

Supplementary File 1: Differentially Expressed Genetic Integrity Genes in Human and Mouse Pluripotent Cells

Consensus Differentially Expressed DNA Repair Genes in Mouse ESCs Compared to MEFs (expressed as fold change*)											
Entrez ID	Gene Name	Chen	Feng	Okita	Heng	Ichida	Kang	Sridharan	Takahashi	Zhao	Average
11545	PARP1	6.644318	2.76725	6.385985	3.528445	21.07669	3.239176	7.0947328	7.2648997	8.70015	7.411295
11546	PARP2	3.761094	1.74465	3.093536	2.928483	3.02328	2.059893	2.7087886	3.281101	3.16951	2.863371
11792	APEX1	2.592062		1.577108		2.893174	1.668313	1.8645976	1.5704644	3.58703	2.250392
12021	BARD1	2.150502	2.21114	10.94352			2.291438	3.9085722	8.251224	3.72143	4.782546
12144	BLM	7.536552	2.93134	9.120061	5.379214	9.748854	2.658829	4.9467936	8.555911	6.30734	6.353877
12189	BRCA1	12.9718		7.863136	2.079407		2.735525	6.891798	9.31533	11.9418	7.685542
12190	BRCA2	6.512357	2.58925	8.762372	4.22116	12.07109	4.467	6.439889	9.24733	5.82515	6.681733
12649	CHEK1	6.447892	1.59292	4.033932		28.32887	2.209134	4.2917757	3.6932392	5.70345	7.037652
13870	ERCC1	-2.07324			-2.32445	-1.95872	-1.66744		-1.6346773		-1.93171
14051	EYA4	-31.1881	-1.97384	-2.13971		-4.7015		-10.388713		-38.177	-14.7615
14156	FEN1	4.08608	2.22945		1.841734	5.644335	1.669587	1.6248611		5.37126	3.209614
14375	XRCC6	2.438454	1.84844	3.157118	1.992008	9.682896	1.854666	3.0461802	2.9583027	3.03082	3.334321
14885	GTF2H4	2.399477	2.24699		2.465716	5.800441		2.4369218		3.39792	3.124578
15270	H2AFX	4.4329		2.994932	2.141497	5.235221			2.704338	4.26347	3.628726
15574	HUS1	6.45259	1.94336	6.803197	2.469459	4.124488	1.943293		6.6384344	4.58696	4.370223
16881	LIG1	5.682159	2.26513	3.893738	4.294196	5.462204	2.285954	4.200655	3.8814917	7.07456	4.337786
16882	LIG3	2.086826		2.495206		3.04041		2.0825255	3.0856116	1.65277	2.407225
17193	MBD4	4.295425	1.63648	7.062719	1.954588	22.04437	2.048963		6.941113	3.198	6.147708
17350	MLH1	2.63615		1.748287	1.884543	5.699896	2.032084		1.6930192	2.47043	2.594915
17535	MRE11A	3.16452	1.56385	3.236515	2.550295	7.440261			3.471636	2.4537	3.411539
17685	MSH2	5.348609	3.44663	5.255626	2.842074	16.60121	5.515044	11.080691	4.7731085	15.481	7.815994
17688	MSH6	6.189639	6.22574	6.167079	6.783223	6.49413	5.845392	14.718712	6.5150657	17.678	8.512995
17766	NUDT1	2.135203	3.07017	2.337665	3.639156	3.256225	1.684485	4.430406	2.2015314	4.70995	3.051643
18207	NTHL1			2.826768	1.523468	3.16485		2.5131917	2.6672099	2.54366	2.539858
18538	PCNA	3.483343		1.991712	2.606384	2.541477	1.780909		2.0342023	3.63902	2.582436
18861	PMS2	1.866732	1.79662	2.363666	2.160476	3.962545			2.9171643	2.23153	2.471247
18950	PNP		3.56467		1.795281	3.214475	2.011951		1.5456456	2.29116	2.403864

18968	POLA1	7.626046		2.47684			2.130165	4.46782	2.6828725	4.86047	4.040702
18971	POLD1	3.299339	3.08222	2.633179	4.327083	4.084609	1.633343	4.0660534	2.646339	5.91183	3.520444
18972	POLD2	4.786374	2.26832	5.515908	2.697092	8.136546	1.519447		5.434823	3.66368	4.252774
18973	POLE	4.777185	1.92015	2.634992	1.90627	4.588779	1.877427	4.330527	2.8968527	5.26221	3.354932
18974	POLE2	6.814856		3.097693			1.76489		3.3502493	4.79144	3.963826
19090	PRKDC			2.541477	1.548503		2.229127		2.2069933	3.01604	2.308427
19355	RAD1	4.392586	2.4022	2.716117	2.298918	4.220646	2.008291	3.3221252	2.293813	4.17248	3.091909
19356	RAD17	2.459025		1.935085	1.601906	2.932751	1.937203	1.8130281	1.7976733	1.51283	1.998688
19360	RAD50	2.705217		3.891501	1.924362	1.847071	1.530893		4.256858	1.80132	2.565317
19361	RAD51	5.414831	3.04591	3.09093	4.167789	9.914939	2.081019		2.381464	9.21716	4.914256
19362	RAD51AP1	5.676599	1.51067	3.258589	3.651781	7.502504	1.562926		2.8096545	4.62023	3.824119
19363	RAD51L1	3.596281		3.120436	2.358826		2.599114		2.6879132		2.872514
19366	RAD54L	15.18086	3.0556	6.904512	3.838864	21.54956	2.596971	5.537095	8.599301	7.01346	8.252914
19687	RFC1	2.955475	1.55878	2.418103	2.819975	3.318586	1.69953	2.5785475	2.2268407	2.71823	2.477118
19704	UPF1		1.62705	1.829823	1.593694				1.5231209	1.98272	1.71128
19718	RFC2	2.231043				1.661238		2.4554892	1.9902004	3.0149	2.270575
19891	RPA2	4.851349	2.68924	3.748994	2.921636	5.311873	3.007099		4.686968	10.2822	4.687422
20174	RUVBL2	5.442254	3.23612	2.565362	3.696173	5.553544	1.573542	3.5240946	2.208627	5.35049	3.683356
22059	TRP53	3.132987	2.47921		2.138508	2.820735	1.770536	2.3463035	1.5506192	4.63321	2.609013
22224	USP10	2.554445	2.02715	2.946498	2.617135	5.394425	1.697065		2.8652425	3.23205	2.916751
22256	UNG	19.1683	2.76649	9.147691	2.949916	20.18808	2.87362	8.413191	9.917776	13.1279	9.839214
22591	XPC			3.050417	1.548667	2.988503	1.544174		3.0076096	2.09351	2.372146
22596	XRCC5	4.704897		5.76405			4.773293	8.638092	5.9560094	9.04104	6.479563
23894	GTF2H2	1.683866	1.57311	2.453821	2.017026	3.732859	1.56285	2.2475357	2.7963912	2.2215	2.254329
26430	PARG	2.37429		2.00808	2.023198		1.573787	1.8581237	1.9557493	2.45603	2.035608
26447	POLI	5.740363	2.54949	11.14858	3.749637	6.725548	3.604655	4.7069707	12.567881	3.38285	6.019553
26909	EXO1	8.123279	1.65406	4.933021			1.930111		4.8994126	7.32457	4.810742
27050	RPS3	3.199987			1.935656	2.390947	1.704146		1.7545365		2.197055
27221	CHAF1A		2.02856	1.978647	2.41095	7.349122			2.0328178		3.16002
30939	PTTG1	3.396348		8.46979	4.312857	3.821841	2.316176	1.9912378	7.4752707	1.86533	4.206107
55982	PAXIP1	3.194789		1.813287				2.679123	1.50338	2.81739	2.401594

56210	REV1			3.045018		7.109235	3.09352	3.8043292	2.4475412	3.71267	3.868718
56371	FZR1	2.520199	1.90316	2.975867	1.953267	3.374749		3.0830772	2.4519467	3.91229	2.771819
56626	POLL	1.806532		2.273057	1.651172	1.810579		1.6327096	2.0988474	2.17011	1.920429
58186	RAD18	5.761915		2.767671		2.375337			2.3592572	1.57665	2.968166
66143	EEF1E1	2.987307	2.07899	2.598715	2.863539	3.304764		3.2620282	2.5254605	2.32104	2.74273
66165	BCCIP	2.35583	1.66734	2.336944	2.505071	2.385149	1.592569		2.7191322	1.72033	2.160296
66209	1110054O05R	3.386212		1.50724			1.554252		1.5302361	1.71976	1.939539
66671	CCNH	2.083487			1.914475		1.682973	1.9010292	1.8189089	1.57171	1.828764
67439	XAB2	2.373234	1.97614	3.370523	2.045575		1.91762	3.4666693	2.6327138	4.17495	2.744679
67849	CDCA5	6.749588	4.43255	4.388321	7.336037	7.723236	3.743934		3.5498226	10.1145	6.004747
67967	POLD3	2.934981	2.34923	5.685108	4.594955	4.119391	1.597635	4.196433	5.940488	3.71083	3.903227
68058	CHD1L	5.376757		6.423095		4.43515	2.349316	3.5196276	6.879703	4.35084	4.76207
68114	MUM1			1.597447		2.168645		2.0071993	1.741445	2.26979	1.956906
68275	RPA1	3.492204	1.84279	2.963125	2.861424	1.631714	1.7368		2.7344732	3.59567	2.607275
69263	RFC3	1.952779	1.59917	2.428283					2.4958405	2.93002	2.281219
69745	POLD4	-2.59592			-2.95202		-1.7375		-1.6653259	-2.9464	-2.37944
69747	ZSWIM7		2.40447	2.663169	1.769183			2.4921188	2.8113701	2.43612	2.429405
69928	APITD1	4.049897	2.22759	5.888269	1.983868	6.612199			5.7100053	5.14909	4.517274
70603	MUTYH	2.15792	1.89415	5.198168	3.031857	17.44005	1.707077	2.482937	5.066653	2.76251	4.637925
70681	FAM175A	2.746482					1.681921	2.2841303	3.4410899	1.96991	2.424707
71514	SFPQ			1.687261	1.556716	2.842757		2.2183602	1.7984768	1.89518	1.999791
71988	ESCO2	17.30424		10.14842		32.34585	7.406475	11.867489	16.779167	18.4749	16.33236
71991	ERCC8	2.858706	2.26709	2.488113	2.459624	15.69964	1.603392		2.593248	2.78539	4.094401
72151	RFC5	7.28571	3.84084	6.85148	5.067011	6.257509	2.525232	6.626168	6.6042814	7.98665	5.893875
72199	MMS19	2.141576		2.082894			1.633787	1.9684695	1.8204204	1.80022	1.907894
72584	CUL4B	3.414818	2.76243	3.062144	3.355609	4.132509	2.375641	3.925237	3.0197628	4.00634	3.339387
74335	XRCC3		1.9672	3.006788	1.997856	4.700612		3.3889403	2.6670768	2.32998	2.865493
74996	USP47	-2.04779		-2.07294	-2.28421	-2.76908	-1.69799	-2.683387	-1.8617955	-3.0381	-2.30691
76251	0610007P08R	2.331642			2.218153	1.548106	1.587036			1.57541	1.852068
76843	DTL	3.830817			2.351288		2.21859	4.0202856		4.33614	3.351423
77011	5730590G19R	1.952978	3.85179	3.088561	7.935176		4.690552		2.58452	2.40829	3.78741

77805	ESCO1	2.201133		1.746705			1.517749	2.402491		1.70662	1.914939
93759	SIRT1	8.985036	2.25574	3.824412	5.789665	5.835532	3.523417	4.7089896	3.8066845	6.16662	4.988455
93762	SMARCA5	2.97711					1.691476	1.7624475	2.6831617	1.5132	2.12548
99375	CUL4A	-1.55218			-2.39752	-2.17666	-1.62891			-1.7662	-1.9043
104806	FANCM	3.359558		2.644022			2.651202		2.6499617	3.29352	2.919653
104884	TDP1	2.513304		2.034524	1.554155			2.4999552	1.8922962	2.67966	2.195649
106344	RFC4	6.449755	2.13787	3.910761	4.456311	6.746505	2.124813		4.016365	3.72538	4.19597
107976	BRE	1.731222		1.67395	1.835758	3.247217	1.664866	2.0587316	1.6292326	1.86556	1.963318
107986	DDB2	3.875033			1.5682	17.56142	2.035351	4.155928		4.16653	5.560411
110033	KIF22	6.429802	1.87865	3.438468	2.807016	4.870087	1.593314		3.1992059	4.08268	3.537402
110749	CHAF1B	4.228813	2.11173	3.560368	5.057886	4.294019	1.740116		3.630749	5.83528	3.80737
114714	RAD51C	6.549126	1.82243		3.174691	28.07105	3.264728	5.4214525	68.68994	9.14759	15.76763
114741	SUPT16H	3.535996	2.09706	5.297939	5.748107		1.626386	1.9924612	6.7907424	2.71499	3.72546
208836	FANCI	5.666838	2.36004	7.041444	3.261819	22.05575	2.987374	5.9353566	4.8697276	12.137	7.368378
209357	GTF2H3		2.44892		3.263096	1.563515	2.592218	2.793391		3.62313	2.714045
211651	FANCD2	7.860891	1.83578		4.730663	8.691401	2.75896	5.5233517		6.215	5.373721
227099	PMS1	4.579263				12.36214	2.301297	4.366937		4.03528	5.528984
229543	INTS3	1.518266	1.51152			2.819316		2.5768316		2.78635	2.242455
231642	ALKBH2	2.464529	1.68034	2.393202	1.919771	7.029433		3.1243691	2.1987026	2.90725	2.964699
231724	RAD9B	3.661073	3.08643	6.816867	7.361702	10.28887	5.492879	6.985285	7.650902	3.71805	6.118006
233826	PALB2	9.79115			5.29625		2.140399	4.394153		6.12736	5.549861
234736	RFWD3	3.341964		3.943778	1.561217	6.150487	1.733662		3.7716677	2.8322	3.333568
235323	USP28	4.488725		12.11173		4.659934	5.266205	6.989826	11.8387	5.70766	7.294684
245000	ATR	4.382144		3.347981			1.593492	2.4986112	3.4546301	2.27124	2.924683
268465	EME1	5.374991		4.89738			1.784771		4.731048	8.06292	4.970223
269254	SETX	2.663854	2.43291	2.974565	3.65288	1.624694	3.389844	3.3495495	2.9082553	3.65156	2.960901
269400	RTEL1	3.4655	1.80338		3.890112	7.268753	1.517421			3.41325	3.559735
327762	DNA2	12.92895		10.52116			2.566019	6.37544	9.0046015	3.73128	7.521241
545124	TDG	2.270905		3.670052	1.505508	9.213718			3.6325397	1.57485	3.644595
545500	USP1	3.409389		1.909709	1.591093	7.735681			2.0774324	2.96915	3.282076
545845	SOD1	1.920191	2.0575	2.543534	3.008796	2.669693		2.2845187	2.3774357		2.408809

620986	RPA3	4.787408		2.163595	1.655483	5.911824		2.7286139	2.2898452	3.15478	3.24165
623474	RAD54B	10.06358	3.10207		6.491101	7.018687		6.5198317		8.37269	6.927993
640972	CINP		1.70655	1.748535	1.909824				1.7063049	1.8029	1.774823
654309	ALKBH1	2.697864		1.902038	2.286724		1.505604	2.242752	1.7228119	1.50311	1.980129
667519	HMGB2	6.275385		7.099649		19.87058	2.312244	4.220383	7.6438274	3.6684	7.298639
667950	SMC3	2.96948		2.125259	1.648218		1.564082	2.7274444	2.066385	2.57708	2.239707
668831	TTC5	3.301454		3.867403	1.641059	3.247667	2.182123	2.2453566	3.6460214	3.0293	2.895048
100041484	UBE2D3	4.775469		2.287694	2.492424			2.5192132	2.3565218	2.2893	2.78677
100044333	FANCL	3.373416	1.77641	3.613124	3.186668	6.382552	1.829075		3.3381603	2.73439	3.279225
100046628	NPM1	2.017677		2.764846		2.034724		1.7288516	3.3422496	1.81951	2.284643
100047319	UHRF1	6.61735	2.44166	2.320042	2.210363	5.244235	1.701639		2.3410954	9.53101	4.050924
Consensus Differentially Expressed Cell Death Genes in Mouse ESCs Compared to MEFs (expressed as fold change*)											
Entrez ID	Gene Name	Chen	Feng	Okita	Heng	Ichida	Kang	Sridharan	Takahashi	Zhao	Average
20715	SERPINA3G	-80.8594		-10.696		-909.538			-10.399703	-6.252	-203.549
21825	THBS1	-1058.63	-2.83174		-3.95246	-51.5903	-7.54347	-6.4333735		-219.57	-192.936
12505	CD44	-63.4894			-2.80592	-7.32692	-10.9621			-247.44	-66.4043
20563	SLIT2	-11.2459	-3.1357	-14.1826	-2.02611	-306.575	-12.9393	-10.033283	-14.616108	-57.551	-48.0339
21808	TGFB2	-68.7878	-2.80135	-74.866	-5.00769	-7.71468	-6.34794	-8.440528	-140.72371	-40.649	-39.4821
21809	TGFB3	-57.2577	-4.24143	-19.1683	-8.12965	-32.9938	-25.4979	-30.029053	-23.496046	-120.47	-35.6985
14234	FOXC2	-27.522		-11.2739	-2.76132	-85.4739	-7.78067		-10.063139	-48.285	-27.5942
22253	UNC5C	-14.9643	-1.83278		-3.44969	-135.662	-5.2515			-2.2347	-27.2325
18783	PLA2G4A	-28.9884		-5.99432			-8.59127		-5.3878026	-86.383	-27.0689
22418	WNT5A	-78.0065	-2.38063		-2.34777	-12.1151	-10.653	-11.955402		-64.168	-25.9466
18787	SERPINE1			-12.7604			-13.4729	-7.308595	-11.739115	-81.569	-25.3701
20346	SEMA3A	-21.6177	-2.58126	-8.25067	-4.64412	-110.248	-16.3235		-9.263191	-13.683	-23.3263
140579	ELMO2	-2.53387			-2.339	-108.445	-1.50246			-1.7714	-23.3183
20296	CCL2	-6.86598		-7.94715		-111.854	-2.13576		-7.0337467	-3.3746	-23.2019
26362	AXL	-63.1677	-1.65013	-7.01817	-4.05533	-13.1436	-18.5986	-9.681479	-6.9677415	-81.888	-22.9079

18383	TNFRSF11B		-3.73942		-9.13622	-65.6355	-7.92532			-14.694	-20.2261
16323	INHBA			-31.2316			-9.48829	-9.277102	-33.20487	-17.761	-20.1926
70676	GULP1	-4.88278	-3.04064	-5.96206	-2.88517	-118.798	-4.60776	-10.860556	-5.828866	-10.772	-18.6265
11820	APP	-24.7534	-2.5911		-5.33699	-25.395	-7.12108			-46.515	-18.6188
16952	ANXA1	-30.9622	-1.99466	-10.5499	-4.22957	-14.5438	-20.0034		-9.576086	-55.008	-18.3585
17300	FOXC1	-35.1057		-14.8642		-23.8478	-5.86032	-5.7130475	-12.2736845	-14.13	-15.9707
17260	MEF2C	-38.0987	-3.06299		-1.82944	-34.4226	-3.21003		-12.753302		-15.5628
20583	SNAI2	-19.8284	-3.25111	-14.2353	-5.48094		-9.07469	-9.674139	-14.296492	-48.564	-15.5507
227753	GSN	-55.1105	-1.54004	-11.9441	-3.9088		-5.97459		-10.595913	-16.37	-15.0634
14600	GHR	-34.9118	-2.47383	-11.8311	-2.25111	-10.8581	-12.8737	-10.086788	-10.282144	-37.704	-14.8081
16985	LSP1	-17.6366		-12.6759			-13.8793	-13.433989	-13.267732	-14.351	-14.2075
11747	ANXA5	-25.0668	-2.19159	-14.4165	-4.41531	-9.47699	-12.5345		-14.922303	-26.243	-13.6583
13617	EDNRA	-26.3364	-9.22016		-2.40151	-30.1286	-5.28354	-6.2230234		-14.767	-13.4801
12064	BDNF			-12.1662	-1.52363	-24.5831			-12.941201	-13.722	-12.9872
58194	SH3KBP1	-12.056	-1.72535	-8.35787	-4.31004	-25.5977	-8.62313		-8.56856	-34.143	-12.9227
16007	CYR61	-34.7484	-2.2401	-16.279	-3.65232	-16.4511	-7.97346	-6.5069847	-14.917294	-10.961	-12.6367
11826	AQP1	-23.1626		-4.31809		-25.4144	-3.00218		-5.381949		-12.2559
13649	EGFR	-27.5251	-3.05609		-1.52267	-6.26635	-6.46435		-5.8061543	-27.842	-11.2118
17967	NCAM1	-2.48461	-3.32771	-27.0042	-7.01232		-5.19215	-6.3217235	-25.381556	-8.8123	-10.6921
14066	F3		-5.10062	-11.7837	-5.08509		-9.62207		-12.509748	-19.186	-10.5478
12824	COL2A1			-21.0965	-1.63769	-8.59518	-5.81946		-22.883749	-2.0117	-10.3407
23967	OSR1	-34.1396	-4.3509	-6.00141	-5.74493		-3.88174		-5.9792366	-11.844	-10.2773
13345	TWIST2	-14.7146	-4.25199	-14.9389	-8.38904	-6.08862	-6.64247		-13.557208	-13.081	-10.208
14219	CTGF			-12.592	-2.18152	-5.63968	-9.07763	-5.1290097	-11.505361	-22.88	-9.85795
15402	HOXA5	-29.6249	-3.71367	-7.36915	-6.74215	-15.1654	-4.3232		-7.619693	-1.773	-9.54139
107503	ATF5		-5.59273	-13.3847	-3.62309	-8.31812	-1.6562	-5.832331	-15.123146	-15.37	-8.61251
23882	GADD45G			-10.7893	-3.43602	-5.34607	-7.83691	-5.5643935	-12.342993	-14.851	-8.59531
17390	MMP2	-12.374	-3.71531	-5.08216	-9.79647	-9.09554	-4.10558		-5.5756125	-16.282	-8.25333
100044205	CASP12	-24.1016		-2.59352	-1.92325		-4.13913	-4.769782	-2.3515625	-17.691	-8.22428
54447	ASAH2	-10.0529			-2.12835	-22.4472	-1.67599		-1.5939348	-9.5212	-7.90326
19122	PRNP	-5.82692		-5.46787	-2.88867	-12.3544	-4.51842		-4.8437533	-19.017	-7.84534

223453	DAP	-11.2014	-2.24247	-6.00614	-3.54248	-16.3436	-4.92324		-7.1253204	-9.5033	-7.61099
22160	TWIST1	-13.3885	-3.31531	-6.43047	-5.78537	-6.50644	-5.66171	-7.287856	-7.486298	-10.927	-7.42096
16000	IGF1		-7.72582		-7.58415		-2.4428	-2.959766	-14.190371	-7.3777	-7.04677
12554	CDH13	-8.89211		-2.49196		-19.2268	-1.73647		-2.6547167		-7.0004
67454	IKBIP	-4.9704		-3.1867	-2.348	-19.6167	-4.18381	-5.5848203	-2.8951201	-10.088	-6.60915
16476	JUN	-6.77404		-5.76804		-6.54237	-6.45242		-5.8069773	-7.5913	-6.48919
21937	TNFRSF1A	-7.25353	-3.65141	-8.21366	-6.53592		-7.31286	-3.6751323	-8.301185	-6.4622	-6.42574
72512	TMEM173	-6.11573	-2.04691	-8.46071	-2.21322		-10.0231	-7.1649065	-9.121153	-5.3778	-6.31544
21857	TIMP1			-6.11166		-4.62962	-5.06289		-6.6477814	-8.1453	-6.11945
14239	FOXS1			-8.36399		-4.04528	-2.06307	-6.9552617	-7.7849517	-7.1178	-6.05506
107449	UNC5B		-1.53643	-9.14783	-2.61064	-4.0871	-7.47507	-7.2148795	-9.351481	-6.3273	-5.96884
17000	LTBR	-8.9691	-1.98059	-8.16857	-2.55233		-3.50198		-8.99266	-6.994	-5.87988
100047666	AKT1	-10.0316		-5.66927			-5.72941	-3.9434812	-5.3283653	-4.3578	-5.84332
12421	RB1CC1			-4.88203			-1.804	-5.699842	-4.8367896	-11.956	-5.83573
56312	NUPR1			-4.48944		-5.27854	-1.97207		-4.080865	-12.635	-5.69123
14451	GAS1			-5.50887			-3.36148	-5.03938	-5.86144	-8.6444	-5.68312
14605	TSC22D3			-2.94903		-8.66006		-7.2490487	-2.8506296	-6.4443	-5.63061
621824	ILK	-6.61322	-3.54355	-5.93032	-4.2177	-2.70264	-7.00029	-5.5278068	-5.4312677	-9.6439	-5.62341
12370	CASP8	-4.52691	-2.33353	-4.60116	-5.187	-5.95702	-6.62313		-5.2732315	-10.097	-5.57492
16009	IGFBP3		-4.19166		-10.3484	-9.24609	-1.61074			-2.4272	-5.56483
20698	SPHK1	-5.04188		-5.18755	-2.76247	-5.80426		-5.9300203	-5.8382616	-7.9278	-5.4989
240725	SULF1	-11.888		-2.67717	-2.05859	-11.5888	-3.32026	-3.399114	-2.354388	-6.5505	-5.4796
18611	PEA15A	-7.64346	-2.77583	-5.00141	-3.61287		-7.49522	-4.4330297	-5.13543	-7.6944	-5.47395
27279	TNFRSF12A			-7.4714	-2.493	-2.13826	-6.40892		-8.054802	-5.8109	-5.39622
13198	DDIT3		-3.06662	-6.57979		-2.45178			-5.581282	-9.1964	-5.37517
12578	CDKN2A	-6.47441		-5.78373		-2.59087			-6.666951	-4.8263	-5.26845
100169889	PEG3		-5.32656	-5.06565	-6.96256		-3.56712		-5.2457194		-5.23352
15903	ID3	-7.44877	-1.58298	-8.22794	-3.77856	-3.94884	-4.66989		-9.113236	-2.5506	-5.1651
21803	TGFB1			-4.9058			-3.01297	-6.614109	-5.382949	-5.718	-5.12677
11852	RHOB	-5.42065	-2.37966		-3.19281	-3.47145	-6.11858	-5.8239226		-9.1027	-5.07283
69068	1810011O10F	-7.82531		-2.43835			-2.33154		-2.8937101	-9.6627	-5.03031

16412	ITGB1	-5.40773		-3.53699	-2.6227	-5.31648	-3.75926	-4.1271214	-3.3330603	-10.871	-4.87181
20682	SOX9	-5.17279	-4.5819		-10.0383		-2.00029			-2.5089	-4.86044
14283	FOSL1	-7.5893		-4.87325			-3.55682		-5.8041463	-2.1864	-4.80199
216795	WNT9A	-3.90919		-6.53517	-4.63345				-6.6495395	-2.2743	-4.80034
53945	SLC40A1		-1.77583	-9.33241	-1.63416	-1.79513			-9.318286		-4.77116
67468	MMD	-5.48477		-2.06109		-2.93391	-4.63631		-1.9155997	-11.444	-4.74601
213539	BAG2		-2.41893	-6.87269	-3.03026	-3.68547	-3.94106	-5.0986266	-6.5289392	-5.8266	-4.67532
108960	IRAK2		-1.70807	-4.40304	-1.53391	-12.9171			-4.349	-3.1119	-4.6705
18708	PIK3R1	-3.49352			-3.18744	-9.91023	-2.61122			-3.6728	-4.57505
71929	TMEM123			-3.31969			-3.27289	-3.812647	-2.9296248	-9.4733	-4.56162
12608	CEBPB		-1.98719	-6.40971		-4.12983	-1.81249		-7.402499	-5.4996	-4.54022
208117	APH1B	-2.18444	-2.15619	-4.58942	-1.52333	-19.7214	-1.88838	-1.751717	-4.9370375	-1.661	-4.49033
76500	IP6K2	-3.31034		-1.82923		-15.5107	-1.98587		-1.8448932	-2.3814	-4.47707
66725	LRRK2	-9.46048		-2.50377	-2.20194		-3.11669	-5.4923487	-2.771662	-5.7757	-4.47466
16004	IGF2R		-3.6401	-3.64293	-2.4771	-9.58208	-3.18327		-3.6061957	-5.1392	-4.46726
23871	ETS1	-9.88098			-1.85635	-2.29019	-6.18966	-3.9881961		-2.237	-4.40706
12575	CDKN1A	-5.49536		-5.32952	-3.25936	-3.78752	-2.91664		-5.3268366	-4.1738	-4.327
71712	DRAM1	-6.99553	-2.56318	-6.28408	-4.83508		-1.64052		-6.4551215	-1.5129	-4.32663
12257	TSPO	-3.7756		-5.60561	-2.25731	-2.86565	-3.00044	-4.526232	-4.9596963	-7.2163	-4.27586
14456	GAS6	-3.41122	-3.92346	-3.29549	-6.72979	-4.13705	-1.51789	-5.792002	-4.6470304	-3.8872	-4.14902
232146	FAM176A		-2.46679	-4.51791	-3.45478			-6.04015	-4.123349		-4.1206
18008	NES			-5.29614	-2.21252	-2.2439	-6.97866		-5.6022053	-2.363	-4.11608
20312	CX3CL1	-3.17834		-2.32817	-2.91291		-3.68237	-7.898763	-2.1806428	-5.8321	-4.00191
26943	SERINC3	-2.74183		-1.97238		-10.7666			-1.9445341	-2.4791	-3.98089
81535	SGPP1	-2.28048	-1.95769		-2.67011	-5.30349	-3.98053	-5.562242		-5.713	-3.92394
66940	SHISA5	-5.15549	-1.6376	-4.39152	-3.05455	-3.34706	-2.98128	-4.034838	-5.9265895	-4.7608	-3.92108
14268	FN1	-2.93689	-1.75304	-5.82106	-2.00295		-2.52814		-4.839903	-6.7939	-3.81085
54411	ATP6AP1			-4.376		-4.67492	-2.91742	-2.7847967	-4.661973	-3.2871	-3.7837
11477	ACVR1	-2.59862	-2.76274		-4.85465	-4.78794	-3.52085	-2.9065237		-4.9406	-3.76741
64209	HERPUD1		-4.18656	-4.26904		-1.78461	-3.24039		-4.0683293	-4.7745	-3.72057
18750	PRKCA	-6.89036	-1.67035	-3.78228	-1.84079		-4.04884	-3.5449028	-4.315802	-3.554	-3.70592

12580	CDKN2C		-2.76542	-3.98331	-2.41141		-2.1156	-5.8000307	-3.6304789	-5.0258	-3.67601
14634	GLI3	-6.92727		-2.92737	-4.16328		-2.93201	-2.5302863	-3.124221	-2.9772	-3.65452
12151	BMI1	-3.31702	-2.26034		-2.49457		-2.73622	-3.845554		-7.1625	-3.63603
16432	ITM2B	-3.07103		-4.13907		-3.83273	-2.53622		-4.0330915	-4.0338	-3.60767
100102	PCSK9	-3.37017	-2.96744	-4.1425	-3.76294				-3.7148952		-3.59159
20677	SOX4	-6.23455	-2.27471	-3.89879	-4.24431		-3.78383	-2.107036	-3.222168	-2.8735	-3.57986
98170	TMEM132A	-2.54988	-2.01551	-3.63029	-2.423	-8.19204	-3.00164	-2.8765426	-5.0729213	-2.436	-3.57754
14745	LPAR1		-2.60797	-4.46051	-3.54837	-7.05463	-1.99618	-2.2740867	-4.669108	-1.9877	-3.57482
12053	BCL6		-2.20818		-2.08866	-6.73394	-2.5591	-3.6354434		-4.0303	-3.54261
68655	FNDC1	-4.42109		-2.59494			-2.10792		-3.097525	-5.4159	-3.52747
14465	GATA6	-3.20876	-5.19151		-4.52244		-1.63118		-2.9581523		-3.50241
64294	ITM2C	-4.72649	-1.53672	-3.30808	-3.33324		-2.72974		-3.1242428	-5.0245	-3.39758
15234	HGF	-3.27142	-2.81427		-2.62144		-2.70182			-5.5515	-3.39209
58208	BCL11B		-5.96262	-2.51874	-1.9683			-3.9895067	-2.4946373		-3.38676
16452	JAK2	-2.02776	-3.20127	-2.60765	-4.33062	-2.24847	-4.98273	-3.5705671	-2.5596795	-4.935	-3.38486
17258	MEF2A	-4.13588			-1.66303		-3.20099		-3.408064	-4.4249	-3.36657
17873	GADD45B			-3.30233			-2.29151	-3.2875893	-4.1157484	-3.8126	-3.36196
13030	CTSB	-3.66474	-1.62804	-3.4709	-2.90063	-6.40348	-2.29256		-3.281256	-2.9303	-3.32148
100042851	SMO	-4.83189	-3.25836	-2.62872	-3.32703	-3.86942	-3.44181	-3.0384848	-2.6066844	-2.4373	-3.27108
101497	PLEKHG2	-3.99492	-1.6094	-3.71109	-2.47457	-3.39629	-3.69797	-3.4382572	-4.0516734	-3.0124	-3.26518
17874	MYD88	-3.79581			-1.83701	-5.4669	-2.10559			-2.7862	-3.1983
70527	STAMBP	-4.00626	-2.40522	-2.96867	-2.56213	-6.28565	-2.74581	-2.6282327	-2.742353	-2.3596	-3.18933
94275	MAGED1	-4.22431	-3.05229	-2.37292	-4.50529	-2.47936	-3.17798	-2.348648	-2.815873	-3.2631	-3.13776
20846	STAT1			-4.11761	-1.91364	-3.81242			-4.081349	-1.7155	-3.12811
56532	RIPK3	-3.34035	-1.77846	-4.20695	-2.5438	-1.82087	-2.4581	-4.832701	-4.103357	-2.8989	-3.10927
73181	NFATC4	-3.13002	-3.04459		-3.13286	-6.88605	-2.14234	-1.6313338		-1.6856	-3.09326
100042019	RPS27A	-2.59038	-1.70032		-1.60105	-5.5271			-5.1125007	-1.793	-3.05407
29810	BAG3	-2.26052			-2.17105	-4.06464	-2.51524		-2.2483218	-4.9999	-3.04328
19697	RELA	-4.60186	-1.60824	-4.17495	-2.4781	-3.88938	-2.07149	-2.0606458	-3.9361577	-2.3607	-3.02016
21898	TLR4	-5.14683		-3.04914	-2.36263		-1.97944	-2.7368183	-2.826543		-3.0169
20597	SMPD1	-3.41473	-2.78635	-2.66048	-2.06752	-3.26157	-2.85038	-3.674384	-2.8428426	-3.2499	-2.97868

11432	ACP2	-4.9608	-2.04417	-3.96738	-1.96353	-2.61475	-1.92401		-3.6751409	-2.6706	-2.97755
17257	MECP2	-2.98228	-1.50944	-3.68036		-3.83427		-2.143054	-3.3959382	-3.2942	-2.97708
107607	NOD1	-1.94669	-1.53467	-2.44514		-6.15751			-2.7133093		-2.95946
54673	SH3GLB1	-2.86462	-2.31723		-2.70086	-1.80428	-3.25189	-2.9606798		-4.7989	-2.95692
66854	TRIM35	-1.9453	-2.04669	-5.18614			-2.38013	-1.5737046	-4.8358335	-2.5613	-2.93273
56722	LITAF		-2.50933	-3.29326	-1.50829	-2.96495	-3.08903	-2.7438943	-2.9447556	-4.2358	-2.91116
100042085	BCL2	-2.28157	-2.04873	-3.53363	-2.24371		-2.63437	-5.5316834	-3.1513116	-1.681	-2.88826
27280	PHLDA3	-3.829		-3.08158	-1.61287	-4.74517	-2.04646		-3.0086386	-1.7976	-2.87447
98432	PHLPP1			-2.93863			-3.55643	-2.2158365	-3.0230553	-2.4901	-2.84481
20850	STAT5A	-3.20128		-2.78776		-3.89046			-2.563665	-1.7648	-2.84159
56462	MTCH1		-2.13991		-1.61666	-3.24614	-2.71018	-2.8648589	-3.0747306	-4.2201	-2.83893
12175	BNIP2	-3.29674	-2.04965	-2.97245	-2.71311	-1.91358	-2.55774		-3.1968954	-3.8927	-2.8241
17127	SMAD3	-2.41986	-1.50512	-3.2485	-2.89924	-3.36171	-3.40858	-2.5979059	-3.465214	-2.3926	-2.81097
20910	STXBP1	-1.72012		-1.93957	-1.85963	-4.7182	-2.4552	-3.0648036	-2.2649078	-4.1261	-2.76857
106759	TICAM1	-1.79072		-3.86286	-3.05781			-1.9230977	-3.8794024	-2.0665	-2.7634
14828	HSPA5			-2.45184		-6.42802	-1.79232	-1.6677115	-2.4718156	-1.7363	-2.75801
14595	B4GALT1	-2.29277		-3.67452		-2.41352	-3.03043		-3.1248128	-1.9716	-2.75128
22339	VEGFA		-2.23734	-1.72279			-1.9814		-1.5004348	-6.2315	-2.73469
11787	APBB2	-2.48838		-2.77302	-1.51704	-2.95284	-3.01308	-2.3292665	-2.959764	-3.6423	-2.70945
67605	AKT1S1	-5.18742		-2.44361	-1.54409	-2.36939			-2.4772496	-2.0677	-2.68159
328417	PARP4	-2.62111	-1.56572	-3.33284	-1.92034				-3.965979		-2.6812
18438	P2RX4		-1.67944	-4.08692		-2.37851	-1.80013		-3.7810576	-2.1132	-2.63988
19353	RAC1	-2.10524	-1.72314	-3.56433		-4.12713	-1.71467	-2.1828754	-3.611728	-1.9551	-2.62303
109815	H47	-2.40668	-1.68931	-2.57797	-2.37681	-1.72603	-1.8929	-3.1559458	-2.5996096	-5.0801	-2.6117
21766	TEX261	-2.33009		-3.29684	-1.52445	-4.919	-1.77028	-1.8304572	-3.177881	-1.612	-2.55763
18706	PIK3CA	-1.67442				-4.47051	-1.81014	-2.461371		-2.2427	-2.53182
19766	RIPK1	-3.14163	-1.79101		-2.37366	-3.26794		-2.025814		-2.5609	-2.52683
218335	CLPTM1L	-2.87148		-2.63452	-2.57791	-1.78271	-2.0793	-2.7089202	-2.764206	-2.6383	-2.50717
20168	RTN3			-2.02997		-4.78034		-1.7844167	-1.8103963	-2.0557	-2.49216
20439	SIAH2		-1.68941	-2.3856	-1.62386			-2.4072397	-2.2930405	-4.547	-2.49103
106869	TNFAIP8		-2.46288	-2.33857	-2.40691		-2.5393	-1.6923972	-2.2085803	-3.1237	-2.39605

56637	GSK3B	-2.92019				-1.7277	-1.97057	-1.85927	-1.941583		-3.9253	-2.39078
13614	EDN1					-2.06762	-1.63277	-2.39175	-3.6538363		-2.096	-2.36841
14827	PDIA3	-3.43724	-2.17652	-2.37243	-2.40032	-2.70949	-1.7119	-1.8159038	-2.7465837	-1.8247		-2.35501
54683	PRDX5	-2.17384		-3.06621		-2.28986	-1.59844	-1.7742203	-3.230242	-2.1961		-2.3327
74996	USP47	-2.04779		-1.69799	-2.07294	-2.28421	-2.76908	-2.683387	-1.8617955	-3.0381		-2.30691
100042453	BLCAP	-2.16657		-2.4059		-2.03195			-2.269674	-2.6489		-2.3046
13010	CST3	-3.00163	-1.68888	-2.11664	-1.95739	-2.42175	-2.00493	-2.4926105	-2.5960917	-2.4285		-2.30093
223701	MKL1	-2.85536		-2.59594			-1.75945	-2.1289186	-2.3924553	-2.036		-2.29468
56772	MLLT11					-2.00901	-2.41672	-1.6545473	-2.5373337	-2.6018		-2.24388
12050	BCL2L2	-2.27306	-1.87428	-1.56997	-1.60635	-2.8907	-1.98588	-2.5050797		-3.1995		-2.2381
74126	SYVN1	-1.61725		-2.22007	-1.60632	-3.67213	-1.50085	-2.2424188	-2.0117433	-2.4046		-2.15942
100048879	PACS2	-1.7677	-2.36853	-2.07424		-3.09613	-1.54564		-2.079558			-2.1553
632287	PLEKHF1		-1.58852	-2.71923	-1.75647		-2.81482		-2.2121887	-1.795		-2.14769
12368	CASP6		-1.97766	-1.788			-2.08095		-1.748071	-3.0809		-2.13512
100047427	THRA	-2.48443		-2.15372	-2.06778		-1.80493	-2.0583987	-2.1384525	-2.2366		-2.1349
100047353	BTG1		-1.88968			-2.01918	-1.5839		-1.8980225	-3.2058		-2.11931
21812	TGFBR1		-2.37475			-1.70064		-2.29968	-2.1280048		-2.0652	-2.11365
15468	PRMT2	-2.47387	-1.55075	-1.8562	-2.33088	-2.93183	-2.39452		-1.7057838	-1.5312		-2.09688
64652	NISCH	-2.14536				-1.58032	-2.554		-1.7626717	-2.4104		-2.09055
64704	HTRA2	-1.90412		-2.22494	-1.8247		-1.93672		-2.276592			-2.03342
64143	RALB					-2.18741	-1.68564	-2.01053	-2.2485166		-2.0249	-2.03139
18753	PRKCD		-1.84174			-1.89469	-2.01923	-1.98399	-1.8913038		-2.288	-1.9865
330662	DOCK1			-1.9838			-2.27555	-1.74951		-2.1172476	-1.587	-1.94262
69632	ARHGEF12	-1.53175		-2.12063			-1.6468		-1.9550403	-2.4586		-1.94256
13870	ERCC1	-2.07324		-1.66744			-2.32445	-1.95872	-1.6346773			-1.93171
14682	GNAQ	-1.63739	-1.60188	-1.91588	-1.65352	-2.06867	-2.35721	-1.9780363	-1.8922724	-2.1992		-1.92268
218397	RASA1	-1.60921		-1.70231			-1.93949		-1.7797147	-2.5402		-1.91419
74168	ZDHHC16		-1.53467	-2.00584			-1.94259		-2.2819574	-1.7398		-1.90098
71609	TRADD	-1.93087		-2.0936	-1.7331				-1.6592551	-1.9313023	-1.7395	-1.84794
22031	TRAF3	-1.89551		-2.37233	-1.65393	-1.647	-1.52492		-2.0918658	-1.5374		-1.81756
100047042	BAG5	-1.64223	-1.86828	-2.06755	-1.67031	-1.66435	-1.60031		-2.191914	-1.7165		-1.80267

226548	APH1A	-1.6144						-1.99378	-1.9241182	-1.7140504	-1.6585	-1.78098
51800	BOK		-1.69766		-1.64308	-1.78915	-1.68277	-2.001226			-1.8294	-1.77387
22027	HSP90B1			-1.54611	-2.22097		-1.57568		-1.61622	-1.7774		-1.74728
14082	FADD		-1.59129	-2.0225	-1.70536	-1.56872	-1.52815		-2.0192575			-1.73921
14688	GNB1				-1.79621		-1.64468	-1.7617211	-1.6289774	-1.7132		-1.70896
19164	PSEN1	-1.99374		-1.50416			-1.536		-1.5179324	-1.6578		-1.64192
637273	PRDX1		1.74424		1.732978		1.688974	1.5460937		1.83806		1.710068
83945	DNAJA3				1.58957	1.667978	1.550843	1.6182839	2.016951	1.97278		1.736067
97541	QARS			1.522805	1.577052	2.2756		1.775775		1.74842		1.77993
21844	TIAM1	2.466859	1.92952	1.632501	1.824763		1.695837			1.53252		1.846999
67039	RBM25	2.16024		1.646796	2.157782		1.597211	1.8105322		1.8748		1.87456
66593	DIABLO	1.67468	1.51106		2.086113	2.262887				1.84172		1.875294
14084	FAF1	2.351501		1.747113	2.131663		1.538615	1.8434906		1.7927		1.900848
65111	DAP3	1.929509		1.544869	1.912569	2.523998				1.66526		1.91524
320720	FASTKD1		1.73316		1.965985	2.022422	1.650011			2.27664		1.929644
667182	DNAJB6	2.672669			1.774758		1.575791	1.7272751		1.97036		1.94417
72567	BCLAF1			1.814297	1.949791	2.705249	1.718156			1.56024		1.949547
66830	NACC1	1.57337	2.15189			1.841403	2.224162	1.8627834		2.04443		1.949672
545792	SMNDC1	2.530996		1.594022			1.650605	1.9934253		2.02444		1.958698
57913	LRDD		1.74808	1.918587		2.025472	1.755435	1.7487626	2.138627	2.4366		1.967367
26931	PPP2R5C	2.756023		1.51496	1.707331		2.310427	1.5560302				1.968954
106021	TOPORS		1.58971		1.551988	1.884216	2.098061	1.9440328		2.76051		1.971421
140580	ELMO1	1.670279	1.57733		2.575011		1.917231	2.3601055		1.76588		1.97764
107976	BRE	1.731222		1.67395	1.835758	3.247217	1.664866	2.0587316		1.86556		2.011044
654309	ALKBH1	2.697864		1.902038	2.286724		1.505604	2.242752		1.50311		2.023016
100046996	FNTA			2.630964	1.548343	1.904367		1.8400866	2.2514317			2.035039
109801	GLO1	2.732574	2.05515		2.013484	1.540675	1.992082	1.8303075		2.0963		2.037225
15452	HPRT		1.94559		2.735714	2.105257	1.612182			1.79854		2.039455
18746	PKM2		1.72228	2.262187	2.493109				2.1916604	1.80793		2.095433
545269	HDAC1	1.934478	1.60059	2.870769	2.28222	1.819278	1.538897	2.284665	2.2259386	2.3049		2.095748
56426	PDCD10	2.625502	1.57212		2.241952	2.522731	1.581263					2.108714

57320	PARK7			1.629027	1.606323		1.502675	3.084069		2.72187	2.108794
107047	PSMG2	2.207185		2.342304		1.532722		2.214807	2.574385	1.86402	2.12257
18567	PDCD2		1.52765	1.865373	2.970258	2.506545	1.72889	2.3166766		2.25328	2.166953
56458	FOXO1		2.55425		2.045303	1.744185		1.5746857		3.09503	2.20269
23856	DIDO1	1.794696		2.184875		2.84265	1.835		2.1112716	2.46954	2.206339
11797	BIRC2	1.851119		2.781541		2.192283	1.65279		2.4917052	2.32689	2.216054
232679	ZC3HC1	2.161528	1.72274	2.452484	2.248797	1.700206	1.797489	2.5396523	2.6099699	2.87507	2.234214
56417	ADAR		2.6165	1.758175	1.843826	3.401463	1.520392	2.6681142		1.86869	2.239595
18226	NUP62	1.836475		1.644852	2.491995	2.719548	1.663286	2.4285755		2.97346	2.25117
19268	PTPRF	1.631684		2.127978	2.274205	2.179719		3.0163732		2.39314	2.270517
19090	PRKDC			2.541477	1.548503		2.229127		2.2069933	3.01604	2.308427
623273	ALMS1	1.562999	2.0146		1.524155		2.738973	3.7247872			2.313104
21987	TPD52L1		2.14228	2.08285	1.762802	2.499184		3.9340727		1.60301	2.337366
12051	BCL3			1.70277		2.601006	1.667149	3.9467907		1.86134	2.355812
11803	APLP1		2.78331		2.192636	2.099598	2.055422		2.7295783	2.32715	2.364616
66642	CTNBL1	3.225929		2.076129	2.045472	2.860525	1.812146	2.4672503	2.0409281	2.44879	2.372146
73914	IRAK3		1.50828				3.136623	3.2603004	2.5407996	1.56135	2.401471
545845	SOD1	1.920191	2.0575	2.543534	3.008796	2.669693		2.2845187	2.3774357		2.408809
71777	ING3	2.548509			2.016402	1.91645	1.989134	2.5198066		3.46331	2.408935
13163	DAXX	1.536045	3.09591		1.943864	3.188972	1.735954	2.7626915		2.95979	2.460461
65020	ZFP110	2.150206			2.755882		2.409406	2.896238		2.13908	2.470162
632101	MCL1	2.686453	2.15393	2.319088	3.619408		1.696797	2.1850374	2.5760531	2.5486	2.473171
78797	NDOR1	2.7183			3.232319	1.669743	1.751924			3.0176	2.477977
21379	TBRG4	1.859499	3.09548		2.471379	2.694981	1.748339			3.05517	2.487475
103199	FIG4	3.610922		2.554608			1.609571	2.28268	2.3027155	2.57066	2.488526
269608	PLEKHG5				2.693265	4.726622	1.722453	1.5812788		1.72157	2.489038
14630	GCLM	2.102598	2.10232	2.804575	2.087107		1.609793		2.9341736	3.89503	2.505084
19192	PSME3		2.09846	1.596496	2.402212	4.344347				2.19769	2.527842
27401	SKP2		1.51232	1.870666	2.073107	3.907118		2.9559493		2.95335	2.545418
18950	PNP		3.56467		1.795281	3.214475	2.011951			2.29116	2.575507
12822	COL18A1		1.66101	2.048825	2.492698	2.029916	1.840681	4.4761634	2.0105028	4.18546	2.593158

