

Supplementary Table 2 - JDM on-treatment vs age-matched healthy control significantly DEG (p≤0.05)

Ensemble ID	hgnc_symbol	log fold change	Adjusted p value
ENSG00000180096		-2.052255975	2.09E-19
ENSG00000198821	CD247	-3.6853539	1.16E-18
ENSG00000167286	CD3D	-3.551669908	1.66E-16
ENSG00000172575	RASGRP1	-3.070795975	3.11E-15
ENSG00000211751	TRBC1	-3.419045734	2.20E-12
ENSG00000198286	CARD11	-2.796358277	5.84E-12
ENSG00000167984	NLRC3	-2.222497714	5.84E-12
ENSG00000146674	IGFBP3	-7.778707429	2.51E-11
ENSG00000211772	TRBC2	-2.989690802	2.61E-11
ENSG00000116824	CD2	-2.03086348	4.60E-11
ENSG00000160185	UBASH3A	-3.418915682	1.15E-10
ENSG00000135127	BICDL1	-2.590545427	1.25E-10
ENSG00000141293	SKAP1	-3.21275476	1.41E-10
ENSG00000107742	SPOCK2	-2.784990372	1.97E-10
ENSG00000211829	TRDC	-4.848737373	2.72E-10
ENSG00000100385	IL2RB	-4.05203449	3.01E-10
ENSG00000088387	DOCK9	-2.478453034	4.58E-10
ENSG00000107485	GATA3	-3.652286077	4.99E-10
ENSG00000111796	KLRB1	-4.239620129	4.99E-10
ENSG00000198851	CD3E	-3.527372282	1.25E-09
ENSG00000277734	TRAC	-3.315118258	1.58E-09
ENSG00000115085	ZAP70	-2.976472679	1.67E-09
ENSG00000245164	LINC00861	-3.746240843	1.67E-09
ENSG00000134954	ETS1	-1.916657616	2.44E-09
ENSG00000172005	MAL	-3.406085971	2.85E-09
ENSG00000159753	CARMIL2	-1.985304372	4.46E-09
ENSG00000139193	CD27	-3.232615925	4.63E-09
ENSG00000280135		-3.4001965	6.13E-09
ENSG00000185101	ANO9	-2.653857897	6.33E-09
ENSG00000227507	LTB	-1.880852284	2.48E-08
ENSG00000142173	COL6A2	-3.544316837	2.79E-08
ENSG00000145649	GZMA	-4.803964357	3.00E-08
ENSG00000165929	TC2N	-3.376202958	5.06E-08
ENSG00000067840	PDZD4	-3.586877431	5.94E-08
ENSG00000182866	LCK	-2.590769579	7.96E-08
ENSG00000100453	GZMB	-4.723558647	8.69E-08
ENSG00000152495	CAMK4	-2.462194431	8.92E-08
ENSG00000174917	C19orf70	-0.986150564	1.05E-07
ENSG00000101096	NFATC2	-1.775717851	1.24E-07
ENSG00000215788	TNFRSF25	-1.983277632	1.24E-07
ENSG00000100346	CACNA1I	-3.960522984	1.34E-07
ENSG00000110448	CD5	-2.699677477	1.67E-07
ENSG00000180644	PRF1	-3.978196809	1.67E-07
ENSG00000160856	FCRL3	-3.505239678	1.90E-07

ENSG00000112514	CUTA	-0.741980867	2.48E-07
ENSG00000274383		-1.929741987	2.48E-07
ENSG00000197635	DPP4	-3.321883831	4.53E-07
ENSG00000237702	TRBV3-1	-5.008641945	4.55E-07
ENSG00000181847	TIGIT	-4.389997803	4.99E-07
ENSG00000172428	COPS9	-0.788434886	5.05E-07
ENSG00000102245	CD40LG	-4.62875827	7.18E-07
ENSG00000175265	GOLGA8A	-1.927842692	7.18E-07
ENSG00000069667	RORA	-2.806765832	7.95E-07
ENSG00000130787	HIP1R	-2.317642191	9.45E-07
ENSG00000149527	PLCH2	-3.00759078	9.82E-07
ENSG00000127152	BCL11B	-3.159044333	9.85E-07
ENSG00000163600	ICOS	-3.065807292	1.89E-06
ENSG00000008517	IL32	-2.825328248	1.89E-06
ENSG00000013725	CD6	-2.598998759	1.89E-06
ENSG00000113263	ITK	-2.142174449	1.94E-06
