSC2	1.153988	6.913907	3.446824	0.001809	0.019792	-1.64197
TGM1	1.00943	6.909307	3.375911	0.002172	0.02255	-1.81509
CITED4	1.013713	7.698356	3.371486	0.002197	0.022754	-1.82585
CNRIP1	-1.25928	6.990707	-3.36942	0.002209	0.022838	-1.83088
GGT6	1.781372	7.279187	3.367898	0.002218	0.022858	-1.83456
MGP	-1.10193	6.79063	-3.34348	0.002361	0.02381	-1.89378
ARMC2	1.048354	5.494676	3.319641	0.00251	0.024643	-1.95142
RHOBTB3	-1.02187	5.772907	-3.31891	0.002515	0.024675	-1.95318

EPS8	-1.1772	8.953691	-3.2807	0.002773	0.026435	-2.0452
PLN	-1.24667	3.845452	-3.27658	0.002802	0.026628	-2.05509
ZCCHC12	-1.78463	4.712185	-3.25207	0.002983	0.027839	-2.11384
PIK3R3	1.064161	7.479607	3.242339	0.003057	0.028381	-2.1371
ZBP1	1.079929	5.187188	3.212107	0.003301	0.029816	-2.20919
COL2A1	-1.18019	5.568308	-3.20663	0.003347	0.030089	-2.22221
GLT8D2	-1.33456	7.19004	-3.1881	0.003508	0.031151	-2.26622
KIT	-1.25707	5.878793	-3.16482	0.00372	0.032479	-2.32134
ZFPM2	-1.78214	7.241303	-3.15865	0.003779	0.032841	-2.33591
MFAP4	-1.64735	6.66364	-3.10728	0.004299	0.036004	-2.45676
EP300-AS1	1.056208	5.048299	3.104691	0.004327	0.036169	-2.46283
CCDC178	-1.11646	5.638482	-3.10118	0.004365	0.036352	-2.47106
PCDH7	1.046575	5.632641	3.101005	0.004367	0.036352	-2.47146
PROK1	-1.14428	4.496464	-3.09399	0.004445	0.036785	-2.48789
CLMP	-1.2583	5.275867	-3.07677	0.00464	0.037868	-2.52808
NAP1L3	-1.75997	6.651807	-3.06619	0.004764	0.038574	-2.55275
DACT1	-1.39892	5.884511	-3.028	0.005239	0.041074	-2.6414
LOC101930657	1.040286	4.830437	3.002436	0.005582	0.042951	-2.70043
METTL7B	1.13817	7.038463	2.956726	0.006249	0.046438	-2.80535
GEM	-1.28048	6.598537	-2.95574	0.006264	0.046492	-2.80759
NDNF	-1.2684	5.84311	-2.9474	0.006393	0.047173	-2.82665

IFIT2	1.222828	7.614511	2.94694	0.006401	0.04721	-2.8277
LYPLAL1	-1.75587	7.243634	-2.94413	0.006445	0.047451	-2.83411
ZNF43	1.05296	7.538252	2.940662	0.0065	0.047806	-2.84202
LRRN4CL	-1.01092	5.887386	-2.93606	0.006574	0.048193	-2.85251
FOXL2	-1.72174	5.599786	-2.92659	0.006729	0.049009	-2.87406
BCL11A	1.33662	7.94142	2.919749	0.006842	0.049591	-2.88962
CYP27C1	-1.03285	3.708601	-2.91915	0.006852	0.049593	-2.89097

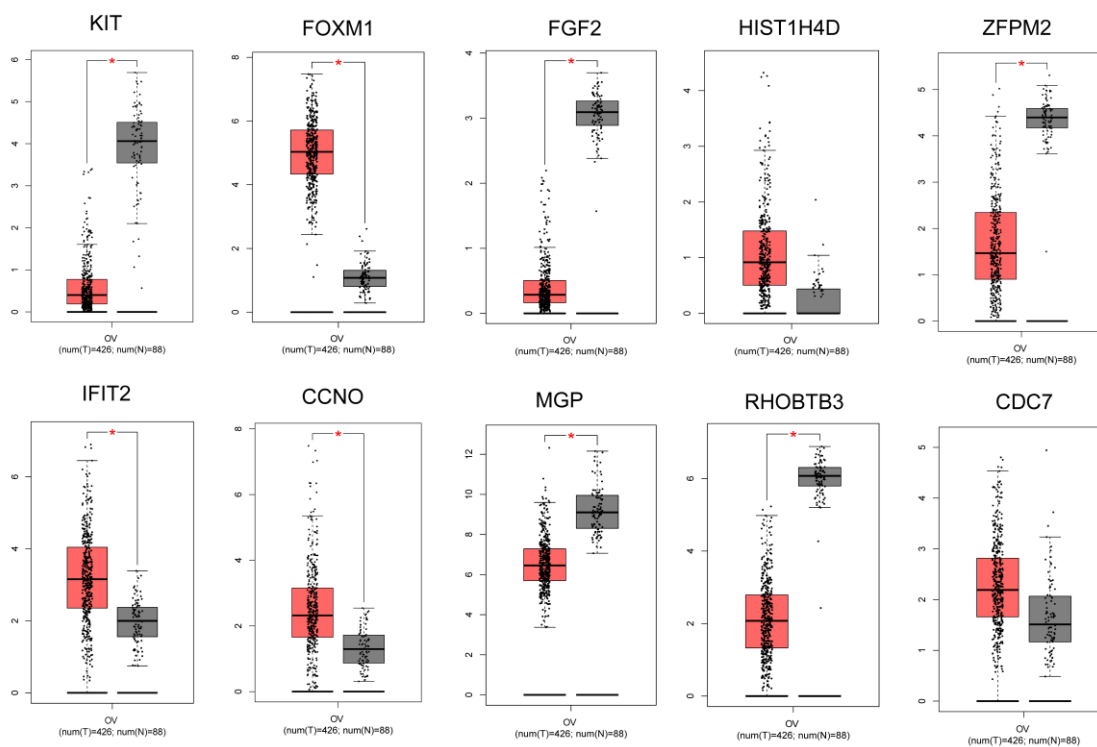


Figure S1