14163	FGD1			2.100392	3.936695		1.613003	2.60533	2.0225625	3.55066	2.638107
18673	PHB	3.094446		1.770484		3.675763	1.568618			3.21317	2.664496
14534	KAT2A	1.542254	1.8602	2.837186	1.728204	6.005781		2.5957587	2.6592357	2.10455	2.666646
26885	CASP8AP2	3.25136		2.947948			1.662505		3.29083	2.2855	2.687628
20656	SOD2	2.855706	2.04737	2.351198	2.88232		3.056149	3.0340562	2.5665212	2.72707	2.690048
74018	ALS2	4.380106	1.83234		3.174822	2.918404	1.578298	2.0913901		2.90604	2.697343
66143	EEF1E1	2.987307	2.07899	2.598715	2.863539	3.304764		3.2620282	2.5254605	2.32104	2.74273
17350	MLH1	2.63615		1.748287	1.884543	5.699896	2.032084			2.47043	2.745231
22059	TRP53	3.132987	2.47921		2.138508	2.820735	1.770536	2.3463035		4.63321	2.760212
17248	MDM4	3.191526		3.545836	1.950655		2.673401		3.319913	1.89611	2.762907
60599	TRP53INP1		1.88517	1.873289		2.33131	5.773782			1.96679	2.766068
671392	SET	2.511455		3.263814	1.642276	2.621532	2.122636	2.7653553	3.9259117	3.28605	2.767379
100041484	UBE2D3	4.775469		2.287694	2.492424			2.5192132	2.3565218	2.2893	2.78677
50996	PDCD7	1.935415		2.46899			1.772297	3.5475037	3.081603	4.00341	2.801536
11799	BIRC5	3.319176	1.84724	2.286675	2.530339	4.152658			2.2420616	3.33123	2.815626
58231	STK4		4.24082		2.986651	4.844417	1.601854	1.8108464		1.57874	2.843889
217558	G2E3	4.69626	1.74317	2.460769	2.789632		1.58788	4.297356	2.4905624	2.68632	2.843994
103784	WDR92	2.235291		2.955099	2.5054	6.577713	1.772556	2.0856152	2.878088	1.97843	2.873524
12301	CACYBP	2.899637	1.83259	3.3432	2.380764				3.161959	3.66865	2.881133
18712	PIM1	3.412606			2.143438			1.5977573	3.99259	3.33377	2.896033
109006	CIAPIN1		2.50249	4.22252	1.964582	4.259141	2.144413	1.9626995	4.6137466	1.97555	2.955643
67384	BAG4	6.708093	1.60885	2.624939	1.747122	3.138932	2.388693	3.3550262	2.250837	3.33536	3.01754
12122	BID		2.5455		2.346383	3.85467	2.15497			4.37812	3.055928
252870	USP7	3.392749	2.96414	2.713819	2.510051	4.855309	2.145501	2.989724	2.7705903	3.97522	3.146344
26401	MAP3K1	4.52113		3.515246	2.512882	2.622666			3.6203787	2.33427	3.187762
22034	TRAF6		1.58596	3.526011	1.791435	5.240642			3.8729773		3.203405
105675	PIIF	2.466459		2.921209		2.800912			2.8839767	5.03633	3.221778
83383	TCFAP4	2.67952		2.699098			1.681976	3.1593816	2.820577	6.36949	3.235007
57432	ZC3H8	3.053244	1.8691	2.968743	2.06528	4.43717	2.122803	4.3759837	3.1813889	5.4583	3.281335
56150	MAD2L1	1.695494		2.268959	2.62497	7.054041			2.1056643	4.14733	3.316076
20393	SGK1		4.34781	3.252504	3.351769		1.528193	2.4221618	3.1067271	5.20737	3.316648

13836	EPHA2		3.51386		2.632866	2.499885	2.558499	2.5471823		6.18106	3.322225
53975	DDX20	4.369008	2.86438	2.769792	3.149495	4.776341	1.924376	3.258119	3.1137114	3.68346	3.323188
18854	PML	2.175315	1.84139		1.852511	2.564599	2.685792	5.3493733		6.83639	3.329339
14155	FEM1B	2.557727	2.24992	4.081326	6.230536	2.998845		2.5214152	3.9398856	2.08569	3.333168
56749	DHODH	2.651868	2.7827	4.655154	3.201617	4.340124	1.820635	3.07946	4.2150526	3.58226	3.369875
67379	DEDD2	2.840309	2.57627	4.172485	3.192346	2.124263		3.6487844	4.360973	4.29334	3.401097
20466	SIN3A	3.936515	2.25162	4.073876	2.952721	2.576413	2.171935	4.8319902	4.022831	4.59216	3.490007
269424	PHF17	7.178725	3.1333	1.8909	4.306237	2.403079	3.82488	3.167401		2.11497	3.502436
26941	SLC9A3R1		2.00451	2.991833	2.088665	9.891213	2.555426	3.3502648	2.9689336	2.2379	3.511094
112407	EGLN3	3.242023		2.450976	4.055542	6.694132	1.6364		2.7217963	4.06089	3.55168
50883	CHEK2	3.890199	1.74411	4.23165	1.652609	5.214913	5.000001		3.4851952	3.31923	3.567239
108000	CENPF	6.525947	1.57033	3.876416	2.902132		1.861157		3.4095883	5.45537	3.657278
15277	HK2		4.04947	3.1257	4.773905	3.786282	2.195174		3.1311917	4.70484	3.680937
12752	CLN3			4.411258	2.412096	2.140964		2.323213	4.0486655	7.00262	3.723135
12905	CRADD			3.820196			1.812623	4.9822354	4.0988894	4.22162	3.787113
21848	TRIM24			3.502363			2.884154	5.500321	3.513093	4.49027	3.978041
15185	HDAC6	4.455354		2.962249		4.857442	2.691816	4.4574327	3.1404772	5.30573	3.9815
12534	CDK1	3.625086			2.020316	9.484181			2.1702213	2.91938	4.043837
13605	ECT2	6.689141		4.112783	3.313807		2.120633		3.7136283	4.3436	4.048932
12235	BUB1	6.991281		4.189799			1.811406	3.6749623	2.755143	4.91547	4.056344
69635	DAPK1					2.202503	2.19059	6.7326956	2.4299903	6.72657	4.056471
18715	PIM2	2.928916	4.50664		3.310734		2.867119	4.9996223	8.036886	4.34903	4.428422
21687	TEK			8.551386	1.788435	3.734771	1.808765	3.350931	7.411403		4.440949
16403	ITGA6	10.07293	2.19746	2.709332	2.30412	5.437815		3.6235259	2.3230574	8.14032	4.601071
14367	FZD5	15.25522	2.28797		2.037102		3.48973	2.6848733		2.65815	4.735508
71704	ARHGEF3		2.2864	8.088699	2.528993	8.679997	1.691719	3.3632276	7.6139855	3.99172	4.780593
12021	BARD1	2.150502	2.21114	10.94352			2.291438	3.9085722	8.251224	3.72143	4.782546
21749	TERF1	7.753023		3.791073			4.150293	4.299084	3.6546986	5.12082	4.794831
93759	SIRT1	8.985036	2.25574	3.824412	5.789665	5.835532	3.523417	4.7089896	3.8066845	6.16662	4.988455
243910	NFKBID	2.326418	3.5368		2.787555	14.93079		2.9406497		3.47348	4.999282
12236	BUB1B			5.141412	4.860745	7.675748	2.170902		6.171831	4.403	5.070607

223775	PIM3	7.74564	4.59137	4.75538	8.62815	6.007586	2.100296	3.534987	5.047236	3.9954	5.156227
18541	PCNT	5.55852	1.81585		1.898391	18.27062	2.030709	3.2460938		4.64215	5.351762
56353	RYBP	4.489864	2.02731	14.71131	2.672075		1.879418	3.1788921	10.4088125	3.5235	5.361397
21973	TOP2A	6.759118	1.78469	4.800453	4.2338	13.53852			5.5432467	3.09201	5.678834
234779	PLCG2	3.210828	2.05616	14.59762	1.872913	5.549894	3.828754	4.3523016	11.9335785	4.15608	5.728681
17193	MBD4	4.295425	1.63648	7.062719	1.954588	22.04437	2.048963		6.941113	3.198	6.147708
22596	XRCC5	4.704897		5.76405			4.773293	8.638092	5.9560094	9.04104	6.479563
67338	RFFL	3.522112		7.974252		12.50983		3.2790704	7.014848	4.79037	6.515081
12190	BRCA2	6.512357	2.58925	8.762372	4.22116	12.07109	4.467	6.439889	9.24733	5.82515	6.681733
21386	TBX3	15.32493			2.467851	5.84333	3.138266			7.88302	6.93148
235323	USP28	4.488725		12.11173		4.659934	5.266205	6.989826	11.8387	5.70766	7.294684
12189	BRCA1	12.9718		7.863136	2.079407		2.735525	6.891798	9.31533	11.9418	7.685542
17685	MSH2	5.348609	3.44663	5.255626	2.842074	16.60121	5.515044	11.080691	4.7731085	15.481	7.815994
15201	HELLS	14.10654		5.909233			3.256999	7.1914325	5.956872	10.5418	7.827142
17688	MSH6	6.189639	6.22574	6.167079	6.783223	6.49413	5.845392	14.718712	6.5150657	17.678	8.512995
330409	CECR2	10.31166			4.388679		11.18123	7.864801		11.9873	9.146734
76884	CYFIP2	5.975632		17.23476	1.896076		2.793421		20.696371	6.76091	9.226196
12323	CAMK2B	2.609246	4.37523	31.54377	4.663965	9.631581	1.754665		21.551476	2.33926	9.808649
22256	UNG	19.1683	2.76649	9.147691	2.949916	20.18808	2.87362	8.413191	9.917776	13.1279	9.839214
13423	DNASE2A		3.17427	15.5333	3.689604			14.113357	18.76853	7.80895	10.51467
20111	RPS6KA1	7.714383	1.88381	8.014139		10.87371	4.209301	13.71254	8.549397	30.2369	10.64927
17762	MAPT	36.00685	1.90369	9.337243	4.481134	32.24155	1.535649	3.2063456	5.0164485	2.82457	10.72816
16818	LCK	7.032281	4.86253	12.07798	5.714039	26.98631	2.942153	15.687829	11.854566	16.8024	11.55112
21414	TCF7	8.658368				23.47488	2.912608	8.070319		15.4082	11.70488
18762	PRKCZ	5.298485	3.74105	11.29118	2.664916	80.78581	3.717574	5.443971	9.128053	5.58784	14.18432
54725	CADM1	11.26379		14.38037	1.64991	55.22288	1.851194	9.870277	12.857945	17.6481	15.59305
242705	E2F2	3.204203	1.63787	3.782343		114.1517	1.552981	4.692811	4.7827144	2.53412	17.04235
19073	SRGN			26.40063		31.71254	1.798666		17.259272	13.1377	18.06177
16450	JAG2	1.557111	1.8142	71.5502	1.731879	5.322384	1.844475		66.645805	2.26658	19.09158
18039	NEFL			9.017123			2.942029	37.75871	5.9731073	40.3549	19.20917
15170	PTPN6	13.16768		7.924881		97.11018	2.58678	7.6994014	6.833648	1.631	19.56479

11816	APOE	20.06861		18.58017	6.100475	15.84656	6.135885	57.031944	18.49747	22.0831	20.54302
11676	ALDOC	5.630195		16.16787	2.893659	101.091	4.867419		16.63885	4.37267	21.66596
12124	BIK	7.127413	1.72312	34.61564		33.59283			32.006664		21.81313
239083	CCNB1IP1	55.85379			3.455884		14.90006	19.833939		22.5889	23.32652
230972	ARHGEF16	4.061195	1.96514	102.018	2.903843		1.521753		78.89066	3.65574	27.85948
18617	RHOX5		22.0215	6.607374	5.119938	85.02683		44.451073	7.3048615	27.8776	28.34416
12069	BEX2	22.32756	7.52505	10.02649	10.58443	209.087	2.801064	32.472248	10.751365	27.1756	36.97232
434261	KRT8	7.247571	3.79158	3.841438		188.955			3.76817	16.4696	37.34555
16590	KIT	10.08464	6.84179	204.4135	6.643694		12.81963	3.7291613	78.30556	3.85119	40.83615
383901	SFN		4.11606		1.721507	215.3046	2.099666			16.8812	48.02461
83558	TEX11		1.64672	84.74612	3.850544	182.7895	3.535195	10.177634	72.902954		51.37839
20527	SLC2A3	93.11254	24.4785	98.1338	61.55356	91.80611	22.71913	33.7604	84.88237	100.728	67.90828
16331	INPP5D	16.48196	2.41224	317.3861	1.781179	71.4501	7.110389	9.198579	189.48964	16.2669	70.17523
66824	PYCARD	16.89663		159.8943				39.900463	131.89384	17.5337	73.22378
98558	MAEL	38.87119		174.5492			7.380018	30.364136	154.80132	33.99	73.32597
14175	FGF4	193.2953	3.99696		5.388322	45.65567	6.351896	196.28188	5.9299064	151.36	76.03249
13067	CYCT	10.09146		463.8742			2.755939	32.920525	416.09122	12.8186	156.4253
20674	SOX2	183.5448	8.53801	288.0891	10.72308	195.3371	44.89251	254.00487	242.26491	485.834	190.3587
21667	TDGF1	870.0104	5.41096		5.889912	138.1648	102.8356	635.3308		457.69	316.4761
12550	CDH1	5.037286	10.7911	1890.821	9.053702	328.5066	20.87418	24.05827	1632.1952	222.394	460.4145

Consensus Differentially Expressed Transcription Factor Genes in Mouse ESCs Compared to MEFs (expressed as fold change*)

Entrez ID	Gene Name	Chen	Feng	Okita	Heng	Ichida	Kang	Sridharan	Takahashi	Zhao	Average
16876	LHX9	-51.7935		-98.9605			-2.54223	-11.68509	-123.15954		-57.6282
22771	ZIC1	-55.1552	-7.17548	-86.3982	-9.24973	-35.4326	-2.4342		-126.80169	-27.968	-43.8269
100047726	FOXG1	-7.93136		-3.37343		-128.084			-3.2476103	-11.169	-30.7611
15426	HOXC8	-31.6363			-19.895		-2.90306	-11.010296		-79.722	-29.0332
14234	FOXC2	-27.522		-11.2739	-2.76132	-85.4739	-7.78067		-10.063139	-48.285	-27.5942
12393	RUNX2	-90.4346		-6.30912			-3.10926	-16.09325	-6.9722548	-36.975	-26.6489
22418	WNT5A	-78.0065	-2.38063		-2.34777	-12.1151	-10.653	-11.955402		-64.168	-25.9466

18933	PRRX1	-77.6889	-4.50673	-21.9818	-3.24125	-30.3522	-12.4578	-7.845347	-24.330416	-50.818	-25.9136
634417	FOSL2	-63.0448	-2.6159		-4.8654		-6.06971			-51.582	-25.6355
15395	HOXA10	-19.8107		-50.0984			-1.85056	-14.053563	-39.466938		-25.056
15425	HOXC6	-6.34902	-5.95929	-37.6431	-14.8776	-20.3435	-3.54339		-82.47447	-6.5353	-22.2157
15405	HOXA9	-23.779		-39.192			-1.98278	-11.527752	-54.25054	-2.1176	-22.1416
107765	ANKRD1		-2.51509	-5.76474	-4.4993	-11.1526	-24.0826	-9.185341	-5.772603	-104.38	-20.9186
18032	NFIX	-51.9342	-5.48073	-10.1945	-2.67865	-54.0843	-10.7989	-5.06208	-9.674199	-37.575	-20.8314
15430	HOXD10	-20.6968			-1.57315	-66.5167	-2.54107	-12.472736			-20.7601
24136	ZEB2	-88.4218	-2.82764	-4.29564	-2.14655	-16.4601	-7.17978	-6.514287	-2.8456178	-29.689	-17.82
15229	FOXD1	-20.5042	-3.07648	-28.4365	-2.42101		-5.27035		-48.332542	-16.556	-17.7995
76365	TBX18	-14.5689	-1.50998				-2.63076	-10.844203	-62.383385	-14.511	-17.7414
17300	FOXC1	-35.1057		-14.8642		-23.8478	-5.86032	-5.7130475	-12.2736845	-14.13	-15.9707
17260	MEF2C	-38.0987	-3.06299		-1.82944	-34.4226	-3.21003		-12.753302		-15.5628
20583	SNAI2	-19.8284	-3.25111	-14.2353	-5.48094		-9.07469	-9.674139	-14.296492	-48.564	-15.5507
20429	SHOX2	-9.07272	-4.13963	-18.9334	-15.2735		-2.04684	-14.299866	-24.577309	-35.364	-15.4635
17286	MEOX2		-3.22248	-40.967	-3.13997		-2.3446		-24.993347		-14.9335
13654	EGR2			-28.9965	-2.50152		-5.55074	-20.009672	-17.124247	-11.906	-14.348
100046044	NR2F2	-33.6254	-6.91627	-5.6959	-9.38221	-27.558	-5.66211	-4.0138674	-7.4759874	-25.636	-13.9962
21384	TBX15	-10.1986		-20.49			-13.2082	-10.41149	-19.808638	-8.3455	-13.7438
15414	HOXB6	-12.3224		-24.1808			-1.7301		-20.924479	-9.4472	-13.721
17387	MMP14	-21.4941	-4.54465	-11.7812	-7.51248	-13.7139	-8.25595	-11.16184	-12.644316	-15.988	-11.8996
12394	RUNX1	-16.9723	-3.52056	-18.323	-5.19524		-7.97082	-7.60425	-24.91538	-9.1256	-11.7034
15273	HIVEP2	-8.62854		-11.0928			-4.87842		-11.0398	-19.543	-11.0365
12395	RUNX1T1	-12.9201	-4.89335	-6.18015	-2.42424	-45.2937	-2.90781	-6.230899	-5.4612355	-10.416	-10.7475
674174	SIM2	-13.7071		-18.5533	-1.64315		-1.73873		-17.439482		-10.6163
13345	TWIST2	-14.7146	-4.25199	-14.9389	-8.38904	-6.08862	-6.64247		-13.557208	-13.081	-10.208
15404	HOXA7	-4.34596	-2.58938	-14.9939	-3.45528	-22.576			-17.872652	-1.9386	-9.68168
15402	HOXA5	-29.6249	-3.71367	-7.36915	-6.74215	-15.1654	-4.3232		-7.619693	-1.773	-9.54139
26427	CREB3L1	-6.69784	-1.77522		-1.79761		-5.95725	-8.638348	-26.940527	-13.942	-9.39268
107503	ATF5		-5.59273	-13.3847	-3.62309	-8.31812	-1.6562	-5.832331	-15.123146	-15.37	-8.61251
81703	JDP2		-6.52192	-7.84382	-2.51846	-4.22962	-2.44131	-7.251753	-7.5057	-25.836	-8.01855

110796	TSHZ1	-8.44552	-3.83235	-10.279	-8.12668		-3.95681		-10.5705	-10.862	-8.01039
20204	PRRX2	-16.5976		-8.95309	-3.59985		-4.72183		-10.128488	-4.0531	-8.00899
22160	TWIST1	-13.3885	-3.31531	-6.43047	-5.78537	-6.50644	-5.66171	-7.287856	-7.486298	-10.927	-7.42096
16373	IRX3	-21.9616			-2.95497	-4.44723	-1.56625			-5.4317	-7.27235
18027	NFIA			-11.2091			-3.90423	-3.040571	-12.671254	-5.1431	-7.19366
15427	HOXC9		-6.27298		-8.27027	-16.6485	-2.84429			-1.8894	-7.18509
17268	MEIS1	-6.13485	-6.95592		-10.2264	-1.69959	-6.52883	-3.7337558		-13.655	-6.99059
17536	MEIS2	-5.38471	-5.4587	-6.10153	-2.47886	-4.95142	-7.27682		-6.517331	-17.476	-6.95563
20613	SNAI1			-6.83293		-4.10556	-6.68917		-7.6124077	-9.0659	-6.86119
14247	FLI1		-1.7151		-2.57036		-3.65926	-12.334172	-4.261953	-16.016	-6.75943
16476	JUN	-6.77404		-5.76804		-6.54237	-6.45242		-5.8069773	-7.5913	-6.48919
100046232	NFIL3		-6.32002	-6.51776	-4.55776	-4.01431	-5.54616	-5.325896	-6.9305654	-11.669	-6.36022
14239	FOXS1			-8.36399		-4.04528	-2.06307	-6.9552617	-7.7849517	-7.1178	-6.05506
20678	SOX5		-1.97395	-3.0713		-20.5387	-1.55549		-2.980115		-6.02391
13591	EBF1		-3.34318		-2.61357		-2.79804	-5.695887		-15.57	-6.00413
15413	HOXB5	-9.24564	-3.40565		-5.76544	-9.54796	-1.75873				-5.94468
54352	IRX5	-10.42	-3.20085	-4.10118	-6.708	-12.6658	-1.72543	-4.2830358	-4.8854995	-4.818	-5.86753
243931	TSHZ3	-3.8765	-3.42207		-6.12348	-9.70079	-2.2019	-6.435582		-8.455	-5.74504
100045612	IRX2	-2.94646		-4.73474	-8.68789	-5.67769		-4.259261	-5.7067056	-7.9707	-5.71193
14605	TSC22D3			-2.94903		-8.66006		-7.2490487	-2.8506296	-6.4443	-5.63061
18028	NFIB		-4.68846	-9.6618	-2.08885	-8.15789	-2.50019	-2.60966	-10.138448	-4.5985	-5.55547
13713	ELK3	-7.86653		-6.34463	-1.89764	-5.78804	-5.24668	-5.458041	-5.8553486	-5.9765	-5.55418
17285	MEOX1		-2.06356	-10.6452	-2.73335		-1.86976		-11.35432	-3.9937	-5.4433
13198	DDIT3		-3.06662	-6.57979		-2.45178			-5.581282	-9.1964	-5.37517
103889	HOXB2	-5.74275	-4.17528		-5.02496		-2.09096	-4.641313		-10.212	-5.31461
12578	CDKN2A	-6.47441		-5.78373		-2.59087			-6.666951	-4.8263	-5.26845
15903	ID3	-7.44877	-1.58298	-8.22794	-3.77856	-3.94884	-4.66989		-9.113236	-2.5506	-5.1651
15412	HOXB4	-2.59985	-2.49266		-2.65062	-18.3888	-1.68468			-2.4134	-5.03834
208647	CREB3L2	-4.25799		-7.73821		-2.91476	-4.84086	-3.6641126	-7.9918785	-3.2401	-4.9497
20682	SOX9	-5.17279	-4.5819		-10.0383		-2.00029			-2.5089	-4.86044
14283	FOSL1	-7.5893		-4.87325			-3.55682		-5.8041463	-2.1864	-4.80199

18029	NFIC	-4.39909	-2.14571	-5.21492	-3.56703	-7.12959	-2.62191	-3.5701883	-6.698311	-6.0825	-4.60325
12608	CEBPB		-1.98719	-6.40971		-4.12983	-1.81249		-7.402499	-5.4996	-4.54022
11906	ZFH3	-4.18343	-2.38774	-6.08345	-2.80534	-6.03122	-3.3278		-7.1669517	-4.2895	-4.53442
23871	ETS1	-9.88098			-1.85635	-2.29019	-6.18966	-3.9881961		-2.237	-4.40706
16363	IRF2		-2.22359	-3.9982	-5.17984	-6.08204	-2.89971		-5.0690246		-4.24207
23849	KLF6	-3.96035	-2.03945	-4.57857	-2.09679	-7.34103	-3.57996	-3.4472654	-4.1456356	-5.4307	-4.06886
12913	CREB3	-3.94388	-2.18302	-6.10305	-3.65364	-2.41013	-3.32509	-3.6078684	-6.6842737	-4.084	-3.99944
16371	IRX1	-3.67086	-2.26311		-2.31967		-1.55548	-4.888482		-9.2189	-3.98608
676870	PBX1	-7.34578	-1.6072	-4.40802	-1.84778		-5.1095	-1.6031995	-4.005828	-3.8024	-3.71621
14634	GLI3	-6.92727		-2.92737	-4.16328		-2.93201	-2.5302863	-3.124221	-2.9772	-3.65452
21678	TEAD3	-2.85584	-1.58351	-7.20891			-2.9319	-1.760988	-7.1180377	-1.8744	-3.61909
20677	SOX4	-6.23455	-2.27471	-3.89879	-4.24431		-3.78383	-2.107036	-3.222168	-2.8735	-3.57986
12053	BCL6		-2.20818		-2.08866	-6.73394	-2.5591	-3.6354434		-4.0303	-3.54261
14465	GATA6	-3.20876	-5.19151		-4.52244		-1.63118		-2.9581523		-3.50241
58208	BCL11B		-5.96262	-2.51874	-1.9683			-3.9895067	-2.4946373		-3.38676
17258	MEF2A	-4.13588			-1.66303		-3.20099		-3.408064	-4.4249	-3.36657
21406	TCF12	-2.15064	-3.79007	-3.85831	-2.72732	-2.16371	-3.50644	-3.1378741	-5.165829	-3.1536	-3.29486
16911	LMO4	-2.95895	-2.589	-5.38795	-2.04825	-3.91867	-2.84432		-4.627109	-1.912	-3.28578
13392	DLX2			-4.12894	-2.05364		-1.57784	-3.7513847	-4.3348184		-3.16932
13653	EGR1				-2.66163	-6.78381	-1.55902	-2.6924317	-1.7022885	-3.5793	-3.16308
20666	SOX11	-6.94391	-1.67399	-2.1915	-2.2346		-3.62945	-3.0716062	-3.5075576	-1.8762	-3.1411
387609	ZHX2		-2.32548		-2.38588		-2.12665	-5.326569		-3.4971	-3.13234
20846	STAT1			-4.11761	-1.91364	-3.81242			-4.081349	-1.7155	-3.12811
73181	NFATC4	-3.13002	-3.04459		-3.13286	-6.88605	-2.14234	-1.6313338		-1.6856	-3.09326
19697	RELA	-4.60186	-1.60824	-4.17495	-2.4781	-3.88938	-2.07149	-2.0606458	-3.9361577	-2.3607	-3.02016
14461	GATA2	-2.99316		-3.18336		-5.44539	-1.68221		-2.8655596	-1.7202	-2.98165
17257	MECP2	-2.98228	-1.50944	-3.68036		-3.83427		-2.143054	-3.3959382	-3.2942	-2.97708
93691	KLF7	-4.77956	-2.11701		-2.47017		-3.33655			-2.1606	-2.97278
21417	ZEB1	-3.24355	-1.57747	-2.6306	-1.64237	-4.33782	-3.33182	-1.9824643	-2.4157016	-4.7736	-2.88171
17537	MEIS3	-3.40892	-1.76257	-4.13589	-2.23956		-1.85278	-1.6312624	-4.6064878	-3.2281	-2.8582
20850	STAT5A	-3.20128		-2.78776		-3.89046			-2.563665	-1.7648	-2.84159

17127	SMAD3	-2.41986	-1.50512	-3.2485	-2.89924	-3.36171	-3.40858	-2.5979059	-3.465214	-2.3926	-2.81097
21413	TCF4	-3.63739	-2.15824	-2.85354	-2.27069	-1.61216	-2.39075	-2.9583077	-2.6467466	-4.6324	-2.79558
108655	FOXP1	-4.47536		-2.46578			-2.27556	-1.8688103	-3.1701777	-1.7092	-2.66082
12014	BACH2		-1.70842		-1.72293	-5.2211	-1.85714			-2.4031	-2.58254
97064	WWTR1	-2.71482	-1.72802			-2.45803	-2.61221	-2.723525	-2.1645248	-3.2238	-2.51785
241447	LASS6		-1.93214		-2.1127		-2.87153	-2.7145817		-2.9535	-2.51689
60611	FOXJ2	-3.01821	-2.04689		-2.88372	-2.6634	-1.95637				-2.51372
13709	ELF1	-2.14511		-2.124		-2.40687			-2.0803573	-3.5163	-2.45453
16391	IRF9			-3.68825	-1.68819	-1.73135			-3.4061675	-1.6542	-2.43364
76893	LASS2			-2.2389		-1.85157	-3.07679		-2.2179234	-2.6569	-2.40842
22025	NR2C1	-2.09434				-3.80342	-1.83061		-1.7660925	-2.0054	-2.29997
74570	ZKSCAN1	-4.05356		-1.54004		-1.62854		-2.4962175	-1.5524756	-2.486	-2.29281
13016	CTBP1	-2.19649		-2.42707			-2.32074	-1.9720143	-2.6154025	-2.0515	-2.26387
12013	BACH1		-1.98056		-1.51847	-2.56121		-1.72829		-3.2132	-2.20035
100047427	THRA	-2.48443		-2.15372	-2.06778		-1.80493	-2.0583987	-2.1384525	-2.2366	-2.1349
20848	STAT3		-2.26525	-1.94428	-2.01407	-2.46418			-1.9189646	-1.9802	-2.09783
72739	ZKSCAN3	-1.72995		-1.61357		-2.49625	-1.81001	-1.9147167		-2.957	-2.08692
16477	JUNB	-2.1593		-2.24373	-1.65543			-1.9739887	-2.4532795	-1.9165	-2.06703
71375	FOXN3	-1.74585		-2.29923		-1.97382		-1.9849814	-2.769749	-1.5496	-2.05387
20807	SRF		-1.60451		-2.01242	-2.55404	-1.51973		-2.3816576	-2.1782	-2.04176
22433	XBP1				-1.83769	-1.66806	-2.09026	-2.0758674	-1.6130501	-2.0356	-1.88676
217864	RCOR1			-1.70013	-1.85369	-2.17238	-1.73711		-1.6677037	-2.1782	-1.88487
320799	ZHX3	-1.73685	-1.52843		-1.70154		-1.76205	-2.5848649		-1.9249	-1.87311
23994	DAZAP2	-1.62368				-2.13839	-1.68169	-1.5550449	-2.2352455	-1.6857	-1.81996
78829	TSC22D4	-1.75351		-1.81105		-1.78023	-1.68469		-1.8658972		-1.77907
66671	CCNH	2.083487			1.914475		1.682973	1.9010292	1.8189089	1.57171	1.828764
75901	DCP1A	1.78			1.900875	1.699188	1.557524	2.0044541		2.18686	1.854816
20185	NCOR1	1.881872				1.982056	1.824866		2.109124	1.57082	1.873748
226442	ZFP281	2.298242			1.771784		1.849549	1.7994643	1.6853045	1.88684	1.881863
73274	GPBP1	1.912091			1.564363	2.778381	1.606656	1.7806519	1.7839838		1.904354
56070	TCERG1	2.288942		1.920244	1.870395	1.765353	1.533904		1.9154737	2.08342	1.911105

63856	TAF8	2.153635					2.181173	1.6596986	2.1422153	1.58806	1.944957
21339	TAF1A	1.68313	1.99367	2.220648	2.464087		1.594451		2.0222397	1.93095	1.987024
21341	TAF1C	1.941199		1.8741			1.501021	2.1225681	1.7204686	2.90347	2.010471
30046	ZFP292	2.429381			2.033647	1.833693	2.017315		2.1551518	1.69074	2.026654
30946	ABT1	2.174366		1.860393			1.71554		1.8463737	2.65833	2.051
22278	USF1		2.66457		1.797239		1.922109	2.2779555	2.103394	1.67876	2.074006
56458	FOXO1		2.55425		2.045303	1.744185		1.5746857	1.5209827	3.09503	2.089072
14390	GABPA	2.83082		2.236977	1.724611	2.307936	1.918171	1.7024388	2.2893312	1.70709	2.089672
545269	HDAC1	1.934478	1.60059	2.870769	2.28222	1.819278	1.538897	2.284665	2.2259386	2.3049	2.095748
26940	ECSIT		2.41729	2.135923			1.5266		2.0309777	2.44115	2.110387
268417	ZKSCAN17	2.027081		2.041107	2.2289	2.013207			2.2483633		2.111732
17527	GTF3C2	2.426395	1.5024		1.929516		2.214573	2.5072026		2.24292	2.137167
12566	CDK2	2.235105		1.6917	2.741777	2.305234			1.8520566	2.03599	2.143643
240442	ADNP2	2.970511			1.620294			2.1470056	1.5994782	2.38877	2.145212
227644	SNAPC4	2.208864	1.77149	2.038803	1.846513	4.162125	1.800888	1.7974817	1.9030138	1.80608	2.148362
21340	TAF1B	2.7662		2.03534				2.077431	2.2924805	1.6704	2.168371
68479	PHF5A	2.249257	2.22115	1.730398	2.5839	2.315335			1.5331627	2.84791	2.211587
12051	BCL3			1.70277		2.601006	1.667149	3.9467907	1.6774776	1.86134	2.242756
226747	AHCTF1	3.00316	1.70085	1.833455	3.599295	2.162825		1.7780197	1.7393913	2.12658	2.242948
11792	APEX1	2.592062		1.577108		2.893174	1.668313	1.8645976	1.5704644	3.58703	2.250392
21374	TBP	2.215222		1.904164	2.583334	3.352664	1.770773		1.8683273	2.07253	2.25243
23894	GTF2H2	1.683866	1.57311	2.453821	2.017026	3.732859	1.56285	2.2475357	2.7963912	2.2215	2.254329
13018	CTCF		1.90565	2.453075		2.228809	1.958746	2.673904	2.300847	2.54522	2.295179
50754	FBXW7	2.752042	1.60263			1.954975		2.4733753		2.72566	2.301735
19090	PRKDC			2.541477	1.548503		2.229127		2.2069933	3.01604	2.308427
29808	MGA	3.39372			2.017251	1.712279	2.863932		1.6140724	2.34849	2.324957
22646	ZFP105	2.244319	1.88915	2.593211		2.103585	1.782104	2.3564205	2.5071833	3.3359	2.351484
18813	PA2G4	2.443017	2.55379	2.226454	2.446442	2.724266		2.22395	1.8938153	2.3522	2.357992
65020	ZFP110	2.150206			2.755882		2.409406	2.896238	1.8060527	2.13908	2.359477
69260	ING2	1.813853	1.63696	2.370728		3.620357		2.119911	2.7359324		2.382956
22757	ZKSCAN5		1.9816	2.733274	2.353895				2.3576078	2.74122	2.433519

21815	TGIF1	5.189441	1.98987	1.680297	1.835961		1.505938	3.0973682	1.5164741	2.95132	2.470833
20683	SP1	2.630114		4.484562	1.658013		2.190161	1.934213	2.3311088	2.35736	2.512219
634967	TGIF2	2.117584	1.57054	2.614273	1.759015			3.0528576	2.6234508	4.03721	2.539275
99982	KDM1A	3.341237		2.841281	2.148332	2.633277	1.831271	2.4780488	3.1464336	2.2797	2.587447
22059	TRP53	3.132987	2.47921		2.138508	2.820735	1.770536	2.3463035	1.5506192	4.63321	2.609013
14534	KAT2A	1.542254	1.8602	2.837186	1.728204	6.005781		2.5957587	2.6592357	2.10455	2.666646
69890	ZFP219		3.11533	2.531711	3.254729	2.140469	2.785824	2.5151768	2.5197458	2.58429	2.680909
209357	GTF2H3		2.44892		3.263096	1.563515	2.592218	2.793391		3.62313	2.714045
217127	MYST2	2.986862			3.255727	2.90454	1.905243	2.0721142		3.38824	2.75212
18045	NFYB	2.04125	1.70226	3.109015	3.700791	2.880842	1.977703	2.7954886	3.4959755	3.14768	2.761223
70769	NOLC1	3.374489	2.47872	2.217241	1.898525		1.918968	3.8493557	2.3186038	4.04424	2.762518
101206	TADA3	2.499194				4.00599		2.8338	1.5595399	3.04535	2.788775
108961	E2F8	3.420076		1.852796			1.695394	3.968666	1.7835847	5.06622	2.964456
21780	TFAM	3.542687	1.7093	3.002637	2.582835	6.204271	1.687834	1.8065302	3.0374987	3.21717	2.976752
68153	GTF2E2		1.6991	3.630938		5.024481	1.884118	2.7197685	3.6232684	2.27501	2.979527
102162	TAF5L	2.248486	2.3742	2.426291	3.712166	6.621364	1.948482		2.581653	2.86392	3.09707
14885	GTF2H4	2.399477	2.24699		2.465716	5.800441		2.4369218		3.39792	3.124578
14106	FOXH1	3.888284	2.02498				2.988982	4.37653		2.50932	3.157618
83383	TCFAP4	2.67952		2.699098			1.681976	3.1593816	2.820577	6.36949	3.235007
116871	MTA3	1.520356	3.62896		4.579361	4.431166	2.204808	3.4258525		2.87367	3.237739
104394	E2F4	1.893375				7.385331	1.929013	2.3361266	2.560354	3.52874	3.272156
100046149	SUB1	2.750784		2.060725	5.878399			4.453579	1.7872328	2.7115	3.273703
57432	ZC3H8	3.053244	1.8691	2.968743	2.06528	4.43717	2.122803	4.3759837	3.1813889	5.4583	3.281335
21849	TRIM28	2.57814	3.70438	2.956623	2.917836	4.138278	2.280472	3.5900803	3.017531	4.46008	3.293713
14375	XRCC6	2.438454	1.84844	3.157118	1.992008	9.682896	1.854666	3.0461802	2.9583027	3.03082	3.334321
12396	CBFA2T2	2.129754			1.684865	8.460161	2.093565	2.9881485		2.68425	3.340123
211586	TFDP2	4.985893	1.87332	4.214963	2.016888	5.001486	2.898655	1.7969127	5.212225	2.12854	3.347654
20466	SIN3A	3.936515	2.25162	4.073876	2.952721	2.576413	2.171935	4.8319902	4.022831	4.59216	3.490007
19712	REST	3.268284		3.439545			2.7621	3.6993935	3.6440756	5.77378	3.764529
13813	EOMES	7.886858	1.5667				2.828648	3.784928		3.05031	3.823487
16600	KLF4	8.333697	1.94585	2.639327	1.845378	2.12002	5.184366	6.7111526	2.467194	4.93339	4.020042

14009	ETV1			3.281293			2.816142	4.7797484	2.8880115	7.41084	4.235206
195733	GRHL1	4.255835	3.86972		4.779213	7.596453	1.592349	5.3493724		3.65876	4.4431
226182	TAF5	5.558558	1.85062	4.175884	2.984084	8.534879	2.071043	4.520521	4.849756	5.62302	4.463152
71041	PCGF6	4.213186	3.76399	6.175713	6.00016	5.790268	3.138024	4.3723445	5.254395	5.09123	4.86659
18986	POU2F1	4.805594	1.77313	6.789368	4.660285	5.103406	4.352608	4.9266257	6.860164	4.99403	4.918357
14536	NR6A1	6.336103	5.46788		5.185113	9.227396	3.511236	5.6174536		5.11218	5.779623
21679	TEAD4			2.525511	1.80994	17.47375			2.3453777	5.3252	5.895957
104383	RCOR2	5.682113	5.29422	8.707456	3.703953	3.229824	9.316196	4.577936	5.240083	8.24641	5.999799
30927	SNAI3	1.633018	2.96185		1.758007	21.67608		3.0687568		5.84545	6.157193
21386	TBX3	15.32493			2.467851	5.84333	3.138266			7.88302	6.93148
667519	HMGB2	6.275385		7.099649		19.87058	2.312244	4.220383	7.6438274	3.6684	7.298639
11545	PARP1	6.644318	2.76725	6.385985	3.528445	21.07669	3.239176	7.0947328	7.2648997	8.70015	7.411295
16598	KLF2	10.21725	6.62079	10.77653	13.3015	3.101136	3.784582	5.3900967	10.79797	6.24647	7.804035
104156	ETV5	11.24354	8.59706		5.26009	4.66325	9.974575	11.754692		22.3882	10.55448
12224	KLF5	23.82076	4.53448	4.557004	2.848896	10.86122	3.690969	14.00001	3.3076077	28.5149	10.68176
21888	TLE4	3.729744	8.93268	6.097297	8.645103	9.331392	6.784439	21.293463	2.538456	34.8392	11.35464
21414	TCF7	8.658368				23.47488	2.912608	8.070319		15.4082	11.70488
230824	GRHL3	25.71756			2.008907	29.96135	5.132439	3.6317132		7.54767	12.33327
252973	GRHL2	5.714362	9.45466		16.66017	42.05449	3.669135	8.228101	9.872538	9.05285	13.08829
242705	E2F2	3.204203	1.63787	3.782343		114.1517	1.552981	4.692811	4.7827144	2.53412	17.04235
24074	TAF7	20.77343	1.8254	31.94001		29.99301	7.23818	25.52933	21.117508	26.4512	20.60851
13710	ELF3	6.316407	1.74591		1.745186	113.6322	1.829991	5.165087	32.71391	4.31655	20.93316
223227	SOX21	4.670728	1.54776		2.580994	110.6449				4.1153	24.71194
21420	TCFAP2C	11.65225	4.23781	74.10143	5.989411	26.35191	4.533889	7.191708	117.565094	9.39566	29.00213
18991	POU3F1		15.3321	40.89726	3.856005	58.08094			35.001026		30.63348
100047965	ETV2		4.99076	99.76995	2.485796	49.83837		2.5463953	61.42412	2.42862	31.92629
54139	IRF6	12.0893		24.75892		101.3281			23.449482	7.52063	33.82928
20849	STAT4	22.68508	3.80656	91.08024	3.603808	87.33646	5.534922	11.198053	80.92026	8.10284	34.91869
13799	EN2		2.72522	139.1984	1.951455	84.38297	1.908165	3.1291962	102.33998	5.17792	42.60166
18424	OTX2	65.87843	10.0751		14.66209	153.1279	11.47853	29.995604		13.1799	42.62821
332221	ZSCAN10	11.52178			3.575782	237.1052	12.57113	15.524352		25.94	51.0397

74469	TAF7L	3.617547	2.73645		4.30687	515.6612	2.456053				105.7556
22773	ZIC3	142.3832	24.7619	367.2155	3.51862	88.31965	17.67651	152.37053	106.33213	211.485	123.7847
81879	TCFCP2L1	238.6593	60.1548	369.2939	81.78631		16.4842	57.43578	125.16469	73.1615	127.7676
99377	SALL4	66.50214	16.9377	307.5126	39.92304	256.9775	17.83139	79.95828	243.50705	128.003	128.5725
14472	GBX2	21.76874	17.0023	340.3892	4.064466	897.781	4.157262	46.324417	323.11954	18.5181	185.9028
20674	SOX2	183.5448	8.53801	288.0891	10.72308	195.3371	44.89251	254.00487	242.26491	485.834	190.3587
18999	POU5F1	313.1114	60.2517	44.00372	45.97822	477.4586	68.13848	575.64703	117.83772	604.808	256.3594
26424	NR5A2	83.58562	13.1294	1127.632	5.473012	300.6989	11.06464	21.110224	859.5635	46.9592	274.3573
634428	NANOG	509.2211	14.7595	326.3679	9.220023	956.0219	50.378	273.9817	345.09256	324.181	312.136
11614	NR0B1	362.0913		872.3184			104.304	153.06088	707.46106	192.349	398.5974
Consensus Differentially Expressed DNA Repair Genes in Mouse iPSCs Compared to MEFs (expressed as fold change*)											
Entrez ID	Gene Name	Chen	Feng	Okita	Heng	Ichida	Kang	Sridharan	Takahashi	Zhao	Average
14051	EYA4	-28.9501	-2.00842			-2.01215	-4.92137	-18.933853		-36.437	-15.5438
74996	USP47	-2.73165		-1.65392	-2.60463	-2.22016	-2.45214	-2.4158087	-1.771611	-2.8521	-2.33775
24128	XRN2	1.814926		1.653744		1.897166			1.6565523	1.518	1.708077
107976	BRE	1.53633		1.577135		1.965693	1.538737	2.2325904	1.5615659	1.79605	1.744014
66671	CCNH	1.845043			1.726362		1.663102	1.8644669		1.73808	1.767412
100046628	NPM1	2.093754				1.810987		1.5624126	1.7498658	1.69402	1.782208
18950	PNP		1.7154		1.966307	1.595793	1.966687		1.5947627	2.0967	1.822608
11920	ATM	1.621349				1.732235	1.957938	2.090478		1.8026	1.840919
93762	SMARCA5	2.502713					1.547047	1.7513627	1.9259923	1.5108	1.847582
59026	HUWE1	2.521875		1.665555	1.581285				1.7154402	1.90743	1.878318
19356	RAD17	2.501967			1.542914		1.721464	2.110046		1.51613	1.878504
640972	CINP		1.80008	1.875716	2.221575	1.731664			1.8618541	1.93005	1.903491
23894	GTF2H2	2.075864	1.71193		2.167448	1.839526	1.712028	1.7691188	1.525697	2.42774	1.903669
27050	RPS3				1.582634	2.070338	1.625481		1.5293907	2.74083	1.909735
66165	BCCIP	2.206039	1.73451		2.078393	1.640468				2.08684	1.94925
26430	PARG	2.314723		2.072488	1.91244		1.595626	2.16364	2.0020132	1.87002	1.990135
56626	POLL			1.870524		2.291752		1.8329297	1.7027168	2.38729	2.017043
18861	PMS2	1.79413	1.70423		1.844898	3.226619			1.5681863	2.08485	2.037152

23559	TOPBP1	2.96573		1.589879	1.969196				1.74722	2.01384	2.057173
19090	PRKDC		1.51006	2.254115	1.633528		2.25787		2.180534	2.5768	2.068819
50505	ERCC4			1.806091	1.565993	1.848814		3.8440158	1.8635138	1.78767	2.11935
667950	SMC3	2.565928			1.973262		1.544991	2.4234734		2.18779	2.13909
24061	SMC1A	1.836076		1.668917	1.678628	3.742719			1.8070384		2.146676
245000	ATR	2.775057		1.70681				2.8986177	1.7342731	1.7592	2.174792
114741	SUPT16H	2.036178	2.1598		2.27065		1.597075	3.0286057	1.651745	2.69239	2.205206
22589	ATRX	3.395172			1.696832		2.442274	1.9011226		1.69199	2.225478
77805	ESCO1	2.896282		2.154942			1.534959	2.9182184	1.8426567		2.269411
104884	TDP1	2.372398		1.86605				2.0185363	1.8299088	3.27235	2.27185
17350	MLH1	2.435763		1.894318	1.658569	3.879859	1.963651		1.8193527	2.40048	2.293142
50776	POLG2				1.511755	3.681708	1.53716	2.1812298		2.62289	2.306948
545845	SOD1	4.380517	1.57562	2.237743	2.196131	1.52709	1.619359	1.9749802	2.1588569	3.25385	2.324905
57434	XRCC2	1.959479	1.73454		1.874375	4.182867				2.00259	2.35077
100041484	UBE2D3	2.248512		2.652808	1.710755			2.6856766	2.6829941	2.19355	2.362383
19687	RFC1	2.510661	1.87685	2.046634	2.411443	4.055877	1.574341	2.395372	1.876193	2.84495	2.399147
11792	APEX1	2.062027				2.952281	1.86589	1.9533939		3.20571	2.407861
668831	TTC5	2.115929		2.423055	1.59	4.274003	1.799401	2.2304823	2.3811388	2.52805	2.417758
11546	PARP2	2.910936	1.76982	2.585183	2.209279	2.423985	1.620602	2.6861634	2.586518	3.01558	2.423117
56371	FZR1	2.232177	1.64328	2.022992	1.75202	2.231697		4.2887034	1.8378807	3.484	2.436593
74335	XRCC3		1.90999	2.172781	1.704977			3.6705174	1.8490248	3.40245	2.451623
620986	RPA3	3.776002	2.3814	1.572199	2.438076	2.752559	1.877339	3.176622	1.6732144	2.84922	2.499626
27221	CHAF1A		2.20652	1.739344	2.512323	4.4162			1.6503965		2.504958
71991	ERCC8	3.612296	2.35163	1.773148	1.728633	3.193594			1.8471178	3.05143	2.508264
229543	INTS3	1.765042	1.69605		1.774523	3.578946		3.3587103		2.96036	2.522273
231642	ALKBH2	3.524218			1.547888	2.688688		2.320251		2.67631	2.551471
66403	ASF1A	2.818828				1.620593	1.939975	3.636558		2.75323	2.553837
15270	H2AFX	2.89908	1.83823	1.648135	2.211584	1.939522			1.5275497	5.96925	2.576194
22059	TRP53	3.216871	2.08696		2.269874	2.129655	1.873955	2.6911852		3.88027	2.592682
68275	RPA1	2.911621	1.94304		2.489416		1.512386			4.17357	2.606007
100044333	FANCL	2.957755	2.09105	2.951288	2.707241		2.000649		2.9077046	2.79509	2.630111