ENSG00000089012	SIRPG	-2.841535191	1.95E-06
ENSG00000233355	CHRM3-AS2	-2.892835397	2.20E-06
ENSG00000157778	PSMG3	-0.925377317	2.32E-06
ENSG00000162894	FCMR	-2.313777415	2.39E-06
ENSG00000065675	PRKCQ	-2.086724153	2.49E-06
ENSG00000242485	MRPL20	-0.672956033	2.76E-06
ENSG00000163519	TRAT1	-2.572266006	2.93E-06
ENSG00000138795	LEF1	-2.744313922	3.13E-06
ENSG00000021300	PLEKHB1	-2.755212735	3.52E-06
ENSG00000172590	MRPL52	-1.039478499	3.75E-06
ENSG00000204922	UQCC3	-1.252279855	3.79E-06
ENSG00000168685	IL7R	-3.06562649	4.07E-06
ENSG00000115607	IL18RAP	-3.868129846	4.20E-06
ENSG00000163359	COL6A3	-3.042481553	5.16E-06
ENSG00000123545	NDUF4F4	-1.230931388	5.34E-06
ENSG00000188186	LAMTOR4	-0.896653885	5.75E-06
ENSG00000111371	SLC38A1	-1.333852375	6.23E-06
ENSG00000211747	TRBV20-1	-4.29557068	6.29E-06
ENSG00000147123	NDUFB11	-0.782339867	7.83E-06
ENSG00000108821	COL1A1	-5.839627398	1.19E-05
ENSG00000130332	LSM7	-0.840516981	1.19E-05
ENSG00000168813	ZNF507	-1.397131392	1.46E-05
ENSG00000027869	SH2D2A	-2.822038779	1.60E-05
ENSG00000099204	ABLIM1	-2.152294171	1.64E-05
ENSG00000073861	TBX21	-3.297294039	1.64E-05
ENSG00000100351	GRAP2	-2.003475841	1.78E-05
ENSG00000197540	GZMM	-2.01951176	1.84E-05
ENSG00000183648	NDUFB1	-0.807264541	2.03E-05
ENSG00000184260	HIST2H2AC	-1.373431101	2.65E-05
ENSG00000090266	NDUFB2	-0.824472141	2.75E-05
ENSG00000135426	TESPA1	-1.629451726	3.04E-05
ENSG00000116106	EPHA4	-3.313173692	3.48E-05

ENSG00000167515	TRAPPC2L	-0.735897306	3.59E-05
ENSG00000145494	NDUFS6	-1.015043482	3.67E-05
ENSG00000269911		-4.606404955	3.99E-05
ENSG00000162910	MRPL55	-0.83495544	4.65E-05
ENSG00000198780	FAM169A	-3.221200275	4.91E-05
ENSG00000100393	EP300	0.906548266	4.97E-05
ENSG00000149932	TMEM219	-0.585507926	5.00E-05
ENSG00000106624	AEBP1	-2.687495998	5.28E-05
ENSG00000280120		-1.334309218	5.39E-05
ENSG00000183918	SH2D1A	-3.218760784	5.93E-05
ENSG00000099624	ATP5D	-0.885647999	6.05E-05
ENSG00000185697	MYBL1	-2.184309898	6.07E-05
ENSG00000135972	MRPS9	-0.835375097	6.25E-05
ENSG00000237943	PRKCQ-AS1	-1.934661782	6.37E-05
ENSG00000188322	SBK1	-2.122566913	6.37E-05
ENSG00000081059	TCF7	-2.481024953	6.65E-05
ENSG00000106211	HSPB1	-1.187404627	6.97E-05
ENSG00000124203	ZNF831	-2.320006272	6.97E-05
ENSG00000172673	THEMIS	-2.063839691	7.28E-05
ENSG00000130635	COL5A1	-3.973796372	7.31E-05
ENSG00000007520	TSR3	-0.855987865	7.80E-05
ENSG00000174500	GCSAM	-4.046367946	7.97E-05
ENSG00000105369	CD79A	-2.076747185	8.79E-05
ENSG00000211655	IGLV1-36	-4.72487216	9.00E-05
ENSG00000137078	SIT1	-3.347098458	9.59E-05
ENSG00000131116	ZNF428	-0.760473447	9.82E-05
ENSG00000124181	PLCG1	-1.526371087	9.97E-05
ENSG00000214253	FIS1	-0.645207704	0.000104149
ENSG00000105379	ETFB	-0.859182741	0.000106419
ENSG00000076554	TPD52	-1.97094825	0.000121484
ENSG00000156110	ADK	-1.196227224	0.00012391
