

gene_Name	Gene_ID	group_1	group_2	log2FoldChange	pvalue	padj
TEX261	ENSG00000144043	1131.03834	235.0041261	-1.8374	1.86E-22	2.58E-18
YAP1	ENSG00000137693	3917.143594	833.5815273	-1.8137	4.63E-22	3.21E-18
PDE1C	ENSG00000154678	224.3437331	42.78414769	-1.4682	3.21E-10	2.34E-07
ISCA2	ENSG00000165898	435.4686664	118.0462211	-1.4259	4.55E-12	6.54E-09
SLC39A6	ENSG00000141424	1720.309195	569.5637194	-1.3637	8.88E-16	2.05E-12
CPA4	ENSG00000128510	173.0864007	34.64665764	-1.247	2.01E-07	6.48E-05
TNFRSF12A	ENSG00000006327	7355.358645	2836.913323	-1.2187	1.58E-15	3.12E-12
SAE1	ENSG00000142230	2553.166548	972.6740833	-1.1853	4.72E-12	6.54E-09
KIAA0101	ENSG00000166803	333.469412	101.5179181	-1.1359	5.89E-07	0.00016005
DNPEP	ENSG00000123992	1077.00821	420.9856277	-1.1356	1.63E-10	1.51E-07
VGLL1	ENSG00000102243	227.7064004	71.54325239	-1.1284	5.29E-07	0.00014651
FAM89A	ENSG00000182118	234.2878968	81.25227629	-1.1142	1.89E-07	6.22E-05
FAM46B	ENSG00000158246	353.6579192	131.1785195	-1.0925	9.39E-08	3.52E-05
FAM96B	ENSG00000166595	1652.059927	647.2309298	-1.091	9.84E-09	4.55E-06
PRSS23	ENSG00000150687	5018.787304	2145.378333	-1.0683	3.73E-11	4.20E-08
CCNA2	ENSG00000145386	1045.212896	391.4368799	-1.0664	2.87E-07	8.46E-05
METTL9	ENSG00000197006	1328.580214	563.3696024	-1.0439	2.58E-09	1.43E-06
SLC35F2	ENSG00000110660	1941.620824	823.3901256	-1.0427	2.90E-09	1.55E-06
BICC1	ENSG00000122870	169.9989815	53.77206913	-1.0305	1.02E-05	0.0020193
RAB23	ENSG00000112210	379.5681507	153.8850023	-1.0263	1.84E-07	6.21E-05
YIPF6	ENSG00000181704	1697.503987	739.7609967	-1.0134	5.98E-09	2.98E-06
MARCHF4	ENSG00000144583	57.13318176	11.12491349	-0.98914	3.65E-05	0.0054727
SEPN1	ENSG00000162430	1916.83692	832.8534608	-0.98276	1.34E-07	4.75E-05
ICMT	ENSG00000116237	3151.98014	1402.2422	-0.97005	8.49E-08	3.27E-05
ULBP3	ENSG00000131019	106.1179367	37.83130184	-0.94113	4.98E-05	0.0068301
F2RL1	ENSG00000164251	513.990947	239.0373856	-0.92152	2.67E-07	8.23E-05
DTD2	ENSG00000129480	281.0664485	121.3148984	-0.9056	1.48E-05	0.0027362
DCK	ENSG00000156136	465.6687133	216.0932512	-0.90473	1.24E-06	0.00030772
ASNA1	ENSG00000198356	5224.625343	2481.801997	-0.90043	3.91E-07	0.00011069
PDCD1LG2	ENSG00000197646	162.1755175	60.07039352	-0.89789	0.00011475	0.012621
MRPL55	ENSG00000162910	495.880443	234.3097857	-0.88282	2.34E-06	0.00055947
PDCD7	ENSG00000090470	509.576352	244.7332583	-0.88194	9.12E-07	0.00023853
TMED2	ENSG00000086598	7515.226806	3689.869938	-0.88023	1.75E-07	6.05E-05
F3	ENSG00000117525	19032.65441	7949.924356	-0.87254	8.66E-05	0.0098419
ARSB	ENSG00000113273	244.1510045	107.7232622	-0.84739	9.38E-05	0.010479
E2F5	ENSG00000133740	365.3556824	175.62357	-0.84682	1.07E-05	0.0020909
ANKRD34A	ENSG00000181039	112.9806895	45.86163891	-0.83886	0.00026929	0.025386
RHOD	ENSG00000173156	4402.330964	2182.866702	-0.83874	3.90E-06	0.00083129