67439	XAB2	2.62285	2.11592		1.641833		1.961142	4.1151605	1.7972319	4.3372	2.655906
19355	RAD1	3.837774	1.95504	2.51193	1.823956	2.160067	2.454617	2.926835	2.184386	4.0638	2.6576
209357	GTF2H3		2.38481		3.098397	1.887631	2.597908	2.223622		3.81444	2.667802
66143	EEF1E1	6.940529	2.04482	1.993491	3.327836	2.445396	1.530258	2.3345027	1.8158791	1.60904	2.671305
22591	XPC	1.789784		1.916788		5.721592			1.8868078	2.11811	2.686616
14885	GTF2H4	2.627569	1.92769		2.465994	4.36265		2.2263541	1.8994113	3.49553	2.715028
18538	PCNA	3.48325		2.520361	2.826771	1.920311	1.723931		2.5272465	4.09258	2.727779
19362	RAD51AP1	4.426908	1.93003	2.474713	2.158201	2.472911			2.057573	3.60099	2.731617
67967	POLD3	2.719441	2.82092	2.425314	2.683178	4.494288	1.756705	2.6147883	2.417793	3.33032	2.806972
269582	CLSPN	2.449875	1.56744		1.647931	6.410654				2.05308	2.825796
22224	USP10	4.043244	2.16213		2.649118	3.188497	1.816822			3.42154	2.880225
269400	RTEL1	2.481204	1.51669		2.623989	4.558119				3.32132	2.900266
76843	DTL	5.083432			2.127963		2.000772	2.468853		2.89758	2.91572
269254	SETX	2.897931	2.788		3.581569		2.629023	3.4682126		2.394	2.95979
106344	RFC4	3.948553	2.02231	2.401008	3.088708	3.560838	1.902147		2.6068163	4.16675	2.962141
56210	REV1					3.518731	2.625715	3.0839431	1.6927807	4.0095	2.986134
18974	POLE2	4.675986		1.720989			1.550378		1.7277393	5.54644	3.044306
545124	TDG	2.33685		2.577761	1.617659	7.324377			2.629829	1.92208	3.068092
69928	APITD1	4.933474	2.16118	2.199183	1.993659	2.152388			2.4525993	5.71733	3.087116
110033	KIF22	5.19961	2.36907	2.068106	2.480462	3.057339			1.9615607	4.7082	3.120621
15574	HUS1	5.525497	1.88053	3.691068	2.083447	2.028427	1.704515		3.6573534	4.94105	3.188985
17766	NUDT1	3.140477	2.93794	2.950291	3.585622	2.933354	1.921091	3.606235	2.83642	4.79336	3.189421
17535	MRE11A	4.198223	1.66134		2.145304	4.88561				3.05827	3.189749
70603	MUTYH	2.357883	2.05116	1.645388	2.228094	11.90581	1.557263	1.7135092	1.5607078	4.07661	3.232936
14375	XRCC6	3.316422	1.8562	2.63942	1.95819	9.236538	1.647835	2.5940623	2.4228568	3.93959	3.290124
77011	5730590G19F	5.926381	3.17607	1.938221	3.62002		5.063377		1.6318777	1.86553	3.317354
26447	POLI	3.556133	1.76345	3.327794	1.559372	4.435713	2.979291	5.331966	3.7575452	3.59837	3.367737
110749	CHAF1B	4.257201	3.04817	2.178976	3.743618	3.505564	1.710349		2.150408	7.09442	3.461089
18973	POLE	5.455253	2.27508	2.358174	2.891881	5.072465	1.652321	3.665791	2.4822795	5.47953	3.48142
18971	POLD1	4.150487	2.98529	2.074375	3.774398	4.443545	2.023814	3.153332	2.2529986	6.58099	3.493248
231724	RAD9B	2.164876	3.69052	3.875784	2.969704	3.668001	3.565039	3.5935266	4.1719074	3.7657	3.496118

14156	FEN1	4.764348	2.51949		2.966106	3.677969	1.60895			5.64353	3.530066
218630	CCNO		1.89448		1.606965		1.602543	9.055726		3.90681	3.613305
12021	BARD1	5.654006	2.02149	5.351781			2.279582	3.0871632	4.251079	3.35387	3.714138
20174	RUVBL2	4.758521	4.02191	2.151356	4.348426	6.697427	1.697719	2.4869907	1.9462245	5.36011	3.718743
18972	POLD2	3.961564	2.18451	3.804745	2.459216	8.41202	1.570284		3.3748696	5.53284	3.912507
12144	BLM	6.806839	2.49948	2.283108	2.848207	4.851827	1.887855	6.1694937	2.2491505	5.68762	3.920398
12190	BRCA2	5.061292	3.00517	3.203932	2.703428	5.017695	2.620229	6.2339907	3.3308952	4.39251	3.952128
17193	MBD4	2.822019	2.03682	2.713302	2.149402	14.71193	2.313619		2.67657	2.41366	3.979664
545500	USP1	2.822937		1.883927	1.799791	13.56597			2.1565092	2.59035	4.13658
68058	CHD1L	5.22407		3.46808		5.250982	2.111316	3.824874	3.666981	5.46497	4.144467
16881	LIG1	5.077118	2.83788	3.203438	3.785933	4.063665	2.258603	5.32786	3.181246	7.71657	4.161369
26909	EXO1	9.188819	1.69574	2.336383			2.222961		2.231818	8.11818	4.298984
100047319	UHRF1	5.747701	1.62754	2.97615	2.307727	9.001414	1.763554		2.7030182	8.64374	4.346356
107986	DDB2	2.610791				9.352523	1.932468	2.6827958		5.22532	4.360779
18968	POLA1	8.175205		2.564197			1.828925	6.65901	2.6747632	4.34311	4.374202
211651	FANCD2	4.799097	2.67597		2.91029	8.554176	2.609869	3.9445992		5.57866	4.438952
19361	RAD51	5.895621	3.30851		3.424991	2.937807	2.543858			9.3105	4.570214
12649	CHEK1	4.569035	1.73282	2.63394		13.21754	2.359579	4.5421314	2.6789286	5.24649	4.622558
208836	FANCI	7.164318	2.75	2.746296	2.80301	10.13874	3.005322	2.768304	2.2812893	7.95252	4.62331
22596	XRCC5	4.043243		2.978187			4.122493	7.017136	2.8920646	7.1906	4.707286
235323	USP28	4.677735		5.508245		2.85059	3.403944	4.632524	5.576731	6.46907	4.731263
19891	RPA2	6.803832	3.59787	2.602228	4.41307	5.810536	2.776866		2.7427936	9.85268	4.824984
233826	PALB2	7.816431			3.196046		1.751914	4.6476154		6.77015	4.836432
93759	SIRT1	7.510338	2.76632		3.46455		3.930255	5.761394		5.67343	4.851049
72151	RFC5	8.110771	3.89752	2.632479	5.278747	2.841231	2.386651	7.444564	2.5638616	9.2891	4.938324
667519	HMGB2	5.933224		6.026825		5.34581	2.162977	5.07125	6.2360425	3.88069	4.950973
227099	PMS1	4.657069				10.73835	2.248534	4.063419		3.92333	5.126139
327762	DNA2	12.2727		3.404766			3.412468	4.8938675	3.1690724	3.66479	5.136278
72584	CUL4B	10.39958	2.75181		3.598129		2.834364	7.779378		3.67741	5.173445
67849	CDCA5	7.94844	4.29771	3.413711	5.356856	4.14989	3.545908		3.0934815	11.097	5.362879
19366	RAD54L	6.841043	3.54387	3.648119	3.632964	11.69203	2.314751	5.921303	3.8228283	7.96163	5.486504

114714	RAD51C	7.220995	2.04657		2.008406	5.893677	2.420905	4.0392594	11.416958	9.49248	5.567407
12189	BRCA1	9.234848		4.133045	1.722559		2.72191	6.093626	4.2865367	11.5955	5.683997
245555	C77370		2.10617		2.349435		3.217841	20.716444		2.30499	6.138975
623474	RAD54B	13.6269	3.33806		3.965758	3.927383		3.4566634		9.86439	6.363191
11545	PARP1	6.385677	3.9558	6.68141	3.355317	19.59092	2.866251	6.571724	6.6943293	8.17217	7.141512
22256	UNG	28.47667	4.8861	3.396859	3.556736	6.611375	2.812807	9.5398655	4.158398	12.0102	8.383226
71988	ESCO2	15.32787				4.121974	5.500459	11.195291	3.8800333	10.7923	8.469648
17688	MSH6	12.13758	7.04649	3.158565	8.13907	3.819291	5.40387	15.816566	3.3498816	18.1482	8.557721
17685	MSH2	11.15592	6.05706	9.301931	2.068978	18.76791	6.246841	8.872201	9.085772	17.1043	9.851212

Consensus Differentially Expressed Cell Death Genes in Mouse iPSCs Compared to MEFs (expressed as fold change*)											
Entrez ID	Gene Name	Chen	Feng	Okita	Heng	Ichida	Kang	Sridharan	Takahashi	Zhao	Average
21825	THBS1		-2.31351			-1386.14	-5.60098	-14.707965		-100.05	-301.762
18383	TNFRSF11B		-3.15591		-2.75667	-999.039	-7.0257			-11.23	-204.641
20715	SERPINA3G	-66.3358		-31.6368		-430.611			-24.79316	-7.5405	-112.183
16323	INHBA			-41.772		-517.986	-6.38559	-9.566937	-36.69225	-21.044	-105.574
20319	SFRP2		-5.19671	-172.002	-3.04835	-120.217	-3.15593		-170.22687		-78.9744
14465	GATA6	-2.86908	-5.15218	-139.01	-3.33116	-54.9455	-2.13928		-238.54797		-63.7136
240725	SULF1	-7.852		-53.1025		-170.987	-2.71184	-5.3698506	-55.708855	-3.076	-42.6869
20346	SEMA3A	-17.5338	-2.76248	-16.3865	-2.41938	-233.954	-12.8489		-21.045893	-13.433	-40.0479
14745	LPAR1		-2.17758	-11.6126	-1.66707	-234.843	-1.81521		-13.734089	-3.2834	-38.4475
21809	TGFB3	-40.187	-3.88966	-26.7775	-3.41775	-5.42976	-18.233	-105.10989	-30.197805	-112.36	-38.4001
13345	TWIST2	-10.2893	-7.50093	-25.9344	-5.32488	-214.323	-5.59806		-23.861225	-10.762	-37.9492
20296	CCL2			-3.88151		-153.804	-1.98257		-3.5550392	-3.2642	-33.2974
100048295	WT1		-3.95681	-45.3785	-3.75508	-6.20721			-103.71877		-32.6033
13617	EDNRA	-24.8863	-5.72562		-1.85028	-165.024	-4.57877	-5.9889836		-15.398	-31.9217
16000	IGF1		-8.19568	-62.7099	-6.74675		-2.52725	-2.4419746	-123.63816	-7.5937	-30.5505
53945	SLC40A1		-2.70879	-68.3891	-2.4829	-3.1242			-72.64515		-29.87
22418	WNT5A	-46.5281	-2.24744		-1.93157	-67.7386	-8.41801	-28.654325		-50.645	-29.4518
22253	UNC5C	-13.1593	-1.90386		-1.9459	-144.991	-4.91118			-2.2272	-28.1896
11826	AQP1	-21.6606		-8.52285		-95.8536	-3.15262		-9.6221695		-27.7624
16952	ANXA1	-19.7739	-2.24441	-5.45218		-29.0957	-10.8344		-5.3853493	-111.66	-26.3497
20563	SLIT2	-21.1406	-2.87752	-12.3733	-1.70752	-96.2184	-8.15833	-20.795488	-13.09687	-48.878	-25.0274
70676	GULP1	-7.50234	-2.37188	-11.4933	-1.82631	-159.892	-4.57703	-9.46146	-12.590145	-10.727	-24.4935
18787	SERPINE1			-11.8741			-10.1678	-8.514166	-11.597943	-79.45	-24.3208
14234	FOXC2	-22.1469		-18.3788		-30.621	-6.59305		-17.40281	-49.203	-24.0576
14219	CTGF		-2.14189	-2.99038	-1.6489	-147.254	-3.98153	-7.5303698	-2.8119974	-18.177	-23.317
20698	SPHK1	-4.16501	-1.67096	-19.1982		-127.071	-1.50142	-6.3410134	-14.263029	-8.5042	-22.8394
58194	SH3KBP1	-7.04792	-2.4209	-3.2459	-1.63649	-123.54	-6.72568		-3.1806886	-31.326	-22.3904
18783	PLA2G4A	-9.75756		-8.79024			-5.68548		-8.530297	-76.755	-21.9036

14600	GHR	-41.0791	-3.62791	-6.92845	-2.30898	-73.9166	-8.83696	-18.912962	-6.121513	-31.934	-21.5185
16007	CYR61		-3.99804		-2.70457	-88.9623	-3.85335	-12.461206		-11.069	-20.5081
50490	NOX4		-1.67374		-1.55057	-83.5033	-2.11392			-5.15	-18.7983
16985	LSP1	-16.5519		-25.2616			-12.4312	-17.752813	-26.420311	-14.016	-18.7391
20583	SNAI2	-32.0978	-2.17552	-24.292	-1.7741		-7.80921	-9.918782	-23.048643	-47.11	-18.5282
26362	AXL	-26.8788	-2.65545	-3.95386	-2.2666	-8.70053	-15.2231	-21.179377	-4.234691	-69.688	-17.1978
232146	FAM176A		-2.08764	-35.033	-1.53047			-4.3813877	-38.370792		-16.2807
17260	MEF2C	-32.0462	-2.79946		-1.70464	-35.8503	-3.11697				-15.1035
17300	FOXC1	-37.3395		-10.2141		-13.9232	-6.34929	-7.8372416	-10.237517	-16.056	-14.5652
17390	MMP2	-43.5339	-3.39049	-21.9064	-2.85211	-5.31307	-3.97765		-23.609304	-11.679	-14.5327
21808	TGFB2	-50.3659	-2.56458		-2.10802	-3.34902	-5.10527	-9.222856	-3.4747367	-30.233	-13.303
11820	APP	-22.0989	-2.44537		-1.73957	-5.24852	-4.887			-42.804	-13.2039
11747	ANXA5	-26.2407	-1.97589	-5.47396		-9.03385	-8.06253		-5.5615635	-35.174	-13.0747
227753	GSN	-24.3172	-1.51714	-9.39658	-1.60317		-4.87583		-8.539596	-41.197	-13.0638
71712	DRAM1	-7.65224	-3.9452	-10.6343	-3.73664	-57.5265	-1.52386		-8.884278	-1.8132	-11.9645
14451	GAS1			-19.7521			-3.08055	-4.6864743	-21.590239	-5.8023	-10.9823
13649	EGFR	-19.8781	-4.84277		-1.54266		-5.64401			-22.212	-10.8239
107449	UNC5B		-1.77615	-23.622	-1.60883	-10.8184	-5.04249	-10.276234	-26.55344	-5.689	-10.6733
15402	HOXA5	-56.3391	-4.59613	-3.01928	-4.47577	-7.67988	-4.27754		-2.856157	-1.8238	-10.6335
22160	TWIST1	-26.1467	-2.74032	-13.4027	-2.46934	-9.67977	-4.54689	-5.523389	-16.26495	-8.5067	-9.92008
17967	NCAM1	-9.66325	-3.37534	-17.4726	-4.81618		-7.31579	-4.624562	-15.921887	-11.713	-9.36277
100044205	CASP12	-23.1299		-5.04818	-1.50241		-3.84251	-9.040513	-5.1608067	-17.745	-9.35279
14066	F3		-6.27945	-11.1203	-4.13464		-6.55386		-12.517454	-15.221	-9.30445
23967	OSR1	-26.0115	-3.6265	-6.14612	-3.79364		-3.69473		-5.2314777	-13.755	-8.8941
216795	WNT9A	-3.54524		-16.8313	-3.72722				-18.04933	-2.1272	-8.85607
14239	FOXS1			-8.34373		-13.976	-2.16693	-10.910847	-9.52681	-8.1637	-8.84801
23882	GADD45G		-2.90278		-2.49695	-9.03998	-6.23901	-14.851987		-13.566	-8.18275
66725	LRRK2	-6.14545		-3.49953	-1.51757	-33.1969	-3.07987	-8.164302	-3.4529464	-5.1088	-8.02067
19876	ROBO1			-13.3273		-2.14375	-1.58202		-18.934603	-2.6402	-7.72556
27279	TNFRSF12A			-4.30778		-17.9922	-5.69582		-4.4236026	-5.2451	-7.5329
67454	IKBIP	-6.51431		-5.01136	-1.60436	-15.342	-4.36014	-7.6890535	-4.5654387	-11.012	-7.01233

223453	DAP	-12.0629	-1.73198	-4.42151		-9.53191	-4.62814		-4.7231708	-11.133	-6.89033
13198	DDIT3		-4.76962	-3.22771	-3.68977	-12.1115			-3.3163726	-10.356	-6.24515
228775	TRIB3		-5.15633	-10.4307	-4.0043	-1.69627			-10.951078	-4.1012	-6.05664
108960	IRAK2		-1.94946	-5.91611	-1.53917	-16.6568			-5.9279137	-3.6139	-5.93388
107503	ATF5		-5.08882	-4.95529	-4.05819	-8.7842	-1.80347	-3.0834105	-5.383538	-12.64	-5.72455
21803	TGFB1			-5.94257			-3.0791	-6.784239	-6.141992	-6.6289	-5.71535
23871	ETS1	-8.74264	-1.5509		-1.73407	-14.6634	-5.40788	-5.2018747		-2.6104	-5.7016
12370	CASP8	-16.6198	-2.72717	-2.41256	-2.26375	-1.58586	-6.05552		-2.6080427	-11.065	-5.66721
73181	NFATC4	-3.26963	-2.68007		-2.51498	-25.067	-2.12622	-2.211219		-1.7392	-5.65832
18750	PRKCA	-8.23649	-1.75063	-8.45512			-4.22854	-4.340963	-7.3475466	-4.5112	-5.55292
21817	TGM2	-3.45878	-4.37253		-3.64361	-11.9053	-1.7745			-8.1137	-5.54475
21937	TNFRSF1A	-10.9148	-3.11419	-3.66635	-2.51081		-5.24154	-5.6483955	-4.245395	-8.7703	-5.51397
18611	PEA15A	-6.96218	-3.27967	-5.41316	-2.37518		-6.31802	-5.504219	-5.490722	-7.692	-5.3794
72512	TMEM173	-5.96236	-1.98926	-2.50594	-1.85445		-8.86567	-12.820232	-2.5221946	-5.7486	-5.28359
12421	RB1CC1			-2.72378			-1.7407	-5.076484	-2.8130302	-13.574	-5.18565
14268	FN1	-4.59472		-6.55173			-2.72244		-5.823965	-6.1698	-5.17254
67468	MMD	-7.184	-1.71043	-4.71276		-4.20479	-3.82083		-4.601767	-9.1678	-5.05748
56312	NUPR1			-2.49736		-2.70472	-2.00101		-2.2893949	-15.733	-5.04505
15903	ID3	-8.63984	-1.75747		-1.8721	-8.87983	-3.69319			-3.7021	-4.75743
17000	LTBR	-8.66738	-2.21896	-4.78456	-2.09593		-3.3128		-4.75306	-7.1676	-4.71433
69065	CHAC1		-6.31153	-4.44889	-4.33181				-4.296	-4.1247	-4.70259
54447	ASAH2	-9.44543	-1.52035			-4.58214	-1.69955		-1.5813196	-8.8713	-4.61668
621824	ILK	-5.85299	-3.55798	-2.63682	-2.68382	-3.63069	-5.75103	-5.798104	-2.4557936	-9.1718	-4.61545
11852	RHOB		-2.60875		-2.22529	-7.14028	-3.8656	-4.1076736		-7.2723	-4.53664
14456	GAS6	-8.99043	-1.88764	-2.83895			-1.73889	-8.785309	-3.4539816	-3.9649	-4.52287
20677	SOX4	-8.0399	-2.36742	-7.30712	-2.10859		-2.94434	-3.6160185	-6.7715974	-2.2518	-4.42585
56532	RIPK3	-6.35564		-3.03054			-2.99951	-5.8440866	-2.9552753	-5.1149	-4.38332
16412	ITGB1	-4.28879		-2.58234	-1.5586	-6.01077	-3.48302	-5.2385216	-2.414641	-9.1393	-4.3395
213539	BAG2		-2.54116		-1.97435		-3.71359	-7.874297		-5.5443	-4.32955
21857	TIMP1			-2.27415		-2.45457	-4.49747		-2.2839682	-8.59	-4.02004
12257	TSPO	-5.1869	-1.85823	-2.39961	-1.82976		-3.03746	-9.9116955	-2.2716787	-5.6165	-4.01397

18008	NES			-5.42693	-1.83141	-4.11396	-5.26637		-4.997117	-2.0606	-3.94939
20682	SOX9	-4.66721	-5.68387		-4.66454		-1.86799			-2.5744	-3.89159
20312	CX3CL1	-3.51764	-1.67654	-2.48063			-3.77987	-7.6368423	-2.4157984	-5.5395	-3.86384
20846	STAT1		-3.6659	-6.02829	-2.96095	-3.35852			-5.3895946	-1.5659	-3.8282
12151	BMI1	-5.21386	-2.35268		-1.81347		-2.6859	-2.2216897		-8.494	-3.79694
12580	CDKN2C		-2.54691		-2.33901		-2.00048	-6.7408338		-5.1554	-3.75653
64294	ITM2C	-8.31828	-1.71379	-2.04745			-2.37094		-2.016573	-5.1884	-3.60924
13614	EDN1				-1.57826	-9.91155	-1.91419	-2.7108684		-1.8111	-3.5852
100047666	AKT1	-4.62858		-1.91056			-4.2519	-4.6316214	-1.714965	-4.1191	-3.54279
98267	STK17B			-3.15662		-7.3717	-1.55949	-2.3113832	-3.1637871		-3.5126
16452	JAK2	-3.97303	-3.07078	-1.68432	-2.63972	-5.39801	-4.18382	-3.91985	-1.770535	-4.6409	-3.47566
16004	IGF2R		-3.62442	-3.46545	-2.85104	-3.77482	-2.91761		-3.2868733	-4.1644	-3.44066
11787	APBB2	-3.41924	-1.81255	-4.79239	-1.53131	-3.98177	-2.91827	-3.3027873	-4.507007	-4.4876	-3.41699
29810	BAG3	-3.40631				-4.89795	-3.14793		-2.0847352	-3.5207	-3.41152
20377	SFRP1		-5.05564	-3.09594	-4.61397	-2.54582	-2.25588		-2.8031707		-3.39507
66940	SHISA5	-8.58266	-1.82546	-2.20558	-1.54211	-2.08562	-2.63344	-3.7824125	-2.4479296	-5.4184	-3.39152
12053	BCL6		-2.47143		-2.07174		-2.0726	-5.6008444		-4.6291	-3.36914
14283	FOSL1	-4.69026		-2.47104			-3.33925		-2.5581555	-3.4117	-3.29409
100102	PCSK9	-3.24546	-2.85939	-3.87067	-2.98177				-3.4818897		-3.28784
22339	VEGFA		-3.83589	-2.58185	-2.66665	-1.91731	-1.85586		-2.3295162	-7.5946	-3.25453
14634	GLI3	-7.96807		-2.0291	-2.50402		-2.89929	-2.8993201	-2.0471556	-2.3805	-3.24677
54673	SH3GLB1	-6.64917	-2.59672		-2.09417	-1.54146	-2.92491	-2.3328161		-4.3789	-3.21688
100042453	BLCAP	-2.81453		-2.84905		-4.97201			-2.7129478	-2.5223	-3.17417
18708	PIK3R1	-4.35414			-2.07571	-4.2584	-1.97162			-3.1284	-3.15764
13030	CTSB	-4.8991	-1.72361	-3.00778		-3.36873	-2.08338		-2.8116944	-3.7953	-3.09852
15251	HIF1A	-2.11256		-3.20127		-3.80001			-3.3499978	-2.9795	-3.08866
21898	TLR4	-4.7957		-3.29986	-1.83873		-1.95229	-3.2911677	-3.161592		-3.05656
11477	ACVR1	-3.23412	-3.20732		-2.74709	-1.94163	-3.42208	-3.5364285		-3.2927	-3.05448
15234	HGF	-2.52822	-2.50072		-2.45853		-2.73954			-5.0277	-3.05094
100042085	BCL2	-1.8948	-2.16392		-1.93407		-2.26413	-8.3082075		-1.7047	-3.04498
20910	STXBP1	-3.22406	-1.72707	-3.02617		-3.78103	-2.9493	-3.8235605	-3.121071	-2.671	-3.04041

632287	PLEKHF1			-3.85899		-2.20635	-3.39882		-3.950407	-1.6909	-3.0211	
12450	CCNG1	-4.22338		-2.23308		-2.28969			-2.084199	-3.7641	-2.91888	
12608	CEBPB		-2.81152	-2.39292	-2.29138	-2.88072	-1.72467		-2.665325	-5.5042	-2.89582	
17874	MYD88	-5.3618			-1.8128	-2.21667	-2.3045			-2.7452	-2.8882	
101497	PLEKHG2	-4.93361	-1.76872	-1.54303	-2.08495	-1.67293	-2.90303	-5.9713902	-1.6462755	-3.2736	-2.8664	
18793	PLAUR			-2.21446		-3.76779	-4.20786		-1.9626814	-1.8755	-2.80566	
56722	LITAF		-2.25356	-2.21927		-1.5828	-2.43268	-5.2217536	-2.114528	-3.7991	-2.80339	
14595	B4GALT1	-2.00392		-4.3081		-2.02647	-2.34443		-3.9832158	-2.1289	-2.79917	
70527	STAMBP	-3.18772	-2.94517		-2.35279		-2.70939	-2.7882195		-2.768	-2.79188	
20597	SMPD1	-5.7138	-2.10213	-2.2013	-1.59241	-1.67068	-3.09338	-3.071693	-2.255107	-3.2542	-2.77274	
223701	MKL1	-3.45944		-3.48797				-1.88983		-3.0083692	-1.8164	-2.73241
100042851	SMO	-3.39147	-2.95959		-1.81501	-3.40532	-3.57813	-2.006966		-1.8636	-2.71715	
81535	SGPP1	-2.38673	-2.13642		-1.92385	-1.99975	-2.39934	-2.1192336		-5.8891	-2.69348	
22337	VDR		-3.05706		-2.92394		-1.63254	-2.6791778		-3.0118	-2.66089	
54411	ATP6AP1			-1.94214		-3.54705	-2.68867		-2.124847	-2.9925	-2.65905	
13924	PTPRV		-2.39188	-3.46824	-2.27412				-3.3412213	-1.7967	-2.65444	
94275	MAGED1	-3.07923	-2.75832	-2.19373	-2.19214	-2.47322	-2.69897		-2.5502243	-2.8367	-2.59781	
67171	DRAM2	-2.05292	-2.26473		-1.59775		-2.00649			-5.0571	-2.59579	
109815	H47	-2.41003	-1.98585		-1.74119	-2.05469	-2.28033	-3.045986	-1.5447024	-5.2575	-2.54003	
15468	PRMT2	-2.46523	-2.3349	-3.27978	-1.95904	-3.29553	-2.15381		-3.0767365	-1.6207	-2.52322	
11432	ACP2	-4.14659	-2.1924	-2.16039	-1.85778	-3.2875	-1.70171		-2.3189595	-2.2362	-2.48769	
12175	BNIP2	-3.72706	-2.23277	-1.58528	-1.66057	-2.21256	-2.64932		-1.6320584	-3.9052	-2.45061	
66854	TRIM35	-3.55247	-1.63044	-2.41803				-2.57276	-1.6869575	-2.3871987	-2.894	-2.44883
20439	SIAH2		-1.60535	-2.50004	-1.60175			-1.5437673	-3.2727234	-4.0746	-2.43304	
27280	PHLDA3	-3.30715		-2.30372		-2.68124	-1.96466		-2.109739	-2.169	-2.42258	
208117	APH1B	-2.37517	-1.6785	-2.34818		-4.28061	-1.85154	-2.3430552	-2.4969172	-1.8116	-2.3982	
74996	USP47	-2.73165		-1.65392	-2.22016	-2.60463	-2.45214	-2.4158087	-1.771611	-2.8521	-2.33775	
19697	RELA	-3.66453	-1.85718			-1.63944	-2.07188	-2.447627		-2.2478	-2.32141	
54683	PRDX5	-2.16505		-3.08644		-1.91032	-1.51529	-2.309301	-3.2170823	-2.0141	-2.3168	
19106	EIF2AK2		-2.65471	-1.67611	-2.16604	-3.05976				-1.9044	-2.29221	
17127	SMAD3	-2.10185	-1.91777	-2.23406		-2.2755	-2.65428	-2.3951516	-2.5079954	-2.2285	-2.28938	

56462	MTCH1		-2.2177		-1.7104	-2.95642	-2.45393	-2.415043	-1.610937	-2.5168	-2.26875
51800	BOK		-1.85686	-1.8271		-3.52142	-1.72951	-2.8722684	-1.7906575		-2.2663
106869	TNFAIP8		-1.93573	-1.69249		-3.29572	-2.22188	-3.160896	-1.5467387	-1.9743	-2.2611
98170	TMEM132A	-2.99783	-2.23907		-1.67115	-1.90459	-2.4006	-3.1176543	-1.5151991	-2.0823	-2.24104
140579	ELMO2	-2.28909				-3.90613	-1.55751	-1.6694324		-1.7225	-2.22893
100047427	THRA	-3.17334	-1.99879		-1.84321		-1.74746	-2.43263		-1.9959	-2.19855
19766	RIPK1	-2.88319	-2.03335		-1.54667	-2.69298	-1.83657	-1.7407069		-2.5824	-2.18798
12050	BCL2L2	-1.64117	-1.97121		-1.68393	-2.42355	-1.73642	-3.3501701		-2.4112	-2.17394
218335	CLPTM1L	-2.81742	-1.78587	-1.66759		-1.52338	-2.23746	-2.83236	-1.7196022	-2.5431	-2.14085
19353	RAC1	-2.64264	-2.03136			-2.34371	-1.655	-2.1229641		-2.0443	-2.14
64143	RALB				-1.64773	-1.51368	-2.10391	-2.5571647	-2.8127763	-2.1591	-2.1324
13010	CST3	-2.52192	-1.53037	-1.97603			-2.00902	-1.9245007	-2.3105628	-2.5913	-2.12339
218397	RASA1	-1.72006		-1.94971			-1.71611		-2.2172263	-2.9636	-2.11334
75695	RILPL1	-2.82157		-2.10988				-1.895994	-2.018362	-1.6418	-2.09753
14827	PDIA3	-2.26561	-1.90684	-1.89257			-1.55587	-2.7214904	-2.1456032	-2.1004	-2.08406
106759	TICAM1	-2.01209		-2.41724	-1.83699			-1.782823	-2.3604896	-2.0897	-2.08322
14682	GNAQ	-2.13139	-1.57525				-2.35875	-2.2235308		-2.0835	-2.07448
71609	TRADD	-2.87503	-1.9153		-1.64019			-2.3239725		-1.6067	-2.07225
18753	PRKCD		-2.54218		-1.83883	-1.79479	-2.00819	-1.8479531		-2.1848	-2.03613
100048879	PACS2	-1.64752	-2.07059	-2.33188		-1.63576	-1.82961		-2.6378927		-2.02554
16150	IKBKB	-2.74831			-1.60349		-1.5582	-2.0893667		-2.1206	-2.02399
54401	YWHAB	-1.73753		-2.22177		-1.53969	-1.69828		-2.251343	-1.8357	-1.88072
14828	HSPA5			-1.91316		-1.52729	-1.70926	-1.9472018	-1.9127407	-1.7255	-1.78919
21766	TEX261	-1.86831	-1.64711	-1.57685		-2.10598	-1.83203		-1.6235137	-1.8013	-1.77931
21812	TGFBR1		-2.07054		-1.67897	-1.89181	-1.88057	-1.5259032		-1.6168	-1.77743
18706	PIK3CA	-1.63017				-1.64229	-1.77062	-1.9591327		-1.8782	-1.77608
74168	ZDHHC16		-1.61394	-1.61797			-1.93013		-1.7767783	-1.8314	-1.75405
66437	FIS1	-1.74875		-1.54678		-1.69584	-1.5054		-1.5406529		-1.60749
26931	PPP2R5C	1.712409		1.870299	1.707531			1.5750815	1.647717	1.54859	1.676938
110157	RAF1	1.510993				2.002422	1.683547	1.7444729		1.75842	1.739972
72567	BCLAF1	2.020951		1.685977	1.61893	1.560529		1.6203669		1.93998	1.741122

107976	BRE	1.53633		1.538737		1.965693	1.796046	1.5771347	2.2325904	1.56157	1.744014
637273	PRDX1		1.79455	1.838731	2.000457		1.850509		1.5724267		1.811334
20662	SOS1	1.617154					1.637964	2.212328	1.693623	1.91887	1.815988
18950	PNP		1.7154	1.966687	1.966307	1.595793	2.0967			1.59476	1.822608
11920	ATM	1.621349		1.957938		1.732235	1.802597		2.090478		1.840919
83945	DNAJA3			1.58653	1.782657	2.235961	2.191076		1.5304546		1.865336
214952	RHOT2	1.631537	1.64295		1.927628	2.08197	2.495296	1.7231901		1.613	1.873652
27050	RPS3			1.625481	1.582634	2.070338	2.740833			1.52939	1.909735
22333	VDAC1	2.054168	1.70053			1.934522	2.616023		1.761128	1.57705	1.940571
545269	HDAC1	1.91617	2.37563	1.56038	1.832642		2.082646		1.8765559		1.940671
106021	TOPORS	1.853798	1.71391	1.963515	1.933117		2.008262		2.238822		1.951904
14084	FAF1	2.49791		1.600463	1.713333		2.184123		1.956112		1.990388
66830	NACC1	1.548018	1.92412	1.917071			2.454849		2.117111		1.992234
97541	QARS				1.584766	2.987146	1.870441	1.5651017	2.0556316		2.012617
109801	GLO1	1.897483	2.07985		2.676611	1.766978	1.721089				2.028403
107047	PSMG2	2.352751	1.55993		1.928569	2.160604	2.267253	1.764225	2.3977149	1.89429	2.040667
72119	TPX2	2.900116			1.918919	1.562253	2.379061		1.5063087		2.053331
19090	PRKDC		1.51006	2.25787	1.633528		2.576802	2.2541153		2.18053	2.068819
18746	PKM2		2.39464		2.399123	2.1196	1.908812	1.590317			2.082499
232679	ZC3HC1	2.337719	1.91314	1.821128	2.38008	2.151241	2.41187	1.512043	2.7546499	1.54685	2.09208
100040259	MIF		2.48477		2.804918	1.606741	1.602703	2.1432939		2.01649	2.10982
623273	ALMS1	1.908616	2.08399	2.393881	1.696826				2.4953125		2.115725
19192	PSME3		1.93056		2.256732	1.948587	2.220306		2.3217695		2.135592
11803	APLP1		2.41902	1.933347	1.973448		2.781612			1.57941	2.137367
13163	DAXX	2.025783	1.84882	1.805798	1.992203	1.527615	2.949268		2.8127449		2.137462
21844	TIAM1	1.832418	2.18846		2.570631	1.820599	1.722413	2.3887749		2.45498	2.139753
67039	RBM25	2.815493		1.662591	2.082458			1.8782108	2.6708877	1.73558	2.14087
18518	IGBP1	1.931903			1.67828	3.020177		1.8275794	2.532228	1.88557	2.145956
57320	PARK7		1.62161	1.545893	2.155422	1.966808	3.068942		2.6452267		2.167318
103784	WDR92	2.126958	1.74948	1.624701		3.165142	2.031864		2.3452165		2.173893
17248	MDM4	2.09868		2.042979			1.678476	2.6169589		2.5779	2.202999

632101	MCL1	2.315131	1.88035	1.714649	2.314035		2.799928	1.9796884	2.438065	2.19638	2.204778
15452	HPRT		2.23034	1.663927	3.199071	2.139911	1.858169		2.198473		2.214982
100047971	PTMA			1.627309	4.005981	1.924217	2.045076	1.8542267		1.83345	2.215043
23856	DIDO1	1.63142		1.576884		2.923029	3.788511	1.8505973		1.5657	2.22269
14367	FZD5	3.048183	2.079	2.370296	1.629683	1.665975	2.380522		2.4256587		2.228474
18567	PDCD2			1.699936	2.109431	1.979579	2.550737		2.8614464		2.240226
11797	BIRC2	1.718957		1.901807		1.863537	2.232366	3.1605144		2.66052	2.256284
71777	ING3	2.283316		1.777958	1.820284	2.132748	2.884206		2.7311683		2.271613
66642	CTNBL1	2.267262	1.94113	1.636497	2.541379	2.265668	3.084027	2.1787539	2.5502183	2.12859	2.288169
17350	MLH1	2.435763		1.963651	1.658569	3.879859	2.400479	1.894318		1.81935	2.293142
105782	SCRIB	2.327776				2.277452	3.353642	1.7622622		1.87778	2.319781
545845	SOD1	4.380517	1.57562	1.619359	2.196131	1.52709	3.25385	2.2377434	1.9749802	2.15886	2.324905
14155	FEM1B	3.218994	2.4029	1.652163	2.629572	2.060776	2.261393	2.2480736	2.3157027	2.14726	2.326315
19268	PTPRF	2.394638		1.754752		2.563695	2.551818	2.459957		2.33748	2.343724
57434	XRCC2	1.959479	1.73454		1.874375	4.182867	2.002588				2.35077
100041484	UBE2D3	2.248512			1.710755		2.193551	2.6528077	2.6856766	2.68299	2.362383
74018	ALS2	2.083206	1.56857		1.685953	3.479571	2.649208		2.8663108		2.388804
14534	KAT2A	1.748609	1.55457		1.803357	4.377666	2.098645	2.6075	2.5244038	2.52813	2.405361
103199	FIG4	2.293964		1.903384			2.476085	2.4644675	3.0373552	2.34949	2.420791
65020	ZFP110	2.076789		2.257116	2.440994		2.285453		3.1104548		2.434161
18226	NUP62	2.89991		1.535631	2.295337	2.742019	3.02853	2.115845	2.7687328	2.15634	2.442793
671392	SET	3.232599		1.988655	1.570898	3.551547	2.978745		2.233973	1.74443	2.47155
217558	G2E3	3.374044	1.66972	1.694815	2.627513		3.039834		2.4428535		2.474796
667182	DNAJB6	4.67795		1.593106	2.244989		1.720083		2.1445835		2.476142
108000	CENPF	4.403076	1.57789	1.834839	2.528241		3.346111	1.9387615		1.91283	2.505964
12905	CRADD			1.815327			3.153322	2.5617988	2.382368	2.73647	2.529856
26401	MAP3K1	3.37509	1.62395		2.128379	2.572241	3.049437				2.549819
78797	NDOR1	2.693454		1.72603	3.277199	1.99151	3.108237				2.559286
22059	TRP53	3.216871	2.08696	1.873955	2.269874	2.129655	3.880272		2.6911852		2.592682
56749	DHODH	2.955217	2.76693	1.643677	3.117176	3.193119	4.338739	1.5945318	2.4693406	1.57268	2.627934
12534	CDK1	3.60929			1.725296	3.158853	2.953997			1.77292	2.644071

27401	SKP2		1.93707		2.708106	3.991432	3.038887		2.6490195	1.61466	2.656529
66143	EEF1E1	6.940529	2.04482	1.530258	3.327836	2.445396	1.609039	1.9934914	2.3345027	1.81588	2.671305
56150	MAD2L1	4.054641		1.56946	3.667471	1.891673	3.307773	2.1709158		2.04585	2.67254
243910	NFKBID	2.714913	3.08497		3.190964	2.437022	3.207261		1.8404977		2.745937
252870	USP7	2.986496	2.90072	2.139907	1.763631	2.906194	4.099308		2.6264179		2.774667
14630	GCLM	1.974614	2.38372	1.654338	2.766296		6.197413			1.69553	2.778652
21379	TBRG4	3.906398	2.5727	1.653592	3.030117	2.701737	3.169423				2.838995
12301	CACYBP	3.96407	2.99812	1.605879	3.997537	1.588357	3.139058	2.8886807		2.71264	2.861792
12752	CLN3			1.748812		1.619143	6.718941	3.0309465	1.8064911	2.66246	2.931132
12236	BUB1B			1.571346	2.795023	2.864838	5.46972	2.3560128		2.62766	2.947433
11799	BIRC5	3.123992	1.91325		2.502453	3.546745	3.717481				2.960784
140580	ELMO1	2.382954	1.58308	2.874758	4.159055	6.167424	1.685315		1.8841511		2.962391
67384	BAG4	5.47497	1.78429	1.923083	2.010564		3.794695		2.79163		2.963206
20466	SIN3A	3.650032	2.32873	2.278558	2.882716	2.558167	4.831345		3.7713916	1.54683	2.98097
26399	MAP2K6		1.58108	1.646059			6.156179	2.784912		3.04509	3.042664
12122	BID		2.73177	1.963822	2.932222	4.011117	3.605775				3.048942
18712	PIM1	4.881325		2.027561	1.724663		4.314231		3.5962083	2.26014	3.134021
50996	PDCD7	3.588813		1.751914			4.88843		3.929366	1.63733	3.159171
12822	COL18A1		1.69174	1.858365	2.028765		5.547486		4.7274756		3.170765
56353	RYBP	3.388337	2.07754	1.895602	2.535124		2.721575	4.7049613	4.902919	3.29174	3.189724
20656	SOD2	4.912906	2.76156	2.873001	3.301267	2.813639	2.994891	3.0029302	3.0545604	3.1376	3.205816
53975	DDX20	4.304288	3.10367	1.939918	3.326066	1.907361	4.076566		3.9210467		3.225559
13836	EPHA2		2.93602	1.813741	2.490656	1.908418	7.825629		2.465109		3.239929
57432	ZC3H8	4.227399	1.79575	1.84715	1.59181	4.132476	5.447435		4.5921717		3.376313
50883	CHEK2	4.09088	1.93872	5.695355	1.759269	4.514062	4.825558	2.2739453		2.03297	3.391345
269424	PHF17	6.376852	2.61414	3.319857	3.022918		1.991		3.227763		3.425421
13605	ECT2	6.64241		2.13758	1.986214		4.206981	2.934446		2.69625	3.43398
21973	TOP2A	5.875441	2.23253		2.997692	5.652096	2.664353			2.02367	3.574297
16403	ITGA6	6.359358			2.090096	1.600079	7.77529	2.1103122	3.1852028	2.02407	3.592058
26941	SLC9A3R1		2.05881	2.918323	2.492188	4.418098	2.453223	6.251585	2.8275251	5.88377	3.66294
14163	FGD1	6.052093		1.766854	1.94915		4.22756		4.3747187		3.674075

12021	BARD1	5.654006	2.02149	2.279582			3.353866	5.3517814	3.0871632	4.25108	3.714138
21848	TRIM24	2.834248		2.615143			4.860182	2.9039752	6.3026285	2.81525	3.721904
15277	HK2		4.90416	2.18483	5.948739	4.697882	4.293041	2.0957654		2.03593	3.737193
18854	PML	2.31381	2.0666	2.656215	4.350472		6.105156		5.0687222		3.760162
67379	DEDD2	2.944304	2.74593		2.930048	4.128173	4.52084	4.9279885	3.4073014	5.27621	3.860099
12323	CAMK2B	2.777878	5.64372		5.621451	2.944067	2.451112				3.887645
83383	TCFAP4	2.958456		1.777216			7.373748	3.9487681	2.6729882	4.79833	3.921585
12190	BRCA2	5.061292	3.00517	2.620229	2.703428	5.017695	4.392512	3.2039323	6.2339907	3.3309	3.952128
17193	MBD4	2.822019	2.03682	2.313619	2.149402	14.71193	2.413658	2.7133021		2.67657	3.979664
269608	PLEKHG5			1.502417	1.543529	15.6206	1.829993		1.9685125	1.792	4.042842
234779	PLCG2	4.650176		3.465083	1.703198	4.681226	6.382371		3.904121		4.131029
67338	RFFL	3.093529	1.82414			14.06599	3.428396		2.0907266	1.55136	4.342357
107607	NOD1	3.006891		1.56457		5.592744	2.49101	8.238479	2.400699	8.15233	4.492389
22596	XRCC5	4.043243		4.122493			7.190596	2.9781868	7.017136	2.89206	4.707286
235323	USP28	4.677735		3.403944		2.85059	6.46907	5.508245	4.632524	5.57673	4.731263
93759	SIRT1	7.510338	2.76632	3.930255	3.46455		5.673435		5.761394		4.851049
21749	TERF1	11.2736		3.033706			3.4624	2.7164588	6.1426816	2.85067	4.913252
223775	PIM3	6.602317	3.79742		5.062054	6.254823	5.338712	5.294606	3.275906	5.38543	5.126409
18541	PCNT	3.776252	1.51033	1.79582		16.65605	4.562218		3.231797		5.255411
112407	EGLN3	3.878781		2.740165	2.292085	15.67101	3.593988	4.4863863		4.63342	5.327976
12189	BRCA1	9.234848		2.72191	1.722559		11.59546	4.133045	6.093626	4.28654	5.683997
18715	PIM2	6.438748	3.38542	6.698802	3.488586		5.682697		5.305759	10.3068	5.900978
15185	HDAC6	4.626664		2.720181		9.395573	4.667357	6.1118865	8.143968	6.46844	6.019152
54725	CADM1	6.130187		1.624786	1.747247	5.841154	20.59102		7.736846	1.52052	6.455965
76884	CYFIP2	3.622705		2.20223			8.511564	7.6307034		10.3531	6.464063
16818	LCK	11.9237	5.78955	4.268626	7.21083	4.304427	12.19323		10.733207		8.06051
21414	TCF7	7.593917		2.942151	1.811546		18.91593		9.561598		8.165028
22256	UNG	28.47667	4.8861	2.812807	3.556736	6.611375	12.01023	3.3968592	9.5398655	4.1584	8.383226
17688	MSH6	12.13758	7.04649	5.40387	8.13907	3.819291	18.14818	3.158565	15.816566	3.34988	8.557721
330409	CECR2	11.16752		11.40114	4.124211		12.19386		4.7286453		8.723075
20111	RPS6KA1	9.075924	1.93268	4.334342		5.681527	27.33702	4.9591484	12.19859	5.20442	8.840456

434261	KRT8	22.38877	3.26705	2.265208	3.393971	8.194788	9.2308	14.324903		13.4014	9.558365
17685	MSH2	11.15592	6.05706	6.246841	2.068978	18.76791	17.1043	9.301931	8.872201	9.08577	9.851212
11816	APOE	18.58763	2.52312	10.44285	2.860874		18.55428	2.8025515	34.30904	2.68619	11.59582
71704	ARHGEF3		2.69663		3.353703	18.18751	3.494807	28.570518	3.0291398	26.7511	12.29763
64058	PERP			4.130148			26.11306	7.879287	26.380758	8.42046	14.58474
13423	DNASE2A		3.94369		2.768565		9.228561	31.982279	6.209103	36.5543	15.11441
16331	INPP5D	11.21845	3.50418	2.425211	3.4322	64.90119	10.09528		10.304542		15.12587
73914	IRAK3			2.748965		15.21443	2.274319	59.714016	6.2890987	24.7765	18.50289
239083	CCNB1IP1	35.09881		1.985607	4.373086		22.71534		28.411226		18.51681
15170	PTPN6	13.80517	1.88208	2.875404		102.3201	7.086742	6.396863	9.17423	6.05859	18.6999
16450	JAG2	1.600075	1.70559	2.035843		17.98093	2.534787	59.67014		51.3837	19.55872
12069	BEX2	30.52067	7.70469	2.840317	8.851472	12.82224	23.37706	2.3027282	88.079094	2.37608	19.87493
18039	NEFL			6.763351			51.51059	6.3350124	36.373344	3.68097	20.93265
66824	PYCARD	23.3302					22.5891	17.539816	27.142159	14.6181	21.04387
16590	KIT	6.292877	4.57358	12.20669	4.337979		5.421481	95.641136	5.645758	39.9981	21.7647
21687	TEK		2.93022	1.699294	2.418741	13.80566		68.32828	5.6636367	58.009	21.8364
11676	ALDOC	3.872329	1.85216	5.371111	1.882556	146.9454	5.971726	16.36552		16.2424	24.8129
18762	PRKCZ	7.689342	3.37987	2.349852	2.607318	194.0607	6.390713	12.456737	4.6339436	9.72563	27.03268
17762	MAPT	23.98807	1.67737	1.717468	2.151878	12.87229	1.713646	159.42755	2.6431038	38.1237	27.14612
20527	SLC2A3	101.131	23.7185	24.27751	25.14949	5.88276	89.34955	27.49958	74.229935	22.5029	43.74903
242705	E2F2	2.413564				256.2872	2.985954	6.43966	4.223424	9.02444	46.8957
14175	FGF4	305.6534	3.63206	5.419284	2.078064	21.14733	164.8753		220.50746		103.3304
12550	CDH1	11.68672	8.25451	21.6397	6.608453	44.56124	273.8769	329.28555	133.00111	297.844	125.1953
18617	RHOX5	266.3972	40.0313		33.66299	594.2451	16.40671	1.6999428	82.52925	2.0447	129.6272
20674	SOX2	152.8519	2.50541	38.66291	1.99361		552.6199	407.85516	324.68918	314.357	224.4419
21667	TDGF1	465.5262	6.46922	100.7639	3.752739	78.39063	498.5527		813.2026		280.9511
Consensus Differentially Expressed Transcription Factor Genes in Mouse iPSCs Compared to MEFs (expressed as fold change*)											
Entrez ID	Gene Name	Chen	Feng	Okita	Heng	Ichida	Kang	Sridharan	Takahashi	Zhao	Average
16876	LHX9	-48.5091		-166.391			-2.42111	-18.04982	-144.83888		-76.042
14465	GATA6	-2.86908	-5.15218	-139.01	-3.33116	-54.9455	-2.13928		-238.54797		-63.7136