ENSG00000137288	UQCC2	-1.251893378	0.000125616
ENSG00000107223	EDF1	-0.632596227	0.000131092
ENSG00000110717	NDUFS8	-0.678684054	0.000140299
ENSG00000157570	TSPAN18	-3.716968277	0.000140877
ENSG00000146285	SCML4	-2.029414028	0.000144535
ENSG00000269293	ZSCAN16-AS1	-0.887401584	0.000145942
ENSG00000175854	SWI5	-0.98164604	0.000150055
ENSG00000211648	IGLV1-47	-4.162451755	0.000151866
ENSG00000154764	WNT7A	-4.452672944	0.000157734
ENSG00000135736	CCDC102A	-3.706893682	0.000177087
ENSG00000270189		-1.50166595	0.000185057
ENSG00000186265	BTLA	-2.860145709	0.000191827
ENSG00000173208	ABCD2	-2.674134864	0.000203269
ENSG00000124198	ARFGEF2	0.762532979	0.000206119
ENSG00000108961	RANGRF	-0.715893364	0.000220644
ENSG00000132704	FCRL2	-2.358634214	0.0002207
ENSG00000102030	NAA10	-0.808561228	0.0002207

ENSG00000103266	STUB1	-0.614031322	0.00022242
ENSG00000149541	B3GAT3	-0.715026991	0.000231571
ENSG00000189171	S100A13	-1.276796156	0.000232557
ENSG00000182004	SNRPE	-0.702748144	0.000241368
ENSG00000105851	PIK3CG	1.072334784	0.000256536
ENSG00000124172	ATP5E	-0.530371079	0.000256883
ENSG00000100075	SLC25A1	-0.814500073	0.000269424
ENSG00000142168	SOD1	-0.569101957	0.000277946
ENSG00000220205	VAMP2	-0.674680527	0.000278827
ENSG00000112182	BACH2	-1.875630295	0.000283723
ENSG00000268205		-0.897853759	0.000283723
ENSG00000241837	ATP5O	-0.627082799	0.000287438
ENSG00000112651	MRPL2	-0.754335639	0.000291318
ENSG00000278030	TRBV7-9	-4.257279795	0.000302609
ENSG00000143322	ABL2	0.930760122	0.00030897
ENSG00000170486	KRT72	-3.312303799	0.000310573
ENSG00000170291	ELP5	-0.585991686	0.000310573
ENSG00000127184	COX7C	-0.548030399	0.00031646
ENSG00000106355	LSM5	-0.69826303	0.000323502
ENSG00000137441	FGFBP2	-3.96553518	0.000341439
ENSG00000235162	C12orf75	-2.376290004	0.000341439
ENSG00000178982	EIF3K	-0.556702503	0.000346212
ENSG00000213626	LBH	-1.73764558	0.00035002
ENSG00000169397	RNASE3	-2.905581045	0.000353281
ENSG00000109390	NDUFC1	-0.778152395	0.000357875
ENSG00000280237	MIR4697HG	-3.6930875	0.000370798
ENSG00000165272	AQP3	-2.503749656	0.000388947
ENSG00000272034	SNORD14A	-1.246736407	0.000396447
ENSG00000161405	IKZF3	-1.248053926	0.000396447
ENSG00000130313	PGLS	-0.676717342	0.000409576
ENSG00000204392	LSM2	-1.002115829	0.000416218
ENSG00000143793	C1orf35	-0.872094409	0.000420175
ENSG00000106400	ZNHIT1	-0.695513813	0.000424608
ENSG00000176476	SGF29	-0.685619041	0.000424608
ENSG00000170906	NDUFA3	-0.663695681	0.000426697
ENSG00000153283	CD96	-2.727977245	0.000428379
ENSG00000123066	MED13L	0.969391831	0.000429434
ENSG00000254521	SIGLEC12	-3.383033923	0.000459732
ENSG00000243449	C4orf48	-1.427472708	0.000475129
ENSG00000167792	NDUFV1	-0.572069152	0.000498831
ENSG00000130748	TMEM160	-1.336986115	0.000500391
ENSG00000100450	GZMH	-4.033767324	0.00050574