GJC1	ENSG00000182963	1102.055325	550.8328767	-0.83818	2.45E-06	0.00056518
S1PR1	ENSG00000170989	198.7642281	76.65725007	-0.83675	0.00037158	0.032184
DDAH1	ENSG00000153904	1167.635211	592.4272839	-0.83508	9.99E-07	0.00025643
KBTBD8	ENSG00000163376	417.2879815	177.6910143	-0.83249	0.00022258	0.021876
GTF3C6	ENSG00000155115	652.9937884	303.6582149	-0.83226	6.13E-05	0.0077921
PARP3	ENSG00000041880	242.3854818	115.680906	-0.83181	3.19E-05	0.0050238
CDH2	ENSG00000170558	204.5643715	86.98233813	-0.83144	0.00022826	0.022277
MRPS17	ENSG00000239789	192.0089813	89.7618385	-0.829	6.04E-05	0.0077921
ENY2	ENSG00000120533	768.6724767	387.8852808	-0.82867	2.75E-06	0.00061577
GLIPR1	ENSG00000139278	600.5427089	288.2328688	-0.82826	3.10E-05	0.0049456
TMEM64	ENSG00000180694	553.2722763	279.3617321	-0.82825	2.72E-06	0.00061577
GPR157	ENSG00000180758	774.2571235	375.2286386	-0.8241	2.88E-05	0.0046948
ASB13	ENSG00000196372	686.1704901	320.3110124	-0.82207	8.59E-05	0.0098344
EPS15L1	ENSG00000127527	1658.464852	864.8407722	-0.82028	3.20E-07	9.24E-05
CMTM4	ENSG00000183723	3016.482909	1576.59166	-0.81934	2.75E-07	8.28E-05
NACC2	ENSG00000148411	1872.581177	920.0589203	-0.81864	2.30E-05	0.0039277
TRNP1	ENSG00000253368	1488.72135	720.7557441	-0.81412	4.89E-05	0.0068301

LIPA	ENSG00000107798	2677.870961	1287.312656	-0.80871	7.55E-05	0.008947
LINC00984	ENSG00000259330	299.3083209	150.0197574	-0.80351	2.49E-05	0.0041683
NAPRT1	ENSG00000147813	1520.529358	796.0642946	-0.79729	2.91E-06	0.00063949
IL31RA	ENSG00000164509	95.58647679	39.8974685	-0.79046	0.00067721	0.049135
OSBP2	ENSG00000184792	917.3871031	467.9758323	-0.77913	4.90E-05	0.0068301
FOSL1	ENSG00000175592	8069.442905	4047.48599	-0.75258	0.00027835	0.026063
PMF1	ENSG00000160783	227.4960874	115.3536477	-0.74087	0.00035143	0.031219
KCTD12	ENSG00000178695	215.352653	106.6270033	-0.73489	0.00062591	0.046634
ACP2	ENSG00000134575	474.2539299	242.870681	-0.73166	0.00039438	0.032839
RNF185	ENSG00000138942	1049.683721	579.4732579	-0.73075	1.98E-05	0.0034325
ENDOD1	ENSG00000149218	984.9203538	525.8794679	-0.71726	0.00024699	0.023769
SPG21	ENSG00000090487	1557.616996	870.1418787	-0.71553	3.00E-05	0.0048407
AXL	ENSG00000167601	5713.204873	3223.432071	-0.71301	1.66E-05	0.0030291
CASC3	ENSG00000108349	2334.297233	1333.340898	-0.71156	5.35E-06	0.0011224
KIAA0040	ENSG00000235750	1086.235333	593.0553752	-0.70691	0.00019082	0.019302
SMPD4	ENSG00000136699	2348.782944	1323.383096	-0.70365	4.37E-05	0.0063113
RBMS2	ENSG00000076067	1688.498776	948.0139723	-0.70135	6.68E-05	0.0081259
DPAGT1	ENSG00000172269	920.2706279	520.455996	-0.69905	4.95E-05	0.0068301
SNX6	ENSG00000129515	2583.829497	1490.701009	-0.69707	9.84E-06	0.0019755
FBXO33	ENSG00000165355	661.8192412	367.7409573	-0.69525	0.00017587	0.018324
FLOT2	ENSG00000132589	2737.389891	1535.239185	-0.69367	0.00012228	0.013239