107765	ANKRD1		-3.79829	-4.90088	-2.6941	-318.569	-15.3613	-37.465145	-5.3202524	-120.41	-63.5647
100047726	FOXG1	-6.49646		-3.88425		-184.25			-3.81486	-10.548	-41.7986
13345	TWIST2	-10.2893	-7.50093	-25.9344	-5.32488	-214.323	-5.59806		-23.861225	-10.762	-37.9492
22771	ZIC1	-52.1185	-8.73965		-6.50784	-140.481	-2.3613		-1.7338954	-23.952	-33.6992
100048295	WT1		-3.95681	-45.3785	-3.75508	-6.20721			-103.71877		-32.6033
15426	HOXC8	-51.4096			-7.268		-2.31721	-27.768644		-74.096	-32.572
17285	MEOX1		-1.88227	-87.0077	-2.12105		-1.93196		-83.0137	-4.4276	-30.064
22418	WNT5A	-46.5281	-2.24744		-1.93157	-67.7386	-8.41801	-28.654325		-50.645	-29.4518
12393	RUNX2	-70.9413		-4.04532			-2.96642	-36.39972	-4.057885	-42.803	-26.869
18933	PRRX1	-45.8988	-4.28965	-43.9564	-2.51422	-17.6892	-8.7005	-15.927472	-38.71605	-57.955	-26.183
24136	ZEB2	-81.9578	-2.86587	-19.2998	-2.04657	-63.8809	-6.02484	-9.304331	-16.779251	-27.335	-25.4994
14234	FOXC2	-22.1469		-18.3788		-30.621	-6.59305		-17.40281	-49.203	-24.0576
81703	JDP2		-6.01674	-3.64605	-5.36004	-145.571	-2.22958	-2.9382455	-3.5323124	-20.479	-23.7216
20583	SNAI2	-32.0978	-2.17552	-24.292	-1.7741		-7.80921	-9.918782	-23.048643	-47.11	-18.5282
17387	MMP14	-26.9415	-3.85713	-4.67997	-3.01066	-60.9088	-6.68985	-19.899221	-5.1427984	-13.791	-16.1023
15427	HOXC9	-1.52417	-7.64561		-6.17567	-75.5586	-2.62233			-1.9442	-15.9118
15425	HOXC6	-5.64	-7.93931	-7.68318	-6.30012	-80.0098	-3.20608		-9.449276	-6.0718	-15.7874
13653	EGR1		-3.43208		-2.30998	-65.3556		-5.362359		-1.6975	-15.6315
674174	SIM2	-12.4194		-24.285	-1.6195		-1.91011		-35.63363		-15.1735
17260	MEF2C	-32.0462	-2.79946		-1.70464	-35.8503	-3.11697				-15.1035
20204	PRRX2	-20.9714		-22.1054			-4.44638		-23.364952	-4.058	-14.9892
18032	NFIX	-43.3696	-4.8992		-2.32416	-4.65081	-9.13932	-3.4487753		-34.92	-14.6788
17300	FOXC1	-37.3395		-10.2141		-13.9232	-6.34929	-7.8372416	-10.237517	-16.056	-14.5652
26427	CREB3L1	-12.0934	-1.72371		-1.58784		-7.35905	-6.514006	-59.63867	-12.034	-14.4215
14247	FLI1		-1.62664	-22.8995	-2.60032		-3.26669	-14.75639	-34.15504	-17.121	-13.7751
12395	RUNX1T1	-10.6673	-4.58215	-23.8815	-3.49102	-31.5358	-3.27376	-6.030058	-22.29936	-6.419	-12.4645
15229	FOXD1	-25.0507	-3.16594		-2.53118		-4.45707			-20.5	-11.141
100046044	NR2F2	-34.8466	-5.75358		-4.21959	-8.60744	-5.19062	-5.462001	-1.8575692	-22.215	-11.019
13654	EGR2		-2.6362		-2.45435		-2.86342	-42.935696	-2.7957232	-12.113	-10.9663
15273	HIVEP2	-21.5633		-5.73028			-3.59749		-6.015836	-17.255	-10.8323
15402	HOXA5	-56.3391	-4.59613	-3.01928	-4.47577	-7.67988	-4.27754		-2.856157	-1.8238	-10.6335

20613	SNAI1			-11.8426		-14.0089	-5.15254		-11.950507	-9.1674	-10.4244
20429	SHOX2	-8.1134	-4.1313	-4.6434	-6.80377		-1.8911	-12.904799	-5.064585	-38.959	-10.3139
15414	HOXB6	-8.30274		-15.7231			-1.66499		-15.50713	-9.9523	-10.23
17268	MEIS1	-15.2589	-9.12279		-6.89586		-5.98165	-5.40721		-17.818	-10.0808
22160	TWIST1	-26.1467	-2.74032	-13.4027	-2.46934	-9.67977	-4.54689	-5.523389	-16.26495	-8.5067	-9.92008
21384	TBX15	-16.1348		-5.68694			-10.5109	-7.627629	-5.827949	-8.0299	-8.96967
14239	FOXS1			-8.34373		-13.976	-2.16693	-10.910847	-9.52681	-8.1637	-8.84801
12394	RUNX1	-18.2326	-4.49917	-6.2281	-4.0685		-7.4382	-13.856436	-6.1420655	-9.8515	-8.78957
634417	FOSL2	-27.8431	-3.12318		-2.30188		-4.94022			-1.5195	-7.94559
100046232	NFIL3		-7.35538	-6.38516	-4.88332	-15.5366	-4.97871	-6.083674	-6.445895	-9.1555	-7.60303
15413	HOXB5	-7.64682	-3.61744		-4.06296	-18.3861	-1.71521				-7.0857
20678	SOX5		-2.04321	-4.56076		-22.5681	-1.57697		-4.1120963		-6.97223
13591	EBF1	-14.6131	-3.53522		-2.43014		-2.76234	-4.565887		-10.681	-6.4313
13198	DDIT3		-4.76962	-3.22771	-3.68977	-12.1115			-3.3163726	-10.356	-6.24515
13713	ELK3	-8.96039		-4.4183		-4.72522	-5.5363	-7.1441894	-4.0723934	-8.3699	-6.17524
676870	PBX1	-10.0168	-1.83663	-10.1723	-1.57943		-4.80675		-10.039272	-3.784	-6.0336
17536	MEIS2	-17.7265	-5.61911	-2.14016	-2.15551	-1.62726	-5.28248		-2.2558315	-9.8908	-5.8372
107503	ATF5		-5.08882	-4.95529	-4.05819	-8.7842	-1.80347	-3.0834105	-5.383538	-12.64	-5.72455
23871	ETS1	-8.74264	-1.5509		-1.73407	-14.6634	-5.40788	-5.2018747		-2.6104	-5.7016
73181	NFATC4	-3.26963	-2.68007		-2.51498	-25.067	-2.12622	-2.211219		-1.7392	-5.65832
17286	MEOX2		-2.30549	-9.65286	-2.53211		-2.26902		-10.498729		-5.45164
243931	TSHZ3	-6.89806	-3.1443		-2.72206	-8.07344	-1.9612	-5.615869		-9.3252	-5.39145
103889	HOXB2	-5.98553	-4.75493		-4.42546		-2.14068	-5.0882597		-9.0308	-5.23762
110796	TSHZ1	-8.70258	-3.71635	-1.94601	-3.23557		-3.43184		-1.889086	-11.435	-4.90802
15903	ID3	-8.63984	-1.75747		-1.8721	-8.87983	-3.69319			-3.7021	-4.75743
21413	TCF4	-9.04197	-1.7189	-3.10674		-9.30342	-2.04648	-4.1892824	-3.033641	-4.4538	-4.61178
20677	SOX4	-8.0399	-2.36742	-7.30712	-2.10859		-2.94434	-3.6160185	-6.7715974	-2.2518	-4.42585
18028	NFIB		-4.86664		-1.6661	-2.92016	-2.56306	-4.8913894		-6.9738	-3.98019
16371	IRX1	-3.05877	-2.17055		-2.08962			-3.7598667		-8.5699	-3.92973
20682	SOX9	-4.66721	-5.68387		-4.66454		-1.86799			-2.5744	-3.89159
20846	STAT1		-3.6659	-6.02829	-2.96095	-3.35852			-5.3895946	-1.5659	-3.8282

21417	ZEB1	-6.99615		-1.73476		-3.38212	-4.64048	-1.5361958	-1.6570725	-6.6979	-3.80639
11906	ZFH3	-6.87942	-3.15884		-2.38521		-2.70083			-3.3976	-3.70438
18029	NFIC	-7.00821	-2.24154	-2.37037	-2.97676	-2.94938	-2.96331	-2.4406526	-3.3156505	-6.7444	-3.66781
12053	BCL6		-2.47143		-2.07174		-2.0726	-5.6008444		-4.6291	-3.36914
23849	KLF6		-2.56222		-1.90379	-4.804	-2.25715	-3.1830692		-5.2996	-3.33497
208647	CREB3L2	-3.35564		-1.84731			-4.94156	-3.2969663	-1.9212639	-4.5618	-3.32075
14283	FOSL1	-4.69026		-2.47104			-3.33925		-2.5581555	-3.4117	-3.29409
14634	GLI3	-7.96807		-2.0291	-2.50402		-2.89929	-2.8993201	-2.0471556	-2.3805	-3.24677
54352	IRX5	-6.43781	-3.19066	-1.59703	-2.69799	-3.49971	-1.63048	-3.527558	-1.7804395	-4.7805	-3.23801
16391	IRF9		-2.64926	-4.77391	-1.76503				-4.467472	-1.9272	-3.11658
12913	CREB3	-3.91254	-2.73629	-1.77459	-2.22592	-3.06804	-3.27417	-4.274971	-1.7540709	-5.0137	-3.11492
15251	HIF1A	-2.11256		-3.20127		-3.80001			-3.3499978	-2.9795	-3.08866
108655	FOXP1	-6.17927					-2.19759	-2.9962935	-1.5722458	-1.9512	-2.97932
16911	LMO4	-3.27538	-3.13956	-4.43239	-1.79202	-3.51667	-1.79397		-3.8282943	-1.9324	-2.96383
12608	CEBPB		-2.81152	-2.39292	-2.29138	-2.88072	-1.72467		-2.665325	-5.5042	-2.89582
93691	KLF7	-2.8834	-2.46956		-3.19444		-3.06575			-2.6713	-2.85689
15412	HOXB4	-2.08537	-2.79705		-2.60106	-4.97497	-1.66131			-2.2638	-2.73059
241447	LASS6		-1.64528		-1.59683		-3.07019	-3.5866952		-3.6404	-2.70788
12014	BACH2	-2.28706	-1.89846		-1.94642	-2.9226	-1.77995	-5.3853717		-2.6024	-2.68889
100047651	ZFPM1		-1.86647	-4.51064	-1.50908	-2.80064	-1.51774		-4.3972235	-2.1229	-2.67495
22337	VDR		-3.05706		-2.92394		-1.63254	-2.6791778		-3.0118	-2.66089
387609	ZHX2		-2.19407		-2.28312		-1.92834	-2.630031		-3.7673	-2.56056
17537	MEIS3	-2.78807	-1.7791	-3.49106	-1.66864		-1.85655	-1.9707487	-3.6119812	-3.2465	-2.55158
97064	WWTR1	-3.42481	-2.00495			-1.94851	-2.54904	-2.3048394		-2.6444	-2.47942
21406	TCF12	-2.39353	-2.47703		-1.99737		-2.31949	-3.341049	-1.5812972	-3.11	-2.45997
21678	TEAD3	-2.53751	-1.65601	-3.66488			-2.43544	-1.9897923	-3.1763027	-1.7405	-2.45721
22433	XBP1		-2.13736	-2.72193	-1.69031	-2.08761	-3.32011	-1.8004775	-2.8220642	-2.2703	-2.35627
72739	ZKSCAN3	-2.76663			-1.64011		-1.865	-2.8304002		-2.6235	-2.34513
15404	HOXA7	-3.47481	-2.09962		-2.19997	-2.22599				-1.717	-2.34347
54446	NFAT5	-2.94037	-1.50761		-1.71505	-2.29282	-1.62988			-3.8601	-2.3243
19697	RELA	-3.66453	-1.85718			-1.63944	-2.07188	-2.447627		-2.2478	-2.32141

17127	SMAD3	-2.10185	-1.91777	-2.23406		-2.2755	-2.65428	-2.3951516	-2.5079954	-2.2285	-2.28938
60611	FOXJ2	-3.52254	-2.29948		-2.24603	-1.85902	-1.86777			-1.7152	-2.25168
17125	SMAD1	-2.63351	-2.72606			-1.89896	-2.11958			-1.7585	-2.22733
100047427	THRA	-3.17334	-1.99879		-1.84321		-1.74746	-2.43263		-1.9959	-2.19855
20848	STAT3	-4.61244	-1.72988		-1.74307	-1.60363	-1.66849	-1.9251146		-1.937	-2.17423
23872	ETS2		-3.04944		-2.11056	-1.76331	-2.27685			-1.6691	-2.17385
18023	NFE2L1		-1.79951	-2.23828		-2.24111			-2.7013133	-1.6781	-2.13166
20666	SOX11		-1.54196		-1.80224		-1.75168	-3.428456		-1.7555	-2.05597
22751	ZFP90		-1.65422	-2.01965	-1.64819	-1.81062			-2.0031457	-1.8212	-1.82618
13864	NR2F6	-1.83085		-1.96807		-1.51395	-1.6933	-2.0094016	-1.8567595	-1.6587	-1.79014
20807	SRF		-2.0972		-1.68315	-1.83794	-1.56968			-1.681	-1.7738
217864	RCOR1		-1.66134		-1.6816	-1.53608	-1.78619			-1.8518	-1.7034
70208	MED23			1.562545		1.672595		1.5611167	1.526717	1.6501	1.594614
66671	CCNH	1.845043			1.726362		1.663102	1.8644669		1.73808	1.767412
269252	GTF3C4			1.653115	1.525132	2.119631			1.679773	2.10866	1.817262
14390	GABPA	1.867262	1.76173		2.119001		1.563365	2.0917585		1.60171	1.834138
73642	ARID2	1.64807		2.028294			1.739173		1.9139751	1.84282	1.834465
30046	ZFP292	2.189366			1.85234	1.687314	1.796561		1.9445881	1.5484	1.836428
21339	TAF1A	1.900864	1.65162	2.143556	1.831536		1.838853		2.2013283	1.51373	1.868784
63856	TAF8	2.016588					1.992033	1.9362013	1.5604684	1.8645	1.873959
23894	GTF2H2	2.075864	1.71193		2.167448	1.839526	1.712028	1.7691188	1.525697	2.42774	1.903669
68153	GTF2E2		1.75375	1.801078	1.732773	1.991555	1.86087	2.2030592	1.7619942	2.15742	1.907813
545269	HDAC1	1.91617	2.37563		1.832642		1.56038	1.8765559		2.08265	1.940671
118445	KLF16		1.96812		1.74828	2.027995			1.8594028	2.10323	1.941407
69260	ING2	2.049264	1.58492			2.739521		2.0334806	1.6925173	1.57561	1.945886
21374	TBP	2.567187			1.734173	1.718929	1.584392			2.1593	1.952795
227644	SNAPC4	1.950079	1.53521	1.505192	1.533646	3.995779	1.58515	2.0174773	1.5571536	1.96861	1.960921
69090	ASCC1			1.926236		2.404651	1.816505		2.0411007	2.01338	2.040375
17527	GTF3C2	2.126597			1.737513		1.51261	2.6104293		2.32804	2.063037
19090	PRKDC		1.51006	2.254115	1.633528		2.25787		2.180534	2.5768	2.068819
22278	USF1		2.14993		1.914098		2.086794	1.8012552		2.49011	2.088436

13018	CTCF		1.86641	1.639614			1.835468	2.980505	1.7131464	2.54704	2.097031
20683	SP1	2.933029		2.171438	1.678212		1.859068	1.8272022	1.8566964	2.39307	2.102673
209446	TCFE3	1.876124	1.75702		2.239468		1.825342	2.8411555		2.2924	2.138585
56070	TCERG1	2.978946		1.942131	1.931146	2.516474			1.8424277	2.15883	2.228325
30946	ABT1	2.976545		1.843884			1.601214		1.7941077	2.93938	2.231025
12566	CDK2	2.908257	1.83087	1.917606	2.187338	2.896083			1.9333799	1.96322	2.233822
50754	FBXW7	1.964184		2.185201	1.60835			3.3750594	2.3430555	2.1045	2.263391
18045	NFYB	1.884459	1.96291		2.574521		1.941488	2.2538037		3.14379	2.293496
99982	KDM1A	2.993768			2.084748	2.124387	1.700854	2.60987	1.5695205	2.98667	2.295688
211586	TFDP2	2.331842	1.98934		1.521753	2.4901	2.483889	2.1660202	3.0220993	2.41112	2.302021
22646	ZFP105	1.991852	1.8012	2.127409		2.834244		2.7114785	2.0070632	2.82553	2.328396
68479	PHF5A	2.166205	2.32258	1.888014	3.109602	2.371338			1.7667202	3.14218	2.395234
14534	KAT2A	1.748609	1.55457	2.6075	1.803357	4.377666		2.5244038	2.5281303	2.09865	2.405361
11792	APEX1	2.062027				2.952281	1.86589	1.9533939		3.20571	2.407861
226747	AHCTF1	3.639808	1.65121		3.152651	2.415511		1.6862061		2.01548	2.42681
65020	ZFP110	2.076789			2.440994		2.257116	3.1104548		2.28545	2.434161
21815	TGIF1	3.795711	1.65251		1.787989		1.604217	2.7813022		3.05968	2.446902
100046149	SUB1	2.38691	1.57396	3.480343	2.04459	1.635608	1.521769	4.6144385	3.180205	2.01521	2.494782
217127	MYST2	2.846114			2.114043	2.593417	2.031071	2.1357162		3.42293	2.523881
22059	TRP53	3.216871	2.08696		2.269874	2.129655	1.873955	2.6911852		3.88027	2.592682
21780	TFAM	3.564813	2.32437	1.615629	3.34178	3.080339	2.325026	2.6423504	1.5243955	3.27831	2.633001
12396	CBFA2T2	2.372733				3.311242	2.136839	2.347619		3.09555	2.652796
209357	GTF2H3		2.38481		3.098397	1.887631	2.597908	2.223622		3.81444	2.667802
69890	ZFP219		2.4179		2.971766		2.404561	2.778699		2.94203	2.702993
14885	GTF2H4	2.627569	1.92769		2.465994	4.36265		2.2263541	1.8994113	3.49553	2.715028
102162	TAF5L	3.7486	2.38847	2.373153	2.32735	3.526439	1.659655		2.409462	3.50504	2.742272
18813	PA2G4	2.830173	2.41351	1.628329	3.054361	3.990449		2.4820867		3.07416	2.781867
70769	NOLC1	4.118626	2.92978	2.083875	2.673151		1.769112	3.3818111	1.8163353	4.25205	2.878093
116871	MTA3	2.251641	2.96112		3.424649	1.708513	2.646221	4.3427873		3.36354	2.956925
20466	SIN3A	3.650032	2.32873		2.882716	2.558167	2.278558	3.7713916	1.5468272	4.83135	2.98097
21849	TRIM28	2.556934	3.55049		4.145616	2.423562	2.348783	3.9253356	1.7072875	4.33789	3.124486

238673	ZFP367	6.154937		3.083562			1.66958		3.3179615	1.62135	3.169479
21340	TAF1B	3.264646		5.500829			1.506542	2.2818172	5.1949434	1.79248	3.256876
634967	TGIF2	3.505592		2.922802				2.345615	3.271643	4.39374	3.287878
14375	XRCC6	3.316422	1.8562	2.63942	1.95819	9.236538	1.647835	2.5940623	2.4228568	3.93959	3.290124
57432	ZC3H8	4.227399	1.79575		1.59181	4.132476	1.84715	4.5921717		5.44744	3.376313
223227	SOX21	3.816749	3.71183		3.254265	5.272156	1.600093			3.3553	3.501733
14106	FOXH1	4.799537	2.34681				4.100437	4.4396396		2.41165	3.619615
226182	TAF5	5.875521	2.13154		2.22475	5.754591	1.954211	4.510939	1.9333601	6.35516	3.842509
13813	EOMES	3.911725	2.03988		2.431263		4.888245	6.9576125		2.9863	3.869171
83383	TCFAP4	2.958456		3.948768			1.777216	2.6729882	4.798334	7.37375	3.921585
107586	OVOL2	3.707304	2.54983		2.087589	11.07417	1.509853				4.185748
195733	GRHL1	8.654247	3.03424		2.50432	5.757357	1.744277	3.1223323		4.54959	4.195195
100047965	ETV2	2.711641	7.18056		5.756897				2.7484734	2.71374	4.222263
18986	POU2F1	3.413934	1.74639	5.029064	3.859211	3.755226	3.317153	6.0802693	4.919618	5.90535	4.225134
71041	PCGF6	7.257896	5.44479	3.167498	6.228506	4.338759	3.630076	4.078017	2.494812	5.22375	4.651567
15361	HMGA1	2.405249	5.90071		7.038357	3.133758				5.36708	4.769031
14009	ETV1			6.430028	1.662793		2.996459	4.3241525	5.4371643	7.97908	4.804945
14536	NR6A1	4.690183	5.32276		4.595706	2.794323	5.263816	5.7424655		6.14851	4.936823
667519	HMGB2	5.933224		6.026825		5.34581	2.162977	5.07125	6.2360425	3.88069	4.950973
16598	KLF2	9.121894	6.80271	1.924036	7.801655		4.179725	7.4523654	1.874776	6.67815	5.729414
104383	RCOR2	7.527395	5.225		5.695824	1.761897	10.86927	8.151272	2.6037612	7.28539	6.139977
16600	KLF4	4.414947	1.96047		1.613893	15.03011	3.362888	12.119986		4.84474	6.192433
20849	STAT4	8.567301	4.52988	1.928537	3.164096	19.32171	5.802369	8.654894	1.6437006	6.01321	6.625077
11545	PARP1	6.385677	3.9558	6.68141	3.355317	19.59092	2.866251	6.571724	6.6943293	8.17217	7.141512
21414	TCF7	7.593917			1.811546		2.942151	9.561598		18.9159	8.165028
12224	KLF5	12.85992	5.18671		2.125013	2.552775	2.756245	24.035435	1.7975973	23.3102	9.327985
252973	GRHL2	22.74287	7.56324		9.77045		4.98659	5.772214		10.2859	10.18687
21888	TLE4	9.394804	6.52054	7.608235	7.188936	5.836015	6.447233	18.803585	5.7683134	25.5395	10.34524
104156	ETV5	8.702339	9.20647		9.048661	9.04376	9.774514	14.978081		23.1684	11.98889
24074	TAF7	17.75653	1.81866	7.578048			7.153675	27.266088	5.5785394	24.1861	13.04823
54139	IRF6	13.33383		5.665184		33.70011			5.054703	8.42124	13.23501

21420	TCFAP2C	21.6629	3.16996	25.44793	2.719461	6.710476	7.291916	12.137652	38.65211	12.8492	14.51573
230824	GRHL3	25.16614				26.67913	3.161583	9.557328		8.80036	14.67291
18991	POU3F1		5.47781	37.53227	3.90993	18.32459			31.35335		19.31959
13710	ELF3	10.79644	1.74825			25.23845	3.653048	12.454341	79.38476	4.22225	19.6425
14472	GBX2	7.455232	10.8127	39.51444	12.14359	11.85781	2.927547	60.983315	35.324055	21.0704	22.45435
332221	ZSCAN10	11.99037			4.228854	76.19133	10.52169	13.713398		26.49	23.85594
18424	OTX2	22.03494	11.1136		9.542808		4.554811	99.61515		19.6289	27.74837
242705	E2F2	2.413564		6.43966		256.2872		4.223424	9.024439	2.98595	46.8957
17863	MYB	30.24572		130.1734			1.682212		111.798325	12.8097	57.34188
99377	SALL4	72.90398	17.2783	40.28494	14.58659	166.1681	18.33907	95.13436	35.251965	108.997	63.21607
22773	ZIC3	157.6943	20.0628	78.60535	3.371111	42.69264	13.83804	259.9154	21.342842	196.09	88.17916
81879	TCFCP2L1	126.3647	85.6818	191.9154	92.4333		17.55614	65.997116	66.55694	65.5803	89.0107
26424	NR5A2	27.69272	4.60401	451.2572	5.496676		9.759146	27.140078	361.59286	45.1081	116.5814
634428	NANOG	435.591	12.029	9.086768	6.213916		56.77165	391.8518	10.201514	285.014	150.8449
13799	EN2		2.83023	670.9837	2.335765	10.38996	2.34315	4.938851	502.94156	12.4087	151.1465
11614	NR0B1	278.9486		207.7925			90.20878	158.82735	208.56915	112.178	176.0873
20674	SOX2	152.8519	2.50541	407.8552	1.99361		38.66291	324.68918	314.35718	552.62	224.4419
18999	POU5F1	317.4387	73.8637	28.30739	43.48255	511.2901	60.73375	613.96497	69.43976	534.935	250.384
Consensus Differentially Expressed DNA Repair Genes in Mouse ESCs Compared to iPSCs (expressed as fold change*)											
Entrez ID	Gene Name	Chen	Feng	Okita	Heng	Ichida	Kang	Sridharan	Takahashi	Zhao	Average
231724	RAD9B			1.758835	2.478934	2.805036	1.540763		1.8339099		2.083496
12190	BRCA2			2.73488	1.56141	2.405705	1.704812		2.7762296		2.236607
26447	POLI	1.614215		3.350143	2.404582	1.516227			3.344705		2.445974
93759	SIRT1			2.824125	1.671116	6.23838		2.7056673	2.6809144		3.224041
30939	PTTG1	2.801285		5.515855	5.248841	2.427524	3.022794		5.3535557	1.53063	3.70007
Consensus Differentially Expressed Cell Death Genes in Mouse ESCs Compared to iPSCs (expressed as fold change*)											
Entrez ID	Gene Name	Chen	Feng	Okita	Heng	Ichida	Kang	Sridharan	Takahashi	Zhao	Average
107607	NOD1	-5.85349		-20.1442		-34.4374	-2.40987		-22.119787		-16.9929
12578	CDKN2A		-2.09705	-5.56576	-2.24871	-2.49263			-5.916725		-3.66418

100169889	PEG3		-2.42229	-3.67721	-2.92262		-2.86606		-3.4643488		-3.07051
16179	IRAK1	-1.90564		-2.11414		-6.10473		-1.8537524	-2.325694		-2.86079
434261	KRT8	-3.08914		-3.72905	-2.19825		-1.70801		-3.556486		-2.85619
64704	HTRA2	-1.52194		-2.93931	-1.58941	-3.95869			-2.8594356		-2.57376
12190	BRCA2			2.73488	1.56141	2.405705	1.704812		2.7762296		2.236607
100046120	CLU		1.75133	3.092989		3.1297			2.9326804	2.09093	2.599526
93759	SIRT1			2.824125	1.671116	6.23838		2.7056673	2.6809144		3.224041
269424	PHF17		2.24223	4.313119	1.858094	4.00187			4.2185616		3.326775
83558	TEX11			83.01694	3.085286	187.2551	1.630149		79.38124		70.87374

Consensus Differentially Expressed Transcription Factor Genes in Mouse ESCs Compared to iPSCs (expressed as fold change*)

Entrez ID	Gene Name	Chen	Feng	Okita	Heng	Ichida	Kang	Sridharan	Takahashi	Zhao	Average
20666	SOX11	-4.17809		-6.09957			-2.07198		-17.786356	-1.7434	-6.37588
23849	KLF6	-2.39578		-7.18528		-1.52811	-1.58605		-6.678691		-3.87478
12578	CDKN2A		-2.09705	-5.56576	-2.24871	-2.49263			-5.916725		-3.66418
17536	MEIS2			-2.85097	-1.61255	-3.0428			-2.8891037	-1.7669	-2.43246
21406	TCF12		-1.53009	-2.93078		-1.61087	-1.51173		-3.2668302		-2.17006
99377	SALL4			7.63344	2.736969	1.546492	6.907617	1.9761255			4.706129

Consensus Differentially Expressed DNA Repair Genes in Human ESCs Compared to HDFs (expressed as fold change*)

Entrez ID	Gene Name	Chin	Lowry	Munoz	Bock	Ebert	Maherali	Sun	Yu	Average
64859	OBFC2A	-33.9465	-7.14765	-18.0892		-7.803	-5.3811	-10.009341	-6.0595655	-12.634
8450	CUL4B	-42.0257	-2.99407	-12.8287	-6.33809	-2.71858	-6.79944		-5.40959	-11.302
5980	REV3L	-9.17472	-14.0439	-2.54934	-7.63632	-14.0353	-11.3677	-2.6853619	-12.09737	-9.1988
26270	FBXO6		-7.01049	-5.76309		-6.36831	-6.02079	-2.5060651	-6.536814	-5.7009
10039	PARP3	-3.80366	-2.63901			-4.85622	-2.27499	-10.841567	-5.365724	-4.9635
3981	LIG4	-1.85806	-2.15709	-3.89668			-1.82647	-15.948401	-3.4083152	-4.8492
2965	GTF2H1	-2.96559	-2.81883		-5.97793	-4.33785	-2.67503	-1.9213281	-6.1718006	-3.8383

55317	C20orf29	-5.11426	-2.32735		-4.62212	-4.54325	-2.08652	-3.4983878	-3.7983632	-3.7129	
10519	CIB1	-4.6241	-2.07666	-4.73636	-4.67847		-2.09535	-2.7987704	-2.2527738	-3.3232	
57804	POLD4	-3.09402	-2.79572	-2.32847	-4.45021	-3.48183	-3.47339	-3.0745811	-3.512985	-3.2764	
51426	POLK	-2.96293	-3.29232	-4.74009		-3.15106	-2.70746	-2.2555356	-2.1978467	-3.0439	
54386	TERF2IP	-3.81063	-2.68856	-3.35724	-1.81693	-3.10846	-2.69751	-2.065473	-3.854566	-2.9249	
1647	GADD45A	-3.90969					-1.87981	-3.3448896	-2.4710174	-2.9014	
23054	NCOA6	-3.94914		-3.61578			-1.86987		-2.1391623	-2.8935	
51065	RPS27L	-2.16477	-1.99208		-2.90492	-4.36764	-3.5983	-2.3571146	-2.522985	-2.844	
7320	UBE2B	-1.99238	-1.63228		-3.36105	-2.54301	-2.38693	-5.479225	-1.7457978	-2.7344	
5429	POLH	-2.14128	-1.81437	-1.97649		-2.3228	-1.50445	-6.525178		-2.7141	
64421	DCLRE1C			-3.11594		-2.52179	-2.41524		-2.544451	-2.6494	
9881	TRANK1		-2.5319				-2.88752	-1.7690469	-3.3889594	-2.6444	
221120	ALKBH3	-3.18728	-1.7418				-1.70541	-3.6699226		-2.5761	
1069	CETN2	-3.96758	-1.84058		-3.23127			-1.5475152	-1.9964969	-2.5167	
197370	NSMCE1	-2.43999		-1.57102				-3.0442233	-2.8541148	-2.4773	
7507	XPA	-3.65905	-2.23739		-2.60453		-2.47871	-1.8264557	-1.8665775	-2.4455	
5965	RECQL	-1.98021		-3.12926	-3.03247				-1.5935423	-2.4339	
404672	GTF2H5	-1.93979	-1.69121		-4.73176			-1.8919522	-1.891355	-2.4292	
11277	POLR2L	-1.73609		-1.57719	-2.11983			-4.2628784		-2.424	
5441	ERCC1	-3.10382	-1.62855		-2.45532	-2.78552			-2.0261066	-2.3999	
2067	RPS27A	-2.20776	-2.21048	-2.5921	-3.59826	-2.26578	-1.56593	-2.3133595	-1.8701134	-2.328	
728590	UBE2V1	-3.29655		-1.6117	-2.60575				-1.6832949	-2.2993	
7335	MPG	-3.63537		-2.87625	-2.36659	-1.53678	-1.58905		-1.6353154	-2.2732	
4350	ERCC5		-1.83449		-3.13071		-1.98523		-1.7563798	-2.1767	
2073	RAD23B	-2.968	-1.69775		-1.71644		-2.61294	-1.5119723	-2.2803838	-2.1312	
5887	CEP164	-2.28903			-1.84282	-1.61714		-2.7457106		-2.1237	
22897	KIAA0415		-1.93335			-1.61347	-2.14368	-2.149568	-2.3884504	-2.0457	
9907	UBE2A	-1.8559				-1.9385	-1.61911	-2.1697702	-1.8399588	-1.8846	
7319	XPC	-2.45856	-1.52045		-1.61501	-1.87827	-1.56971	-1.8170395	-1.8113163	-1.8101	
7508	USP47	-1.5832				-1.55288	-2.15523	-1.9198611		-1.8028	
55031	FZR1	-2.13954	-1.61169		-1.688	-1.88905	-1.67833		-1.8060174	-1.8021	

51343	POLR2J		-1.56805			-1.82838		-1.5913085	-1.9211998	-1.7272	
5439	FTO	-1.63598			-1.55978		-1.68839	-1.7106904		-1.6487	
79068	HINFP	-1.94076	-1.50567					-1.5551107	-1.526613	-1.632	
25988	DCLRE1B		1.73994		1.667267	1.641329	1.512655			1.6403	
64858	RFC1	1.719766	1.76811				1.652873		1.6953429	1.70902	
5981	NPM1		1.84715		1.810953		1.615051		1.6110674	1.72105	
729686	MMS19		1.55022			1.638031	1.872963	2.0098252		1.76776	
64210	PARG	1.680537	2.01045		2.190614	1.62408		1.6130458	1.6851492	1.80065	
8505	TP53BP1	1.518776	2.40541				1.772792		1.5108094	1.80195	
7158	RNF8	1.566042			2.340365			1.5089983	1.975214	1.84765	
9025	WRN	1.705438	2.00504		1.909717	1.925915	1.671805	1.7595778	2.0433147	1.86012	
7486	POLR2H	1.588534	2.20403				2.242954		1.5296283	1.89129	
5437	TOPBP1	1.84342					1.554336	1.8446671	2.396597	1.90976	
11073	EME1	1.984291	2.17515		1.630508		1.971838	2.1151898	1.7597606	1.93946	
146956	SMC6	2.677632	1.88988			1.895314	1.634115	2.0949504	1.7566011	1.99142	
79677	UBE2V2	1.747905				1.91176	2.146813		2.2011988	2.00192	
7336	NONO		1.88101			2.039157	1.721092		2.4553692	2.02416	
4841	XRCC6	1.54272	1.70977		3.316218	1.798959	1.592438		2.3496172	2.05162	
389901	MRE11A		2.29225		2.173003		1.958942	2.2867963	1.6080893	2.06382	
4361	UBE2D3	1.788798	2.40629			2.26914	1.508441	2.904286	1.5430908	2.07001	
7323	CHD1L		2.11619			2.291244	2.289859		1.6830506	2.09508	
9557	DCLRE1A	1.518061	2.04824	1.567373	1.579825		1.816479	2.4151602	3.9245093	2.12424	
9937	PARP2		1.98721		1.528306		2.049694	2.9507916	2.1670876	2.13662	
10038	UBE2N	2.295992	2.02773		1.929405	1.992671	1.959093	2.6051056	2.177492	2.14107	
7334	RUVBL2		2.05598			2.310753	2.581004	1.8808123	1.9166795	2.14905	
10856	VCP		2.29313		1.535896		2.956445		1.817802	2.15082	
7415	TREX1		1.89148		3.053796	1.744983	2.508847		1.5910867	2.15804	
5438	POLR2I		2.38043				2.435701	1.7031823	2.270473	2.19745	
7520	XRCC5	1.635532	3.08616		1.860477	2.149497	2.633568	2.085613	1.97468	2.20365	
5883	RAD9A		2.10186	1.895252		2.507187		1.9373345	2.6843548	2.2252	
7517	XRCC3		2.26026			2.132613	2.030575		2.7123148	2.28394	

2968	GTF2H4		2.21321		2.64045		2.148744		2.1388555	2.28531	
57697	FANCM	2.854304	2.45682				1.994233	2.7151456	1.6346432	2.33103	
25842	ASF1A		2.78604			1.867319	1.666059	3.4187388	1.9351891	2.33467	
5423	POLB		2.33339			2.792364	2.211906	2.1126008	2.2515752	2.34037	
257218	SHPRH	2.572591	2.5664	2.648762		2.367606	1.92632	1.9454496	2.384464	2.34451	
100130561	HMGB1	1.697479	3.10374			1.908417	2.827111	2.229534	2.3196855	2.34766	
56647	BCCIP		3.4129			2.260297	2.35134	1.5611293	2.2163777	2.36041	
4913	NTHL1		2.73182		2.168702		1.875031	2.7533157	2.3136837	2.36851	
56852	RAD18		2.89938				1.717838	3.3193297	1.6291546	2.39143	
8451	CUL4A	1.679859	2.20305			2.593862	3.333222		2.2339044	2.40878	
7398	USP1		2.44645		3.425067	1.745093	2.210986	1.7794341	2.9823053	2.43156	
11198	SUPT16H	2.090267	2.98504		2.83195	2.461259	2.772308	1.8009739	2.1419086	2.44053	
79728	PALB2	3.02065	2.74309		1.950428	2.46095	2.65304		1.9498249	2.463	
6117	RPA1	2.552826	2.51104		2.911491	1.932039	2.018685	2.980502	2.3409617	2.46394	
2188	FANCF	2.718331	2.74876		3.111903	1.836379	2.05895	2.768506	2.385954	2.5184	
201254	STRA13		2.61854				3.159387	2.5102417	1.8137294	2.52548	
4521	NUDT1	1.704295			2.430833		3.876686	2.494323	2.1254952	2.52633	
55339	WDR33	1.639698	3.20355			2.910168	3.181873	2.2666998	2.0506983	2.54211	
9126	SMC3	1.801763	2.99146		2.33063	1.694895	2.429398	2.3142743	4.482732	2.57788	
6996	TDG	1.60684	3.04941		1.616743	4.033092	3.042433	1.8063141	2.9767344	2.59022	
10714	POLD3	2.075317	2.36656		1.71678	2.504603	2.59418	4.765795	2.146543	2.59568	
1454	CSNK1E	3.088747	1.81987		4.328473			1.9783083	2.1286871	2.66882	
9656	MDC1	1.892363	2.52968		2.677599	2.84945	1.578772	4.21531	2.9811285	2.6749	
5378	PMS1	3.673025	2.74913			2.764088	1.544883	2.894674	2.6440282	2.71164	
6118	RPA2	1.927183	2.75184			2.691041	2.339043	3.7507327	3.018333	2.74636	
9100	USP10		2.61022		2.226757	2.340976	3.052518	2.217792	4.142799	2.76518	
125150	ZSWIM7		1.64139			4.055301	2.981041		2.5881574	2.81647	
10381	MC1R		2.42565		3.200466		5.006624	2.1560469	1.8983055	2.93742	
6421	SFPQ	5.359058	2.21604		5.153029	1.825691	2.471021	1.7293416	1.8148016	2.93843	
8243	SMC1A	2.284388	2.32586		5.286596	2.055934	2.156506	1.9861965	4.6688747	2.96634	
5433	POLR2D	1.873485	3.608		2.106999	2.812946	4.974454	2.1204202	3.4499018	2.99231	

3980	LIG3	3.489341	3.95682		3.540227	2.454071	2.755528		2.340247	3.08937	
22976	PAXIP1	1.590814	3.34004	2.44394	5.67976	3.529649	2.378777	2.8833294	3.2244956	3.13385	
4595	MUTYH	4.123921	3.6332	4.363554	2.670165	2.751838	2.021375	3.0186732	2.5063274	3.13613	
23049	SMG1	2.709354	1.73765			2.852003		5.9436893	2.6212761	3.1728	
5426	POLE	3.739062	3.11453	2.591981	5.124012	2.872389	2.638173		2.1812649	3.1802	
6749	SSRP1		2.54733		6.332151	2.136913	2.517414	1.8408854	4.1538525	3.25476	
3014	H2AFX	1.967221	2.79282		3.737989		5.956025	2.9429417	2.3816583	3.29644	
5111	PCNA	1.541469	3.43815		2.770614	1.822651	3.647639	8.275378	1.6302642	3.30374	
5936	RBM14		1.53562		1.600959	2.038688	6.603138	3.1347558	5.1590605	3.34537	
731751	PRKDC	5.939463	3.1643		5.22203		2.553052	1.5761089	1.9088415	3.39397	
9401	RECQL4	3.388514	2.33837			2.503872	2.723019	7.4604363	2.2560225	3.44504	
11232	POLG2	1.709704	3.03399	1.724198	4.277598	2.816086	2.373891	8.8137045	3.0093367	3.46981	
5982	RFC2	1.661585	5.07612		2.79119	3.166097	5.257743	2.8213923	3.6768358	3.49299	
8555	CDC14B	2.549595		4.089964	2.021531			5.738853	3.1216385	3.50432	
8313	AXIN2	1.572404		8.911643		2.601915	3.706733	3.2130644	1.7596681	3.62757	
83990	BRIP1	3.176438	4.60756			3.114049	3.963938		3.5028284	3.67296	
84268	RPAIN	6.755892	2.25792	3.595823		4.836719	1.795153	1.9631978	4.5145926	3.67418	
2189	FANCG	4.019151	3.88904	3.14426	3.145089	2.926944	3.027309	5.7215276	3.56034	3.67921	
23411	SIRT1	3.652958	5.8929		3.589009	3.446273	5.103319	2.3263714	2.0700743	3.72584	
55775	TDP1	2.103122	4.05763		2.35401	3.173193	3.919257	6.62379	4.1028132	3.76197	
675	BRCA2		5.66161			2.776535	2.888848		4.104689	3.85792	
2187	FANCB		3.77748				2.855514	6.2304087	2.6659284	3.88233	
6119	RPA3	2.034245	4.50156	2.852727	1.694432		7.388514	6.081601	2.7916725	3.90639	
5888	RAD51	2.845208	7.40632		3.669554	1.794458	1.527611	6.75864	3.4701114	3.92456	
5985	RFC5	3.089954	4.18598	1.770398	3.466394	3.512762	4.459148	7.162469	3.918547	3.94571	
3148	HMGB2	1.863709	5.62074	2.139903	3.134575	2.189584	4.483977	9.944508	2.3993566	3.97204	
2966	GTF2H2C	3.879896	1.6177			4.879083	1.864804	1.9697388	9.716036	3.98788	
2956	MSH6	3.581167	3.85534	2.989523	6.396351	3.301424	4.238665	4.7572465	2.9733813	4.01164	
55247	NEIL3		2.70752			1.57543	5.1234	9.328829	1.5625138	4.05954	
8208	CHAF1B		2.4099			2.34631	2.278544	10.162144	3.2525773	4.08989	
580	BARD1	3.450051	4.67147	1.660672	3.58925	3.413922	4.281232	8.157616	4.431175	4.20692	

5424	POLD1	4.585796	3.36289	2.894255	5.597557	4.4995	4.507763	5.4163904	5.35847	4.52783	
57646	USP28	2.451061	4.78201	9.510466		4.475606	3.823124	2.720216	4.4346433	4.59959	
3978	LIG1	3.391066	4.79891	2.645337	6.830673	3.146737	3.904675	8.584543	3.5847256	4.61083	
9319	TRIP13	2.906867	6.33892		3.616678	1.899894	12.14504	3.125746	2.4689977	4.64316	
3835	KIF22	2.802791	4.96882		2.3109	2.549703	4.662445	12.460585	3.1278353	4.69758	
55120	FANCL	3.1479	5.24222		3.590359	3.0298	2.309166	13.285824	2.7857826	4.77015	
10459	MAD2L2	3.705093	5.96085			4.489213	6.092401	4.4124813	5.7200675	5.06335	
7298	TYMS		2.71788	2.458412	3.692833		4.552036	15.992905	1.5283215	5.15706	
7374	UNG	5.426264	7.75655		5.683339	3.76638	5.517669		4.2615585	5.40196	
5984	RFC4	4.204434	5.71095		2.993875	4.904337	6.040158	8.662089	5.9094877	5.48933	
55159	RFWD3	4.290159	7.46519		7.724118	4.226913	5.566917	6.2878766	3.6084337	5.59566	
5983	RFC3	2.961666	7.57289		3.057609	3.877233	11.53128	7.256656	3.6055725	5.6947	
2177	FANCD2	2.579868	6.56819	5.268977		4.215753	3.550872	14.015821	4.2309756	5.77578	
25788	RAD54B	8.124351	8.84765	3.838188	2.800017	4.082378	5.60814	9.699727	5.199047	6.02494	
1111	CHEK1	1.822025	10.2095		5.255261	3.816013	9.880115	8.086099	3.6132755	6.09748	
142	PARP1	3.628331	8.91599	4.177279	11.36862	4.070316	5.593279	8.606255	3.0055685	6.1707	
2175	FANCA	7.788255	3.32565	2.25848	2.990468	2.95183	1.710926	26.872822	2.535464	6.30424	
5422	POLA1	17.80791	4.97284	12.50585	3.736135	2.935804	3.7357	4.5368176	1.6128027	6.48048	
55215	FANCI	5.007837	6.62023		5.963903	2.664797	6.700804	16.549208	2.159966	6.52382	
2237	FEN1	4.765539	7.08074		13.87315	3.086709	9.48313	4.622861	3.7669075	6.66843	
29089	UBE2T	1.511918	4.29462			3.32916	7.690716	19.193298	4.3152914	6.7225	
7516	XRCC2	2.198483				3.437561	2.792398	23.14652	2.5825484	6.8315	
10036	CHAF1A	4.607512	5.67621	3.980029	13.78985	4.917294	5.014779	13.756018	6.773789	7.31444	
9232	PTTG1	2.113988	6.5674		3.190727		12.21721	17.432606	2.923559	7.40758	
10635	RAD51AP1	4.025712	13.3665	1.895042	3.588962	5.277973	15.56433	10.555893	5.209464	7.43549	
8438	RAD54L	6.7433	4.20942	2.930156	4.271051	4.043777	5.47549	29.417301	4.6007557	7.71141	
9156	EXO1	4.31988	8.24203		4.582696	5.084127	14.83754	14.512022	6.0288773	8.2296	
672	BRCA1	4.591475	6.56986		4.285826	2.570936	8.693111	29.738823	3.295799	8.53512	
5427	POLE2	6.565989	11.1756		3.314646	4.922106	17.02517	9.214765	7.578269	8.54237	
7153	TOP2A	3.928782	10.8662		4.10487	2.401542	15.7277	24.222504	4.207952	9.35137	
10721	POLQ	9.932843	4.59459	7.148291		4.161041	2.186729	36.79864	3.6514447	9.78194	

1763	DNA2	6.946564	12.0253	2.895775	7.152794	13.88885	11.63308	16.84138	9.330355	10.0893	
4436	MSH2	5.893004	13.3543	5.759356	7.684796	8.282847	11.31169	18.969551	9.890717	10.1433	
113130	CDCA5	4.849981	8.71572			4.765647	13.9859	28.7494	6.109597	11.196	
201299	RDM1	6.729906	3.93673	4.646549		6.414467	4.169722	50.23887	4.1592984	11.4708	
641	BLM	9.711207	10.7692	5.25732	13.82153	10.43608	16.21615	92.31526	11.873285	21.3	
51514	DTL	8.694925	11.3709		12.33252	5.387603	34.29345	83.23525	6.7363605	23.1501	
Consensus Differentially Expressed Cell Death Genes in Human ESCs Compared to HDFs (expressed as fold change*)											
Entrez ID	Gene Name	Chin	Lowry	Munoz	Bock	Ebert	Maherali	Sun	Yu	Average	
26585	GREM1	-591.24	-141.896	-625.374	-70.3066	-213.81	-7.68564	-299.02673	-288.10297	-279.68	
4982	TNFRSF11B	-276.801	-126.418	-158.862	-72.7927	-89.0737	-42.5723	-11.223769	-263.79892	-130.19	
301	ANXA1	-598.879	-4.06351	-10.5013	-22.5804	-16.2706	-2.42314	-26.51238	-17.868464	-87.387	
6926	TBX3	-103.373	-67.559	-62.5749		-67.692	-53.4182	-2.236579	-170.53738	-75.342	
7474	WNT5A	-104.152	-68.4885	-65.2587	-15.8783	-69.6664	-48.8407	-18.181353	-139.34644	-66.227	
26471	NUPR1	-45.6098	-22.2826	-29.8038	-147.485	-62.7758	-40.1612	-18.696962	-67.66427	-54.31	
5055	SERPINB2	-46.8379	-44.163	-89.6355		-23.8713	-47.9158		-77.08796	-54.919	
3486	IGFBP3	-77.1626	-56.4571	-20.2719	-26.3957	-117.877	-29.5615	-25.374542	-160.91962	-64.252	
1031	CDKN2C	-68.4687	-52.8736	-28.04	-46.6081	-68.5894	-41.4705	-13.20755	-112.70786	-53.996	
3428	IFI16	-68.5851	-49.8717	-16.7065	-23.7062	-73.0041	-38.9466	-41.710606	-130.43983	-55.371	
5552	SRGN	-36.783	-13.9253	-11.5822	-140.164	-29.9422	-16.9057		-78.71995	-46.86	
3357	HTR2B		-15.414				-18.6541	-83.39201	-27.669928	-36.283	
23213	SULF1	-18.991	-25.3965		-35.2596	-17.7747	-124.759	-12.370111	-52.32181	-40.982	
56892	C8orf4	-36.1588	-65.062				-15.9039		-104.541885	-55.417	
8988	HSPB3	-71.3422	-33.8671		-13.859	-58.0681	-13.6017		-72.14525	-43.814	
7057	THBS1	-19.0407	-72.5131	-13.8339	-26.4937	-35.3526	-18.017	-63.00353	-41.542957	-36.225	
7291	TWIST1	-103.269	-21.3257	-27.8589	-12.0063	-48.9252	-13.9105	-10.366076	-48.503216	-35.771	
3481	INS	-27.6289	-11.5083				-62.3862		-27.132471	-32.164	
6347	CCL2	-24.0452	-100.266	-41.6254	-14.0945	-5.39221	-13.2275		-33.826733	-33.211	
847	CAT	-6.50433	-82.9316	-6.10743	-8.8585		-13.8707	-73.71571	-19.387499	-30.197	
10395	DLC1	-74.6151	-22.6631	-46.8277	-6.04654	-35.3357	-11.5719	-23.250784	-36.017857	-32.041	