ENSG00000135940	COX5B	-0.631352572	0.000505886
ENSG00000100372	SLC25A17	-0.872895189	0.000505886
ENSG00000228903	RASA4CP	-1.021244905	0.000523693
ENSG00000115523	GNLY	-3.381977425	0.00053024
ENSG00000145912	NHP2	-0.73974099	0.000533554
ENSG00000178922	HYI	-1.471570573	0.000585641

ENSG00000196456	ZNF775	-1.261727966	0.000600014
ENSG00000166136	NDUFB8	-0.630795623	0.000601971
ENSG00000173915	USMG5	-0.713718359	0.000602892
ENSG00000255198	SNHG9	-0.998551623	0.000612206
ENSG00000235621	LINC00494	-4.271244394	0.000612206
ENSG00000130731	METTL26	-0.900618751	0.00061549
ENSG00000125901	MRPS26	-0.941146865	0.000620267
ENSG00000130770	ATPIF1	-0.685815934	0.000630569
ENSG00000113088	GZMK	-3.38635086	0.000630569
ENSG00000211789	TRAV12-2	-3.568982501	0.000630569
ENSG00000135919	SERPINE2	-2.691219945	0.000660959
ENSG00000124782	RREB1	0.647120023	0.000660959
ENSG00000156411	C14orf2	-0.597727634	0.000660959
ENSG00000128185	DGCR6L	-0.863877878	0.000660959
ENSG00000050165	DKK3	-4.787872624	0.000663704
ENSG00000224877	NDUFAF8	-1.104881901	0.000701391
ENSG00000105258	POLR2I	-0.891264653	0.000707797
ENSG00000169976	SF3B5	-0.580444487	0.000721086
ENSG00000109686	SH3D19	-3.202135976	0.00072893
ENSG00000196498	NCOR2	0.790243881	0.000776069
ENSG00000173141	MRPL57	-0.769830645	0.000776121
ENSG00000034053	APBA2	-1.941769966	0.000803438
ENSG00000115685	PPP1R7	-0.618937955	0.000871845
ENSG00000136573	BLK	-2.535242251	0.000875463
ENSG00000174080	CTSF	-1.358855208	0.00092528
ENSG00000100027	YPEL1	-1.531721793	0.000929974
ENSG00000161381	PLXDC1	-1.758478027	0.000940066
ENSG00000129559	NEDD8	-0.618396927	0.000944673
ENSG00000204228	HSD17B8	-1.326715677	0.000949783
ENSG00000153207	AHCTF1	1.46492768	0.000964021
ENSG00000101082	SLA2	-1.510618291	0.000979842
ENSG00000120733	KDM3B	0.617003549	0.000986782
ENSG00000148362	C9orf142	-0.805896401	0.000986782
ENSG00000168646	AXIN2	-3.805669646	0.00101752
ENSG00000008083	JARID2	1.484396023	0.001018111
ENSG00000198258	UBL5	-0.518241849	0.001019919
ENSG00000158552	ZFAND2B	-0.530277112	0.001025477
ENSG00000140332	TLE3	1.13848898	0.001059245
ENSG00000232442		-1.292940585	0.001062457
ENSG00000178980	SELENOW	-0.592817766	0.001066345
ENSG00000188243	COMMD6	-0.529169941	0.001085746
ENSG00000163430	FSTL1	-3.126233143	0.001086546
ENSG00000205138	SDHAF1	-1.096661584	0.001088015
ENSG00000168002	POLR2G	-0.532471779	0.001096663
ENSG00000210151	MT-TS1	-2.200485555	0.00110886
ENSG00000170430	MGMT	-1.03459222	0.001126459
ENSG00000276136		-1.500710793	0.001137814
ENSG00000143515	ATP8B2	-1.300025565	0.001159268

ENSG00000067900	ROCK1	0.740341417	0.001159268
ENSG00000082458	DLG3	-2.943436749	0.001179363
ENSG00000087191	PSMC5	-0.552768277	0.001179363
ENSG00000173436	MINOS1	-0.646132624	0.001198012
ENSG00000106089	STX1A	4.590319195	0.001202837
ENSG00000259865		-0.875600656	0.001235819