SLC46A3	ENSG00000139508	382.3168539	207.5432863	-0.6881	0.00056788	0.043738
IAH1	ENSG00000134330	709.3395028	396.9403645	-0.67567	0.00039323	0.032839
SPDL1	ENSG00000040275	1099.257056	616.8563758	-0.67384	0.00038135	0.032824
CTNNA1	ENSG00000044115	10941.61988	6449.398745	-0.67101	1.88E-05	0.0033787
MTX1	ENSG00000173171	586.2991084	325.413322	-0.67081	0.00065092	0.047981
SNTB2	ENSG00000168807	1194.78818	696.8260584	-0.66958	6.07E-05	0.0077921
CREG1	ENSG00000143162	1101.355984	621.0470484	-0.66808	0.00043113	0.034939
CCDC88C	ENSG00000015133	1590.519959	939.2110539	-0.66146	4.43E-05	0.0063258
AMOTL2	ENSG00000114019	5657.113863	3180.843311	-0.66127	0.00066618	0.048846
C1orf116	ENSG00000182795	3128.288253	1797.691104	-0.6596	0.00031669	0.028498
SUCLG2	ENSG00000172340	1351.894873	799.1100832	-0.65589	6.98E-05	0.008336
NDFIP2	ENSG00000102471	2169.005365	1270.091697	-0.65349	0.00017106	0.017959
RUNDC1	ENSG00000198863	1936.111927	1151.715018	-0.64918	7.65E-05	0.008979
FKBP1A	ENSG00000088832	15838.28854	9457.73526	-0.64693	6.78E-05	0.0081679
MAP3K14	ENSG0000006062	644.5633434	375.130774	-0.64532	0.00042235	0.034429
GINS1	ENSG00000101003	1071.965183	632.1736466	-0.64214	0.00025549	0.024418
TRAM2	ENSG00000065308	2765.251777	1666.650393	-0.63996	5.67E-05	0.007488
CHRNB1	ENSG00000170175	838.1870168	499.9891503	-0.63463	0.00022027	0.021876
MYL12A	ENSG00000101608	3638.301204	2132.950993	-0.63443	0.00056155	0.043719
NUAK1	ENSG00000074590	596.4370221	353.0224162	-0.63284	0.00039811	0.032839
AJUBA	ENSG00000129474	4234.997356	2515.261688	-0.63019	0.00038581	0.032839
PRMT5	ENSG00000100462	1431.150571	867.8865445	-0.62936	9.31E-05	0.010479
EPHA2	ENSG00000142627	11686.41105	6941.266886	-0.62523	0.00052714	0.041272
C19orf48	ENSG00000167747	1806.059772	1082.005849	-0.62407	0.00036006	0.03158
MID1	ENSG00000101871	1161.221646	714.9187618	-0.60549	0.00023836	0.023099
EIF4G1	ENSG00000114867	18942.34361	11713.56185	-0.60026	0.00026342	0.025003
IRX2	ENSG00000170561	2074.329889	1295.082575	-0.59532	0.00018191	0.018813
SLC22A5	ENSG00000197375	943.5340466	592.1251406	-0.57563	0.00067406	0.049135
EFCAB14	ENSG00000159658	2282.502277	1457.921177	-0.5659	0.00038934	0.032839
CALM2	ENSG00000143933	6624.485897	4247.984775	-0.56487	0.00029644	0.027027
HIPK3	ENSG00000110422	2857.231621	1850.425868	-0.54741	0.00063889	0.047346
NF2	ENSG00000186575	3184.371473	2073.55204	-0.54731	0.00038899	0.032839
LUZP1	ENSG00000169641	2485.64818	1615.243935	-0.54656	0.00051727	0.040729
MAP4K4	ENSG00000071054	5176.689484	7814.019942	0.52605	0.00061493	0.046567
VOPP1	ENSG00000154978	2970.93683	4680.207331	0.56716	0.00057768	0.044229

MRFAP1	ENSG00000179010	2749.515247	4318.909186	0.57206	0.00028828	0.026633
WNT9A	ENSG00000143816	2047.038838	3253.850919	0.58674	0.00020568	0.020654
HOXA9	ENSG00000078399	710.7042139	1149.623205	0.58842	0.00069008	0.049808