5325	PLAGL1	-37.4923	-44.3862	-18.6738	-5.18854	-41.0757	-40.0711	-10.912663	-49.50233	-30.913	
2296	FOXC1	-50.1152	-25.3497	-6.80034		-30.4023	-41.1551	-7.9257317	-63.78171	-32.219	
114769	CARD16	-14.5112	-23.5309	-70.5023		-20.0043	-16.5515	-7.1225033	-11.060656	-23.326	
57491	PDCD6	-1.86845	-18.0794			-32.5481	-17.9542	-54.680443		-25.026	
7421	VDR	-3.00938	-2.33419	-10.0263	-10.8547	-2.01681	-2.47725	-143.53482	-2.376573	-22.079	
960	CD44	-39.5855	-11.7742	-68.6475	-14.2522	-28.8992	-5.30595	-4.880927	-23.611872	-24.62	
54739	XAF1	-22.525	-21.1353		-8.63204	-16.928	-12.6146	-63.926006	-7.6088033	-21.91	
3624	INHBA	-15.3979		-58.1693	-7.30115	-6.69889	-4.50505	-52.813995	-13.262563	-22.593	
3209	HOXA13	-22.2793	-24.9029			-1.59714	-46.6214		-37.260616	-26.532	
3956	LGALS1	-40.8772	-22.6546	-61.2956	-11.5274	-16.1121	-4.28179	-9.456869	-15.842323	-22.756	
1311	COMP		-1.97485			-11.4899	-1.67837	-74.33507	-2.6300454	-18.422	
130497	OSR1			-23.3075		-25.4625	-4.77169	-33.933674	-3.403194	-18.176	
837	CASP4	-22.2511	-17.211	-30.3555	-33.5539	-12.665	-16.5843	-16.903402	-23.228231	-21.594	
1410	CRYAB	-37.6697	-9.66423	-3.94741	-36.5427	-38.6823	-12.4602	-3.6044428	-23.60214	-20.772	
355	FAS	-25.3883	-10.7059	-16.8447	-30.1656	-17.206	-3.78693	-37.42168	-18.780146	-20.037	
340061	TMEM173	-12.7044	-12.8842	-3.79774		-45.9046	-37.3972	-5.16628	-46.278355	-23.448	
1130	LYST	-15.6094	-29.1584	-10.07		-22.3574	-18.7046	-21.277332	-21.194103	-19.767	
55504	TNFRSF19	-21.4777	-7.57654	-47.5671		-15.8396	-2.97176		-4.5973887	-16.672	
1012	CDH13			-7.43803		-10.2825	-7.64457	-50.18672	-5.807845	-16.272	
5054	SERPINE1	-36.3832		-24.3582	-9.24295	-7.98633		-10.385887	-7.630807	-15.998	
624	BDKRB2	-24.5112	-30.3227	-13.1048		-7.73278	-8.24625		-17.98057	-16.983	
9353	SLIT2	-16.7608	-27.352			-25.9958	-8.6584	-2.6458905	-18.438927	-16.642	
4000	LMNA	-23.9679	-10.8061	-26.4663	-7.6901	-28.5819	-4.78925	-6.717917	-14.161462	-15.398	
284	ANGPT1	-20.506	-18.7507		-17.1826	-16.2728	-3.46496		-18.454018	-15.772	
5077	PAX3	-20.6291	-6.70393				-17.4971		-36.037636	-20.217	
84141	FAM176A	-17.7157	-8.48482	-24.0307		-15.6535	-8.60436	-14.364166	-15.569353	-14.918	
5743	PTGS2		-13.6025			-24.7267	-4.23276	-16.630905	-35.86669	-19.012	
117581	TWIST2	-18.4914	-9.26687	-27.9887		-20.279	-2.53903	-9.288803	-15.401757	-14.751	
706	TSPO	-18.9635	-11.2369	-12.8515	-22.1971	-17.6254	-10.0878	-8.941145	-11.481432	-14.173	
3162	HMOX1	-12.6124			-2.92682	-5.26923	-2.00267	-49.360012	-4.7512503	-12.82	
7431	VIM	-7.25261		-22.587		-24.5511	-4.02503	-9.75768	-28.32873	-16.084	

2627	GATA6	-26.665				-8.92254		-4.886565	-27.077269	-16.888	
23345	SYNE1	-16.4721	-12.0852	-16.1834		-11.1717	-7.12187	-17.75005	-10.816995	-13.086	
2152	F3	-11.1549		-37.7046	-3.37423	-11.8602	-2.83665	-13.592487	-14.12071	-13.521	
10370	CITED2	-31.8805		-21.2483	-3.94229	-11.7303	-7.83877	-2.2590256	-13.994023	-13.27	
55332	DRAM1	-9.61128	-18.1119			-12.8992	-7.1859	-21.9535	-9.004726	-16.987246	-13.679
57761	TRIB3	-10.8615				-13.1073	-2.52026	-5.43742	-32.953915	-2.2239058	-11.184
834	CASP1	-12.2184	-20.2218	-8.30573			-13.2243	-17.8219	-5.759137	-17.737482	-13.613
3569	IL6	-4.99083	-38.4098	-3.74339	-16.3741	-14.4571	-3.51569	-8.364814	-13.19931	-12.882	
6310	ATXN1	-18.67	-16.9494			-4.8445	-5.46127	-16.0236	-14.994531	-8.435548	-12.197
3778	KCNMA1	-16.6331		-25.8024	-4.07809	-7.64766	-5.93495	-15.056285	-4.9087615	-11.437	
1508	CTSB	-7.73622	-19.1422	-13.1191	-5.19513	-17.9397	-9.75475	-14.333946	-13.467939	-12.586	
1956	EGFR	-9.03562	-15.1667	-10.2852			-23.2354	-8.21705	-5.2030544	-13.949138	-12.156
8877	SPHK1	-2.89949		-3.41147	-12.1847	-13.0937	-8.41734	-30.778439	-7.1059155	-11.127	
7076	TIMP1	-6.31682	-15.8003	-14.9497	-6.80171	-11.3142	-6.62421	-20.712063	-7.4425535	-11.245	
84674	CARD6		-3.63581	-8.91705			-6.50842	-1.52258	-37.604088	-3.9602497	-10.358
28986	MAGEH1	-17.189	-3.89446	-21.2056	-2.30991			-2.69773	-20.913084	-6.177482	-10.627
347902	AMIGO2	-19.2547	-9.2962			-6.22009	-4.16531	-15.6328		-15.1878395	-11.626
3202	HOXA5	-8.56412		-27.1178			-6.29454	-3.69505	-8.637931	-5.260531	-9.9283
10133	OPTN	-4.52184	-13.6373			-10.7032	-12.2327	-10.6694	-10.933534	-21.467678	-12.024
6586	SLIT3	-5.47856	-13.4971			-9.19962	-6.30192	-6.2461	-21.566053	-3.7497926	-9.4342
2908	NR3C1	-19.0222	-6.74463	-6.88737	-11.2264	-17.9222	-5.04746	-3.121139	-8.243035	-9.7768	
5468	PPARG	-7.87966	-8.0678	-10.6666			-4.01834	-3.67666	-22.517418	-9.30158	-9.4469
2303	FOXC2	-9.83964		-21.0079			-4.00788	-2.55104		-4.449947	-8.3713
1843	DUSP1	-8.66232	-4.69825	-19.7897	-4.99067	-10.7752	-5.30577			-14.589509	-9.8302
6910	TBX5	-9.68563	-5.34693	-27.1128			-4.19331	-1.6922	-6.0320206	-5.753958	-8.5453
4055	LTBR	-8.29137	-9.51462	-9.34437	-4.7064	-7.19684	-11.0435	-11.726415	-6.068666	-8.4865	
1029	CDKN2A	-7.56434		-21.5905	-7.17536	-7.84118	-6.2176	-2.2685523	-11.197906	-9.1222	
2619	GAS1	-11.7645	-5.54185				-8.87075	-12.0094	-5.245043	-5.115493	-8.0912
6495	SIX1	-6.83279	-4.61535	-7.27272			-4.58233	-3.5216	-22.347837	-4.5262256	-7.6713
4803	NGF	-8.86503					-10.2155	-2.33005	-11.041449	-9.596075	-8.4096
9532	BAG2	-25.8408	-3.46494			-4.76877	-4.13233	-2.05289		-3.1983442	-7.243

9263	STK17A	-8.09676	-2.25721	-13.8123	-6.81832	-4.07341	-2.15818	-16.610958	-4.515509	-7.2928	
7099	TLR4		-3.72052				-2.28365	-17.044048	-2.0401216	-6.2721	
6609	SMPD1	-5.23989	-5.90383	-8.74618		-12.4427	-6.94211	-6.8058376	-11.410292	-8.213	
2149	F2R	-1.95394		-17.7417			-2.84181		-3.5658634	-6.5258	
1649	DDIT3	-5.04947			-9.58003	-4.21433	-6.85021	-11.524605	-5.7993474	-7.1697	
6446	SGK1	-17.4106			-2.50713		-1.69637		-3.7835855	-6.3494	
648	BMI1	-13.0029	-5.57907	-7.15347	-7.27511	-5.87363	-3.79488	-6.3400407	-6.0929446	-6.889	
307	ANXA4	-8.95192	-5.07646	-6.01382	-6.12807	-9.90064	-4.67976	-7.26313	-9.382614	-7.1746	
5698	PSMB9	-4.36493	-7.75378		-10.2084	-8.0343	-4.42051	-5.8966146	-8.420297	-7.0141	
1191	CLU		-8.21328	-1.51605		-14.7548		-2.6107929		-6.7737	
2898	GRIK2	-8.20763	-7.87398				-3.86446		-12.239027	-8.0463	
1026	CDKN1A	-2.88749	-9.62824		-7.89188	-8.37054	-7.33726	-3.6308286	-8.344449	-6.8701	
4487	MSX1	-3.32963				-14.1738	-5.96004	-2.8916507	-2.8963299	-5.8503	
7164	TPD52L1	-3.30585			-6.01426		-5.49535	-10.643888	-1.5872524	-5.4093	
22861	NLRP1	-4.99585		-16.7701		-4.15345	-2.81362	-2.9984033	-4.224172	-5.9926	
8682	PEA15	-15.676	-4.23335		-5.77602	-3.5588	-2.71276	-5.5514865	-2.4032583	-5.7017	
389	RHOC	-8.38837	-3.98832	-9.045	-6.31227	-6.47499	-2.76475	-6.690237	-5.2399364	-6.113	
5578	PRKCA	-8.37995	-4.65384	-9.09554		-3.50626	-5.52359		-3.1593575	-5.7198	
121457	IKBIP	-4.70523	-7.45703	-5.8285		-6.34301	-9.63659	-3.1619618	-5.025574	-6.0226	
196	AHR	-9.87349	-9.25195	-4.86272	-2.88849	-8.66265	-3.61766	-4.095967	-6.5636663	-6.2271	
4254	KITLG	-9.03901	-3.85115			-7.46278	-3.04558	-7.378341	-4.2097225	-5.8311	
4908	NTF3	-6.02239	-7.46941	-4.81523	-6.23118	-7.86813	-4.22247		-14.444768	-7.2962	
1490	CTGF	-15.6449	-2.46104		-3.81276		-2.44358		-3.2374728	-5.52	
148022	TICAM1	-3.97626	-3.13678	-3.3147		-3.00965	-2.28486	-20.545088	-3.9575176	-5.7464	
64135	IFIH1	-4.4226	-13.5272			-2.08634	-7.19325	-2.97834	-4.2411666	-5.7415	
2355	FOSL2	-9.69638	-7.90555	-4.31031	-5.2695	-2.06547	-2.2668	-9.1579685	-2.0488887	-5.3401	
2537	IFI6	-4.67017	-16.8262	-2.56211	-2.15664	-7.33665	-5.14467	-1.7563746	-11.316846	-6.4712	
602	BCL3	-4.31737	-7.94411	-3.20395	-4.469	-3.91674	-4.07336	-11.285452	-4.9772277	-5.5234	
51022	GLRX2	-11.9071			-4.91261	-3.2594	-2.05389	-5.629561	-3.2590415	-5.1703	
6772	STAT1	-4.35241	-6.1454	-2.99554	-4.83148	-4.7344	-2.79696	-12.983123	-4.068067	-5.3634	
219699	UNC5B		-2.17296				-2.87513	-11.45917	-2.3206148	-4.707	

2934	GSN	-5.45088	-6.34406	-1.60968		-10.9346	-5.50132	-3.109851	-10.205234	-6.1651	
1471	CST3	-3.72353	-8.91157	-6.10095	-2.9509	-5.49552	-7.17449	-3.6552615	-3.1031773	-5.1394	
4616	GADD45B	-4.8572		-3.69619	-7.76648	-4.85146	-2.61641	-8.075827	-3.150487	-5.002	
6662	SOX9	-1.8489		-7.48729				-6.4134645	-2.4392402	-4.5472	
2113	ETS1	-6.54385		-7.90394		-2.45107	-2.65804	-6.545812	-3.1451278	-4.8746	
5621	PRNP	-6.21679	-8.19964		-4.92306	-4.89098	-3.69724	-3.3355453	-5.1349006	-5.1997	
64393	ZMAT3	-3.85805	-4.92578	-5.52329	-4.86015	-4.63935	-5.22838	-7.075678	-3.1737316	-4.9106	
3981	LIG4	-1.85806	-2.15709	-3.89668			-1.82647	-15.948401	-3.4083152	-4.8492	
840	CASP7	-6.38619	-4.81681		-6.11066	-4.47849	-3.76066	-5.2448015	-5.163224	-5.1373	
2122	MECOM	-6.17483	-2.73163	-7.84386		-5.91208	-2.1836		-6.8943987	-5.2901	
1051	CEBPB	-6.8565	-5.32179		-2.92134	-4.94525	-5.90795	-3.4282582	-4.976154	-4.9082	
55973	BCAP29	-3.64718	-3.91028	-10.3738	-6.63156	-3.06283	-2.92874	-3.5015354	-2.5266001	-4.5728	
5533	PPP3CC	-4.21029	-3.4721	-6.59984	-4.98182	-3.82813	-3.61807	-7.2736955	-4.1063294	-4.7613	
7040	TGFB1	-6.51309		-4.57465		-4.95836	-2.40014	-5.7435617	-2.8161838	-4.501	
4217	MAP3K5	-2.25622	-4.60711	-9.68298		-2.5511			-2.8938105	-4.3982	
5295	PIK3R1	-10.4939	-5.07908	-2.51824	-1.96992	-3.37436	-5.15607		-3.381083	-4.5675	
8717	TRADD	-3.56984	-3.5728	-3.919	-6.71525	-3.96835	-3.97262	-7.324098	-3.7303982	-4.5965	
2730	GCLM	-10.8578		-4.62636	-3.47193	-3.41786	-1.59769	-4.136382	-3.184667	-4.4704	
1203	CLN5	-6.46483	-4.83052	-5.47898	-4.62955	-3.59225	-3.79281	-3.8192985	-3.1892977	-4.4747	
3084	NRG1			-3.2056		-8.38253	-2.1826	-4.691546	-4.467274	-4.5859	
4208	MEF2C			-2.39957		-9.30125	-1.567	-4.891407	-4.1887927	-4.4696	
25999	CLIP3	-1.92121	-4.75651		-3.58908	-4.59189	-6.41335	-5.7202263	-7.420153	-4.9161	
5594	MAPK1	-6.55098		-5.38985		-1.5626		-3.7851152	-2.4766674	-3.953	
538	ATP7A	-2.98478	-1.97387			-1.72219	-7.11378	-7.795027	-5.6558127	-4.5409	
5581	PRKCE	-4.63862		-3.75888		-5.87652	-4.45452	-2.157784	-4.2216988	-4.1847	
665	BNIP3L	-3.32711	-3.54473		-4.71637	-2.43343	-4.74716	-6.216363	-3.1163583	-4.0145	
604	BCL6	-1.64494	-4.46528			-5.08261	-5.32511	-4.2872043	-6.811439	-4.6028	
4790	NFKB1	-4.88906	-4.7696			-4.44511	-2.64358	-3.9464972	-2.843979	-3.923	
572	BAD	-4.28952	-2.90041	-6.56707	-5.95742		-2.39992	-2.6133459	-2.1705973	-3.8426	
1611	DAP	-4.93016	-3.16447	-7.9627	-1.69532	-3.71393	-4.12634	-3.0763743	-3.7378762	-4.0509	
51062	ATL1	-3.69295		-5.87898			-1.89152	-4.902761	-1.6197212	-3.5972	

9531	BAG3	-5.13713		-5.87347	-1.65411	-3.85614	-2.59589	-5.343815	-3.6469362	-4.0154	
54507	ADAMTSL4		-6.94284			-2.16779	-2.87506		-2.7385778	-3.6811	
8535	CBX4	-6.12145	-3.74085			-4.57848	-1.85301	-3.6560488	-5.9674935	-4.3196	
5899	RALB	-5.22801	-2.05329	-5.56743	-2.91528	-4.10186	-2.04609	-5.269558	-3.8981035	-3.885	
6648	SOD2	-4.84427	-3.61567	-7.82319	-2.54805	-2.06747	-2.23343		-1.921321	-3.5791	
2629	GBA	-3.30458	-3.45515		-1.57861	-5.1685	-4.23086	-5.213767	-4.282141	-3.8905	
2690	GHR					-6.2189	-1.67648	-3.4770744	-9.669763	-5.2606	
9262	STK17B	-3.94968	-4.80986	-7.75435		-2.37881	-1.76889	-2.0335135	-2.621011	-3.6166	
4091	SMAD6	-3.71806				-3.61331	-3.98096		-5.6231604	-4.2339	
3725	JUN	-4.03449		-4.87038		-4.43409	-1.63524		-3.3734767	-3.6695	
81537	SGPP1	-2.03027		-6.13732		-1.82009	-2.47093	-6.1660323	-1.5635506	-3.3647	
7132	TNFRSF1A	-3.15064	-5.53317		-2.09529	-3.48514	-3.78052	-4.1254563	-2.8634446	-3.5762	
1200	TPP1	-3.99156	-5.09329	-3.05471	-1.57837	-3.92087	-6.22458	-1.8682575	-4.83344	-3.8206	
4488	MSX2	-2.5072					-3.34127	-5.152016	-2.0195086	-3.255	
23529	CLCF1	-2.79898				-2.72314	-5.35335		-2.1887612	-3.2661	
8741	TNFSF12	-2.88879	-2.67701			-2.9671	-4.12993	-5.3061123	-2.780304	-3.4582	
653553	HSPB1	-3.88628	-3.07971	-5.35037	-2.45203	-4.65293	-2.83214	-2.7765965	-4.26084	-3.6614	
57630	SH3RF1	-4.49611				-2.43744		-3.6968532	-3.1677716	-3.4495	
30011	SH3KBP1	-2.83689	-3.61567	-3.97732		-3.59025	-2.28644	-4.9082375	-3.8582804	-3.5819	
10955	SERINC3	-4.15784	-3.26161	-5.78211	-2.22928	-3.4251	-2.32169	-3.5056846	-2.8655863	-3.4436	
8837	CFLAR	-4.06985	-4.92444	-3.06596	-4.33764	-4.09653	-2.03386	-2.0211873	-2.4822252	-3.379	
10519	CIB1	-4.6241	-2.07666	-4.73636	-4.67847		-2.09535	-2.7987704	-2.2527738	-3.3232	
3553	IL1B		-2.81616			-1.70453	-1.82219	-7.543804	-2.1053777	-3.1984	
324	APC	-2.75623		-3.89575	-1.57757			-5.5797186	-1.6363362	-3.0891	
27252	KLHL20	-9.29199	-1.68046		-2.6773	-1.86183	-1.6032		-2.6442485	-3.2932	
7204	TRIO	-1.99277		-3.19556		-3.49331	-1.6916	-6.6586137	-2.2528474	-3.2141	
4276	MICA	-3.31312		-6.95849	-3.21153	-2.67397	-2.46594	-1.6257842	-3.6055462	-3.4078	
3688	ITGB1	-2.19311	-2.91096	-2.17058	-2.16429	-3.01006	-2.68439	-8.215279	-2.4182382	-3.2209	
388	RHOB	-5.87982	-2.35683	-3.79601			-1.67534	-2.9171658	-2.5211494	-3.1911	
308	ANXA5	-6.0035	-2.70875	-4.26408	-2.94838	-3.19827	-1.59695	-2.4298506	-2.5162494	-3.2083	
2668	GDNF	-3.37406				-2.9906	-1.80975	-4.9550233	-3.7124183	-3.3684	

23612	PHLDA3				-3.12933	-2.44813	-2.55146	-4.9113097	-1.9355884	-2.9952	
9540	TP53I3	-5.55351			-1.8305	-2.55485		-3.055401	-1.777932	-2.9544	
113419	TEX261	-4.95732	-3.65526	-1.57215	-2.22063	-4.7846	-2.68915	-2.8175254	-5.184893	-3.4852	
92140	MTDH	-3.38967	-2.78309	-4.28441	-1.57803	-3.24228	-3.42071	-3.9969194	-3.1829329	-3.2348	
369	ARAF		-3.29253			-3.1173	-3.19267		-3.6097958	-3.3031	
5696	PSMB8	-2.20234	-2.4293		-4.65396		-3.6143	-3.0389519	-1.8674995	-2.9677	
5339	PLEC			-2.78883	-1.89829	-4.70697	-2.92746	-3.46579	-4.1920543	-3.3299	
84883	AIFM2	-5.44684	-2.07594	-4.40763		-2.41934	-1.82748	-2.6691518	-2.7894495	-3.0908	
8996	NOL3	-1.65365	-2.04327			-2.50902	-6.34168		-2.4472857	-2.999	
23241	PACS2	-1.99243				-2.5912	-2.89403	-5.063631	-3.1524262	-3.1387	
51100	SH3GLB1	-1.85741	-1.92126	-5.61622	-3.3687	-3.3728	-2.75016	-2.8173933	-2.7907314	-3.0618	
10193	RNF41	-3.91266			-2.88286		-1.92641	-3.5531104		-3.0688	
5025	P2RX4		-2.51963			-2.71618	-3.0042	-4.0323343	-2.1998546	-2.8944	
1647	GADD45A	-3.90969					-1.87981	-3.3448896	-2.4710174	-2.9014	
23645	PPP1R15A	-1.96244					-3.01184	-4.138406	-2.318912	-2.8579	
7128	TNFAIP3	-2.35302	-4.52287	-4.05279		-1.95218		-2.297021		-3.0356	
6788	STK3	-2.13335	-2.20166			-2.85376		-2.54412	-5.4152446	-1.6438017	-2.7987
10114	HIPK3	-2.77664	-4.23919			-2.41108	-2.68379		-2.6237333	-2.9469	
10616	RBCK1	-1.72562				-2.9548	-2.44106	-3.43691	-4.468342	-2.8767319	-2.9839
3717	JAK2		-2.78151	-3.9638		-2.6125	-2.08939	-3.4806752	-1.7302498	-2.7764	
23604	DAPK2	-2.24546	-2.67932			-2.82735	-4.13616		-1.850856	-2.7478	
6461	SHB	-2.77917		-5.15875		-1.80122		-2.033016	-2.4759135	-2.8496	
90	ACVR1	-2.53568	-1.81839	-2.87739		-2.96339	-2.70384	-4.736651	-4.06095	-3.0995	
10783	NEK6	-2.90044	-2.22134	-3.97064		-3.96215	-2.28698	-2.2541687	-2.1291993	-2.8178	
7320	UBE2B	-1.99238	-1.63228			-3.36105	-2.54301	-2.38693	-5.479225	-1.7457978	-2.7344
51065	RPS27L	-2.16477	-1.99208			-2.90492	-4.36764	-3.5983	-2.3571146	-2.522985	-2.844
6197	RPS6KA3	-4.40147	-2.30152	-2.83718	-1.89662	-2.97933	-1.79502	-4.0448565	-3.162635	-2.9273	
2683	B4GALT1	-3.27004	-2.52552	-3.4018	-2.00998	-2.23954	-2.36389	-4.428452	-2.1994867	-2.8048	
8878	SQSTM1	-3.20422		-2.7106	-1.58781	-4.58799	-2.09455	-2.9870946	-4.4397144	-3.0874	
23365	ARHGEF12	-4.07155	-2.10903	-3.71355	-1.51283	-1.86152	-2.54546	-4.1748824	-1.8658471	-2.7318	
27250	PDCD4	-2.28452	-2.6109			-2.56514	-2.3818	-4.59738	-2.6891963	-2.3937185	-2.789

396	ARHGDI1	-3.77685			-2.29193			-2.460667	-1.5799289	-2.5273	
7126	TNFAIP1	-3.24335	-2.64712	-3.45048	-2.06988	-2.45673	-2.57882	-3.3794417	-2.8815384	-2.8384	
663	BNIP2	-5.47191			-1.91795		-2.08121	-1.7374974	-1.9104105	-2.6238	
55081	IFT57	-6.25275	-1.90154			-2.30997	-1.86981	-1.6401656	-2.1100068	-2.6807	
10670	RRAGA	-4.10758	-2.1837	-3.89784	-1.90682	-2.86278	-2.19664	-2.3832207	-2.636499	-2.7719	
83593	RASSF5	-3.9144	-2.37373				-2.02188		-1.9495349	-2.5649	
5970	RELA	-2.62507	-2.85535		-3.40128	-2.19807	-2.61162	-2.7965715	-2.8472161	-2.7622	
8915	BCL10	-2.62065			-1.88671			-3.6785946	-1.6504925	-2.4591	
5728	PTEN	-5.35233	-1.5241			-2.52315	-1.68933	-2.334895	-1.9511355	-2.5625	
8793	TNFRSF10D	-1.68487				-1.52778	-1.63291	-5.859208	-1.6436653	-2.4697	
83941	TM2D1	-1.97764	-2.95694		-3.72264	-2.27865	-3.2719	-1.8288107	-2.0180852	-2.5792	
80013	FAM188A	-3.31787	-2.4142	-4.15553	-2.96747	-2.06268	-1.78105	-1.9632419	-2.1307623	-2.5991	
5695	PSMB7	-1.86382		-3.06252		-3.03697			-2.1164165	-2.5199	
8870	IER3	-2.36058		-3.66605	-2.90856		-1.57293			-2.627	
340371	NRBP2		-2.40382			-2.06012	-3.35683	-2.6412008	-2.4823706	-2.5889	
57099	AVEN	-4.15664			-1.57224		-1.60456	-3.066536	-1.6978534	-2.4196	
9274	BCL7C	-2.57634	-1.51537		-3.39424			-2.8155816		-2.5754	
57142	RTN4	-2.10681		-3.40556		-1.71861	-3.03216	-2.6010783	-1.7655246	-2.4383	
65018	PINK1	-1.79579	-1.60672		-3.85966	-2.90123	-2.65626		-3.076228	-2.6493	
7507	XPA	-3.65905	-2.23739		-2.60453		-2.47871	-1.8264557	-1.8665775	-2.4455	
9897	KIAA0196	-3.43509		-2.62323			-1.57072		-2.1277812	-2.4392	
6655	SOS2	-2.91068	-1.74295	-3.60441		-2.12048	-2.25166		-2.5988364	-2.5382	
8200	GDF5	-1.81765				-3.20829		-2.5506372	-2.3885498	-2.4913	
728590	RPS27A	-3.29655		-1.6117	-2.60575				-1.6832949	-2.2993	
841	CASP8	-2.29607	-2.96402		-2.12376	-2.57195			-2.2549236	-2.4421	
5715	PSMD9	-3.25983	-1.72091	-3.98148	-1.95041	-2.63971	-1.51245	-2.345918	-2.2066576	-2.4522	
5921	RASA1	-2.02506		-3.5393			-1.8745		-1.8414135	-2.3201	
4763	NF1	-2.85134					-2.07739	-2.5014987	-1.7987366	-2.3072	
652797	PKM2	-2.54427		-2.26934			-1.56438	-3.4652438		-2.4608	
3570	IL6R	-1.92399	-2.88907			-3.27087	-1.7499			-2.4585	
64170	CARD9		-2.67816				-2.62695	-2.069054	-2.70313	-2.5193	

3611	ILK	-4.09251	-1.73201	-2.72841	-2.03119		-1.99708	-2.1426253	-1.9328955	-2.3795	
64802	NMNAT1	-2.50235	-2.22175	-3.05355		-2.25392	-2.234		-2.895764	-2.5269	
7534	YWHAZ	-3.98871			-1.78521			-1.5741535	-2.0326183	-2.3452	
64121	RRAGC	-2.39113			-1.61173	-2.96505	-2.23376	-3.0440547	-2.2563043	-2.417	
1603	DAD1		-1.53274		-2.51308			-3.2882423	-1.596559	-2.2327	
3275	PRMT2	-2.2615	-2.18335	-2.693	-1.9831	-2.40771	-2.61044	-2.970296	-2.6889162	-2.4748	
7067	THRA	-3.32496	-1.73962	-1.92139	-1.94053	-2.70703	-2.06449	-3.4000165	-2.3979194	-2.437	
8061	FOSL1					-3.28334	-1.7664	-2.2647552	-3.014112	-2.5822	
259230	SGMS1	-4.00459			-2.14982		-1.9255	-1.6573454	-3.2393363	-2.5953	
318	NUDT2	-2.69005	-1.51804	-1.68413	-3.82127				-1.7721778	-2.2971	
11277	TREX1	-1.73609		-1.57719	-2.11983			-4.2628784		-2.424	
400750	HSPA5		-2.72517	-2.17831		-2.14387	-2.19905	-2.797213	-1.6057631	-2.2749	
8660	IRS2				-1.54389	-2.43793	-4.03779	-1.5584075	-3.138736	-2.5433	
87	ACTN1	-2.65918				-1.59181	-1.6501	-3.6550477	-2.370878	-2.3854	
1793	DOCK1	-2.70827	-2.6258	-1.75704		-1.82134	-3.03146		-2.370685	-2.3858	
3304	HSPA1B		-1.84532			-2.46508		-2.8530152	-3.216808	-2.5951	
83464	APH1B	-1.76056	-2.00918		-3.03636	-2.73505	-2.35527	-2.4123766	-2.4832666	-2.3989	
28988	DBNL	-3.41724	-1.86895			-2.1285	-1.57842	-2.9143243	-1.5619411	-2.2449	
5290	PIK3CA	-2.07468	-1.88743		-2.46734		-2.25324	-3.2114193	-2.6260905	-2.42	
23705	CADM1	-2.07826		-3.22281			-1.76937		-2.5812922	-2.4129	
10015	PDCD6IP	-2.81856		-2.91386		-1.6973	-1.78035	-2.572551	-1.9174411	-2.2833	
9459	ARHGEF6	-1.75974			-2.19519	-2.72702	-2.68862		-1.6713816	-2.2084	
8678	BECN1	-2.51637				-1.74544		-2.7384043	-1.8115282	-2.2029	
329	BIRC2	-2.11915	-1.68888	-3.24416	-2.72265			-1.736288		-2.3022	
3836	KPNA1		-1.8362		-1.6426		-2.28268	-3.4263427	-1.8231655	-2.2022	
4853	NOTCH2	-2.05616	-2.20034	-2.53788		-2.42519	-2.35395	-2.1524951	-2.7491167	-2.3536	
5916	RARG		-1.83907			-2.12374	-3.1762	-1.9984376		-2.2844	
11035	RIPK3		-2.46363			-2.19736	-2.16039		-2.334375	-2.2889	
9828	ARHGEF17	-1.96891	-2.19383	-2.46058	-2.22754	-2.02606	-2.65495	-2.3616953	-2.5458255	-2.3049	
9500	MAGED1	-1.58073	-2.12188	-2.65334		-2.11546	-2.30079	-2.8444865	-2.1662447	-2.2547	
382	ARF6	-2.65444		-2.38202				-1.7401412	-1.9148166	-2.1729	

1831	GRAMD4	-2.19085			-2.05256		-2.39264	-2.3765543		-2.2531
9181	ARHGEF2	-1.77059			-2.19497	-1.63125	-1.70837	-3.9428751	-1.5857213	-2.139
5467	PPARD	-3.46713	-1.7183		-1.71759	-2.10376		-2.1811972	-2.9556541	-2.3573
23210	JMJD6	-1.72289		-2.89514	-1.61246	-1.68929	-1.57961	-3.9180446	-1.904225	-2.1888
4088	SMAD3	-2.2921	-1.95672	-3.45947		-1.83912	-1.60037		-2.342279	-2.2483
637	BID	-3.41249	-2.69039		-1.81348	-1.6433	-1.56918		-1.6423093	-2.1285
7071	KLF10	-2.24608			-1.61904		-1.58033	-3.4491777	-2.868286	-2.3526
80829	CNTF	-1.71655	-2.13898	-2.02905		-2.46806	-1.95187	-3.0263584	-2.4691365	-2.2571
2247	FGF2	-1.9229			-2.29851	-2.43259			-2.9795516	-2.4084
57600	FNIP2	-2.76738					-2.29628	-1.5132412	-1.8033488	-2.0951
63915	TXNDC5		-1.74835			-1.90745		-2.917977	-1.6030289	-2.0442
4335	MNT	-1.82327					-2.15398	-2.581065	-2.4955156	-2.2635
6256	RXRA	-2.39952	-2.31168			-2.24486	-2.06272	-1.8905656	-2.444083	-2.2256
4205	MEF2A	-1.64997	-2.25291	-2.1331	-2.76636	-2.36071	-2.1982	-1.8929687	-2.6498103	-2.238
9641	IKBKE	-2.89847	-2.07021			-1.98748	-1.70742		-2.4365141	-2.22
25816	TNFAIP8	-1.96874	-1.79541		-3.02451	-2.15072	-1.88414			-2.1647
51604	PIGT		-1.91823			-1.67734	-2.6033	-2.4197853	-1.554831	-2.0347
694	BTG1	-1.9379			-1.68275	-2.0867	-1.79242	-3.1632745	-1.7831438	-2.0744
81573	ANKRD13C	-2.50312	-2.62779	-1.98689			-1.5141	-2.0200772	-1.7222108	-2.0624
1889	ECE1	-1.75615	-2.53434	-1.95763		-2.42982	-1.95775		-2.296295	-2.1553
5720	PSME1	-2.18288	-1.99313		-2.70572		-1.73172	-2.0209522	-1.9838609	-2.103
50650	ARHGEF3	-1.86505				-2.68658		-1.8214667	-2.0557363	-2.1072
51024	FIS1	-2.30174			-2.67026		-1.63294	-1.8740803		-2.1198
140691	TRIM69	-2.04896				-2.37694	-1.92378		-1.9940239	-2.0859
10892	MALT1	-2.02211			-2.30135	-2.57793	-1.90407	-1.7546885	-2.1940458	-2.1257
2073	ERCC5	-2.968	-1.69775		-1.71644		-2.61294	-1.5119723	-2.2803838	-2.1312
7187	TRAF3	-2.07418	-2.52601	-2.32615			-1.76969	-1.8062365	-1.5491475	-2.0086
8737	RIPK1	-1.70915					-2.07813	-2.4851296	-1.5366633	-1.9523
8065	CUL5	-2.41523			-1.62415	-2.21318			-1.659148	-1.9779
6654	SOS1	-2.89003	-1.68987				-1.58158		-1.7939416	-1.9889
6497	SKI	-1.67795				-1.65485		-2.7166789	-1.6872463	-1.9342

599	BCL2L2	-2.41601	-1.80639			-1.88407	-1.69039	-2.2651978	-2.413747	-2.0793	
6198	RPS6KB1	-2.38642		-2.19054	-1.87589	-1.60275		-1.8390542	-1.7287807	-1.9372	
10922	FASTK	-1.52162	-1.66189		-2.28648	-1.97774	-2.03155	-2.3892503	-1.5543368	-1.9176	
83737	ITCH	-1.65328		-2.12671	-2.57729	-1.59798		-1.9217036	-1.535694	-1.9021	
9021	SOCS3	-2.27991	-1.71148			-2.1162	-1.75657		-2.017769	-1.9764	
29	ABR			-1.98448			-1.86699	-2.016849	-2.1686418	-2.0092	
6709	SPTAN1	-1.51438					-1.80577	-2.546163	-2.177394	-2.0109	
81	ACTN4	-1.94705				-1.90522	-1.81192	-2.0907722	-1.9560163	-1.9422	
54476	RNF216	-1.93325	-1.61136			-1.61222	-2.54126		-1.5742754	-1.8545	
207	AKT1	-2.18807		-2.00373	-1.55032	-1.72461	-2.1071			-1.9148	
65264	UBE2Z	-1.6645				-1.54898		-2.520014	-1.6633577	-1.8492	
652346	PML	-1.73129	-1.95117	-2.02897		-1.6922	-2.33363	-1.6393787	-2.6810765	-2.0082	
9907	KIAA0415	-1.8559				-1.9385	-1.61911	-2.1697702	-1.8399588	-1.8846	
8887	TAX1BP1	-2.33592	-1.52721	-1.88866	-1.95914		-1.72445		-1.7493893	-1.8641	
8517	IKBKG	-1.68226	-1.55087				-1.71662	-2.5947928	-1.6480025	-1.8385	
2309	FOXO3	-1.6658	-2.32958			-1.61186	-1.94302	-1.8594067	-1.6003851	-1.835	
1476	CSTB	-1.7071			-1.85409		-2.03035		-2.8014007	-2.0982	
55031	USP47	-2.13954	-1.61169		-1.688	-1.88905	-1.67833		-1.8060174	-1.8021	
63916	ELMO2		-2.04428				-1.64901	-1.6796598	-1.6044532	-1.7444	
4209	MEF2D		-1.52228			-1.82846	-1.95675		-2.0390437	-1.8366	
5663	PSEN1		-1.81045				-1.66228	-1.8101583	-2.2015452	-1.8711	
123879	DCUN1D3	-1.94949	-1.68245			-1.74461		-1.6260211	-2.0564213	-1.8118	
118	ADD1	-1.81395		-1.71678			-1.64052		-2.1376228	-1.8272	
80331	DNAJC5	-1.76891	-1.60724					-1.5891899	-1.5205008	-1.6215	
3039	HBA2		1.50132				1.530367	1.6396698	2.4758253	1.7868	
9217	VAPB		1.57071		1.797999	1.587654	1.537537			1.62348	
10285	SMNDC1		1.89873		1.562601		1.531754	1.511724		1.6262	
55240	STEAP3	1.696599			1.683031		1.829548		1.801804	1.75275	
6908	TBP		1.60039		1.798448	1.827117			2.0926921	1.82966	
729686	NPM1		1.55022			1.638031	1.872963	2.0098252		1.76776	
1844	DUSP2	2.097442	1.71862				1.586934		1.6239452	1.75673	

4170	MCL1	1.526982			2.215951		1.677099		1.6940967	1.77853	
11132	CAPN10	2.024989		1.576973		1.689878		1.9398661	1.863076	1.81896	
100133692	CDK11A	1.510083		1.576724	2.36465				1.830417	1.82047	
5707	PSMD1		2.03078		1.524337	1.504072	2.225869		2.3011384	1.91724	
8428	STK24		1.51861		2.264496	1.724648			1.6517498	1.78988	
7186	TRAF2	1.958435	1.74293			1.594663		2.0976455		1.84842	
4976	OPA1		2.02312			1.809908	1.773303		1.5145131	1.78021	
5690	PSMB2		2.10691		1.583741		2.053747	1.7360088	1.7679924	1.84968	
5685	PSMA4		2.06991				1.882936	1.6667649	1.670974	1.82265	
11124	FAF1	2.311378	1.55276		1.768775			1.8663498	2.2707148	1.954	
5709	PSMD3	1.683114			2.305047		1.933095	1.5852968	2.151274	1.93157	
5062	PAK2		1.71728		1.967284		1.947765		1.7104307	1.83569	
55749	CCAR1	1.573061	2.16169	1.714491			2.075362	1.8632557	2.438613	1.97108	
26230	TIAM2	1.636112	1.89555	2.763166		1.602472	1.503274		1.9435991	1.8907	
80025	PANK2	1.745713	2.36964	1.699806	2.0408		1.551074			1.88141	
2739	GLO1	1.594082	1.96801			1.81081	2.074202	1.9814434	1.9910235	1.90326	
10313	RTN3	1.924354			1.740044	1.995162			3.2414045	2.22524	
6453	ITSN1	1.546509	1.56469	1.958576	2.350604			2.028033		1.88968	
2055	CLN8	2.272116	2.13832			1.711389	1.564683	1.7681036	1.8963459	1.89183	
84524	ZC3H8		2.20587			1.882834	1.606438		2.7702963	2.11636	
26580	BSCL2	1.783521	1.63194	1.989534			2.201343		2.1451578	1.9503	
27315	PGAP2	1.516195	1.58422		2.616139		1.916051		2.1243885	1.9514	
6620	SNCB					1.97854	1.907186	1.849301	3.625312	2.34008	
842	CASP9		2.59113	2.249103	1.622648	1.71086	1.597042	1.7588552	2.1191974	1.94983	
7703	PCGF2		1.63331	2.343408	1.940064	1.86834				1.94628	
2950	GSTP1		2.30411		1.51827		2.404715	1.5704021	1.5639	1.87228	
8087	FXR1	1.515809	2.9034	2.1354	1.547897	1.605356	2.079861		2.3182368	2.01514	
117584	RFFL		1.94818			1.864341	2.096795		2.0952258	2.00113	
10277	UBE4B		1.69497		2.280076			1.9587951	1.850782	1.94616	
5684	PSMA3		1.80314				1.978973	2.1552324	1.7115958	1.91224	
135	ADORA2A	2.37935	1.89376			1.649886	1.996603		1.8975916	1.96344	

728599	CIAPIN1		1.99808		1.702163	2.158622	1.622136	2.430997	1.6254617	1.92291	
80196	RNF34	2.138655	1.58573		1.676612	2.766502	1.760443		2.2477622	2.02928	
442308	TUBB		2.0055		2.143837	1.59249	1.889312	2.3381214	1.6878091	1.94284	
900	CCNG1	2.120338	1.58186	2.872824	1.796227		1.621984			1.99865	
7486	WRN	1.588534	2.20403				2.242954		1.5296283	1.89129	
81542	TMX1		1.8713			1.97074	2.206412		2.268076	2.07913	
8454	CUL1	2.231089	1.65223					2.1863115	2.1126564	2.04557	
22868	FASTKD2		2.24948			1.735176		2.0908673	1.5479181	1.90586	
10013	HDAC6	1.593994			2.285651			2.2106924	1.5502354	1.91014	
25791	NGEF	3.347794	1.58405			1.552568	1.687067		2.4169548	2.11769	
55825	PECR	1.879177			2.148675		2.288942	1.8635204	1.613275	1.95872	
5584	PRKCI		2.3026		2.010726	2.27712	1.59197		2.587333	2.15395	
1616	DAXX		2.073		2.436385		1.646098		1.8345441	1.99751	
26123	TCTN3	2.00125	1.67104	3.369702	1.680932	1.538844	2.050705		1.7241575	2.00523	
10449	ACAA2		2.33329			2.048815	1.604728	2.2219872	3.3401392	2.30979	
5599	MAPK8		2.48332	2.071093		1.632338			2.5559986	2.18569	
55819	RNF130	2.102051	1.85524	2.642951	2.001107	2.095203	1.738227		2.4296691	2.12349	
60493	FASTKD5	1.836912	1.99842			1.988166	2.148927	2.3901734		2.07252	
8312	AXIN1	1.641687		2.885084		1.712902			1.5034982	1.93579	
2901	GRIK5	2.009867		1.573278		3.101835	1.65593		3.5971403	2.38761	
10105	PPIF				1.6637		2.25262	2.350362	2.1381402	2.10121	
23198	PSME4	1.600683	2.28332		1.607837	2.466263	2.510499		1.6879932	2.0261	
25865	PRKD2	1.983683	1.88464		1.779649	2.729547			2.1550486	2.10651	
642812	API5	2.547577	1.77869	2.600436		1.68021	1.877375		2.0958776	2.09669	
440917	YWHAE		1.9048				2.231226	2.18303	4.8951087	2.80354	
9984	THOC1	2.607791	2.09475	2.413442		1.881409	1.553737		2.2059052	2.12617	
5883	RAD9A		2.10186	1.895252		2.507187		1.9373345	2.6843548	2.2252	
5292	PIM1		1.60136		2.264421	2.490978			1.5836451	1.9851	
92609	TIMM50		2.51065			2.453709	1.998162	1.6681883	2.5759058	2.24132	
10383	TUBB2C		2.03323		1.950333		2.506315	2.142675	1.707085	2.06793	
55201	MAP1S	1.754798	1.95451			2.626672	2.307113		2.5640972	2.24144	

10116	FEM1B	1.649319	2.0611		3.221108	2.252024	1.621402		1.6455934	2.07509	
84433	CARD11	2.164172	1.80781	2.220452		1.896993	1.603788	3.3701866	2.2371812	2.1858	
6934	TCF7L2	2.441064	1.8383	3.025389	2.601085	1.701405	1.521335		2.3318124	2.20863	
7001	PRDX2	2.74438	1.85469	2.18547	1.890201	1.694727		2.9365466	1.9478256	2.17912	
9238	TBRG4	2.001572	3.20654		1.653681	2.321314	2.216974	1.9825263	3.3925815	2.39646	
7323	UBE2D3		2.11619			2.291244	2.289859		1.6830506	2.09508	
11218	DDX20		2.47991			2.674313	1.865365	1.9215605	1.8630162	2.16083	
7520	XRCC5	1.635532	3.08616		1.860477	2.149497	2.633568	2.085613	1.97468	2.20365	
51447	IP6K2	1.892188	1.87182		3.490201	2.112565	1.59261	2.4955287	1.670973	2.16084	
230	ALDOC	1.776488			2.752203		2.199724		2.3843489	2.27819	
3313	HSPA9				1.649899	2.30398	2.776486		1.7955836	2.13149	
1723	DHODH	2.147599	3.04047			2.2296	1.639757	2.197997	2.616242	2.31194	
54982	CLN6	1.54324	2.544			2.008313	3.000043	2.215715	2.886539	2.36631	
9994	CASP8AP2	2.560989		1.965968	1.717433	2.107068	2.052213	3.212645	1.9545777	2.22441	
5134	PDCD2		2.63315		2.834176	1.523628	2.121695		3.0073135	2.42399	
2395	FXN				1.583604		3.67217	1.6074735	1.9066396	2.19247	
7072	TIA1	3.373159	2.46803	1.761012	1.790379	1.815778	1.513837	3.3153293	2.1810436	2.27732	
7415	VCP		1.89148		3.053796	1.744983	2.508847		1.5910867	2.15804	
3837	KPNB1		1.79263		3.414196	1.580347	2.463366			2.31263	
7082	TJP1	4.391812	1.63609		2.143484	1.777674	1.619869		2.2395754	2.30142	
10197	PSME3		2.11916		3.428453	1.800704	2.589517	1.6537014	2.3649004	2.32607	
10049	DNAJB6	2.366415	2.00218		3.182951	1.782617	2.26332		1.9999338	2.26624	
867	CBL	1.775186	2.32905			2.348344	2.832896		2.0116217	2.25942	
57805	KIAA1967	2.770178	1.95829			2.665473	1.937892		1.630746	2.19252	
2249	FGF4	2.495351				2.874671	1.646923		2.0630984	2.27001	
6687	SPG7	1.963925	1.53164		3.822992	1.508228		2.8725731	1.8531079	2.25874	
1676	DFFA	1.836968	2.43863		3.904618	2.035064	2.129547	1.7037098	3.1819925	2.4615	
100130561	HMGB1	1.697479	3.10374			1.908417	2.827111	2.229534	2.3196855	2.34766	
5423	POLB		2.33339			2.792364	2.211906	2.1126008	2.2515752	2.34037	
79811	SLTM		2.98935		2.425509	2.623443	1.624433	2.1620767	1.8240612	2.27481	
3714	JAG2	2.452405	1.6365			1.506064	1.522447	4.7608285		2.37565	

112939	NACC1	2.258176	3.18314		1.650544	2.212637	3.29385	1.7041942	1.9481514	2.32153	
7874	USP7	1.797304	2.27284		4.51086	1.968765	1.850216	1.9092327	1.7327198	2.29171	
6418	SET	1.679878	2.21973	2.077982	3.23812	2.190589	2.874895	2.5686793	2.1124296	2.37029	
642546	HK2	2.889661	2.00238		2.353094	2.1093	2.104234	3.0306807	1.6618794	2.30732	
5683	PSMA2		2.37918			2.604263	2.254192	2.4893172	2.4004862	2.42549	
8451	CUL4A	1.679859	2.20305			2.593862	3.333222		2.2339044	2.40878	
64782	AEN	3.015097	2.41803		2.540324	2.493441	2.485457	1.7979141	1.8794677	2.37568	
8883	NAE1		2.78954			2.117654	1.976862	2.9531648	2.278157	2.42308	
10428	CFDP1	3.708475	2.27142	2.34706	1.573924				1.7414622	2.32847	
90427	BMF	1.976745				1.844826		3.634355	1.6622475	2.27954	
29965	C16orf5	1.587352	3.28731			1.509029	3.336992	2.7072475	2.7645338	2.53208	
2729	GCLC		3.39629		2.509986	2.524273	1.73122	2.2932382	1.7805172	2.37259	
2935	GSPT1	2.26564	2.20125		2.37776		3.174322		1.8731687	2.37843	
51747	LUC7L3	2.540558	1.65046		1.765897	1.82641		4.8095717	3.000195	2.59885	
7184	HSP90B1	4.369087				1.701962	1.550742		1.5124282	2.28355	
285359	PDCL3	2.189376	3.47345				1.973769		1.8036146	2.36005	
7150	TOP1	2.335437	1.57269		4.172738		2.131459		2.9158428	2.62563	
5747	PTK2	4.10846	1.56509		1.67027	1.899231	1.993741	4.128044	1.7666034	2.44735	
9774	BCLAF1		1.71112				2.10882	3.8792093	3.22372	2.73072	
5538	PPT1	2.74215		3.139043	3.224514	1.890732	1.814207	2.5930405		2.56728	
4851	NOTCH1	3.914377	1.53065	3.035873	3.331471	2.263354	1.658192		2.0518188	2.54082	
55632	G2E3	1.857391	3.09688			2.889634	2.422661	2.9635954	3.7308137	2.82683	
6608	SMO	2.25355	1.69953			2.204606		4.5158	2.3478122	2.60426	
100134381	ARHGEF9	1.919899	2.93493	2.712683	3.678198	3.075278	1.816092		1.9336847	2.58154	
10497	UNC13B	1.831591	2.24741		4.532095		2.235156		1.5987293	2.489	
1499	CTNNB1			1.953881	2.608249	1.761346	5.524958	1.882455	1.7452947	2.57936	
3066	HDAC2	2.374153	3.63166	1.814883	2.404243	2.896462	2.849219	3.4321005	2.2753036	2.70975	
10939	AFG3L2	1.882611	3.01915		4.956591	2.320582	1.707907		2.0140233	2.65014	
9618	TRAF4	3.29633	2.87888	2.577713	1.529414	4.306164	2.144874		3.6044881	2.90541	
79767	ELMO3	2.816883	4.66568	2.279031		2.705352	1.566432		3.2005143	2.87232	
9131	AIFM1	1.544893			4.42067	1.632133		3.6927547	2.2656739	2.71122	