ENSG00000099977	DDT	-0.821115861	0.001235819
ENSG00000250251	PKD1P6	1.093497086	0.001241575
ENSG00000178498	DTX3	-1.539877493	0.00125692
ENSG00000055609	KMT2C	0.798575161	0.00129472
ENSG00000136908	DPM2	-0.80553397	0.00129472
ENSG00000232869	TRBV29-1	-2.85196455	0.001310797
ENSG00000107872	FBXL15	-0.924591084	0.001321719
ENSG00000163534	FCRL1	-2.423717463	0.001386628
ENSG00000142546	NOSIP	-0.941657275	0.001420714
ENSG00000164692	COL1A2	-4.352695936	0.001435805
ENSG00000211896	IGHG1	-3.283908874	0.001435805
ENSG00000211797	TRAV17	-4.051771056	0.00146041
ENSG00000174946	GPR171	-3.131352456	0.001476075
ENSG00000106399	RPA3	-0.813822282	0.001476075
ENSG00000174886	NDUFA11	-0.941108386	0.001531853
ENSG00000148290	SURF1	-0.558868668	0.00153948
ENSG00000121671	CRY2	1.223840349	0.001581574
ENSG00000134809	TIMM10	-0.936517161	0.001586879
ENSG00000196655	TRAPPC4	-0.753344316	0.001586879
ENSG00000085231	AK6	-0.933091766	0.001587935
ENSG00000065526	SPEN	0.708670026	0.00162693
ENSG00000124151	NCOA3	0.657226203	0.001668737
ENSG00000196705	ZNF431	-0.693030839	0.001692454
ENSG00000105518	TMEM205	-0.736130692	0.001743982
ENSG00000130856	ZNF236	0.65320043	0.001744548
ENSG00000090273	NUDC	-0.61733871	0.001745767
ENSG00000140990	NDUFB10	-0.738105046	0.001755565
ENSG00000229809	ZNF688	-0.692887812	0.001793471
ENSG00000134545	KLRC1	-4.079430013	0.00179426
ENSG00000211750	TRBV24-1	-4.04677386	0.001844893
ENSG00000072364	AFF4	0.882034479	0.001890326
ENSG00000148291	SURF2	-0.711917554	0.001890326
ENSG00000187630	DHRS4L2	-0.951131089	0.001890326
ENSG00000164919	COX6C	-0.594725036	0.001996994
ENSG00000206828		-1.402511589	0.002073839
ENSG00000211899	IGHM	-2.516390861	0.00210415
ENSG00000132326	PER2	1.617704987	0.00211366
ENSG00000070961	ATP2B1	1.97538625	0.00211366
ENSG00000272579		-1.23634543	0.00214336
ENSG00000091972	CD200	-3.208271292	0.002217994
ENSG00000180992	MRPL14	-0.792139988	0.002217994
ENSG00000167799	NUDT8	-1.689812174	0.002217994

ENSG00000258199		-0.756805886	0.002217994
ENSG00000259959		-1.177368418	0.002219683
ENSG00000247774	PCED1B-AS1	-0.935354286	0.002219683
ENSG00000211898	IGHD	-2.516143722	0.002219683
ENSG00000095906	NUBP2	-0.704321541	0.002219683
ENSG00000105404	RABAC1	-0.71092015	0.002219683
ENSG00000238142		-1.232822857	0.002230551
ENSG00000213139	CRYGS	-1.076148013	0.002230551
ENSG00000211677	IGLC2	-3.176288711	0.002230551
ENSG00000164442	CITED2	1.009950175	0.002238492
ENSG00000151131	C12orf45	-0.74306226	0.002238492
ENSG00000164008	C1orf50	-0.804396737	0.002246465
ENSG00000211592	IGKC	-2.783545648	0.002246465
ENSG00000135960	EDAR	-2.855390559	0.002246465
ENSG00000066379	ZNRD1	-0.806445845	0.002246465
ENSG00000273466		-1.09284548	0.002253779
ENSG00000111674	ENO2	-1.749155517	0.002326211
ENSG00000169155	ZBTB43	1.527093901	0.002378582