FOPNL	ENSG00000133393	966.1948845	1564.565071	0.59998	0.000304	0.027534
XDH	ENSG00000158125	3141.424372	5035.663839	0.60023	0.00011672	0.012736
HSDL2	ENSG00000119471	1102.940937	1804.556919	0.60308	0.000484	0.038548
NSF	ENSG00000073969	643.5108139	1053.66495	0.60652	0.00039625	0.032839
C9orf78	ENSG00000136819	665.7444886	1088.864606	0.60933	0.00029194	0.026792
CD164	ENSG00000135535	3264.388211	5312.982032	0.61272	0.00014438	0.015391
RP11-421F16	ENSG00000247903	248.5982877	419.4735156	0.62472	0.00060618	0.046156
FYB	ENSG00000082074	842.0624182	1410.127	0.62504	0.00040692	0.033368
PWWP2A	ENSG00000170234	319.1812678	534.4137615	0.62684	0.00035623	0.031444
HKR1	ENSG00000181666	267.0905663	460.1212549	0.63958	0.00062507	0.046634
GOLGA2	ENSG00000167110	2088.048233	3516.325203	0.65875	3.41E-05	0.0051881
GRHL1	ENSG00000134317	923.0223891	1567.661205	0.6605	6.43E-05	0.0080971
PDIK1L	ENSG00000175087	235.2182165	411.9388254	0.66255	0.00036335	0.031669
ZNF138	ENSG00000197008	203.8587993	362.4906076	0.66478	0.0005681	0.043738
SETD7	ENSG00000145391	1419.568948	2500.604733	0.68031	0.00015728	0.016638
MESDC2	ENSG00000117899	903.1676212	1570.604976	0.68694	3.92E-05	0.0057131
ANXA7	ENSG00000138279	1787.193782	3147.268023	0.6917	6.65E-05	0.0081259
PCNXL3	ENSG00000197136	1882.802221	3280.08964	0.69222	2.76E-05	0.0045512
PFKL	ENSG00000141959	1544.028505	2698.735471	0.69302	3.38E-05	0.0051881
HS2ST1	ENSG00000153936	699.9723567	1239.558229	0.69877	5.57E-05	0.0074212
MEX3D	ENSG00000181588	478.6502793	878.1928465	0.7081	0.0001878	0.019244
TMEM45B	ENSG00000151715	974.1644949	1793.196538	0.71542	0.00014292	0.015354
SERPINE2	ENSG00000135919	632.2919681	1200.935846	0.71902	0.00034238	0.030611
ABCA1	ENSG00000165029	1569.316451	2899.23041	0.73265	5.86E-05	0.0076546
NDUFS2	ENSG00000158864	1455.636428	2612.816894	0.73279	7.01E-06	0.0014293
FNBP1	ENSG00000187239	757.9271656	1391.872434	0.73573	3.36E-05	0.0051881
CHST14	ENSG00000169105	132.297708	257.6909876	0.73747	0.00028684	0.026633
ZNF845	ENSG00000213799	238.836275	493.7279773	0.74684	0.00062013	0.046634
ZNF761	ENSG00000160336	217.7525982	441.9645257	0.74696	0.00047717	0.038445
TOMM22	ENSG00000100216	660.2880964	1213.703957	0.74755	1.32E-05	0.0024781
SDC4	ENSG00000124145	8088.585283	14536.5261	0.74875	1.11E-06	0.00027844
CCDC71L	ENSG00000253276	599.5100111	1194.924835	0.76217	0.00018885	0.019244
LPCAT1	ENSG00000153395	5676.003294	10613.60209	0.76448	1.09E-05	0.0020909
ANXA4	ENSG00000196975	725.7208088	1403.565219	0.76458	6.53E-05	0.0081259
LMTK3	ENSG00000142235	158.4554472	306.8984742	0.76844	5.48E-05	0.0073793
DCP2	ENSG00000172795	714.749487	1382.916057	0.7749	3.73E-05	0.0054982
GXYLT1	ENSG00000151233	410.6488996	807.8181955	0.77994	5.43E-05	0.0073793
ZW10	ENSG00000086827	578.792248	1113.979993	0.79546	6.26E-06	0.001294
DHRS9	ENSG00000073737	66.290414	158.8444215	0.8036	0.00051588	0.040729