3480	IGF1R			2.897023	4.070672	2.941676	1.896054	2.3230376		2.82569	
81618	ITM2C	2.082125			3.752976	2.823175		2.6636438	2.0188365	2.66815	
1869	E2F1	2.014692				2.124207	1.508933	5.688527	2.5168467	2.77064	
6651	SON	1.676923	2.09522		8.242125	1.566667	1.676277	1.8983594	2.6437364	2.82847	
5717	PSMD11	1.588583	2.96315		3.830257	4.576628	1.508408		4.525053	3.16535	
79370	BCL2L14		1.54431				1.841703	5.3974686	2.5148187	2.82457	
23435	TARDBP	3.544699	1.98254		2.057066	2.883614	1.826418	5.3194237	2.551823	2.8808	
6304	SATB1	2.176647			3.683161	2.973503		2.9429877	1.9326311	2.74179	
152845	PLAGL2		2.54198		3.76691	4.014761	1.678757	2.78903	1.6900705	2.74692	
5245	PHB		2.90725		3.180964		4.082762	1.7361249	2.0482845	2.79108	
6242	RTKN	2.497353	3.18025			2.898373	3.102169	3.2326548	4.169058	3.17998	
22985	ACIN1	2.448931	2.21271	1.929024	6.107804	2.220463			2.5338933	2.9088	
79017	GGCT	2.526522	3.2088	2.525161	2.908771	3.121607	3.300333	3.496952	3.2806542	3.0461	
22822	PHLDA1	2.852758			4.823769		2.012544	2.4344711	3.320151	3.08874	
58517	RBM25	5.641161	1.63614		2.314301	4.124924	1.957738	2.703725	5.6782784	3.43661	
5718	PSMD12		2.71182		3.180988	1.677361	4.683711		1.66052	2.78288	
23394	ADNP	4.452167	1.88962		4.69731	2.229421	1.976511	3.1754227	2.7693818	3.02712	
8797	TNFRSF10A	5.616045				1.768884	1.837084		2.3504763	2.89312	
11083	DIDO1	3.266796	2.75837	3.62673	3.072057	3.742376	2.617427	2.6485217	1.9487876	2.96013	
5777	PTPN6	2.3529	3.14924			4.271506	2.670118		5.072355	3.50322	
23263	MCF2L	2.722636	3.34088			3.141749	1.571059	4.818945	1.727981	2.88721	
10276	NET1		3.33467		2.757345	1.802651	3.854638	3.912472	1.7529246	2.90245	
2697	GJA1	3.798314	1.69194	3.401137	2.197857	1.580902		6.1813645		3.14192	
10253	SPRY2				5.758659	2.110088	1.576115		1.751325	2.79905	
23636	NUP62		2.29806		6.218626	1.885398	1.936811	3.4116242	1.7324908	2.91384	
4891	SLC11A2	2.589148	2.01818		6.113976	3.505364	2.498016	2.516867	2.4978871	3.10563	
29944	PNMA3	3.150726		2.955074		2.202864	2.011074	5.825338	1.5819538	2.95451	
4194	MDM4	4.925554	2.08175			2.690252			2.2117543	2.97733	
2033	EP300	1.673749	1.97249		4.484232	1.516351	6.696498		3.0870957	3.2384	
4089	SMAD4	4.466004		3.400231		1.976885			1.9826618	2.95645	
2521	FUS	2.998236	3.13885	2.307008	8.467655	1.774785	1.759641	2.544684	1.5119308	3.06285	

1434	CSE1L	1.599112	4.08509			1.699243	2.017563	4.347125	6.0132313	1.8824692	3.09198	
836	CASP3		3.87662				2.838471	3.427976	3.2478063	2.2607443	3.13032	
29775	CARD10		3.62236				2.767783	5.40666	1.6892246	3.0876632	3.31474	
9521	EEF1E1		4.2561				3.002948	3.827684	2.4215238	2.0265822	3.10697	
10884	MRPS30	2.532931	3.97361	2.286794	6.582462	2.881998	3.768758	1.7559718		3.267139	3.38121	
4744	NEFH	2.209325	5.44067				2.032193	3.940735	3.4622545	1.7220013	3.13453	
55023	PHIP	3.094384	2.1334			2.826113		1.977878	7.1237354	2.2028873	3.2264	
1894	ECT2		4.41845			1.771212	2.440884	5.118822	3.706105	1.8349588	3.21507	
291	SLC25A4	1.812274	4.18853			5.538523	4.420186	2.334172	2.8021963	3.3880568	3.49771	
79675	FASTKD1	2.961134	3.08123	2.997356			2.926952	2.885688	6.280562	2.2098181	3.33468	
6498	SKIL		3.78196	3.997567			3.424299	2.984156		2.8666623	3.41093	
9368	SLC9A3R1		4.67809	2.431741	3.413207	1.997844	4.586557	4.4100156		2.1852553	3.3861	
57820	CCNB1IP1	3.527985	3.87624	5.983074	1.526313	5.305871	2.146641	2.9246907		3.74701	3.62973	
9844	ELMO1		2.98958	3.100215			2.801958	3.803771	5.4274416		3.62459	
5792	PTPRF	5.521754	2.32544			5.58781	3.35646	2.460475	2.5667875	2.132232	3.42157	
79960	PHF17	3.218752	3.75595	4.709791	3.421597	3.578155	3.200425			2.6577895	3.50607	
4297	MLL	1.820976	5.35483	3.37828	5.332899	2.094156	2.789026	4.960441		3.1333947	3.608	
731751	PRKDC	5.939463	3.1643			5.22203		2.553052	1.5761089	1.9088415	3.39397	
55775	TDP1	2.103122	4.05763			2.35401	3.173193	3.919257	6.62379	4.1028132	3.76197	
6502	SKP2		3.96527	6.885184	1.6549	1.764469	2.004469	6.0198216		3.595987	3.69859	
675	BRCA2		5.66161				2.776535	2.888848		4.104689	3.85792	
644745	HSPD1	2.903149	3.96551	1.974159	3.618526	2.809607	4.507436	6.8440347		3.6123931	3.77935	
487	ATP2A1	5.138442	3.7861	3.358446				2.931217		3.5017543	3.74319	
3336	HSPE1	3.101063	4.32055			1.658682	3.018305	4.909302	5.8239226	2.8345644	3.66663	
54205	CYCS		3.01953				2.037145	2.987123	7.231626	1.5312551	3.36134	
117	ADCYAP1R1	7.619141	2.69224	5.437696			2.203666	1.788052		1.7992914	3.59001	
8739	HRK						1.596025	2.110711	8.20888	1.5212513	3.35922	
8313	AXIN2	1.572404		8.911643			2.601915	3.706733	3.2130644	1.7596681	3.62757	
23411	SIRT1	3.652958	5.8929			3.589009	3.446273	5.103319	2.3263714	2.0700743	3.72584	
2064	ERBB2	4.714273	2.81567	3.382548	6.162742			2.333201	4.8308415	1.9310515	3.73862	
22850	ADNP2	3.00576	3.44475	4.307836	7.553152	3.270775	4.174962	2.5582528		4.15573	4.0589	

130399	ACVR1C					2.090612	1.97464	8.081095	2.663864	3.70255	
83596	BCL2L12	2.432494	4.20048	1.850636		4.101222	5.274344	6.449049	6.035762	4.33486	
5074	PAWR	9.781271	1.50423	4.319515	2.986416	3.530523	2.264417		4.449228	4.11937	
7015	TERT	6.163781	3.20233	4.842665		2.362677	2.026433	5.840353	1.9510266	3.76989	
2956	MSH6	3.581167	3.85534	2.989523	6.396351	3.301424	4.238665	4.7572465	2.9733813	4.01164	
580	BARD1	3.450051	4.67147	1.660672	3.58925	3.413922	4.281232	8.157616	4.431175	4.20692	
57580	PREX1	2.12913				2.06509		8.384496	1.8151075	3.59846	
3148	HMGB2	1.863709	5.62074	2.139903	3.134575	2.189584	4.483977	9.944508	2.3993566	3.97204	
23421	ITGB3BP	2.479187	3.4766	3.541077		2.586217	4.820474	8.521744	2.5232303	3.99265	
393	ARHGAP4	1.646342	1.71681	2.638399		3.082853	1.941363	14.646874	2.982257	4.09356	
3635	INPP5D	4.026516	1.65816			2.942111	1.517968	11.249985	2.3091404	3.95065	
5058	PAK1	2.383586	6.91845	3.027116		4.699442	4.774259		1.7527866	3.92594	
9700	ESPL1	2.980194	4.25806		4.725683	3.032273	4.582475	7.188344	3.2831035	4.29288	
729389	RPS6	7.745276	4.41319	5.154336		3.406677		1.6248332	2.3199446	4.11071	
384	ARG2	1.52083	3.10037	5.893542	1.71247	1.603493	14.33514	3.2857869	1.7511259	4.15035	
2045	EPHA7	3.112557	7.34605			5.603338	2.058125		2.9699898	4.21801	
55840	EAF2	4.383588	4.56377	2.935758		5.543172	6.25444	3.6078863	6.555525	4.83488	
1832	DSP	6.967267		2.427512	4.380781				2.0503953	3.95649	
57646	USP28	2.451061	4.78201	9.510466		4.475606	3.823124	2.720216	4.4346433	4.59959	
10018	BCL2L11	10.45786	1.99962	6.529632		3.036651	1.582171	4.4150357	2.835447	4.40806	
2260	FGFR1	7.6202	2.96709	8.210785	5.081811	3.154886	2.231487	3.53686	2.6609204	4.433	
10293	TRAIP		3.6472			2.488699	2.532212	10.089262	2.1160479	4.17468	
2643	GCH1	3.01564		9.629035	2.290076	4.861147	4.489523		2.2139106	4.41656	
90249	UNC5A	7.345055	4.2598	5.359863		3.570258	3.929443		6.1907043	5.10919	
3092	HIP1	4.083793	5.10286	2.535978	12.88536	1.771425	3.662258		5.778007	5.1171	
27237	ARHGEF16	2.572616	1.76735			2.328383	2.242145	16.238485	3.0027158	4.69195	
4318	MMP9	1.984393	3.29305			4.549368	4.81779	11.12341	4.6016426	5.06161	
11200	CHEK2	4.759248	4.93992	6.034799	2.10632	4.994618	2.8928	11.010005	4.778856	5.18957	
6491	STIL	3.602364	7.91287		4.457162	2.831093	6.260347	6.9141994	2.4365578	4.91637	
10962	MLLT11		7.10631		2.898182	3.203708	6.502199	6.9555836	2.1342583	4.80004	
23089	PEG10		4.43421		12.77592	3.964067	4.699785	2.3307464	8.008551	6.03555	

1280	COL2A1	9.124564	2.53089	4.115099		8.837735	2.857304	6.659701	3.7037704	5.40415	
79152	FA2H	10.07495	6.08997	3.761269		5.332814	4.326258	4.667949	3.0484736	5.32881	
972	CD74	3.188764	4.10152			9.698065	5.873171		11.2718525	6.82668	
7074	TIAM1	16.15582	2.06864	4.323166	8.153564	2.131386	2.311118		1.9776669	5.30305	
3798	KIF5A		4.63929			2.461199	1.727631	15.508067	1.5421537	5.17567	
655	BMP7	5.037402	3.36988	5.212284	2.166228	4.959216	3.219827	18.807861	3.635104	5.80097	
943	TNFRSF8	3.645013	2.53239			3.856602	3.167411	17.414413	3.1661954	5.63034	
5336	PLCG2	5.386355				2.515879	1.666773	14.989075	1.8335754	5.27833	
23239	PHLPP1	5.926855	8.93174	5.175623	4.875248	6.906829	5.374748	6.5427213	7.0880527	6.35273	
1870	E2F2		1.61318			1.517768	1.694734	20.2186	1.8396244	5.37678	
23531	MMD	3.195439		3.446816	5.974824	5.495116	3.369112	16.829193	3.8466117	6.02244	
8851	CDK5R1	9.667596	8.68589	3.355511		4.887946	5.448689		4.6518188	6.11624	
26999	CYFIP2	4.271878	7.17043	6.644202	9.200382	7.023286	4.429047	6.7214193	4.3577886	6.2273	
27242	TNFRSF21	5.515782		2.64493	5.335063		14.75332	4.7096753	3.0749125	6.00561	
51454	GULP1	4.392456	5.79053		11.70859	10.36921	2.642681	4.715172	2.9277635	6.07806	
23095	KIF1B	8.089967	5.424		11.33067	4.747378	3.661055	6.727426	5.8062983	6.54097	
10763	NES	1.707416			16.54256		2.573107	6.0796504	1.6263623	5.70582	
6712	SPTBN2	18.68338	2.14369	9.506603		1.928119	1.675331	6.6232862	2.3586273	6.13129	
91662	NLRP12	1.798307	2.93902			2.675961	1.994959	24.790014	2.7059932	6.15071	
22974	TPX2	2.343977	9.73037		5.644762	2.713598	8.223422	12.997723	2.8838384	6.36253	
255738	PCSK9	8.53277				4.671308	6.675899	8.072501	9.348926	7.46028	
70	ACTC1	4.415946	16.2966		2.897307	6.424668	8.859406	4.2827415	6.648713	7.11791	
7516	XRCC2	2.198483				3.437561	2.792398	23.14652	2.5825484	6.8315	
4085	MAD2L1	1.799851	11.2565		3.823023	5.020333	16.73478	10.706602	6.4984393	7.97707	
1804	DPP6	12.82303				2.000863	2.553418	15.713002	2.0034535	7.01875	
9414	TJP2	6.352735	6.33741		15.50653	1.533992	12.76913	7.1461506	3.7677891	7.63053	
6195	RPS6KA1	6.992861	8.78493	9.666608		8.811729	5.388984	10.019084	7.9454713	8.22995	
5608	MAP2K6			6.79504	5.242157	4.388361	2.09054	24.792356	2.2526991	7.59353	
7840	ALMS1	13.56068	15.1492	3.187406	4.017565	11.67451	11.73915	3.490175	5.086657	8.48817	
148203	ZNF738	9.658526	12.7219	7.502273		10.85177	9.112579	5.002532	11.251389	9.443	
887	CCKBR	3.831455	7.33895			3.109397	9.86146	22.279087	4.118699	8.42317	

650	BMP2	2.14192	7.38505		15.63772	3.217626	18.20949		1.5027187	8.01575	
672	BRCA1	4.591475	6.56986		4.285826	2.570936	8.693111	29.738823	3.295799	8.53512	
5590	PRKCZ	8.181328	11.5976	11.36628	5.644842	7.880684	6.706151	14.612478	5.300677	8.91126	
27443	CECR2	9.303861	8.64484	11.83373		7.859979	10.66428	8.750763	4.8964014	8.85055	
638	BIK	13.30338				3.242271	3.955192	17.678135	2.6392157	8.16364	
5625	PRODH	19.70165	4.70552	21.06059		3.46029	6.439079	4.0264544	9.085667	9.78275	
4436	MSH2	5.893004	13.3543	5.759356	7.684796	8.282847	11.31169	18.969551	9.890717	10.1433	
7153	TOP2A	3.928782	10.8662		4.10487	2.401542	15.7277	24.222504	4.207952	9.35137	
11202	KLK8	5.639485				3.758771	1.837382	29.799866	2.6785975	8.74282	
2487	FRZB	2.306296	5.32933			2.776926	9.665893	31.351889		10.2861	
983	CDK1	3.666338	9.52155		2.759457	3.959183	16.18729	26.819876	4.4368157	9.6215	
6622	SNCA	7.162676	10.5291		12.02933	12.10156	7.546871	14.763688	6.302042	10.0622	
332	BIRC5		4.99791		5.227164	2.385509	14.96074	27.25389	3.3215647	9.69113	
3875	KRT18	8.388826	24.491	4.272531	9.854389	15.28598	3.923142		2.853034	9.86698	
8805	TRIM24	9.400095	6.72506	7.296192	34.03228	4.289074	3.102107	14.716363	5.8776994	10.6799	
1620	DBC1	8.023637		32.22793	6.075407	3.829133	1.772393	17.980434	6.3306346	10.8914	
5588	PRKCQ	4.83458	11.1262	5.732304	8.891488	18.91746	16.34016	18.835434	24.822039	13.6875	
2308	FOXO1	5.904418	8.41785	33.79813	12.19465	16.81242	3.043664	5.2366934	13.114764	12.3153	
5366	PMAIP1	9.270846	10.7692		7.562258	19.1647	7.325057	19.420694	11.773009	12.1837	
121512	FGD4	2.805683	1.84805			8.434631	1.988933	47.05107	1.9564353	10.6808	
10507	SEMA4D	21.98968	6.76384	15.10567	8.188264	22.75496	3.139794		11.299153	12.7488	
1612	DAPK1	2.941066		17.32598	25.8799	27.88081	1.85626	2.9945567	1.5245416	11.4862	
89	ACTN3	33.71889			6.027119	10.85666	2.932986		5.8842635	11.884	
112399	EGLN3	2.794236		4.126032		20.82178	16.39537	23.44993	16.300072	13.9812	
6659	SOX4	11.65806	6.51897	12.92344	25.87476	36.07649	1.761187	1.6728959	24.258831	15.0931	
5579	PRKCB	13.66285	8.17918	13.86591	3.094295	12.20496	9.422082	37.468067	7.0810237	13.1223	
646359	TERF1	9.507219	17.2558	15.52761	12.7238	15.14424	12.56775	16.403557	11.711432	13.8552	
4950	OCLN	13.87849	8.53581	14.03294		15.33953	20.70923	12.593874	10.441857	13.6474	
5272	SERPINB9	7.476655	5.91576	43.36129	28.01546	9.297367	5.037517	4.12695	3.7525723	13.3729	
11040	PIM2	7.059031	13.1633	17.33202	9.627458	15.94279	11.29882	44.864594	11.748132	16.3795	
3655	ITGA6	2.609934	15.2575		5.896554	3.077628	6.668701	71.26053	1.6939522	15.2093	

55655	NLRP2	3.310327					9.510282	40.07622	93.87167	36.6921	
4001	LMNB1	2.627474	15.8831			20.22724	3.956836	31.31863	46.094666	6.3462067	18.0649
6422	SFRP1	2.775681				21.13879			37.015564	4.2315726	16.2904
3070	HELLS	40.51918	13.6784	10.41389	25.9905	10.52472	32.52396	13.598617	20.52227	20.9714	
1515	CTSL2	24.85838	20.7674	14.81297	31.68565	7.531296	18.4946	33.377354	12.248276	20.472	
701	BUB1B	8.265078	16.8457	3.244788	10.31079	5.77066	34.67834	77.92332	5.764361	20.3504	
3932	LCK	4.669191	10.9514	22.39079	9.803571	40.76948	22.44907	50.186405	45.633022	25.8566	
2065	ERBB3	34.56652	1.69483	32.87502	17.29712	49.62152	13.53153	16.171904	1.5180397	20.9096	
2261	FGFR3	69.87042	6.51132	25.29986	32.86655	13.86868	22.69108	2.500435	25.508537	24.8896	
137970	UNC5D	23.02241	26.2249	27.42632		26.84875	18.29292	31.364813	27.51031	25.8129	
699	BUB1	4.070346	27.9618	2.107245	16.77693	6.045193	42.29408	90.44053	4.9566364	24.3316	
7852	CXCR4	1.539039	15.6078				15.3281	81.07529	3.779002	23.4658	
51083	GAL	9.358822	2.84234	4.545983	75.66053	3.986243	8.474151	214.27646	2.9060223	40.2563	
57556	SEMA6A	172.0243	27.4109	65.26503	21.74123	10.45774	4.479436	22.041464	13.803407	42.1529	
7855	FZD5	1.724016	2.70056	68.99564	92.69463	4.230365	2.827239	161.48743	3.9640908	42.328	
10451	VAV3	5.412314		5.138292		5.306224	2.661102	221.25636	7.4237075	41.1997	
5521	PPP2R2B	6.542513	34.3118	9.914621	10.7167	23.56142	40.94265	216.46327	26.152355	46.0757	
84707	BEX2	54.21927	56.7405	100.3978		53.3078	19.37825	25.038847	41.167225	50.0357	
100129500	APOE	64.13012	10.9865	72.04224	150.4014	49.57696	14.06085	8.489233	28.652613	49.7925	
1829	DSG2	26.25674	59.5392	43.95394	44.1086	137.5733	50.74769	10.845029	109.92527	60.3687	
5354	PLP1	96.45422	59.0903	124.3407	18.16117	45.98273	19.66719	23.938545	43.90955	53.9431	
51765	MST4	22.08872	44.511	261.5671	31.3247	29.76724	45.24398	20.85473	13.605185	58.6203	
6423	SFRP2	151.1768	46.2043	200.4144		98.51731	31.90735		167.54024	115.96	
999	CDH1	699.6895	33.1804	6.731713	83.09276	33.95918	15.8727	34.302563	27.458548	116.786	
6997	TDGF1	326.7443	260.034	319.4357	146.3098	264.8357	255.9875	260.65765	310.41187	268.052	
6657	SOX2	41.98577	32.9071	86.05872	51.69496	58.79636	59.81739	3858.035	66.14236	531.93	
100133941	CD24	677.1635	592.412	642.0649	213.2044	408.7507	951.4002	898.48096	854.81903	654.787	

Consensus Differentially Expressed Transcription Factor Genes in Human ESCs Compared to HDFs (expressed as fold change*)

Entrez ID	Gene Name	Chin	Lowry	Munoz	Bock	Ebert	Maherali	Sun	Yu	Average	
-----------	-----------	------	-------	-------	------	-------	----------	-----	----	---------	--

6591	SNAI2	-210.954	-79.8455	-33.0746	-70.1932	-155.303	-44.562	-65.191124	-128.9958	-98.515	
5396	PRRX1	-107.598	-59.0031		-6.64603	-101.37	-27.694	-83.05517	-38.4636	-60.547	
6926	TBX3	-103.373	-67.559		-62.5749	-67.692	-53.4182	-2.236579	-170.53738	-75.342	
2295	FOXF2	-166.972	-69.3606		-23.1799	-17.019	-59.64	-19.60888	-69.636406	-60.774	
2018	EMX2	-56.3528	-60.2563	-17.4532		-98.558	-10.6289	-111.98934	-23.561222	-54.114	
7474	WNT5A	-104.152	-68.4885	-15.8783	-65.2587	-69.6664	-48.8407	-18.181353	-139.34644	-66.227	
1879	EBF1	-64.0724	-9.06605			-124.621	-6.13542	-35.919636	-27.286308	-44.517	
6492	SIM1	-194.413	-5.15027			-33.8497	-1.68946	-4.331363	-3.9959064	-40.572	
2034	EPAS1	-118.781	-65.5887	-10.6345	-41.5698	-45.4856	-30.9748	-21.05942	-132.8189	-58.364	
4212	MEIS2	-125.541	-15.9556	-6.33383	-49.0301	-89.0281	-11.6973	-6.345347	-72.55572	-47.061	
10194	TSHZ1	-126.48	-39.1248		-17.839	-38.469	-32.8412	-3.4653137	-78.41916	-48.091	
283078	MKX	-29.9818	-50.2543			-14.9573	-72.9567		-78.66954	-49.364	
3205	HOXA9	-42.8946	-31.1084			-52.9159	-12.1681	-45.11636	-51.02964	-39.205	
7291	TWIST1	-103.269	-21.3257	-12.0063	-27.8589	-48.9252	-13.9105	-10.366076	-48.503216	-35.771	
6935	ZEB1	-46.3758	-26.8958	-29.4	-31.4805	-69.1977	-8.99616	-18.313816	-50.649784	-35.164	
7025	NR2F1	-53.8531	-35.1263		-66.1723	-18.3157	-19.2898	-2.7945554	-93.79098	-41.335	
2294	FOXF1	-15.2293			-72.6482	-12.3089	-21.034		-31.192755	-30.483	
7545	ZIC1			-4.6304		-93.8443	-12.4053	-9.41805	-3.1439865	-24.688	
169792	GLIS3	-45.5582	-37.6586		-18.4245	-24.6883	-23.6638	-16.835657	-41.86257	-29.813	
2296	FOXC1	-50.1152	-25.3497		-6.80034	-30.4023	-41.1551	-7.9257317	-63.78171	-32.219	
860	RUNX2	-28.9598	-25.8225		-24.7746	-35.3858	-13.2264	-28.925194	-28.381605	-26.497	
3225	HOXC9		-2.43274			-5.99368	-2.90983	-90.643425	-4.1799817	-21.232	
7020	TFAP2A	-46.0241	-24.1719			-4.81979	-25.3657		-51.39189	-30.355	
7421	VDR	-3.00938	-2.33419	-10.8547	-10.0263	-2.01681	-2.47725	-143.53482	-2.376573	-22.079	
3209	HOXA13	-22.2793	-24.9029			-1.59714	-46.6214		-37.260616	-26.532	
3221	HOXC4	-58.6492		-15.8611		-5.04638	-1.85133		-2.632122	-16.808	
9839	ZEB2	-44.8706	-3.01536	-6.45468	-32.676	-34.1136	-8.25492	-8.101547	-49.85458	-23.418	
2297	FOXD1	-14.802	-7.39331	-6.77644	-75.5572	-20.7442	-8.40856	-2.7291737	-11.6877365	-18.512	
1052	CEBPD	-27.3679	-23.8232	-9.56009		-18.6033	-17.6137	-16.517399	-23.11671	-19.515	
6474	SHOX2	-36.966	-18.9817	-10.49	-8.01363	-20.0405	-26.8721	-9.15417	-25.22679	-19.468	
1827	RCAN1	-23.1051	-8.04033	-17.431	-37.6248	-9.72609	-5.94772	-24.15922	-10.75247	-17.098	

4211	MEIS1	-27.8667	-33.0546	-3.6675	-17.6184	-9.23107	-28.615	-2.4704065	-38.77733	-20.163	
6913	TBX15	-6.40838	-4.50376			-12.571	-3.66474	-58.680637	-7.6399703	-15.578	
11244	ZHX1	-36.0628	-10.293			-10.8347	-5.28092	-20.486813	-11.507505	-15.744	
10365	KLF2	-4.40296		-9.38317	-8.91881	-7.81381	-3.67799	-61.853027	-14.182493	-15.747	
3212	HOXB2	-2.34404				-4.18905	-3.49674	-53.618942	-1.6533873	-13.06	
3200	HOXA3				-24.1838	-4.88969	-4.71032	-29.023968	-3.7304082	-13.308	
5077	PAX3	-20.6291	-6.70393				-17.4971		-36.037636	-20.217	
117581	TWIST2	-18.4914	-9.26687		-27.9887	-20.279	-2.53903	-9.288803	-15.401757	-14.751	
4784	NFIX	-4.18043	-13.827		-15.6382	-3.94195		-32.56329	-57.369602	-21.253	
79191	IRX3	-6.14846				-9.35734	-6.0382	-33.176083	-11.1063795	-13.165	
2627	GATA6	-26.665				-8.92254		-4.886565	-27.077269	-16.888	
10370	CITED2	-31.8805		-3.94229	-21.2483	-11.7303	-7.83877	-2.2590256	-13.994023	-13.27	
5307	PITX1	-9.69561	-10.8944		-25.5726		-5.46637		-20.017008	-14.329	
3199	HOXA2		-2.09796		-25.4595	-15.7911	-5.70593		-6.942192	-11.199	
3226	HOXC10	-11.2376	-12.6434				-14.5438	-9.637579	-21.406588	-13.894	
861	RUNX1	-8.25066	-6.64952	-6.92607	-6.54061	-1.9886	-9.76741	-42.111073	-1.9985542	-10.529	
7026	NR2F2	-17.1678	-4.5743		-9.92728	-10.8499	-7.4993	-18.06218	-8.314479	-10.914	
3206	HOXA10	-25.9973	-8.67798	-5.94886		-6.37634	-7.87613	-12.85638	-7.9400134	-10.81	
3207	HOXA11	-18.6264	-8.79942			-6.02724	-10.1303		-12.105554	-11.138	
3202	HOXA5	-8.56412			-27.1178	-6.29454	-3.69505	-8.637931	-5.260531	-9.9283	
4093	SMAD9	-19.0679	-4.42922		-11.6708	-1.77475	-17.2945		-8.207419	-10.407	
687	KLF9	-11.4784	-14.7015		-6.61222	-5.60269	-8.29381	-14.711422	-6.797248	-9.7425	
2908	NR3C1	-19.0222	-6.74463	-11.2264	-6.88737	-17.9222	-5.04746	-3.121139	-8.243035	-9.7768	
4862	NPAS2	-14.5624	-2.85737		-7.28661	-2.60215	-7.47484	-24.630224	-12.829637	-10.32	
5468	PPARG	-7.87966	-8.0678		-10.6666	-4.01834	-3.67666	-22.517418	-9.30158	-9.4469	
639	PRDM1	-11.2913	-19.4765		-5.27974	-7.03951	-4.22985		-12.758793	-10.013	
6322	SCML1	-13.7618	-10.1445	-9.53595	-7.68002	-6.81476	-12.0472	-6.2038116	-8.035855	-9.278	
3204	HOXA7					-5.85682	-3.01038	-19.30133	-2.6376975	-7.7016	
2303	FOXC2	-9.83964			-21.0079	-4.00788	-2.55104		-4.449947	-8.3713	
6910	TBX5	-9.68563	-5.34693		-27.1128	-4.19331	-1.6922	-6.0320206	-5.753958	-8.5453	
10265	IRX5	-13.7772	-8.37657			-10.7772	-3.75907	-7.6819754	-11.596736	-9.3281	

3236	HOXD10	-17.0965	-5.93417			-14.4208	-4.30171	-2.1606255	-6.735864	-8.4416	
79365	BHLHE41					-3.45789	-7.00046	-15.340234	-5.996179	-7.9487	
165	AEBP1	-3.26936	-14.2393	-2.86159		-6.87531	-13.0862	-10.3835	-7.6015387	-8.331	
6495	SIX1	-6.83279	-4.61535		-7.27272	-4.58233	-3.5216	-22.347837	-4.5262256	-7.6713	
93986	FOXP2	-7.66253	-8.12408		-8.40074				-6.403733	-7.6478	
463	ZFHX3	-31.4442	-4.91691		-4.02292	-2.97536	-2.08996	-2.341122	-3.26577	-7.2938	
90993	CREB3L1	-7.78934	-9.79262	-9.72051	-6.4574	-9.78577	-8.61944	-3.4722054	-11.851028	-8.436	
51450	PRRX2	-9.2772	-4.44173	-8.8052		-10.554	-5.0421	-8.937963	-8.314166	-7.9103	
4286	MITF	-10.3917	-7.79425		-9.46563		-6.54259	-3.5982835	-6.6330523	-7.4042	
1649	DDIT3	-5.04947		-9.58003		-4.21433	-6.85021	-11.524605	-5.7993474	-7.1697	
2624	GATA2	-13.5335			-2.4011	-6.0998	-7.60876		-11.830063	-8.2946	
3726	JUNB	-4.47201	-7.55548		-3.69792	-7.01565	-3.42415	-17.214146	-10.618944	-7.714	
3090	HIC1		-5.72019			-3.13559	-2.64498	-17.328411	-16.326136	-9.0311	
10379	IRF9	-5.5705	-10.0662	-4.45024		-7.05816	-7.52322	-7.9587154	-8.235226	-7.266	
4782	NFIC	-11.2132	-6.82134		-8.09651	-6.77618	-2.25892		-2.3559923	-6.2537	
2313	FLI1					-8.0643	-4.98988	-6.950121	-7.878792	-6.9708	
4487	MSX1	-3.32963				-14.1738	-5.96004	-2.8916507	-2.8963299	-5.8503	
112770	C1orf85	-1.60971	-6.23699			-4.0828	-14.1502		-4.4121137	-6.0984	
7227	TRPS1	-5.58266	-6.18135	-8.31054		-6.44784	-9.29788	-2.5852659	-4.234704	-6.0915	
3142	HLX	-3.93785	-3.18283			-12.168	-2.03975	-9.624037	-4.0455127	-5.833	
196	AHR	-9.87349	-9.25195	-2.88849	-4.86272	-8.66265	-3.61766	-4.095967	-6.5636663	-6.2271	
3237	HOXD11		-3.46214			-11.3431	-3.61395		-7.6105814	-6.5074	
253461	ZBTB38	-5.57823	-8.23663	-9.07964	-5.51563	-4.78951	-1.80677	-6.831277	-2.0201614	-5.4822	
64843	ISL2	-5.52596	-4.97019				-7.28872		-6.6756277	-6.1151	
2355	FOSL2	-9.69638	-7.90555	-5.2695	-4.31031	-2.06547	-2.2668	-9.1579685	-2.0488887	-5.3401	
6775	STAT4		-2.83251	-11.5624		-3.35061		-5.4789987	-2.0882058	-5.0625	
602	BCL3	-4.31737	-7.94411	-4.469	-3.20395	-3.91674	-4.07336	-11.285452	-4.9772277	-5.5234	
6772	STAT1	-4.35241	-6.1454	-4.83148	-2.99554	-4.7344	-2.79696	-12.983123	-4.068067	-5.3634	
7587	ZNF37A	-6.84338	-2.57314		-10.838		-3.53262	-2.7891169		-5.3153	
6662	SOX9	-1.8489			-7.48729			-6.4134645	-2.4392402	-4.5472	
2113	ETS1	-6.54385			-7.90394	-2.45107	-2.65804	-6.545812	-3.1451278	-4.8746	

6773	STAT2	-3.14864	-5.69503			-5.30539	-8.32409	-3.471333	-3.5284896	-4.9122	
122953	JDP2	-7.78381	-3.10227			-4.29477	-5.93087	-3.8805559	-3.968868	-4.8269	
2122	MECOM	-6.17483	-2.73163		-7.84386	-5.91208	-2.1836		-6.8943987	-5.2901	
1051	CEBPB	-6.8565	-5.32179	-2.92134		-4.94525	-5.90795	-3.4282582	-4.976154	-4.9082	
2004	ELK3	-14.7722	-3.87515	-1.93898		-3.72663	-1.61496	-3.3456576	-2.1344113	-4.4869	
2300	FOXL1	-3.12334	-2.51355		-12.7578	-2.97003	-2.67124		-2.7860506	-4.4703	
9338	TCEAL1	-5.37276	-3.25083	-6.37272		-3.92065	-6.71293	-2.656919	-5.5045357	-4.8273	
4094	MAF	-1.78856	-2.55046				-6.99955	-7.195084	-2.352815	-4.1773	
4208	MEF2C				-2.39957	-9.30125	-1.567	-4.891407	-4.1887927	-4.4696	
9314	KLF4	-5.49523	-3.12421		-2.527	-4.61807	-3.02542	-8.407444	-2.675972	-4.2676	
2000	ELF4	-4.33977	-3.22924	-2.35063	-5.15842	-4.69802	-3.74062	-7.423688	-7.588109	-4.8161	
4774	NFIA	-2.30294	-3.87533			-4.94498	-2.64886	-7.9968433	-4.4156675	-4.3641	
3198	HOXA1		-1.72284			-8.88309	-2.09979		-4.6026053	-4.3271	
23051	ZHX3	-9.12755	-1.93773		-2.02011	-3.21447	-1.73333	-7.3650355	-2.9226208	-4.0458	
79776	ZFHX4	-4.13093	-3.12433		-5.52263	-5.64773	-2.63123		-1.5475461	-3.7674	
604	BCL6	-1.64494	-4.46528			-5.08261	-5.32511	-4.2872043	-6.811439	-4.6028	
4790	NFKB1	-4.88906	-4.7696			-4.44511	-2.64358	-3.9464972	-2.843979	-3.923	
5813	PURA	-6.57762	-2.02842	-2.77607	-7.57735	-4.39267	-2.64991	-2.690424	-3.440594	-4.0166	
4783	NFIL3	-3.82708	-4.1023	-2.95661	-8.00957	-2.75176	-3.43656	-3.1407201	-2.3596377	-3.823	
6909	TBX2	-5.26983	-2.4496		-6.06966	-1.53135	-1.92352	-6.8907104	-1.5007155	-3.6622	
1316	KLF6	-3.13531	-2.12696		-8.12692	-4.9077	-2.24618	-2.5587213	-3.594383	-3.8137	
27086	FOXP1	-3.90105			-4.23761	-2.60176	-1.61883	-6.745212	-2.7236185	-3.638	
5914	RARA	-4.00848				-1.91303	-3.47857	-5.8526573	-2.3144011	-3.5134	
1997	ELF1	-5.66065	-3.09046	-2.4896	-4.3394	-3.38784	-2.96631	-4.5434203	-5.5196934	-3.9997	
4091	SMAD6	-3.71806				-3.61331	-3.98096		-5.6231604	-4.2339	
5926	ARID4A	-1.84551					-1.50384	-7.9280925	-1.6841441	-3.2404	
3725	JUN	-4.03449			-4.87038	-4.43409	-1.63524		-3.3734767	-3.6695	
6938	TCF12	-1.92248	-3.76793			-4.93342	-4.087		-1.8914201	-3.3205	
6778	STAT6	-5.25537	-3.22855	-2.46065		-2.88559	-3.5339	-4.6533427	-2.948592	-3.5666	
4488	MSX2	-2.5072					-3.34127	-5.152016	-2.0195086	-3.255	
221937	FOXK1	-3.5424	-2.33444			-3.16222	-2.94464	-6.162259	-4.889155	-3.8392	

10736	SIX2	-2.45506	-7.04279				-1.79907	-3.0780678	-2.0864549	-3.2923	
4084	MXD1					-2.60168	-2.74168	-5.3872952	-5.1766944	-3.9768	
8553	BHLHE40	-1.62612		-2.14482		-2.51116	-1.74526	-9.618049	-2.3973114	-3.3405	
5925	RB1	-4.65921		-2.7525	-4.08742		-3.53202	-2.4963	-3.6098795	-3.5229	
7003	TEAD1	-4.22765	-3.39569			-2.29948	-3.9831		-3.7504408	-3.5313	
8548	BLZF1		-2.02426	-6.84079		-2.42572		-2.6112735	-2.9852974	-3.3775	
25937	WWTR1	-5.06387	-3.16203	-2.16572	-4.7276	-3.15899	-2.14151	-3.8442924	-2.4695585	-3.3417	
2965	GTF2H1	-2.96559	-2.81883	-5.97793		-4.33785	-2.67503	-1.9213281	-6.1718006	-3.8383	
406	ARNTL	-4.53362				-1.71757		-3.746885	-2.019539	-3.0044	
7849	PAX8			-1.79049		-1.57962	-6.03801	-3.8308012		-3.3097	
8013	NR4A3		-3.92272			-4.06546	-1.69589		-3.1987703	-3.2207	
57616	TSHZ3	-2.87143	-3.21751				-1.58976	-5.1365485	-2.8664975	-3.1363	
7621	ZNF70	-4.48096	-3.27834			-2.60762	-2.01203	-3.62916	-3.0557206	-3.1773	
23054	NCOA6	-3.94914			-3.61578		-1.86987		-2.1391623	-2.8935	
23175	LPIN1	-3.03607	-3.54766			-2.8565	-3.85968	-2.0905664	-2.1593158	-2.925	
2120	ETV6	-4.09959					-1.70786	-3.3826227	-1.7430521	-2.7333	
23764	MAFF	-2.61699	-3.29987	-4.00832	-4.51279	-2.02849	-2.30753	-2.615496	-1.9290324	-2.9148	
10616	RBCK1	-1.72562		-2.9548		-2.44106	-3.43691	-4.468342	-2.8767319	-2.9839	
3659	IRF1	-3.15717	-3.20025		-2.24332	-2.9924	-2.74364	-3.5758517	-2.5041761	-2.9167	
7068	THRB	-2.51484	-4.02563			-1.66847	-3.72629		-3.4411786	-3.0753	
5465	PPARA	-2.41007	-2.13298			-2.58375	-3.20187	-4.5049667	-1.7079592	-2.7569	
9575	CLOCK			-2.2195			-4.10449	-2.4977067	-1.7788279	-2.6501	
4780	NFE2L2	-3.82501	-1.82246	-3.46547		-2.08259	-1.79717	-4.537716	-1.643931	-2.7392	
51274	KLF3	-4.306	-1.73658		-3.02117		-2.77658	-2.6416254		-2.8964	
10589	DRAP1	-2.22293		-2.5135	-5.18546			-1.6426551		-2.8911	
84962	JUB	-4.22619				-2.35952	-3.00319	-1.9610305	-3.877377	-3.0855	
10488	CREB3	-2.01871	-2.21734	-4.04154	-4.38622	-2.19715	-1.58953	-3.4179885	-2.4010448	-2.7837	
862	RUNX1T1	-3.23592	-2.63315			-2.83729	-2.6385		-2.4864688	-2.7663	
5934	RBL2			-2.05391			-2.86923	-3.3734584	-2.0302885	-2.5817	
6774	STAT3	-2.09407	-2.85111		-2.5933		-2.50084	-3.7506728	-1.5589643	-2.5582	
7376	NR1H2	-1.69859		-2.23398	-1.8812	-2.32182	-2.82078	-5.569862	-1.8706018	-2.6281	

5970	RELA	-2.62507	-2.85535	-3.40128		-2.19807	-2.61162	-2.7965715	-2.8472161	-2.7622	
3091	HIF1A	-2.46025		-2.04652	-1.74332			-4.698737	-1.9284173	-2.5755	
8804	CREG1		-2.19684				-1.63825	-4.3420568	-1.7809857	-2.4895	
84662	GLIS2	-2.81217	-2.53069				-2.83128		-2.3412	-2.6288	
10346	TRIM22	-2.78632		-3.08196		-2.16282	-2.62923		-2.4148738	-2.615	
1389	CREBL2	-3.36825		-2.87241	-3.14129	-1.59922	-1.84813	-2.843494	-1.7224157	-2.485	
153222	C5orf41	-2.00055	-4.31378			-2.19088	-1.81383		-1.8307661	-2.43	
6945	MLX	-1.76106			-3.41526	-1.90364		-3.1019397	-1.7507567	-2.3865	
466	ATF1	-4.46104		-2.28002		-1.62277		-1.8084271	-2.326116	-2.4997	
56731	SLC2A4RG	-1.8314	-2.62337	-2.97319	-2.94512	-2.57667	-2.1871	-2.6445649	-2.9979649	-2.5974	
55553	SOX6	-1.84509			-3.8936		-1.84253		-1.6559167	-2.3093	
22921	MSRB2	-2.41376	-2.39461	-3.37221			-2.21873	-2.2359881	-2.1783183	-2.4689	
9975	NR1D2	-1.68012		-1.89161		-2.42572	-3.41408	-3.096941	-2.1684446	-2.4462	
6720	SREBF1	-1.75422					-2.69317	-3.0219913	-2.1874478	-2.4142	
3275	PRMT2	-2.2615	-2.18335	-1.9831	-2.693	-2.40771	-2.61044	-2.970296	-2.6889162	-2.4748	
7067	THRA	-3.32496	-1.73962	-1.94053	-1.92139	-2.70703	-2.06449	-3.4000165	-2.3979194	-2.437	
677	ZFP36L1	-1.96695	-2.88575			-2.0739	-2.63245	-2.6500072	-1.9605147	-2.3616	
8061	FOSL1					-3.28334	-1.7664	-2.2647552	-3.014112	-2.5822	
7707	ZNF148	-1.75518	-2.06514	-3.30471	-2.79673	-2.5183	-2.18182		-1.6555134	-2.3253	
688	KLF5	-1.83144			-2.21699		-1.77665	-3.759428	-3.0726624	-2.5314	
22955	SCMH1	-1.5865					-2.81187	-2.75902	-1.5224901	-2.17	
10943	MSL3	-2.93854		-2.74932		-2.11007	-1.56753	-2.5190213	-2.465972	-2.3917	
3660	IRF2	-2.05813	-2.12282			-1.88284	-2.44436	-3.3549414		-2.3726	
64764	CREB3L2	-1.70495	-1.98361		-3.37622	-3.53742	-1.66043	-1.7757	-2.8588374	-2.4139	
27125	AFF4	-1.667			-3.53407	-2.57152	-1.56605	-2.3057678		-2.3289	
11278	KLF12	-3.61992			-2.70767	-1.62378	-1.87961	-1.7503778	-2.9743514	-2.426	
6925	TCF4	-1.71631				-1.77772	-1.79097	-3.8793137	-1.6129216	-2.1554	
22980	TCF25	-1.9298			-1.72893	-2.88197	-2.42014	-2.4850128	-1.5284427	-2.1624	
5916	RARG		-1.83907			-2.12374	-3.1762	-1.9984376		-2.2844	
4776	NFATC4	-2.3337	-2.36952			-1.62575	-2.88284	-2.1599054	-2.112459	-2.2474	
405	ARNT	-1.76264	-1.55509				-2.03385	-3.7427304	-1.9729433	-2.2135	

55810	FOXJ2	-2.3774				-2.2255	-1.95126	-2.492093	-1.9678428	-2.2028	
1831	TSC22D3	-2.19085		-2.05256			-2.39264	-2.3765543		-2.2531	
7005	TEAD3	-2.10614	-1.76012				-2.77543	-2.3413007	-2.0327432	-2.2031	
5467	PPARD	-3.46713	-1.7183	-1.71759		-2.10376		-2.1811972	-2.9556541	-2.3573	
4088	SMAD3	-2.2921	-1.95672		-3.45947	-1.83912	-1.60037		-2.342279	-2.2483	
7071	KLF10	-2.24608		-1.61904			-1.58033	-3.4491777	-2.868286	-2.3526	
4335	MNT	-1.82327					-2.15398	-2.581065	-2.4955156	-2.2635	
6256	RXRA	-2.39952	-2.31168			-2.24486	-2.06272	-1.8905656	-2.444083	-2.2256	
4205	MEF2A	-1.64997	-2.25291	-2.76636	-2.1331	-2.36071	-2.1982	-1.8929687	-2.6498103	-2.238	
55769	ZNF83			-1.52554	-1.97478	-2.5822	-2.63022			-2.1782	
4149	MAX		-1.84199			-1.92411	-1.951	-2.9007745	-2.4325151	-2.2101	
55806	HR	-2.59065	-2.35561			-2.28176	-1.74684	-1.7842149	-1.7332038	-2.082	
10725	NFAT5	-2.16158	-3.19468	-1.71402		-2.03288	-1.56694		-1.6955547	-2.0609	
2073	ERCC5	-2.968	-1.69775	-1.71644			-2.61294	-1.5119723	-2.2803838	-2.1312	
22926	ATF6	-1.67716	-1.69697	-2.55246	-2.71593	-1.67405	-2.41113	-1.9681706	-2.1039717	-2.1	
10745	PHTF1	-2.57363				-2.09347	-1.62636		-1.7410139	-2.0086	
4799	NFX1		-2.19393			-2.2779		-1.7895694	-1.6132009	-1.9686	
4087	SMAD2	-2.76899		-1.79283				-1.6822183	-1.8805974	-2.0312	
1388	ATF6B	-2.56227			-2.00672	-1.67911	-2.01432		-1.9382029	-2.0401	
6497	SKI	-1.67795				-1.65485		-2.7166789	-1.6872463	-1.9342	
4520	MTF1	-2.18107	-1.87537			-1.96646			-1.6007051	-1.9059	
4213	MEIS3P1	-2.62427					-1.80279	-1.5811659	-1.7509118	-1.9398	
7799	PRDM2	-1.99585	-2.27605	-1.5088	-1.75065	-2.55752	-1.83972	-2.0511856		-1.9971	
571	BACH1		-1.57838	-2.1955	-1.98548		-1.78388			-1.8858	
2309	FOXO3	-1.6658	-2.32958			-1.61186	-1.94302	-1.8594067	-1.6003851	-1.835	
1390	CREM	-2.2563		-1.51001				-1.7868518	-1.6194963	-1.7932	
5927	KDM5A	-2.05793	-1.63973			-1.85541			-2.593511	-2.0366	
6257	RXRB	-1.80314	-1.91423	-1.94787		-1.5932	-1.81867	-1.8335189	-1.5246907	-1.7765	
4209	MEF2D		-1.52228			-1.82846	-1.95675		-2.0390437	-1.8366	
25988	HINFP		1.73994		1.667267	1.641329	1.512655			1.6403	
4904	YBX1				1.706493		1.52978	1.8329221	1.5821226	1.66283	

64375	IKZF4	1.557081	1.50835			2.01691			1.5296723	1.653	
1876	E2F6	1.618688	1.73449			1.970965	1.586735	1.6663435		1.71544	
7528	YY1	1.803156			2.125175	1.512191		1.5255907	1.8120396	1.75563	
6908	TBP		1.60039		1.798448	1.827117			2.0926921	1.82966	
7572	ZNF24	1.889833		1.706854			1.65763		1.7871784	1.76037	
10522	DEAF1	1.888642			1.502986	1.879911			2.5790784	1.96265	
25942	SIN3A		2.02638			1.640259	1.654817		1.6120603	1.73338	
23528	ZNF281	1.578576	2.14949	2.284141	1.674536	1.618909	1.657681	1.6376007		1.80013	
9519	TBPL1		1.90027			1.825811	1.861123	1.6796147		1.81671	
5989	RFX1	1.947433	1.57984				1.925924		2.1447253	1.89948	
64210	MMS19	1.680537	2.01045		2.190614	1.62408		1.6130458	1.6851492	1.80065	
2023	ENO1	1.735235			1.670494		2.083642		1.5567625	1.76153	
25909	AHCTF1	2.17441	1.81541		1.698741		1.808492	1.8318902	2.4444208	1.96223	
29777	ABT1		1.65572		2.407807		1.542042		1.9602412	1.89145	
9328	GTF3C5	1.934713	1.97149			1.726419	1.728453	2.0892396	2.0188084	1.91152	
84524	ZC3H8		2.20587			1.882834	1.606438		2.7702963	2.11636	
6882	TAF11		1.99782	1.80388	1.610817	2.232688	1.555187	2.2114868	2.5001519	1.98743	
3661	IRF3		1.72593		2.287422		1.700514	1.8955643	3.5239372	2.22667	
84124	ZNF394				2.424797	1.67299		1.6449507	1.5156798	1.8146	
6650	SOLH	1.558715	1.92743			2.310774		1.8773212	1.7136115	1.87757	
1017	CDK2		1.5166		2.476801		1.770428		1.5840147	1.83696	
342357	ZKSCAN2	1.859559				1.783924		2.143534	1.8442597	1.90782	
9330	GTF3C3	1.887611	2.16086				1.550235	2.1315808		1.93257	
4863	NPAT		1.80351				1.567424	2.4621675	1.5553306	1.84711	
7703	PCGF2		1.63331	2.343408	1.940064	1.86834				1.94628	
146050	ZSCAN29	2.144352	1.77901			1.6774		2.2601933	1.7200866	1.91621	
129685	TAF8		2.33866				1.830411	1.7479762	2.9863603	2.22585	
745	C11orf9					1.724399	1.542751	2.660075	1.977231	1.97611	
3054	HCFC1		1.73227		2.864533	1.762262	1.546067		1.9152085	1.96407	
1871	E2F3	2.017009	1.82119		1.95339	2.464052	1.938762	1.6654701	3.2673767	2.16104	
9569	GTF2IRD1	1.543237			2.790003	1.792967		1.8320777		1.98957	