ENSG00000156873	PHKG2	-0.532089104	0.002385462
ENSG00000125743	SNRPD2	-0.489067056	0.002385462
ENSG00000235499		1.888817223	0.002385723
ENSG00000160654	CD3G	-1.342797889	0.002385723
ENSG00000180089	TMEM86B	-0.911842024	0.002385723
ENSG00000180530	NRIP1	1.215876229	0.002385723
ENSG00000107833	NPM3	-0.969928202	0.002409829
ENSG00000241351	IGKV3-11	-3.615749194	0.002422507
ENSG00000160124	CCDC58	-0.92968934	0.002471394
ENSG00000128951	DUT	-0.889271259	0.002508397
ENSG00000185920	PTCH1	-2.127072769	0.002536447
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ENSG00000205352	PRR13	-0.499615457	0.002659719
ENSG00000168061	SAC3D1	-1.605755115	0.0026856
ENSG00000213904	LIPE-AS1	-1.074855614	0.0026856
ENSG00000186501	TMEM222	-0.571760714	0.00270021
ENSG00000175602	CCDC85B	-0.840267144	0.00270021
ENSG00000141759	TXNL4A	-0.511850743	0.00270021
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ENSG00000227191	TRGC2	-2.280472747	0.002701707
ENSG00000237886	NALT1	-1.317446891	0.002707822
ENSG00000166912	MTMR10	0.619269305	0.002728082
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ENSG00000002822	MAD1L1	-0.941831532	0.002863033
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ENSG00000235245		1.18866358	0.002909427
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ENSG00000124201	ZNFX1	0.892768364	0.003031446
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ENSG00000173113	TRMT112	-0.572052472	0.003059826
ENSG00000115317	HTRA2	-0.68723354	0.003090521
ENSG00000118900	UBN1	0.503806277	0.003092371
ENSG00000143543	JTB	-0.474491257	0.003142449
ENSG00000164405	UQCRQ	-0.61097571	0.003180774
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ENSG00000186049	KRT73	-3.206404934	0.00331186
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ENSG00000262814	MRPL12	-1.209334265	0.003350118
ENSG00000042753	AP2S1	-0.746866157	0.003350118
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ENSG00000156030	ELMSAN1	0.844193989	0.003618581
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ENSG00000090238	YPEL3	-0.733561139	0.004298452
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ENSG00000175756	AURKAIP1	-0.569076116	0.004632373
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ENSG00000176903	PNMA1	1.067291673	0.004679466
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ENSG00000117322	CR2	-2.058452531	0.004697359
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ENSG00000069956	MAPK6	1.602058488	0.004974083
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ENSG00000130590	SAMD10	-1.307193	0.005261554
ENSG00000034713	GABARAPL2	-0.561366346	0.005265767
ENSG00000144214	LYG1	-1.120042901	0.00529096
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ENSG00000185761	ADAMTSL5	-2.661834133	0.006259272