THBD	ENSG00000178726	166.7800091	348.8518753	0.80441	0.00010191	0.011298
S100A7	ENSG00000143556	13.18333837	69.81747195	0.80884	0.00048169	0.038548
CDK14	ENSG00000058091	173.3325405	347.0696116	0.81654	1.25E-05	0.002376
MKMK2	ENSG00000099875	4856.943416	9460.542765	0.83653	2.57E-07	8.08E-05
NOLC1	ENSG00000166197	2061.634734	4101.493688	0.8458	7.71E-07	0.00020534
TM4SF1	ENSG00000169908	1302.272775	2588.840621	0.86756	5.17E-08	2.05E-05
ATP8A1	ENSG00000124406	116.3852586	276.431067	0.87205	7.91E-05	0.0092172
HDAC1	ENSG00000116478	3194.430885	6415.516189	0.87221	1.00E-07	3.65E-05
ABCA12	ENSG00000144452	334.0402664	697.1369725	0.87355	2.02E-06	0.00049178
HEPHL1	ENSG00000181333	237.3499601	562.324383	0.87695	6.63E-05	0.0081259
CASP14	ENSG00000105141	112.5875935	328.1158897	0.88027	0.00022251	0.021876
HABP4	ENSG00000130956	178.8475531	404.5632498	0.88725	1.92E-05	0.0033816
LRG1	ENSG00000171236	159.4565921	417.2978057	0.93247	3.67E-05	0.0054727
SOD2	ENSG00000112096	3050.728192	6944.517054	0.93248	2.41E-06	0.00056518

PALM3	ENSG00000187867	28.94070856	97.31592187	0.9446	8.24E-05	0.00952
MUC1	ENSG00000185499	145.0088505	380.8205886	0.95475	1.93E-05	0.0033816
G3BP2	ENSG00000138757	3147.838492	6722.309588	0.96929	2.75E-10	2.12E-07
P2RY6	ENSG00000171631	106.7817667	305.1592693	0.9722	2.50E-05	0.0041683
CASP7	ENSG00000165806	626.4901087	1412.728383	0.99381	1.02E-08	4.55E-06
IFI16	ENSG00000163565	1430.071557	3299.801385	1.0088	1.57E-08	6.80E-06
STX12	ENSG00000117758	458.3081019	1036.941766	1.0107	1.90E-09	1.10E-06
RGS19	ENSG00000171700	278.763088	665.6289053	1.0316	2.21E-08	9.28E-06
PRDX4	ENSG00000123131	783.7292984	1942.279154	1.102	3.70E-10	2.56E-07
CCL20	ENSG00000115009	17.58475268	89.40872663	1.1204	3.40E-06	0.00073512
ZNF267	ENSG00000185947	308.6743434	959.7571502	1.1874	3.27E-08	1.33E-05
OGFR	ENSG00000060491	1694.086754	4708.921043	1.1951	2.51E-10	2.05E-07
C1S	ENSG00000182326	62.40647997	218.7609166	1.2693	7.38E-09	3.53E-06
ZNF616	ENSG00000204611	102.3344915	337.3804821	1.3172	1.05E-10	1.04E-07
PTGS2	ENSG00000073756	228.7270824	937.94387	1.3306	6.03E-09	2.98E-06
GANAB	ENSG00000089597	4540.059957	14252.18485	1.3584	1.49E-13	2.57E-10
HPGD	ENSG00000164120	21.44976765	125.3352346	1.4619	6.99E-10	4.21E-07
CSF3	ENSG00000108342	6.159343102	70.11864609	1.4879	6.56E-10	4.13E-07
SERPINB3	ENSG00000057149	14.87395059	123.8406172	1.5023	4.51E-10	2.98E-07
TPM4	ENSG00000167460	4685.919224	16182.57284	1.5191	1.17E-18	3.23E-15
S100A8	ENSG00000143546	41.62701274	294.1322487	1.5278	1.74E-10	1.51E-07
MMP1	ENSG00000196611	39.05823112	218.5109818	1.538	3.94E-11	4.20E-08
SERPINB4	ENSG00000206073	23.90762694	238.547684	1.6325	1.23E-11	1.56E-08
S100A9	ENSG00000163220	279.4548398	1433.911974	1.8068	6.23E-19	2.88E-15
CYP1B1	ENSG00000138061	55.79004826	380.3175352	1.9349	1.12E-18	3.23E-15