80317	ZKSCAN3		2.09484		1.746937	1.580999	1.749962	2.8243046	1.5527276	1.92496	
7764	ZNF217	1.987445	2.23903		2.239503		1.583391		1.5321947	1.91631	
7756	ZNF207	3.097692	1.65714		2.170117	1.596738		1.6354755	1.8270848	1.99737	
7024	TFCP2		1.76674		2.16315	1.910215	2.299688		1.9466285	2.01728	
7746	ZNF193	2.446942					1.777576	1.8936079	1.5315294	1.91241	
29883	CNOT7	3.07992	2.14202			1.776143	1.802668	1.6178367	1.9321891	2.05846	
58487	CREBZF	1.650065	1.62584	3.12918	2.507128	1.990819		1.8181473	2.0393739	2.10865	
4802	NFYC		1.58136	2.295101	2.490813				1.6928003	2.01502	
10782	ZNF274	2.273766			2.90489	1.950068	1.534669			2.16585	
389901	XRCC6		2.29225		2.173003		1.958942	2.2867963	1.6080893	2.06382	
6934	TCF7L2	2.441064	1.8383	3.025389	2.601085	1.701405	1.521335		2.3318124	2.20863	
9988	DMTF1	1.582368	1.93692		1.576992			3.6782007		2.19362	
23269	MGA	2.134539	2.246		2.171981		2.236659	2.191178	1.5168972	2.08287	
3516	RBPJ	2.449988			2.134281	1.917915	2.397156	2.1058216	1.8411238	2.14105	
65056	GPBP1	2.292128	2.03871			2.198936	2.099034	2.421008	1.7416216	2.13191	
100093631	GTF2I	1.558166	1.52919		4.031972		1.629915	2.358494	2.854378	2.32702	
8464	SUPT3H	2.085043	3.33846		1.506705	1.809336	2.385366		1.9202266	2.17419	
79364	ZXDC	3.939394	1.60917		1.78227	1.758122			2.1409814	2.24599	
8028	MLLT10	2.208527	1.90052		2.476759		1.742314	3.1832707	2.075759	2.26452	
79612	NAA16	1.778501	1.79394		2.841648	2.619114	1.667005	3.1186492	2.1579967	2.28241	
867	CBL	1.775186	2.32905			2.348344	2.832896		2.0116217	2.25942	
2063	NR2F6	1.834533	2.33983	2.647462	2.783763	2.528762	1.795304		2.5737877	2.35763	
2968	GTF2H4		2.21321		2.64045		2.148744		2.1388555	2.28531	
7589	ZSCAN21	2.102675	2.26918	2.383283		2.936893	1.982525		2.4779792	2.35876	
9329	GTF3C4		2.2267		2.630839		2.582812	1.9267231	2.770192	2.42745	
2975	GTF3C1	2.071525	1.85665	1.901817	4.366358		1.519538		1.6017928	2.21961	
7581	ZNF33A	1.515956		3.429226		2.095799			1.6125154	2.16337	
4800	NFYA	2.372007			3.473302		2.030854	1.5182897	3.0122156	2.48133	
100130561	HMGB1	1.697479	3.10374			1.908417	2.827111	2.229534	2.3196855	2.34766	
84838	ZNF496	1.824942	2.43943	2.576523		2.988885	1.949867		2.1534088	2.32218	
54993	ZSCAN2	1.663859	4.35344			1.871932	1.858919	2.1781	2.2239082	2.35836	

253782	LASS6	1.681121	2.06203		2.72394		1.637272	3.849359		2.39074	
9112	MTA1	2.394644			3.009049	2.627594		1.6055285	3.6811767	2.6636	
8295	TRRAP	1.697952	1.56278		5.436272		1.603924	1.7605983	1.7904238	2.30866	
647033	PA2G4		2.73041		1.676932	2.413815	2.835953		3.028974	2.53722	
6621	SNAPC4	1.970564			3.703178		1.599252		1.577268	2.21257	
467	ATF3	2.583479			2.209701	3.36234	1.598579		1.7855724	2.30793	
57798	GATAD1	2.157162			4.017829	1.945444		1.6370673	1.8681822	2.32514	
7690	ZNF131	3.134381	2.54462			2.650566	2.006764	1.9801426	3.3073366	2.60397	
5089	PBX2	1.859681	2.02656	2.509578	3.657084	2.717617	2.26524	2.3939488	2.71208	2.51772	
6932	TCF7		1.88045		3.567202		2.057317		1.5277492	2.25818	
84844	PHF5A	1.796065					3.429506	2.3548973	2.7048485	2.57133	
10664	CTCF	1.681294	2.44046		4.103102	2.194893	2.23224		1.9091544	2.42686	
2494	NR5A2					3.679594	2.369318	1.5875429	2.316947	2.48835	
4299	AFF1	1.752835	2.16822	3.289002	3.871798		1.64952		1.5315466	2.37715	
51222	ZNF219	2.680214	1.57339	2.910411		2.958779		2.726206	2.3417525	2.53179	
11243	PMF1	1.980857	3.53055		3.144662		2.131318	2.1316674	2.54329	2.57706	
4851	NOTCH1	3.914377	1.53065	3.035873	3.331471	2.263354	1.658192		2.0518188	2.54082	
7693	ZNF134	1.979135	2.78434		2.11122	2.96518	3.52537	2.5340064	2.3455777	2.6064	
23013	SPEN	2.124369		1.836667	4.613632			2.0429575	2.7205067	2.66763	
7762	ZNF215					2.643518	2.571673	2.8173573	1.9804744	2.50326	
80155	NAA15	1.844571	3.61562		1.753372	2.089061	5.196506	1.8421326	3.229767	2.79586	
152518	NFXL1	2.615671	2.94642			3.243223	2.102062		1.9952568	2.58053	
1499	CTNNB1			1.953881	2.608249	1.761346	5.524958	1.882455	1.7452947	2.57936	
3066	HDAC2	2.374153	3.63166	1.814883	2.404243	2.896462	2.849219	3.4321005	2.2753036	2.70975	
100133760	KDM5B	2.300345		2.996062	4.514089	2.895112	1.877749	2.1913736	2.288145	2.72327	
8880	FUBP1	2.265388	2.29364		3.091679	2.709528	3.204653	3.3748417	2.4059207	2.76366	
1050	CEBPA					2.149061	1.634471	4.6894546	2.269326	2.68558	
283248	RCOR2	3.089962	2.48246	4.580797		2.020968	1.953307		1.9428239	2.67839	
1869	E2F1	2.014692				2.124207	1.508933	5.688527	2.5168467	2.77064	
2966	GTF2H2	3.879896	1.6177			4.879083	1.864804	1.9697388	9.716036	3.98788	
7551	ZNF3	2.013243	2.76684		3.936589	3.373165	2.158667	2.829494	2.59244	2.81006	

7181	NR2C1	2.744238	3.24111			2.736843	3.383324	2.2310696	2.7427373	2.84655	
10625	IVNS1ABP	2.451441	3.77697	2.821916	1.962652	2.844285		3.4811728	2.1938658	2.79033	
7004	TEAD4		3.0335			2.884552	3.780826	1.8766675	3.3777075	2.99065	
23435	TARDBP	3.544699	1.98254		2.057066	2.883614	1.826418	5.3194237	2.551823	2.8808	
6304	SATB1	2.176647			3.683161	2.973503		2.9429877	1.9326311	2.74179	
5993	RFX5	2.103044			4.54964	1.863546		3.2847319	1.5921999	2.67863	
152845	PLAGL2		2.54198		3.76691	4.014761	1.678757	2.78903	1.6900705	2.74692	
5936	RBM14		1.53562		1.600959	2.038688	6.603138	3.1347558	5.1590605	3.34537	
80324	PUS1	3.184703	3.13002		4.371233	2.707941	2.86881	1.7580154	2.3311512	2.90741	
54815	GATAD2A		2.80302		4.520639	1.63451	3.060794		1.783883	2.76057	
10155	TRIM28	3.12291	3.3024	2.99551	3.623483	2.893163	3.018875	2.0876043	2.9309835	2.99687	
5991	RFX3	3.390201	2.43918					3.2025273	1.9567716	2.74717	
1999	ELF3	2.41461	1.69578			1.87047	2.461213	6.6947317	2.0344284	2.86187	
6929	TCF3	1.926685	2.49064	3.443819	6.829225	2.302919	2.374805	1.94535	4.7797246	3.26165	
6874	TAF4	2.01266	2.58613	1.833952	7.280471	2.645453	2.089713	2.877758	2.6558962	2.99775	
23394	ADNP	4.452167	1.88962		4.69731	2.229421	1.976511	3.1754227	2.7693818	3.02712	
1112	FOXN3	2.739672	1.73608		6.152097	1.696517			2.7468026	3.01423	
8463	TEAD2		2.49592			4.730784	2.074608		4.275206	3.39413	
473	RERE	3.257631		2.11376	5.541947	1.731255			1.7889674	2.88671	
2976	GTF3C2	2.15368	2.60443		5.714096	2.398514	2.531111	3.7373004	1.6451344	2.96918	
7753	ZNF202	3.291822	3.24308		3.491446	3.925347	2.512148	2.6959238	3.1859946	3.19225	
2553	GABPB1		1.56547			1.892404	1.55754	7.854075	1.9054646	2.95499	
4089	SMAD4	4.466004		3.400231		1.976885			1.9826618	2.95645	
94104	GCFC1	4.749518	2.01322	3.411916	3.891809	2.37001	1.896083	4.6796446	2.4969733	3.18865	
55729	ATF7IP	5.975128	1.72117		3.780616	2.943381	2.072493		2.3283837	3.13686	
333929	SNAI3			2.635174		3.327501	3.042129	4.255576	2.3116376	3.1144	
51351	ZNF117	1.557627	2.04903			2.451872		7.287113	2.051364	3.0794	
7019	TFAM	2.159678	3.83384		2.516431	3.621857	5.273943	3.1482863	6.139163	3.81331	
9580	SOX13	2.666186	4.41311	6.811723	1.637612	3.461398	3.00506	2.3197653	2.401933	3.3396	
3182	HNRNPAB	2.434902	3.07766		6.62472	2.532287	2.743901		2.7989323	3.36873	
27097	TAF5L	1.984539	4.32829			2.37118	5.333431		2.0284638	3.20918	

80345	ZSCAN16	2.809461	3.67434			4.278623	1.932933	4.8991055	3.239726	3.47236	
26468	LHX6		2.3575			1.878065	2.029576	8.335789	2.1791844	3.35602	
8089	YEATS4		6.28823		1.530592	2.71972	5.010203	2.7694001	3.9335463	3.70862	
4297	MLL	1.820976	5.35483	3.37828	5.332899	2.094156	2.789026	4.960441	3.1333947	3.608	
731751	PRKDC	5.939463	3.1643		5.22203		2.553052	1.5761089	1.9088415	3.39397	
55809	TRERF1	3.980328					1.716842	5.3895884	1.7262228	3.20325	
10172	ZNF256	4.134267	3.86036			3.400194	4.161615	3.0715363	2.5933242	3.53688	
23028	KDM1A	2.240768	3.59817	2.532529	6.799135					3.79265	
55502	HES6	4.847233	3.83935	4.379752		4.273389	2.524756	2.9855757	3.1542034	3.71489	
1820	ARID3A	2.200545			8.010127	3.479552	2.441138	2.9772089	2.512141	3.60345	
84307	ZNF397	8.864418	2.07261	2.9861		2.62058	2.834755	3.704205	4.5493875	3.94744	
2104	ESRRG		2.99578			3.371357	2.483859	6.7922983	3.2883098	3.78632	
7775	ZNF232	3.812504	3.52267	3.653815	4.028455	3.387236	3.428587	5.646858	3.5660355	3.88077	
64288	ZNF323		3.52439			6.256337	2.053895		6.9825425	4.70429	
60436	TGIF2	2.33906	3.30682	3.965149	6.91395	5.637805	1.692723		3.6003208	3.92226	
29842	TFCP2L1		3.08336			7.135199	1.835944		2.5770369	3.65788	
7050	TGIF1	8.68459			2.723656	2.643418	2.057342		2.253298	3.67246	
1523	CUX1	6.795797			5.947587	1.871898		1.5095131	1.5120313	3.52737	
22850	ADNP2	3.00576	3.44475	4.307836	7.553152	3.270775	4.174962	2.5582528	4.15573	4.0589	
79977	GRHL2	3.730428		7.153913	3.003692	4.842199	1.947191		3.2861931	3.99394	
9221	NOLC1	1.724472	4.65864		5.804285	3.911233	6.815969	1.909764	4.7828064	4.2296	
11143	MYST2	3.649257	4.64982	5.111719	3.703066	3.736903	4.293014		3.2598646	4.05766	
3148	HMGB2	1.863709	5.62074	2.139903	3.134575	2.189584	4.483977	9.944508	2.3993566	3.97204	
6877	TAF5	1.936526	5.06526		7.185751	3.695926	3.208096		3.83615	4.15462	
10849	CD3EAP	2.020612	6.17968			4.591114	4.506752		3.0985653	4.07934	
27287	VENTX	2.942537		2.408549		1.806388	2.79566	11.988029	1.9498281	3.98183	
7644	ZNF91	4.9841	1.8773	4.662598	1.978255	2.742245	4.25614	11.139562	4.3629885	4.5004	
7029	TFDP2	3.571864	7.08107	3.587277	3.009112	4.455514	5.417059		3.953351	4.43932	
57504	MTA3	4.159273	4.78865	7.922422		3.828062	3.634972	2.891689	3.347283	4.36748	
6689	SPIB		3.07423				5.850949	4.785976	3.3985386	4.27742	
6665	SOX15	3.170906	3.45552			3.893047	8.231191		7.1608405	5.1823	

6671	SP4	4.429517	5.8232	4.198056		5.377564	3.871817		6.812905	5.08551	
64344	HIF3A	10.20209	1.53061	7.897795			1.730808	2.6839187	1.647813	4.28217	
85446	ZFHX2	1.964066				2.120449		10.348916	1.5172217	3.98766	
2115	ETV1	4.050509		2.125457	5.682654	3.27338	4.633733	9.496475	4.836791	4.87129	
5087	PBX1	2.553768		19.19442	3.155952	1.785295	1.801876	2.6899154		5.19687	
148327	CREB3L4	6.820431	4.46611	7.493303		3.405038	1.831901	7.195072	2.9539871	4.88084	
65243	ZNF643	2.451976	10.0589			3.877313	6.875723	3.0341234	2.990817	4.88148	
60468	BACH2		7.6613	2.697711		6.294817	4.735815		4.6722326	5.21238	
100130009	HMGA1	3.22992	7.75906		6.195509	4.387432	5.866921	4.7137713	3.3743823	5.07529	
64919	BCL11B	6.35131	4.82325	4.22778		6.054285	4.113354	6.614662	3.9557364	5.16291	
6875	TAF4B	11.19116	3.45912	3.190002		6.167949	3.387675		6.0615616	5.57624	
168374	ZNF92	5.446838	2.80142			10.44976	1.825394	7.211917	2.2142982	4.9916	
7639	ZNF85	8.457673	5.79011		2.592759	4.159898	6.382522	5.9573717	2.4767828	5.11673	
144455	E2F7	4.509127	5.40018			3.369479	9.514931	5.0133557	3.915199	5.28704	
5451	POU2F1	5.00523	2.23665	7.680126	6.305661	7.146255	4.28976	6.3875237	7.278991	5.79127	
4605	MYBL2	2.107091	7.77216		4.209234	5.101967	9.195215	6.4536676	5.9882097	5.83251	
2305	FOXM1		7.6481		6.036644	2.289491	7.188633	6.415605	2.7224693	5.38349	
2649	NR6A1	5.103725	4.74542	16.79228		1.73748	5.46258	3.0714383	2.2768946	5.59855	
1870	E2F2		1.61318			1.517768	1.694734	20.2186	1.8396244	5.37678	
4610	MYCL1	9.8854	6.04229	7.788143	2.826266	10.00305	4.299045	4.2661986	15.427323	7.56721	
7022	TFAP2C			14.92327	2.379602		1.581659	7.150388	2.5140772	5.7098	
142	PARP1	3.628331	8.91599	4.177279	11.36862	4.070316	5.593279	8.606255	3.0055685	6.1707	
81931	ZNF93	10.86872	4.5777	9.775422	4.729977	5.439201	5.762294		4.42387	6.51103	
4775	NFATC3	14.00809	1.82955	9.816052	2.856048	8.061874	4.973654		1.5615546	6.15812	
83439	TCF7L1	7.1523	9.41902	7.546689	8.47354	6.087109	3.333233	10.195692	6.8137264	7.37766	
3664	IRF6	3.086424	7.09007			7.217032	10.51589	9.490103	8.829114	7.70477	
3728	JUP	3.739219	4.79468	21.27384	8.263411	7.896509	2.199435	4.193149	2.802527	6.89535	
114821	SCAND3		4.14795	7.143622		5.478077	2.924921	18.898415	3.0451756	6.93969	
3280	HES1	15.1844	7.55343	12.74607		3.182854	2.030361		2.1884604	7.1476	
9232	PTTG1	2.113988	6.5674		3.190727		12.21721	17.432606	2.923559	7.40758	
23493	HEY2	4.183061	13.2019	7.269371		10.90775	12.40798	3.9781182	8.576197	8.64633	

7697	ZNF138	9.718694	6.39657			7.599323	13.2318	8.465695	7.929903	8.89033	
3171	FOXA3	3.414436	16.9905	12.02395		11.50303	9.056312	4.668806	9.297008	9.56486	
2118	ETV4	2.987442	6.89458			13.99552	12.28488	14.161959	14.41335	10.7896	
30812	SOX8	12.62974	7.5009	12.93706		9.728263	9.323381	10.867106	11.222393	10.6013	
6299	SALL1	3.681852		3.889817	13.46601	5.533967		28.107967	3.43557	9.68586	
23316	CUX2	8.327451	8.68025	4.987756		10.96664	7.42084	26.4466	7.970285	10.6857	
1875	E2F5	2.637918	11.2968		11.16122	15.50094	7.974726	18.384676	13.887476	11.5491	
8820	HESX1		8.44115			6.408207	9.198971	22.224531	7.513993	10.7574	
7718	ZNF165	9.796812	15.9009	16.66392		12.32972	7.652486	10.110351	10.662726	11.8738	
2308	FOXO1	5.904418	8.41785	33.79813	12.19465	16.81242	3.043664	5.2366934	13.114764	12.3153	
79733	E2F8	2.819735	10.4601			4.166258	13.40281	37.952232	4.0904727	12.1486	
6659	SOX4	11.65806	6.51897	12.92344	25.87476	36.07649	1.761187	1.6728959	24.258831	15.0931	
153572	IRX2	10.99775		34.41026			4.918615	4.8803544		13.8017	
8928	FOXH1	11.18697	6.66862	5.958697		26.40053	20.31121		12.342568	13.8114	
27022	FOXD3	11.93909	15.2091	16.51165		16.625	14.91493		2.3995485	12.9332	
8091	HMGA2	2.716822	2.87445		12.13329	4.246324		72.245705		18.8433	
6297	SALL2	15.83469	10.4458	13.5305	34.32611	20.29035	9.64782	28.835848	11.953688	18.1081	
5015	OTX2	12.36699	44.0279	10.76072		44.29696	46.57816	9.074574	38.89352	29.4284	
6664	SOX11	29.96396	40.993		25.72507	11.44522	4.383753	65.86922	10.839432	27.0314	
84891	ZSCAN10	20.12404	42.9039	37.30023		60.91939	39.5584		58.96903	43.2958	
132625	ZFP42	22.33073	37.8314	12.7772		105.3607	61.19033	8.091483	81.6137	47.0279	
5462	POU5F1B	52.33516	46.9697	39.54821	48.72756	53.29402	34.23898		36.34515	44.4941	
5460	POU5F1	58.7019	77.818	44.55691	48.96388	82.84039	66.74169	171.14807	87.64338	79.8018	
9603	NFE2L3	19.19984	8.88814			41.65711	7.938636	452.78113	9.758899	90.0373	
4613	MYCN	97.00179	2.49648	83.1723	44.43442	2.835257	2.309895	612.6433	3.6417325	106.067	
7547	ZIC3	53.42458	68.3588	64.61381	30.72559	74.62239	52.25415	562.1121	45.75458	118.983	
7546	ZIC2	356.591	226.006	403.2837		172.4777	208.8818		297.61063	277.475	
79923	NANOG	89.34061	160.695	277.8588	84.87437	244.9949	183.3716	1746.0283	213.14023	375.038	
6657	SOX2	41.98577	32.9071	86.05872	51.69496	58.79636	59.81739	3858.035	66.14236	531.93	

Consensus Differentially Expressed DNA Repair Genes in Human iPSCs Compared to HDFs (expressed as fold change*)

Entrez ID	Gene Name	Chin	Lowry	Munoz	Bock	Ebert	Maherali	Sun	Yu	Average
64859	OBFC2A	-27.8486	-6.58754		-21.4756	-6.23028	-4.38723	-6.307746	-5.0191154	-11.122
5980	REV3L	-7.93583	-6.89215	-7.89566	-2.92366	-12.1292	-11.8267	-3.8897247	-11.427981	-8.1151
10039	PARP3	-3.81995	-2.7295			-5.24583	-2.41721	-16.232916	-5.408957	-5.9757
26270	FBXO6		-4.59038		-7.18639	-7.51733	-3.28473	-4.3694563	-7.5958285	-5.7574
8450	CUL4B	-7.58811	-4.53113	-8.81387	-3.52436	-2.47977	-4.08668		-4.6088223	-5.0904
2965	GTF2H1	-4.99989	-3.14991	-6.11938		-2.90434	-6.58891		-4.0343313	-4.6328
51426	POLK	-2.62279	-2.81844		-6.99895	-2.58241	-2.86167	-8.456383	-2.3648279	-4.1008
55317	C20orf29	-4.83719	-2.70965	-3.62512		-5.09461	-2.74235	-7.1168637	-3.5029616	-4.2327
57804	POLD4	-3.2451	-4.41932	-4.82801	-2.97353	-3.83767	-1.78592	-5.1024885	-3.0030851	-3.6494
10519	CIB1	-3.18673	-3.07317	-3.79831	-5.50612	-6.03728	-1.66696	-2.8379993	-3.083376	-3.6487
23054	NCOA6	-2.49923			-2.80711			-5.877229	-2.5566661	-3.4351
221120	ALKBH3	-7.78097	-1.71049				-2.31316	-2.4846294	-3.1349409	-3.4848
5429	POLH	-3.8186	-2.19565		-2.67906	-2.43453	-2.35967	-4.8394647		-3.0545
5441	POLR2L	-3.47673		-2.06966		-3.64219	-2.2866		-2.136319	-2.7223
404672	GTF2H5	-2.43906		-4.23127			-1.59819	-3.1760821	-2.0803664	-2.705
54386	TERF2IP	-3.13122	-2.221	-2.08883	-3.7206	-2.83046	-2.64761	-3.268588	-2.9692743	-2.8597
51065	RPS27L	-1.69947	-2.15768	-2.50509		-5.0203	-1.71213	-2.3877764	-1.5434862	-2.4323
64421	DCLRE1C		-1.99532		-3.16004	-2.24091		-2.873809	-2.766596	-2.6073
11277	TREX1	-2.237		-1.72562	-1.6789		-1.77242	-5.072629		-2.4973
4255	MGMT	-1.6626	-1.72116	-2.18947	-4.44264			-2.4399474		-2.4912
9881	TRANK1	-2.23047	-2.98602				-2.06013		-2.7770574	-2.5134
7320	UBE2B	-2.27581	-1.68857	-2.86894		-2.15029	-2.10522	-3.3341124	-1.7415013	-2.3092
4350	MPG		-2.11954	-2.79981				-2.2245522	-2.3333566	-2.3693
2073	ERCC5	-2.36845	-3.06525	-1.67001			-2.65722	-2.059881	-2.4264317	-2.3745
3981	LIG4		-1.66315		-3.28317		-2.11447		-1.9128605	-2.2434
2067	ERCC1	-2.34258	-1.54748	-3.06738	-3.20427	-1.81496	-2.33203	-1.6937596	-2.0501127	-2.2566
7507	XPA	-2.22001	-2.03698	-2.32737			-2.47536	-2.0421534	-2.806043	-2.318
7335	UBE2V1	-2.30797	-1.65476	-2.31495	-2.61548	-1.90724			-1.5761236	-2.0628
22897	CEP164	-1.81443	-2.68939			-1.70626	-1.55611	-2.724252	-1.8872668	-2.063

9907	KIAA0415	-1.98	-1.96352			-2.12411			-1.9200127	-1.9969	
84893	FBXO18	-1.51682	-1.92022				-1.64769	-2.8810368		-1.9914	
7319	UBE2A	-2.14434	-1.58404	-2.18899		-1.72942	-1.82264	-2.4262857	-1.7768787	-1.9532	
55031	USP47	-1.7901	-1.77657	-1.65199		-1.88349	-1.71609	-2.7098927	-2.3341644	-1.9803	
7508	XPC	-1.8406	-1.73237			-1.77064	-1.80295	-2.3058724		-1.8905	
5887	RAD23B	-1.71726		-1.76982		-1.52889		-1.8164223	-1.7347059	-1.7134	
8846	ALKBH1				1.680247	1.522776	1.647095		1.5367557	1.59672	
5981	RFC1			1.763477	1.638918		1.584863		1.5414006	1.63216	
5710	PSMD4		1.665		1.939263		1.865828	1.5828356		1.76323	
5437	POLR2H	1.744197					1.61198	1.9423321	2.2461894	1.88617	
9557	CHD1L	1.550226	1.82634	1.75304			1.986167		1.5561184	1.73438	
64210	MMS19				1.818134	1.586608		1.9456038	1.7716472	1.7805	
11073	TOPBP1	1.924378	1.55414		1.636317		2.043985		1.5091031	1.73358	
7515	XRCC1				2.384818		1.53465	1.5122727	1.7452854	1.79426	
5438	POLR2I	1.615706	1.73458					2.1372159	2.058914	1.8866	
25988	HINFP				1.791813	1.981189		1.8611729	1.8173562	1.86288	
7486	WRN	1.534591					2.597183	1.5145291	1.659702	1.8265	
146956	EME1		1.79726			1.812026	1.811385	2.177231	1.8040826	1.8804	
7518	XRCC4		1.54854			1.928279	2.34103	1.8430641	1.8981004	1.9118	
389901	XRCC6		1.63272		2.006591	1.574178	1.944241	2.4258127	1.6280882	1.8686	
7415	VCP	1.652145	1.7723		3.121655	1.522158	1.64959		1.6353436	1.8922	
9025	RNF8				1.794632	1.957027	1.724271	2.3749955	2.0097156	1.97213	
8505	PARG	1.543525	1.75721				2.274422	2.3144238	1.7708353	1.93208	
4841	NONO		1.56277		3.147898	1.748229	1.700566	1.7302837	2.4608777	2.05844	
50484	RRM2B	2.04405				1.986936	1.572827	2.3619974	1.5489815	1.90296	
7517	XRCC3		1.88318			2.454554	1.687234		2.8552895	2.22006	
9126	SMC3	1.646732	2.02233		2.144041	1.661487	2.404169	2.1808798	3.153699	2.17333	
729686	NPM1		1.50841			1.724893	1.846098	3.0238707		2.02582	
5883	RAD9A		1.51402	1.952448		1.919748		2.7517853	2.4860318	2.12481	
7334	UBE2N	1.597314	1.70317			2.256929	2.478094	2.1373205	1.9993113	2.02869	
2968	GTF2H4		1.63764		2.244359		2.297992		2.3609936	2.13525	

100130561	HMGB1	1.855606	2.10536		1.523913	1.767891	2.960207	2.2050145	2.4167454	2.11925	
84142	FAM175A		2.30712			2.049339	2.267241	1.729706	2.4941342	2.16951	
2188	FANCF	1.75297			2.583455	2.163959	1.750688	2.2166636	1.6000371	2.0113	
10038	PARP2	2.235968	2.16352		1.701845	2.091682	1.807428	2.5660927	2.6406405	2.17245	
23049	SMG1	1.992138	1.67564			2.673512			2.5979257	2.2348	
8451	CUL4A	2.068068				2.321372	1.964075		1.595718	1.98731	
125150	ZSWIM7	1.814214	1.6095			2.899436		2.1916654	2.5530941	2.21358	
57697	FANCM	3.03762	1.97267				1.958496	1.5905856	1.5183874	2.01555	
10856	RUVBL2		1.86369		1.53628		3.024322		1.6042888	2.00715	
7323	UBE2D3	1.700185	1.56007			2.937841	2.374122		1.7425199	2.06295	
7336	UBE2V2	1.5576				2.924165	1.961927		2.034677	2.11959	
201254	STRA13		2.14454		1.590001		2.028017	2.9712987	1.845819	2.11594	
56647	BCCIP	1.606288				1.939673	2.469695	2.8186617	2.0255435	2.17197	
7398	USP1	1.622953			3.862252	1.879525	1.885358	2.0020616	2.9718494	2.37067	
7520	XRCC5	2.034019	2.21785		1.666052	2.202142	2.86266	2.7062595	1.9818344	2.23869	
9656	MDC1	2.359119	2.49776		2.280684	2.376725	1.700833	2.4757826	2.5151644	2.31515	
11232	POLG2	1.829895		1.861508	2.945703	3.246414	1.546851		3.5003192	2.48845	
79677	SMC6	1.990601				2.693636	2.183196		2.1217499	2.2473	
1454	CSNK1E	1.592057			3.787334			1.565541	1.7275938	2.16813	
11198	SUPT16H	2.022202	1.8456		2.718556	2.410988	2.37383	2.6037552	2.2165434	2.31307	
6117	RPA1	1.918249	2.0859		2.534073	2.146837	2.728346	2.8033662	2.1814597	2.3426	
4913	NTHL1		1.61627		2.033016		1.862682	4.0474052	2.548335	2.42154	
55339	WDR33		1.86091			2.599425	2.610043	2.509094	2.3603094	2.38796	
9100	USP10	1.706492			2.261607	2.503236	2.780535	3.0551853	4.3683677	2.77924	
5932	RBBP8	1.887474					3.803093	1.7227163	1.7511687	2.29111	
5423	POLB	1.750162	2.56537		1.586682	2.522288	2.83855	3.580277	2.2671676	2.44436	
8243	SMC1A	2.831229	1.91989		4.204856	1.914233	2.366373	1.645725	3.883138	2.68078	
55170	PRMT6					2.153331	2.481202	2.8255632	2.3089345	2.44226	
10714	POLD3	2.227817			1.753506	2.607043	3.262657	2.7938333	2.6211305	2.54433	
257218	SHPRH	2.307327	1.51265	3.529458		3.141094	2.185682		2.3796566	2.50931	
6996	TDG	1.859936	1.95688		1.680381	3.958656	4.239142	1.5658842	2.084122	2.47786	

8555	CDC14B	3.237044		2.935548	1.665542			2.3386602	2.1307151	2.4615	
731751	PRKDC	1.682515	2.02625		4.066702		2.961387	2.0190346	1.507182	2.37718	
25842	ASF1A	1.522777	3.32622			1.999816	2.155999	3.7937145	2.5136726	2.55203	
6421	SFPQ	1.663265	1.95442		5.569046	2.077858	2.048223	2.1208606	1.8143038	2.464	
79728	PALB2	2.045701			1.86403	2.707547	2.420144	3.8586295	1.7795277	2.44593	
5378	PMS1	3.257662	1.94291			3.783646	2.425375	1.9597946	3.394762	2.79403	
4361	MRE11A					2.597996	2.137996	3.3328018	2.2811513	2.58749	
5433	POLR2D	2.094695	2.01227		2.146345	2.619497	4.057388	3.2604058	3.4125817	2.80046	
3980	LIG3	2.744985	2.53299		2.857144	2.689073	2.815808	2.5930924	2.8873844	2.7315	
6118	RPA2	2.376232			1.948613	2.754831	2.448511	4.6483836	3.3682437	2.92414	
22976	PAXIP1	2.180574	1.77195	3.140343	5.458545	2.765341	2.357171	2.5083177	2.7267287	2.86362	
5936	RBM14	2.235805			1.922716	2.390804	3.956857	3.930048	6.6654925	3.51695	
6749	SSRP1		2.05845		6.325545	1.849321	2.411161	1.8974448	3.0315683	2.92891	
4595	MUTYH	2.624903	2.21287	4.524252	2.301469	3.004402	2.071232	3.6464233	2.6610126	2.88082	
4521	NUDT1	2.086734			2.609348		3.576217	3.9955115	2.1267638	2.87891	
2966	GTF2H2C	3.453824	2.96225			4.334693	2.719194	1.9745476	5.383723	3.47137	
2189	FANCG	2.503005	3.03191	2.993904	3.303332	2.736901	3.025348	4.4282336	3.769366	3.224	
8208	CHAF1B		2.02452			2.109848	2.553204	6.137615	2.3897762	3.04299	
23411	SIRT1	2.14244	2.23545		3.128805	4.259193	4.00768	3.976469	2.708528	3.20837	
83990	BRIP1	2.802039	3.21095			3.747789	3.984246	3.048328	3.275478	3.34481	
84268	RPAIN	4.926327	1.95874	3.234415		5.841541	1.677459	2.5461018	3.864568	3.43559	
5111	PCNA	2.267114	2.20319		3.18233	1.878549	4.41953	6.9031954	1.8708732	3.2464	
5426	POLE	3.050538	2.21494	4.241059	4.335295	2.528993	2.504305	5.4709206	2.5186942	3.35809	
10381	MC1R	1.829349	3.37514		3.62577		4.493647	4.1474404	1.7487332	3.20335	
580	BARD1	3.680899	3.14634	1.513352	3.858758	3.041096	4.392132	5.8344874	3.5328026	3.62498	
5985	RFC5	2.643168	1.99209	1.894317	3.333651	3.494876	6.292647	6.415529	3.839878	3.73827	
55775	TDP1	3.085993	2.37031		2.441996	2.963296	4.510945	7.014264	4.026675	3.77335	
9401	RECQL4	2.715712	1.89288			2.374426	2.316566	9.52026	2.2610514	3.51348	
55120	FANCL	4.862221	5.31529		2.768751	3.396274	3.457596	3.1299758	3.8694317	3.82851	
2175	FANCA	4.686288	2.328	3.278632	2.260042	2.576401	2.273243	9.788943	2.344419	3.692	
6119	RPA3	2.742798	3.33496	2.966934	1.940463		6.838061	5.5082774	2.8089533	3.73435	

3148	HMGB2	2.496472	5.93293	2.02614	3.112216	2.327204	5.855754	6.2703032	2.2703433	3.78642	
3014	H2AFX	2.262187	2.23788		4.609695		4.638443	6.321318	2.397287	3.74447	
5982	RFC2	3.186484	3.33348		3.383333	3.016525	5.845925	7.0038037	4.131249	4.27154	
2956	MSH6	3.451381	3.48658	3.619064	5.286157	4.268872	4.213453	5.868745	3.3977726	4.199	
55247	NEIL3		2.11812			2.290855	3.917731	9.026376	2.0905635	3.88873	
5888	RAD51	4.068167	5.6603		4.007634	2.626845	2.102668	7.676942	5.535936	4.5255	
7516	XRCC2	2.156289				4.166779	2.515279	8.724111	2.290292	3.97055	
5424	POLD1	4.462725	2.89429	3.598201	4.666715	4.635029	4.309282	6.4732895	5.636137	4.58446	
57646	USP28	3.520462	2.80226	5.712184		6.185355	2.766406	5.6876945	5.367026	4.57734	
7298	TYMS	1.599069	3.0016	3.979781	4.446622		8.513119	5.8867903	1.9493474	4.19662	
8313	AXIN2	2.14033		8.439657		2.432257	5.007146	5.7092676	1.8328277	4.26025	
3978	LIG1	2.510103	3.31441	3.323762	6.692458	2.862776	5.048215	10.234357	3.0350611	4.62764	
7374	UNG	4.562419	3.28163		6.079091	4.460924	5.060694	6.001898	5.3903623	4.97672	
25788	RAD54B	5.545143	6.95849	3.73618	2.317656	5.212498	4.856773	5.7686853	5.1195455	4.93937	
10459	MAD2L2	3.452011	2.92883			4.631067	5.094036	8.710217	5.8513575	5.11125	
55159	RFWD3	4.595433	3.46537		8.175385	4.330778	4.644049	5.091686	4.345014	4.94967	
3835	KIF22	2.758425	3.07653		1.950112	2.532461	4.390214	16.905346	3.0738995	4.95528	
9319	TRIP13	2.333635	3.2143		3.761753	2.003975	10.47267	10.427581	2.7189739	4.99041	
5422	POLA1	4.806965		15.42672	3.168136	2.20438	4.139199	3.4982445	3.0663438	5.18714	
142	PARP1	2.707877	2.75855	4.143456	10.7306	4.175798	4.852809	10.397339	3.1249118	5.36142	
672	BRCA1	3.186652	3.61385		3.723028	2.479175	7.908553	13.738491	3.0555005	5.38646	
5984	RFC4	4.972628	4.83841		3.246644	5.033093	8.287027	8.347949	6.1762366	5.84314	
1111	CHEK1	2.18459	5.16929		5.138554	4.075272	10.94044	8.572802	4.1936345	5.75351	
2177	FANCD2	2.8658	4.52172	5.873837		4.772321	6.066458	12.231183	5.0798173	5.91588	
55215	FANCI	3.943043	4.87949		5.731562	3.472838	10.80865	15.243697	2.8643684	6.70624	
2237	FEN1	4.999005	4.4035		14.38484	2.90465	10.30036	7.699156	3.761283	6.92183	
5983	RFC3	3.589405	3.67154		3.584653	4.472984	11.46562	18.00061	4.2317476	7.00237	
29089	UBE2T	3.051666	6.30568				9.067991	12.26956	4.274729	6.99392	
9232	PTTG1	3.283591	5.7128		3.194182		10.20985	17.553514	2.917087	7.14517	
9156	EXO1	4.503027	4.3783		4.540317	5.540111	13.09957	17.608444	5.382625	7.86463	
8438	RAD54L	6.138255	3.43393	4.279152	3.601359	4.195214	5.124527	31.580473	3.7574124	7.76379	

Consensus Differentially Expressed Cell Death Genes in Human iPSCs Compared to HDFs (expressed as fold change*)										
Entrez ID	Gene Name	Chin	Lowry	Munoz	Bock	Ebert	Maherali	Sun	Yu	Average
26585	GREM1	-139.631	-78.9421	-831.036	-65.9656	-48.2136	-7.80657	-440.555	-33.690796	-205.73
4982	TNFRSF11B	-67.6122	-33.5744	-100.032	-64.8281	-102.718	-13.3073	-15.440793	-160.86877	-69.798
26471	NUPR1	-47.17	-13.1569	-20.9498	-141.506	-81.3596	-38.8233	-29.093946	-65.6592	-54.715
1031	CDKN2C	-70.6558	-32.5006	-26.0314	-45.5855	-62.3911	-43.4569	-26.537567	-116.53159	-52.961
5055	SERPINB2	-49.2226	-37.6393	-87.5076		-25.4372	-53.566	-3.1869586	-82.88753	-48.492
8988	HSPB3	-69.6953	-29.8618			-13.5898	-67.6359		-82.15018	-46.101
3486	IGFBP3	-14.3516	-51.8387	-12.2195	-31.8328	-79.5227	-33.1961	-42.04932	-50.97307	-39.498
5552	SRGN	-34.4976	-12.8	-10.539	-148.026	-33.1151	-20.6333	-5.078765	-91.65004	-44.542
7057	THBS1	-23.1266	-44.6096	-12.268	-30.5164	-36.2855	-19.5491	-82.95714	-39.21304	-36.066
3428	IFI16	-7.22183	-6.98102	-13.3716	-30.7202	-64.4572	-9.47211	-90.590294	-120.73339	-42.943
10395	DLC1	-7.56093		-22.9559	-6.9443	-30.6433	-6.98742	-108.59609	-27.30307	-30.142
23213	SULF1	-7.43606	-23.8647			-35.3474	-13.9939	-76.945	-12.678079	-31.125
7474	WNT5A	-7.90927	-13.3196	-34.9011	-20.1457	-40.6635	-17.2382	-52.304554	-59.417484	-30.737
837	CASP4	-20.2471	-15.8946	-28.2554	-34.5037	-12.5113	-17.5228	-50.47868	-24.914745	-25.541
6926	TBX3	-6.99266	-7.0174	-53.5301		-56.0065	-24.856	-4.1907716	-135.25726	-41.122
54739	XAF1	-18.5795	-20.0369			-8.86145	-18.6155	-13.7344	-69.124466	-22.447
3956	LGALS1	-34.3394	-4.7267	-55.1451	-8.9255	-13.9699	-10.4605	-41.04119	-8.471252	-22.135
114769	CARD16	-16.0323	-19.5224	-63.6356		-20.5991	-15.3816	-6.811932	-11.232616	-21.888
5054	SERPINE1	-7.97263		-21.5472	-7.79459	-7.96077		-70.70296	-6.4604692	-20.406
960	CD44	-25.4093	-5.31286	-66.6928	-16.9804	-24.4766	-8.54683	-14.757014	-13.73112	-21.988
340061	TMEM173	-10.4096	-9.88766	-5.02243		-51.3222	-45.9003	-14.667333	-41.679806	-25.556
5325	PLAGL1	-5.74792	-6.62374	-17.1665	-4.07025	-40.7395	-5.23307	-79.77121	-62.063934	-27.677
1410	CRYAB	-27.1322		-3.14393	-34.2561	-39.3525	-12.8318	-13.575494	-22.681194	-21.853
3209	HOXA13	-11.2363	-21.4639			-1.83363	-50.3781		-34.690506	-23.92
847	CAT	-3.42281	-7.9011	-31.7179	-25.632		-50.6182	-4.186388	-2.8539329	-18.047
7431	VIM	-4.74637		-24.2984		-24.3639	-3.48846	-43.19301	-26.476696	-21.094
3624	INHBA	-16.7174		-42.6765	-10.2831	-4.49835	-7.95949	-33.359333	-12.236986	-18.247
7291	TWIST1	-30.1374	-4.98599	-26.9929	-6.84425	-18.9848	-14.035	-30.808748	-9.663682	-17.807

355	FAS	-30.0166	-19.6335	-23.0301	-30.6949	-10.3391	-3.63729	-15.219618	-8.737359	-17.664	
301	ANXA1	-54.4492	-3.50628	-8.85473	-11.9928	-9.76149	-6.17855	-34.528675	-5.516781	-16.849	
1130	LYST	-15.3606	-15.0616	-9.89595		-21.5047	-17.4996	-28.20576	-20.00927	-18.22	
3357	HTR2B		-15.6195				-18.0767	-19.839296	-27.299335	-20.209	
5468	PPARG	-8.55038	-7.17254	-12.2666		-3.95157	-3.37484	-64.07048	-9.383669	-15.539	
130497	OSR1			-24.0157		-25.0318	-4.81262	-12.166113	-3.2988749	-13.865	
1956	EGFR	-13.6387	-13.7494	-29.3971		-20.6293	-12.1	-9.117528	-12.847998	-15.926	
834	CASP1	-11.0474	-20.689	-7.53881		-13.5192	-18.0307	-24.264187	-17.946205	-16.148	
706	TSPO	-18.6391	-6.79146	-15.4159	-23.9654	-17.069	-14.366	-14.2241	-11.826783	-15.287	
84141	FAM176A	-10.9232	-11.8193	-20.6176		-13.0907	-7.90707	-28.797245	-16.813898	-15.71	
23345	SYNE1	-10.8809	-6.49347	-17.7887		-13.7422	-6.52027	-36.14613	-12.1262865	-14.814	
6347	CCL2	-3.10711	-13.2422	-37.7864	-13.8503	-7.56426	-7.87987	-21.149038	-35.565903	-17.518	
1508	CTSB	-7.88843	-7.39713	-19.1538	-6.5021	-17.3814	-9.22355	-32.270523	-14.919852	-14.342	
284	ANGPT1	-12.4288	-23.5059		-18.7486	-23.5543	-4.51381	-2.3107762	-16.350668	-14.488	
624	BDKRB2	-19.4702	-18.5235	-15.0375		-8.76653	-8.14274		-21.791513	-15.289	
7076	TIMP1	-4.93765	-7.14939	-12.1511	-6.39274	-13.2737	-7.41737	-46.518154	-7.6565533	-13.187	
55332	DRAM1	-11.206	-18.7714		-15.1302	-7.05145	-23.2746	-6.1423965	-12.4403715	-13.431	
6586	SLIT3	-4.67658	-9.16967		-8.57579	-6.93693	-6.63895	-43.749664	-3.4783406	-11.889	
6310	ATXN1	-13.1405	-6.42399		-5.76697	-5.28708	-17.5005	-31.00735	-6.0866013	-12.173	
117581	TWIST2	-16.6464	-10.1378	-12.1638		-21.9815	-2.686	-14.817785	-15.206555	-13.377	
3202	HOXA5	-4.114		-23.6918		-6.14734	-3.08906	-27.821552	-5.8965006	-11.793	
4000	LMNA	-15.3953	-4.16659	-22.6202	-7.14951	-23.2774	-6.9264	-9.530504	-10.282714	-12.419	
5743	PTGS2		-10.2079			-24.2848	-4.16139	-9.894094	-32.164104	-16.142	
3778	KCNMA1	-15.5968	-8.22407	-21.9086	-3.88964	-6.16885	-3.78322	-25.053732	-3.2798417	-10.988	
3569	IL6	-2.84358	-25.9295	-3.78882	-15.7972	-13.6792	-3.94837	-18.052887	-9.204572	-11.656	
2296	FOXC1	-2.92039	-2.61216	-5.1752		-32.7478	-6.15741	-22.200655	-52.7695	-17.798	
7421	VDR	-2.5276	-1.9042	-10.1741	-11.5778	-2.14099	-2.4904	-51.440937	-2.131856	-10.548	
2908	NR3C1	-12.4103	-4.13479	-7.10212	-8.03859	-18.6815	-3.78475	-24.717197	-9.057126	-10.991	
1012	CDH13			-7.29102		-3.23484	-7.80992	-26.222576	-2.1517417	-9.342	
3553	IL1B		-1.88775			-1.55581	-1.90297	-38.77319	-1.8609484	-9.1961	
64135	IFIH1	-6.7941	-19.9462				-5.56187		-3.2678087	-8.8925	

6910	TBX5	-10.8779	-4.79843	-34.4985		-4.68965	-1.85165	-6.820566	-5.974134	-9.9301	
6609	SMPD1	-5.01064	-2.88281	-12.7717		-14.2267	-6.12013	-19.93633	-13.024591	-10.568	
6495	SIX1	-7.03135	-3.2694	-6.77176		-4.49494	-2.93421	-35.520462	-4.0510387	-9.1533	
9353	SLIT2	-3.19799	-7.49899			-24.2177	-8.44122	-5.759638	-15.637508	-10.792	
4055	LTBR	-7.66395	-12.3679	-8.5152	-4.28081	-8.05888	-14.2831	-13.522463	-5.8477674	-9.3175	
8877	SPHK1	-3.34498		-3.96813	-12.0551	-11.5547	-8.03887	-19.122078	-7.0216055	-9.3008	
5698	PSMB9	-15.3988	-14.5099		-11.3659	-6.60952	-8.48059	-1.6403488	-4.953948	-8.9942	
55504	TNFRSF19	-3.75042	-3.6552	-15.7363		-15.2264			-6.6120644	-8.9961	
10133	OPTN	-11.9457	-7.44005		-12.9041	-7.26628	-10.758	-7.2279963	-16.7624	-10.615	
84674	CARD6		-3.10125	-8.57677		-8.47273	-1.66299	-25.583372	-4.6955833	-8.6821	
4803	NGF	-8.98456				-10.469	-2.54391	-15.860278	-7.5385003	-9.0792	
1029	CDKN2A	-6.90004		-21.0455	-6.56637	-6.07485	-5.4874	-8.131833	-6.6419954	-8.6926	
10628	TXNIP	-3.12952			-10.0551		-17.3066	-5.3637805		-8.9637	
2152	F3	-4.00295		-23.237	-2.95538	-8.47544		-5.2509565	-10.699446	-9.1035	
7042	TGFB2			-3.07602				-1.85052	-21.013391	-1.6468502	-6.8967
3481	INS	-3.66189	-6.75445				-14.8549		-17.551136	-10.706	
4208	MEF2C			-2.42836		-8.5587		-13.504002	-3.2939596	-6.9463	
4217	MAP3K5	-4.71143	-9.66716	-15.3446			-1.68837		-2.660359	-6.8144	
1843	DUSP1	-4.32801	-3.82421	-21.6644	-2.9672	-11.3325	-2.47772		-11.633806	-8.3183	
10370	CITED2	-12.2098		-12.7751	-4.08334	-11.9885	-2.10762	-3.2885075	-9.271096	-7.9606	
2619	GAS1	-9.84121	-5.09699		-2.75458	-9.30941	-4.40004	-12.178997	-5.10367	-6.955	
1649	DDIT3	-5.9963			-7.32548	-5.2023	-6.09133	-11.114559	-5.555604	-6.8809	
2355	FOSL2	-14.064	-5.2385	-6.40596	-5.10366	-2.79028	-1.98832	-13.712113	-2.0979471	-6.4251	
1191	CLU		-13.3592	-1.54024		-11.4639		-1.5955344		-6.9897	
8717	TRADD	-3.39674	-2.50397	-4.51828	-6.61814	-3.94089	-4.06649	-23.880888	-3.5970547	-6.5653	
57761	TRIB3	-5.21123			-8.38404	-2.82304	-5.01437	-12.917424	-2.9062111	-6.2094	
2303	FOXC2	-6.29514		-16.1975		-2.99643	-1.84117			-6.8326	
22861	NLRP1	-3.8638		-14.9418		-4.38072	-3.49269	-7.319207	-4.2225156	-6.3701	
602	BCL3	-4.90785	-3.30476	-6.62917	-4.92754	-4.86881	-4.68935	-17.609457	-5.1017003	-6.5048	
389	RHOC	-4.75583		-8.681	-5.39256	-6.80448	-3.57411	-9.727093	-4.567781	-6.2147	
604	BCL6	-4.0244	-4.23147			-3.03933	-5.60085	-4.58714	-17.446302	-6.2946334	-6.4606