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ENSG00000117298	ECE1	0.684569348	0.007499987
ENSG00000167548	KMT2D	0.73715763	0.007499987
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ENSG00000158373	HIST1H2BD	-1.387658487	0.007774524
ENSG00000085998	POMGNT1	-0.647726487	0.007945138
ENSG00000127720	METTTL25	-0.741156437	0.00798012
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ENSG00000204475	NCR3	-2.116045347	0.00838112
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ENSG00000211803	TRAV23DV6	-3.081398705	0.010127251
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ENSG00000131873	CHSY1	1.018118022	0.010127251
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ENSG00000139428	MMAB	-0.661591617	0.010151954
ENSG00000092148	HECTD1	0.466240494	0.010151954
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ENSG00000105552	BCAT2	-0.74845306	0.010177324
ENSG00000132185	FCRLA	-2.305145584	0.010194588
ENSG00000008018	PSMB1	-0.416022639	0.010304931
ENSG00000211793	TRAV9-2	-3.517548871	0.010432614
ENSG00000198900	TOP1	0.836552447	0.010465627
ENSG00000160218	TRAPPC10	0.637481657	0.010513856
ENSG00000100258	LMF2	-0.443550151	0.010547929
ENSG00000160075	SSU72	-0.348001585	0.010582203
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ENSG00000157933	SKI	0.935934355	0.010665116
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ENSG00000278784		-0.768907227	0.01102224
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ENSG00000271869		-1.023913028	0.011145692
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ENSG00000184281	TSSC4	-0.488502198	0.011209778
ENSG00000134709	HOOK1	-2.47967242	0.011225555
ENSG00000119431	HDHD3	-0.979936133	0.011238674
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ENSG00000164151	ICE1	0.511579922	0.011258843
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ENSG00000221957	KIR2DS4	-2.836379083	0.048630853
ENSG00000171604	CXXC5	1.237317544	0.048660088
ENSG00000196405	EVL	-0.561072486	0.04878382
ENSG00000105372	RPS19	-0.450332596	0.04878382
ENSG00000170310	STX8	-0.562564209	0.048815188
ENSG00000138434	SSFA2	0.528129852	0.0488323
ENSG00000275210		1.076490581	0.049225823

ENSG00000123636	BAZ2B	0.560267986	0.04934826
ENSG00000111237	VPS29	-0.430740893	0.04934826
ENSG00000165795	NDRG2	-0.658068382	0.049404882
ENSG00000175334	BANF1	-0.649785154	0.049445404
ENSG00000055483	USP36	1.123912858	0.049483958
ENSG00000088826	SMOX	2.190063302	0.049483958
ENSG00000116213	WRAP73	-0.433489267	0.04952632
ENSG00000121743	GJA3	4.694189654	0.049555674
ENSG00000232164		1.005172495	0.04964665
ENSG00000166260	COX11	-0.576599855	0.049649613
ENSG00000161671	EMC10	-0.255675902	0.049649613
ENSG00000151612	ZNF827	-1.351829445	0.049771673
ENSG00000096080	MRPS18A	-0.526340363	0.049801233
ENSG00000143924	EML4	0.660037635	0.049852282