347902	AMIGO2	-2.1284	-3.65402		-8.37264	-5.35845	-6.51723	-12.296423	-13.488111	-7.4022	
307	ANXA4	-7.75522	-4.20821	-8.60488	-4.56729	-6.4597	-4.2081	-7.431942	-4.933325	-6.0211	
538	ATP7A	-2.39215	-5.02405			-1.8147	-6.05085	-15.25001	-1.5164305	-5.3414	
196	AHR	-7.48828	-9.20378	-4.99568	-2.75865	-7.30568	-3.76606	-7.1834908	-5.6003966	-6.0378	
2898	GRIK2	-7.42676	-7.232				-3.57395		-13.4508705	-7.9209	
388	RHOB	-2.99123		-6.53236				-8.215625	-2.8143787	-5.1384	
2537	IFI6	-7.30134	-19.1156	-2.92055	-2.67336	-4.32935	-3.09654	-1.9489707	-5.6420684	-5.8785	
1026	CDKN1A	-4.39001	-3.27482		-6.88947	-8.01766	-6.46024	-5.9756904	-3.8801153	-5.5554	
5578	PRKCA	-12.1457	-9.19736	-6.08766	-2.05518	-3.63885	-3.8434	-3.6387672	-3.6441069	-5.5314	
1311	COMP		-2.08762			-12.0641	-1.85712	-7.0468965	-2.4271817	-5.0966	
3162	HMOX1	-11.0533			-1.98923	-5.27996	-3.70158	-6.6672816	-3.9659412	-5.4429	
4616	GADD45B	-1.88812		-4.14177	-6.89134	-4.38999	-2.49599	-13.61442	-2.2569184	-5.0969	
121457	IKBIP	-3.83524	-2.79415	-12.9014		-7.12006	-2.70477	-3.9928427	-6.039884	-5.6269	
5533	PPP3CC	-3.55101	-2.72554	-8.22452	-4.79413	-3.94252	-3.8645	-11.756331	-3.8808546	-5.3424	
648	BMI1	-5.22458	-3.01998	-6.39658	-7.14743	-3.52769	-1.88016	-11.654273	-3.5468822	-5.2997	
9263	STK17A	-2.30326		-11.3784	-7.00108	-3.34998	-1.88385	-5.6153345	-2.5608363	-4.8704	
26353	HSPB8			-7.17354		-6.11504		-2.0527403	-2.5032208	-4.4611	
4908	NTF3	-6.25646	-4.52271	-4.48143	-5.67343	-7.75722	-1.98809		-12.193957	-6.1248	
4790	NFKB1	-4.4698	-4.35495			-4.49495	-3.75802	-8.389092	-3.225327	-4.782	
4254	KITLG	-2.9299				-8.30328	-1.61281	-7.4619493	-3.002223	-4.662	
25999	CLIP3	-5.80944	-6.59638		-3.59358	-4.32713	-5.86217	-4.087443	-7.9125113	-5.4555	
6446	SGK1	-9.76255			-2.42455		-2.59883		-3.7859197	-4.643	
1203	CLN5	-4.02505	-7.11412	-7.23315	-4.18154	-3.16401	-3.33656	-5.427528	-2.1581314	-4.58	
7164	TPD52L1	-3.70337			-5.53148		-4.36162	-6.105124	-1.5673748	-4.2538	
51062	ATL1	-5.25451	-5.12855	-6.50274				-2.7706242	-1.98938	-4.3292	
840	CASP7	-6.37167	-4.29457		-6.27241	-3.30475	-2.08357	-7.132374	-3.8645308	-4.7606	
64393	ZMAT3	-2.56449	-4.57614	-6.47875	-5.2215	-4.25512	-3.74931	-6.63025	-2.3383553	-4.4767	
1471	CST3	-2.10556	-2.93587	-4.28465	-2.75772	-7.46399	-5.72447	-8.107095	-3.702565	-4.6352	
8682	PEA15	-5.29638	-3.54321		-3.47736	-4.60383	-4.18882	-7.357547	-1.6183352	-4.2979	
5621	PRNP	-4.1589	-6.9817		-3.93027	-3.03379	-3.57851	-6.751212	-3.4814582	-4.5594	
5581	PRKCE	-3.55479		-4.27837		-6.54087	-2.87507	-6.3596516	-3.9055445	-4.5857	

3725	JUN	-2.68739		-9.09814		-5.03444	-1.96215		-2.9443662	-4.3453	
637	BID	-2.5056	-9.14575				-2.36904		-2.0858207	-4.0265	
2934	GSN	-4.17368	-2.05457	-2.08949		-8.84778	-5.28183	-5.2941265	-10.972632	-5.5306	
3717	JAK2			-4.54047		-2.86106	-2.21927	-8.870031	-1.7963146	-4.0574	
6772	STAT1	-3.91494	-6.25296	-3.04895	-5.53804	-3.42944	-2.8767	-7.1357327	-3.3840768	-4.4476	
7040	TGFB1			-4.54396		-4.57907	-4.05994	-4.8774805	-2.522265	-4.1165	
6662	SOX9	-1.72915		-8.9903				-2.7623258	-2.1074715	-3.8973	
1051	CEBPB	-5.83887	-5.86594		-2.78055	-4.36706	-3.79226	-4.2617106	-4.265228	-4.4531	
9532	BAG2	-7.38716	-5.25034		-4.62044	-3.22277	-1.79052		-2.7115037	-4.1638	
2683	B4GALT1	-2.31521	-1.6979	-4.28579	-2.2952	-2.38526	-2.09832	-15.818807	-2.583	-4.1849	
55973	BCAP29	-2.16913	-3.03595	-8.76955	-6.93325	-2.93048	-1.77484	-5.213736	-2.9828193	-4.2262	
7099	TLR4		-2.68304				-2.04797	-8.4793415	-2.1427875	-3.8383	
2122	MECOM	-4.41571	-2.48671	-6.68986		-6.48705	-1.7459		-7.142807	-4.828	
23529	CLCF1	-2.94506				-2.20191	-3.71528	-8.264753	-2.2481203	-3.875	
8535	CBX4	-9.89313	-2.26826			-3.13051	-1.84636	-3.7859597	-4.0720525	-4.166	
3084	NRG1			-2.90139		-9.43765	-1.67094	-2.6524525	-4.501602	-4.2328	
5696	PSMB8	-3.85196	-6.76227		-3.97417		-4.42465	-1.6978418	-1.7274944	-3.7397	
6648	SOD2	-4.28987	-11.1666	-3.23181	-1.91099	-2.14629	-1.98831		-1.9342089	-3.8097	
81537	SGPP1	-1.50685		-9.60726		-2.01468	-2.20137	-5.1649313	-1.859007	-3.7257	
9531	BAG3	-3.29876		-8.37982	-1.91387	-3.2419	-2.7463	-4.933535	-2.9316154	-3.9208	
9262	STK17B	-4.26291	-4.45041	-9.11718		-2.31063	-1.55517	-2.1352005	-2.2949126	-3.7323	
572	BAD	-3.45163	-2.37183	-7.30463	-5.15038		-2.61155	-2.677107	-2.4216442	-3.7127	
5295	PIK3R1	-2.80824	-3.39523	-3.12136		-7.81929	-2.36825		-5.012719	-4.0875	
665	BNIP3L	-3.23971	-3.16193		-5.32885	-2.41064	-2.43427	-6.7538743	-4.0909824	-3.9172	
9540	TP53I3	-3.6258	-2.24909			-3.11143		-6.4828215	-1.597583	-3.4133	
653553	HSPB1	-3.09387	-2.20384	-5.64433	-2.62402	-4.66393	-4.21661	-4.4344788	-3.2944899	-3.7719	
2629	GBA	-2.33787	-2.98836		-1.62942	-6.03344	-3.63402	-6.3329744	-4.7356157	-3.956	
1200	TPP1	-2.66837	-5.04658	-3.80948	-2.16761	-4.05193	-6.42979	-2.5610678	-2.2216797	-3.6196	
1611	DAP	-3.98118	-2.32066	-6.04937	-1.56402	-3.90716	-3.52238	-5.2907944	-4.3987412	-3.8793	
7132	TNFRSF1A	-2.70466	-4.89846		-2.10725	-3.82157	-3.49593	-5.55381	-2.5524714	-3.5906	
30011	SH3KBP1	-2.7684	-3.75459	-2.34167		-2.59708	-1.59635	-9.419613	-2.9055336	-3.6262	

23241	PACS2	-2.60995				-2.63731	-2.35422	-7.337715	-2.8960059	-3.567	
8878	SQSTM1	-4.62298		-3.32029		-4.09572	-4.86547	-1.749269	-3.4927623	-3.6911	
10519	CIB1	-3.18673	-1.66696	-5.50612	-3.79831	-6.03728	-3.07317	-2.8379993	-3.083376	-3.6487	
2730	GCLM	-5.7236		-5.67358	-3.23249	-2.88765	-2.26971	-2.531865	-2.4617121	-3.5401	
113419	TEX261	-3.99171	-5.19534	-1.53316	-1.82858	-5.5214	-4.10415	-3.048522	-4.55209	-3.7219	
51022	GLRX2	-4.3964			-4.18486	-3.84476	-2.06839	-3.4579773	-2.935482	-3.4813	
56952	PRTFDC1	-6.84589				-2.15245		-1.6932228	-2.33482	-3.2566	
5899	RALB	-2.97258	-1.64146	-5.93633	-3.46442	-4.19823	-1.6381	-4.8894367	-3.774334	-3.5644	
51100	SH3GLB1	-1.6326	-1.57737	-6.11836	-4.19558	-3.53082	-2.84513	-4.7530174	-2.088495	-3.3427	
148022	TICAM1	-4.3739	-2.13883	-3.95845		-2.77098	-2.605	-5.043996	-3.4182768	-3.4728	
84883	AIFM2	-5.36793	-1.8893	-5.19035		-3.06168	-2.53648	-2.7093778	-2.9625025	-3.3882	
8996	NOL3	-1.72295	-1.57421			-2.7751	-7.09775	-3.9189727	-3.211283	-3.3834	
7067	THRA	-1.72133		-1.5748	-2.04773	-3.02046	-2.11015	-10.020329	-2.5974894	-3.2989	
54507	ADAMTSL4		-3.49924			-2.05329	-4.67149		-1.8325444	-3.0141	
10616	RBCK1	-2.33053			-3.09801	-2.43313	-3.94067	-5.2106075	-2.1966078	-3.2016	
4276	MICA		-1.97704	-5.53046	-4.82921	-1.9446	-3.96415	-1.8280349	-2.8839056	-3.2796	
2668	GDNF	-2.96989				-3.08999	-1.713	-5.497235	-3.0995548	-3.2739	
5970	RELA	-3.04241	-2.85048		-3.59209	-2.99081	-3.79208	-3.5434005	-3.0992587	-3.2729	
10783	NEK6	-2.55186	-3.36775	-4.07407		-3.97752	-2.02763	-3.7658458	-2.0317276	-3.1138	
3688	ITGB1		-1.99428	-3.12015	-2.21068	-3.41886	-3.05807	-5.5362487	-2.035271	-3.0534	
54541	DDIT4	-1.88511					-1.63185	-6.121513	-2.2271924	-2.9664	
92140	MTDH	-2.51891	-3.205	-5.01819	-1.81115	-3.59481	-3.39283	-2.74545	-4.159003	-3.3057	
83593	RASSF5	-4.64278	-2.22794				-2.52375		-1.8908107	-2.8213	
5699	PSMB10	-3.77065	-4.32778		-1.91411		-2.50939			-3.1305	
2113	ETS1	-2.80581	-1.56577	-7.44294		-2.17898	-1.60164	-2.7515907	-2.116493	-2.9233	
6197	RPS6KA3	-3.29738	-1.98347		-2.5164	-2.33622	-3.12821	-5.066964	-2.8905249	-3.0313	
10114	HIPK3	-1.92036	-4.90249			-2.24815	-3.06241		-1.9840038	-2.8235	
23604	DAPK2	-2.51309	-2.72385			-2.94365	-3.87096		-2.5943422	-2.9292	
340371	NRBP2	-2.45302	-2.18251			-1.80996	-3.21214	-5.403843	-2.4427223	-2.9174	
7204	TRIO	-2.3177		-3.14806		-3.71786	-1.5661	-4.183959	-2.2762363	-2.8683	
10955	SERINC3	-1.68479		-6.04091	-2.03575	-2.82011	-2.78358	-2.4805145	-2.244466	-2.87	

6655	SOS2	-1.81992	-2.04754	-6.47992		-2.23355	-2.25365		-2.7258737	-2.9267	
308	ANXA5	-3.90555	-1.94027	-4.02933	-2.62354	-2.63199	-1.51033	-4.118926	-2.200248	-2.87	
5339	PLEC	-1.86808		-2.73581	-1.94739	-5.13592	-1.50665	-4.4774837	-4.70283	-3.1963	
23645	PPP1R15A	-2.26694				-3.34223	-2.97201	-3.1951969	-2.241057	-2.8035	
23365	ARHGEF12	-3.16629	-2.51783	-3.52832		-2.51998	-2.23468	-3.5833507	-2.1057866	-2.808	
8837	CFLAR	-1.58704		-2.92018	-4.37199	-3.52204	-2.49011	-2.6002438	-1.8358557	-2.7611	
9828	ARHGEF17	-1.99435		-2.51402	-2.31829	-2.10178	-2.49255	-6.00254	-2.479018	-2.8432	
5695	PSMB7	-3.0239	-1.98447	-3.01312		-3.4153			-2.1667173	-2.7207	
10670	RRAGA	-3.25134	-2.13499	-3.72816	-1.87369	-3.35034	-2.38765	-2.8604093	-2.740672	-2.7909	
7126	TNFAIP1	-2.84269	-1.80484	-4.15615	-1.77906	-2.20345	-2.18081	-4.4090886	-2.8425777	-2.7773	
7128	TNFAIP3		-2.59338	-3.93538		-1.97883		-2.5364172	-1.6366048	-2.5361	
8741	TNFSF12	-2.4755	-2.20514			-3.09183	-4.06939	-1.9606422	-2.5093844	-2.7187	
90	ACVR1		-1.96244	-4.58005	-1.74466	-2.44815	-1.93506	-3.678705	-2.9870462	-2.7623	
9500	MAGED1	-1.51206		-2.95464		-2.34462	-1.71245	-5.0388155	-2.7768223	-2.7232	
8200	GDF5	-1.84408				-3.76371		-2.5120242	-2.439809	-2.6399	
353116	RILPL1	-1.64922					-3.40087	-2.9972782	-1.9561772	-2.5009	
396	ARHGDI1A	-3.16412			-2.09221	-3.07442	-2.53205	-2.4921722	-1.8447566	-2.5333	
140691	TRIM69	-2.98376	-3.72294	-2.06219			-1.97647	-2.6082227	-2.2329032	-2.5977	
2247	FGF2	-2.97084	-3.43557		-2.71286		-1.50737		-2.3882208	-2.603	
5921	RASA1	-1.88018		-3.98657				-2.0828733	-1.5217788	-2.3679	
83737	ITCH		-2.82579	-2.56349	-2.7425	-1.60923		-3.4889336	-2.6605105	-2.6484	
27250	PDCD4	-3.24451	-2.5235		-3.10382	-1.66048	-1.91198	-3.3562286	-1.6787139	-2.497	
65018	PINK1	-1.64222	-1.87702		-4.22331	-3.17567	-2.7604	-2.0909142	-2.6855216	-2.6364	
5290	PIK3CA	-1.89591	-2.01542		-3.20561		-1.97174	-4.043131	-2.093735	-2.5376	
27252	KLHL20	-3.97094	-2.30953		-3.3865	-1.75289	-1.57989		-2.2452028	-2.5408	
3570	IL6R	-1.93828	-3.23872			-3.27087	-1.92568			-2.5934	
51065	RPS27L	-1.69947	-1.71213		-2.50509	-5.0203	-2.15768	-2.3877764	-1.5434862	-2.4323	
83941	TM2D1	-1.69403	-2.35692		-4.16953		-2.48787	-2.116725	-1.6112837	-2.4061	
23612	PHLDA3	-1.93978			-2.8411	-3.13906	-2.3219		-1.528665	-2.3541	
1793	DOCK1		-2.38317	-2.66034		-1.77713	-2.18755	-3.778851	-1.7406868	-2.4213	
4088	SMAD3	-2.70519	-2.14768	-3.94139	-1.69693	-2.07786	-2.02322	-3.2406363	-1.6025171	-2.4294	

5701	PSMC2	-3.43902	-2.51863		-2.58655		-1.61181		-2.169781	-2.4652	
9459	ARHGEF6				-1.97208	-3.26807	-2.30634		-1.703743	-2.3126	
6788	STK3	-1.77889	-1.89486		-3.34414		-1.68656	-3.8685274		-2.5146	
5025	P2RX4		-2.09156		-1.52637	-2.82458	-2.68904	-3.4304674	-2.104209	-2.4444	
318	NUDT2	-2.78596	-1.53476	-1.96083	-3.76046					-2.5105	
369	ARAF	-1.50254	-3.88549			-3.0289	-1.62376		-3.6004076	-2.7282	
6461	SHB	-1.78145		-4.20643				-1.5251282	-1.6281574	-2.2853	
11277	TREX1	-2.237	-1.77242	-1.6789	-1.72562			-5.072629		-2.4973	
63916	ELMO2	-1.51452	-2.06541				-1.56991	-4.832506	-1.645185	-2.3255	
4255	MGMT	-1.6626		-4.44264	-2.18947		-1.72116	-2.4399474		-2.4912	
64121	RRAGC	-2.43633			-1.52732	-3.29256	-2.99754	-2.139648	-2.2563424	-2.4416	
329	BIRC2	-1.61818		-3.4205	-2.77578			-2.0346608		-2.4623	
80013	FAM188A	-2.37859	-2.0489	-4.46932	-3.1493	-1.95486	-1.53891	-1.6884748	-1.6231114	-2.3564	
57600	FNIP2	-1.63421	-2.08312				-2.543	-3.5835185	-1.8670613	-2.3422	
2932	GSK3B	-1.65632	-3.12855				-2.58739		-3.1589494	-2.6328	
64802	NMNAT1	-2.38918	-1.70553	-2.9316		-2.12412	-1.9636	-3.5732417	-2.2520359	-2.4199	
28986	MAGEH1			-1.78195	-2.28358		-1.90571	-3.7969887	-2.635476	-2.4807	
3611	ILK	-2.41847		-2.72261	-1.92645		-2.31121	-2.6951993	-1.5660818	-2.2733	
8660	IRS2	-2.51906			-1.6127	-2.30791	-3.94519	-1.6855727	-2.4726515	-2.4238	
7320	UBE2B	-2.27581	-2.10522		-2.86894	-2.15029	-1.68857	-3.3341124	-1.7415013	-2.3092	
83464	APH1B	-1.51617	-2.43724	-2.36434	-2.88162	-3.21879	-2.15334	-2.183893	-2.5715306	-2.4159	
87	ACTN1	-1.97489				-1.98327	-1.63143	-3.983009	-1.5771762	-2.23	
10193	RNF41	-3.12045			-2.542		-2.31923	-1.5633191		-2.3863	
599	BCL2L2	-2.31458	-1.68453			-2.05253	-1.57398	-4.2519407	-2.7253466	-2.4338	
3551	IKBKB	-1.69164	-3.35153				-2.36956	-2.08283	-2.322171	-2.3635	
7187	TRAF3	-2.4353	-1.53444	-2.97628			-2.46771	-2.4535832	-2.4507842	-2.3863	
2073	ERCC5	-2.36845	-2.65722		-1.67001		-3.06525	-2.059881	-2.4264317	-2.3745	
400750	HSPA5			-2.90929		-2.17506	-1.77579	-2.5863068	-3.1956964	-2.5284	
3275	PRMT2	-1.91002	-1.76347	-3.12175	-2.179	-2.42438	-1.91634	-3.2154145	-1.6554445	-2.2732	
3981	LIG4		-2.11447	-3.28317			-1.66315		-1.9128605	-2.2434	
28988	DBNL	-2.44246	-1.92441			-2.85002	-1.68953	-2.849468	-1.6692147	-2.2375	

10892	MALT1				-2.67562	-2.15111	-1.51305	-3.0445678	-1.9247947	-2.2618	
8065	CUL5	-2.45159			-1.55074	-3.01478			-1.5692725	-2.1466	
4853	NOTCH2	-1.89149	-2.61171	-2.30409	-1.50279	-2.32854	-2.41338	-3.1541336	-3.3488564	-2.4444	
7422	VEGFA				-1.82393		-2.44541	-2.66925	-2.5883918	-2.3817	
9491	PSMF1	-2.32534	-3.05407			-2.05456		-1.8047814	-2.0095081	-2.2497	
5715	PSMD9	-2.5251	-1.7442	-3.24106	-1.71645	-2.47266		-2.1542695	-2.2839797	-2.3054	
9274	BCL7C	-1.92521			-2.57823		-1.55844	-3.0777524	-1.7302464	-2.174	
81	ACTN4	-1.74035				-2.24039	-2.9539	-2.1612473	-1.7283733	-2.1649	
57630	SH3RF1	-2.32375				-2.0948	-1.64669	-3.0270195	-2.8942907	-2.3973	
10922	FASTK	-1.72617	-1.74041		-2.5814	-2.11447	-1.98469	-3.424031	-1.5377195	-2.1584	
51604	PIGT		-2.23039			-1.77397	-2.32528	-2.7083535	-1.878782	-2.1834	
55081	IFT57	-2.75424	-2.24303			-2.16751		-1.8645027	-2.129167	-2.2317	
4091	SMAD6					-3.11756	-1.87223	-1.7583429	-4.300215	-2.7621	
9181	ARHGEF2	-2.12303			-2.14674	-1.79996	-1.55799	-3.6014884	-1.6262742	-2.1426	
23210	JMJD6	-1.589		-3.92791	-1.73681	-1.56241	-2.16281	-2.4945903	-2.0167656	-2.2129	
25816	TNFAIP8	-2.29731	-1.88568		-3.04437	-1.75485				-2.2456	
10015	PDCD6IP	-2.39893		-3.04756	-1.63229	-2.03405	-1.67141	-2.6108544	-2.050108	-2.2065	
9021	SOCS3	-1.67987				-2.5874	-2.42475		-1.9780543	-2.1675	
7507	XPA	-2.22001	-2.47536		-2.32737		-2.03698	-2.0421534	-2.806043	-2.318	
9197	SLC33A1		-2.35416				-1.50715	-2.7848403	-1.9743484	-2.1551	
6654	SOS1	-2.54894	-2.4417				-1.60036		-1.9736725	-2.1412	
663	BNIP2	-2.54364			-1.92789		-2.66227	-1.565213	-1.7663424	-2.0931	
54476	RNF216	-1.7888				-1.7568	-3.22878	-1.9068055	-1.6058925	-2.0574	
6256	RXRA	-2.30944	-2.2887			-2.12358	-2.05019	-2.0680194	-2.1980414	-2.173	
5728	PTEN	-1.57537	-3.50062			-2.48844	-1.55662	-1.7126886	-1.6824449	-2.086	
841	CASP8	-2.34453	-2.28314		-2.09362	-2.32256	-1.76729		-2.0569713	-2.1447	
79658	ARHGAP10	-1.73008				-1.9778	-1.69698	-3.2209146	-2.354255	-2.196	
80829	CNTF	-1.59905	-3.11166	-1.88576		-2.35975	-1.60532	-2.3588908	-2.4447277	-2.195	
5467	PPARD	-2.88687	-1.60164		-1.78658	-2.12109	-1.53171	-2.9653344	-3.3576188	-2.3215	
694	BTG1	-1.84938				-1.60168		-2.98891	-1.9236677	-2.0909	
8793	TNFRSF10D	-1.91658	-2.41921			-1.7906	-2.02216	-2.5732973	-1.5121332	-2.039	

9641	IKBKE	-2.72846	-1.60432			-2.13951	-2.046		-2.3426855	-2.1722	
259230	SGMS1	-2.97441	-1.98755		-1.86681		-1.73585	-1.9163983	-2.2176962	-2.1165	
5720	PSME1	-2.33441	-2.02119	-1.81257	-2.5415		-1.67276			-2.0765	
23786	BCL2L13	-2.34467			-1.55467		-2.64625	-1.6766163	-1.5128596	-1.947	
57142	RTN4	-1.50428		-3.05164		-1.6919	-1.6306	-2.3857408	-1.6361243	-1.9834	
4205	MEF2A	-1.77137	-2.24995	-1.5526	-2.44093	-1.76567	-1.91681	-2.6301928	-1.732452	-2.0075	
1889	ECE1	-1.77644	-1.80725	-1.96244		-2.12755	-1.74821	-2.8141801	-2.253277	-2.0699	
81573	ANKRD13C	-1.50665	-1.82289	-2.14987				-2.6283948	-1.5258896	-1.9267	
2309	FOXO3	-1.75242	-2.80152				-1.52545		-1.6321135	-1.9279	
9907	KIAA0415	-1.98				-2.12411	-1.96352		-1.9200127	-1.9969	
9897	KIAA0196	-2.28283	-1.75766	-2.13404				-1.8618152	-1.8623846	-1.9797	
51024	FIS1	-2.32418			-2.39614		-1.63637	-1.5917627		-1.9871	
207	AKT1	-1.65004		-2.26309	-1.60645	-2.15951	-2.1394		-1.7831433	-1.9336	
8887	TAX1BP1	-1.76477		-2.01266	-2.13511		-1.6748	-2.1118698	-1.593248	-1.8821	
55031	USP47	-1.7901	-1.71609		-1.65199	-1.88349	-1.77657	-2.7098927	-2.3341644	-1.9803	
123879	DCUN1D3	-2.21262	-2.08356			-1.6835		-1.6625085	-1.8892258	-1.9063	
6198	RPS6KB1	-2.07616	-1.95497	-1.83718	-1.95778			-1.6684183		-1.8989	
773	CACNA1A	-1.84534				-1.65853	-2.09444		-1.6758523	-1.8185	
8678	BECN1	-2.07091	-1.6337			-1.80943	-1.53474	-2.2686052	-1.7163963	-1.839	
23385	NCSTN		-1.6256				-1.5072	-2.451584	-1.6583842	-1.8107	
23087	TRIM35	-1.79524	-1.98118			-1.7967		-1.8407904	-1.740266	-1.8308	
3836	KPNA1		-1.73231	-2.07147	-1.78272		-1.77865		-1.5125551	-1.7755	
6497	SKI	-1.55776	-1.72984			-1.90548	-1.76609	-2.1809425	-1.8045105	-1.8241	
29	ABR	-1.55937		-2.3606			-1.50639	-1.8484325	-2.1504812	-1.8851	
652346	PML		-1.51069			-1.86043	-2.16413	-1.6458493	-2.7702465	-1.9903	
3304	HSPA1B		-1.70238			-1.57432	-2.07888	-1.8105752		-1.7915	
8517	IKBKG	-1.75063	-1.71934			-1.58814	-1.79197	-2.037323	-1.6961304	-1.7639	
118	ADD1	-1.56908	-1.53452	-1.97326		-1.92516	-1.59486	-2.0529287	-2.0181947	-1.8097	
7073	TIAL1	-1.98917	-1.86325		-1.53702		-1.70941			-1.7747	
7534	YWHAZ	-2.03436			-1.61142			-1.5588442	-1.9663383	-1.7927	
65264	UBE2Z	-1.60681	-1.88899				-1.55428	-1.8299105		-1.72	

4763	NF1	-2.00181	-1.59272			-1.61657	-1.68484	-1.6659154	-2.523929	-1.8476	
4209	MEF2D	-1.69053	-1.76975			-1.6645	-1.623	-1.6361876	-2.0534596	-1.7396	
80331	DNAJC5	-1.52993	-1.78515				-1.55428		-1.7227578	-1.648	
5707	PSMD1		1.60667			1.56612	1.573174	1.7122289	2.015716	1.69478	
8846	ALKBH1				1.680247	1.522776	1.647095		1.5367557	1.59672	
135	ADORA2A	1.671101	1.6336			1.602994			1.69639	1.65102	
9538	EI24	1.513645			1.840225		1.674909		1.6231494	1.66298	
6477	SIAH1				1.617077	1.780833	1.635299		1.7353338	1.69214	
55749	CCAR1	1.536932		1.93716		1.646458	1.655256		1.5501685	1.66519	
842	CASP9		1.6139	2.028984	1.781287	1.568878	1.66615	1.552161	1.646288	1.69395	
26580	BSCL2	1.832781		1.73109	1.549139				1.8075582	1.73014	
10285	SMNDC1		1.66954		1.542522		1.931797	1.7220051		1.71647	
600	BAK1		1.55576				1.79368	1.8409716	1.9412642	1.78292	
5713	PSMD7	2.110062					1.523645	1.5694612	1.9522493	1.78885	
5694	PSMB6		1.88794		1.567768		1.532653	1.9722687	1.6381198	1.71975	
25865	PRKD2	1.680162	1.52274		1.638904	2.120651			1.8249428	1.75748	
5710	PSMD4		1.665		1.939263		1.865828	1.5828356		1.76323	
4976	OPA1	1.804592				1.765327	1.81554		2.0718849	1.86434	
9238	TBRG4	1.584699	1.5532		1.509273	2.025512	1.757955	2.3403218	3.0376713	1.97266	
5690	PSMB2		1.65472		1.571507		1.680324	2.2758863	1.7228917	1.78106	
89941	RHOT2	1.636529		1.774694	1.980496				1.6057328	1.74936	
5515	PPP2CA		1.6362		1.506055		2.196881	1.8876687		1.8067	
5709	PSMD3	1.588727			2.197772			1.6602143	1.8013853	1.81202	
8428	STK24				2.202225	1.696406		1.5626724	1.5231717	1.74612	
2901	GRIK5	1.524647		1.656668		2.353099	1.771248		3.0661159	2.07436	
5747	PTK2	2.814724	1.51042		1.534986	1.706247	1.641196		1.5683889	1.79599	
5584	PRKCI		1.55484		1.927201	2.392339	1.537707		1.8716482	1.85675	
80196	RNF34	1.922783	1.60333		1.611568	2.461703	1.680852		1.7755402	1.84263	
6908	TBP				1.666344	1.885847		2.0184362	2.0832198	1.91346	
117584	RFFL		2.47323			1.583722	1.791612	1.6280162	1.9443258	1.88418	
4040	LRP6	1.629509			2.616144	1.608701	1.637476		1.6163093	1.82163	

7486	WRN	1.534591					2.597183	1.5145291	1.659702	1.8265	
442308	TUBB		1.68651		1.964658	1.574697	1.833424	2.3523936	1.5199295	1.82194	
728599	CIAPIN1	1.729989	1.85337		1.559087	2.248367	1.920601	2.0080013	1.9811736	1.90008	
6687	SPG7	1.865301	1.51407		2.706676	1.61706		1.8302814	1.6843812	1.86963	
900	CCNG1	1.799814	1.76371	2.608627	1.635508	1.554481	2.093752			1.90931	
6453	ITSN1			1.728252	1.982326	1.574296		2.3544784		1.90984	
10449	ACAA2	1.745305	2.19657			2.229258	1.784955	1.6268069	3.9592733	2.25703	
5594	MAPK1		1.8247				2.065062	1.8809875	2.0587342	1.95737	
7415	VCP	1.652145	1.7723		3.121655	1.522158	1.64959		1.6353436	1.8922	
3837	KPNB1		1.56776		3.101204	1.534565	1.597023			1.95014	
79811	SLTM	1.749356	1.6604		2.039033	2.761082	1.503649	1.993618	1.7840835	1.92732	
10313	RTN3	1.66856			1.711986	2.487678			2.5318954	2.10003	
92609	TIMM50	1.655703	1.61371			2.612833	1.993223	1.9459035	2.6171474	2.07309	
5599	MAPK8	2.365653	1.78404	2.509692		1.622802	1.592063		2.1631603	2.00624	
1723	DHODH	1.809177	1.614			2.171464	1.642321	2.6423604	2.9071858	2.13108	
440917	YWHAE		1.80236				1.843905	2.2860112	4.553202	2.62137	
5684	PSMA3		1.56975				2.096941	2.3059793	1.7695054	1.93554	
4194	MDM4	1.858565	1.56963			2.995694	1.54062		2.4286385	2.07863	
50484	RRM2B	2.04405				1.986936	1.572827	2.3619974	1.5489815	1.90296	
55240	STEAP3	1.650345			1.587093		2.788569		2.2229958	2.06225	
7001	PRDX2	2.280756	1.99769	2.289737	1.57588	1.777118	1.91518	2.2438989	1.5376235	1.95224	
2739	GLO1	1.990704	1.65045	1.672011		1.885666	2.216529	2.6824317	1.8979473	1.99939	
729686	NPM1		1.50841			1.724893	1.846098	3.0238707		2.02582	
5883	RAD9A		1.51402	1.952448		1.919748		2.7517853	2.4860318	2.12481	
112939	NACC1	1.90053	1.50382		1.515361	1.872697	2.178915	3.285042	1.8458471	2.0146	
23435	TARDBP	1.979788	1.55653		1.82519	2.700292	1.933518	2.2787626	2.2370467	2.07302	
3313	HSPA9				1.566492	2.279591	2.299725		1.7766162	1.98061	
7082	TJP1	3.126172	1.59414		1.983328	1.913536	1.645835		1.5056365	1.96144	
100130561	HMGB1	1.855606	2.10536		1.523913	1.767891	2.960207	2.2050145	2.4167454	2.11925	
2055	CLN8	3.242085	1.89475			1.847749	1.631884	1.7400123	2.3310866	2.11459	
8445	DYRK2	2.338071			1.641627	2.593339	1.716016		1.6511377	1.98804	

9530	BAG4		1.66212				2.441522	2.1261556	2.00126	2.05776	
6683	SPAST	2.040283			2.311554		1.888874		1.7963405	2.00926	
839	CASP6				1.576593	2.139266	1.81905	2.8398638	2.2876377	2.13248	
1676	DFFA	2.160532	1.93303		3.232697	1.814311	1.899872	1.5704302	3.0448968	2.23654	
27315	PGAP2	1.513209			2.980378		1.583658	2.349983	1.8780966	2.06106	
5292	PIM1	1.596494	1.61167		2.303483	3.219633	1.807087		2.3990688	2.15624	
2935	GSPT1	2.628087	1.56852		2.122626		2.159742	2.0797544	1.5313426	2.01501	
8451	CUL4A	2.068068				2.321372	1.964075		1.595718	1.98731	
6607	SMN2	1.676681			1.55752		2.644853	2.6173422	2.0116441	2.10161	
9984	THOC1	2.003315	1.7266	2.728448		2.377044	1.78101	2.1977243	2.367496	2.16881	
81542	TMX1					2.15743	2.202743	2.0678587	2.1534722	2.14538	
7323	UBE2D3	1.700185	1.56007			2.937841	2.374122		1.7425199	2.06295	
8087	FXR1	2.038333	2.69825	2.479075		1.973898	1.58825		2.3873627	2.1942	
7072	TIA1	2.788525	1.73187	1.995292	1.697702	2.12297	2.891926	1.8636572	2.668434	2.22005	
2729	GCLC	1.774545	2.04402		2.305394	2.925981	1.519798	2.3769603	1.9894224	2.13373	
9131	AIFM1	1.639473			3.340819	1.776762		1.9936484	1.638461	2.07783	
6620	SNCB					1.722871	1.825991	3.017262	2.696942	2.31577	
8883	NAE1	1.563555				2.138785	2.667628	2.3849368	1.9048829	2.13196	
8879	SGPL1	1.970539			2.944758	2.149552	1.701258			2.19153	
54982	CLN6	1.968883	1.56666			1.885835	2.386706	3.2502766	2.7907536	2.30819	
867	CBL	1.936391	2.06483			2.529446	2.319453		1.5182816	2.07368	
23198	PSME4	3.301864	2.35187		1.538496		2.098845	1.773842	1.5652539	2.10503	
55825	PECR	1.610979			1.976266	1.66444	2.449654	3.3774037	1.8960475	2.16246	
26123	TCTN3	1.750306	2.24527	3.466399		1.949205	1.678965		1.6086438	2.11646	
5683	PSMA2	1.521179	1.87372			2.482532	2.376507	2.8686907	2.5969534	2.2866	
10428	CFDP1	2.269604	1.83602	3.681198			1.600075	1.7888166	1.6889977	2.14412	
60493	FASTKD5	1.740963				2.257102	2.096203	2.982818	1.6495458	2.14533	
7520	XRCC5	2.034019	2.21785		1.666052	2.202142	2.86266	2.7062595	1.9818344	2.23869	
57491	PDCD6	1.60161		3.718084			1.541959		1.6793852	2.13526	
6608	SMO	2.145152				1.881447		2.8492541	2.2256215	2.27537	
54205	CYCS	2.195074	2.04919			2.118884	3.108471	1.9987409	1.7342151	2.20076	

57805	KIAA1967	1.987632				2.488719	2.427702	2.2735226	1.602148	2.15594	
2950	GSTP1	1.698121	2.3642		1.599713		1.595928	4.257902	1.5994946	2.18589	
10383	TUBB2C		2.81082		2.024747		2.260854	2.1433604	1.6419094	2.17634	
80025	PANK2	2.022261		1.799924	1.741893		4.271488	1.7210277	1.608564	2.19419	
26230	TIAM2		1.63775	3.193942		2.11216			2.2542045	2.29951	
84033	OBSCN	1.74766	2.59914			2.30705		2.6113057		2.31629	
5134	PDCD2				3.432556		1.978011	1.5390024	2.2756584	2.30631	
55023	PHIP	3.056691	1.57329		2.411048		2.16314	2.381556	2.0374396	2.27053	
836	CASP3	1.965365				2.609183	2.657521	2.0462232	2.7466083	2.40498	
25791	NGEF	1.982833	2.13437			1.827905	1.925322	3.7446582	2.883282	2.41639	
642812	API5	1.974757	1.55319	3.66488			2.157842		1.5559579	2.18133	
10116	FEM1B				2.71093	2.413205	1.906245		1.5130186	2.13585	
4851	NOTCH1	3.104813	1.5414	2.692468	2.624261	2.165434	1.95659		1.962298	2.29247	
7874	USP7	1.654098			3.895825	2.267743	1.920748	2.1818159	1.9104952	2.30512	
55819	RNF130	1.865967	2.2857	2.57211	2.429334	2.787419			1.9189728	2.30992	
22868	FASTKD2					1.864184	2.662478	2.6598938	1.8600482	2.26165	
29965	C16orf5	1.945873	2.39713			1.796839	2.372404	3.5278301	1.6314716	2.27859	
6242	RTKN	2.254494	2.31341			2.320957	1.934631	3.33292	4.095573	2.70866	
5245	PHB	1.509813	1.98645		3.099733		3.068792	2.5386465	2.2914002	2.41581	
1499	CTNNB1	2.506428	1.83341	2.384324	2.507214	1.73364	3.813023			2.46301	
5423	POLB	1.750162	2.56537		1.586682	2.522288	2.83855	3.580277	2.2671676	2.44436	
10939	AFG3L2	1.753364	1.56584		4.841168	2.527165	1.791685		2.049324	2.42142	
7150	TOP1	1.761542			3.842783		1.918015	2.6269517	2.7963526	2.58913	
731751	PRKDC	1.682515	2.02625		4.066702		2.961387	2.0190346	1.507182	2.37718	
6934	TCF7L2	1.601031		4.098093	2.562953	1.94274			2.2664385	2.49425	
6418	SET	1.707127	2.15525	2.258678	3.092752	2.18455	2.364062	4.3408084	2.3122704	2.55194	
6304	SATB1	2.233781			3.358896	2.901849		1.8948647	2.5555332	2.58898	
10049	DNAJB6	2.204037			3.088852	2.796444	1.930148	2.9947531	2.1635349	2.52963	
2395	FXN				1.825149		3.408269	2.5786657	2.0509808	2.46577	
642546	HK2	2.929508			2.514988	2.123492	1.681409	3.9924738	1.5662866	2.46803	
10497	UNC13B	2.324535			3.859293		1.766184		1.9441298	2.47354	

5718	PSMD12				3.634702	1.621885	3.209411	2.2605171	1.7136607	2.48804	
123606	NIPA1	2.434216				2.994585	1.763022	3.541285		2.68328	
51447	IP6K2	2.045355			4.001148	1.888968	1.740951	3.808359	1.5891726	2.51233	
5538	PPT1	2.671384		3.302264	2.844218	2.074044	2.398345	2.8942676	1.5336082	2.53116	
11218	DDX20					2.871218	2.464302	2.792014	1.8739874	2.50038	
100134381	ARHGEF9	1.511069		2.236577	3.156286	4.266868	3.109909	1.9969041	2.5150788	2.68467	
9994	CASP8AP2	2.683976		2.417247		2.612416	3.159641		2.0730789	2.58927	
4297	MLL	1.550304		2.370752	4.337623	2.142852	3.243312		2.1706138	2.63591	
7857	SCG2			3.331095		3.335203	1.537371		3.609803	2.95337	
4804	NGFR	1.827903					2.372535	4.0937133	1.9489721	2.56078	
230	ALDOC	2.772651			2.497005			3.0782082	1.7060782	2.51349	
152845	PLAGL2	1.658177			4.157172	3.034199	2.358894	2.71622	1.6670885	2.59863	
4214	MAP3K1	2.256836	2.51845			3.601305			2.4681325	2.71118	
5717	PSMD11	2.143801	1.75425		3.77236	4.174554	2.260234		2.6707225	2.79599	
3798	KIF5A					2.77696	1.664855	4.05115	2.2940707	2.69676	
23394	ADNP	3.147345			4.276178	1.900692	2.556182	2.371266	1.5119483	2.62727	
79017	GGCT	2.946321	1.87203	2.183883	2.738588	3.249249	3.388546	3.6706722	4.4657817	3.06438	
3066	HDAC2	2.720177	2.96313	1.913003	2.394114	3.316048	3.25612	3.5380154	2.4662402	2.82086	
9521	EEF1E1	1.930587	1.94515			2.853516	4.446895	3.190532	2.6223886	2.83151	
4089	SMAD4	2.858454		3.502537		2.314299			1.536473	2.55294	
6498	SKIL	2.70326	3.81138	2.674655		3.714254	1.621505		2.0969446	2.77033	
11083	DIDO1	2.444005		2.172988	2.406232	2.948161		4.593738	1.7237444	2.71481	
6651	SON				6.619979	1.536995	2.075681	1.5729356	1.5999731	2.68111	
58517	RBM25	3.591297	1.50717		2.173682	5.792907	1.809159		2.9235134	2.96629	
23263	MCF2L	2.134156	3.47804			2.437712	2.381147	4.5049486		2.9872	
81618	ITM2C	2.312185			4.057872	2.78868		2.8255138	2.2152185	2.83989	
3480	IGF1R	3.653409		3.457936	3.371902	2.462533		2.0865521		3.00647	
2064	ERBB2	2.386437		4.812039	4.028426		1.623151	2.2641864	1.8977093	2.83532	
1434	CSE1L	1.936305	2.01138		1.526966	2.58914	5.503254	4.708869	2.69239	2.99547	
64782	AEN	2.183502	1.87029		2.761801	2.390836	2.511283	6.5627856	2.393334	2.9534	
9618	TRAF4	3.197475	2.86226	2.504584	1.958336	3.676294	2.559555	4.6720843	3.3214462	3.094	

55632	G2E3	2.407546	2.25377			3.932154	2.483218	4.24121	4.8589864	3.36281	
10884	MRPS30	1.826079	2.04537	1.924095	6.961978	2.602127	3.220797	3.1277514	3.5037384	3.15149	
5792	PTPRF	3.766444	2.63374		4.427549	3.437837	2.169167	2.4629884	2.0239034	2.9888	
23636	NUP62	1.691894			6.493595	1.883258	2.387431	3.499432	2.0048745	2.99341	
2033	EP300	1.576934			3.795037		4.312778	3.2399204	2.903947	3.16572	
5777	PTPN6	2.660239	3.12287			3.792126	2.308492	4.2868605	4.873942	3.50742	
384	ARG2	2.393517	1.83526	8.883236	1.842858	1.823567	1.540034	4.359026	2.1337829	3.10141	
5074	PAWR	5.205868	1.75304	3.688655	2.05256	5.123367	1.646638		3.6568675	3.30386	
10276	NET1		2.86352		2.510919	2.108614	3.802324	4.974179	1.5337015	2.96554	
23411	SIRT1	2.14244	2.23545		3.128805	4.259193	4.00768	3.976469	2.708528	3.20837	
291	SLC25A4	1.991256	3.57262		5.196685	5.073516	2.027921	2.018242	3.8665822	3.3924	
8784	TNFRSF18	3.097799				3.429681		3.4295568	1.9874142	2.98611	
1969	EPHA2	3.442866	4.85528		2.547973		2.445728			3.32296	
50515	CHST11	2.008408		2.463027			5.554913		2.8143182	3.21017	
487	ATP2A1	3.857746	2.51972	3.505433			2.928482	3.925505	3.6551323	3.39867	
79675	FASTKD1	2.402749		2.261046		4.219548	4.685969	3.1758974	3.2697847	3.33583	
3714	JAG2	1.666087	2.14127			1.50193		8.424539		3.43346	
972	CD74		1.82489			5.941134	2.619274		9.420525	4.95146	
4891	SLC11A2	3.058408			5.628121	3.424256	2.61614	3.1372979	2.7640917	3.43805	
644745	HSPD1	2.896975	3.07955	1.959417	2.941831	3.089824	3.891726	7.263608	3.7715619	3.61181	
26586	CKAP2	1.977526	2.67713				4.91798	4.8558025		3.60711	
57820	CCNB1IP1	3.617757	3.42587	5.144284	1.713796	5.270221	3.246746	2.8351727	3.1975918	3.55643	
5058	PAK1	3.866076	3.33189	1.951866		4.856555	3.68485	3.9767926	6.2725067	3.9915	
580	BARD1	3.680899	3.14634	1.513352	3.858758	3.041096	4.392132	5.8344874	3.5328026	3.62498	
29944	PNMA3	2.139465				2.300096		6.487128	1.5959628	3.13066	
22850	ADNP2	2.156168	2.49925	4.366218	7.723711	3.338622	2.979636	2.8271897	3.5043523	3.67439	
117	ADCYAP1R1	3.946371	2.30357	7.265313		2.468529	2.57741		2.1585066	3.45328	
55775	TDP1	3.085993	2.37031		2.441996	2.963296	4.510945	7.014264	4.026675	3.77335	
3336	HSPE1	3.359251	2.93		1.641785	2.959953	3.501862	7.9995503	3.0636876	3.63658	
22822	PHLDA1	1.764012			6.076099		3.791788	3.4075694	3.1319535	3.63428	
79767	ELMO3	1.818781	2.64007	1.56998		2.603064		10.21304	3.0928907	3.6563	

1832	DSP	7.660738		1.845402	3.196749		2.441956		1.9563842	3.42025	
29775	CARD10		3.54704			3.17883	5.947907	2.5591738	3.741582	3.79491	
2521	FUS	2.311817	2.20513	3.051638	7.884768	1.628694	5.331676	4.3268886	1.7055581	3.55577	
2697	GJA1	4.084666	2.30891	3.079595	1.901277	1.806015		9.8813505	1.6579556	3.5314	
8797	TNFRSF10A	5.44693				1.548715	1.569628	6.874139	2.6146233	3.61081	
1894	ECT2	2.653603	3.03087			1.633155	2.940925	6.294435	6.7577786	1.806762	3.58822
57580	PREX1	4.545574	3.73293			1.664063	1.728245	8.059014	1.6505648	3.5634	
3148	HMGB2	2.496472	5.93293	2.02614	3.112216	2.327204	5.855754	6.2703032	2.2703433	3.78642	
83596	BCL2L12	2.899135	3.56168	2.314498		3.549716	4.7838	7.368936	5.0599356	4.21967	
729389	RPS6	4.95032	2.06432	5.622055		3.792515			2.4769487	3.78123	
1869	E2F1					1.689723	1.661603	8.992992	1.8681464	3.55312	
10018	BCL2L11	5.04034		6.441442		2.345009	1.728076	5.180919	2.5048053	3.87343	
10224	ZNF443	2.625385		1.717681			2.246184	10.018369	2.495678	3.82066	
2249	FGF4	5.77159				4.879436	1.828223		2.8802886	3.83988	
9700	ESPL1	3.199233	3.31922		3.544407	2.309187	4.260805	8.913242	2.358529	3.98637	
2956	MSH6	3.451381	3.48658	3.619064	5.286157	4.268872	4.213453	5.868745	3.3977726	4.199	
2260	FGFR1	3.071415	2.9012	10.78814	2.176792	3.97418	3.187967		2.2976015	4.05676	
7516	XRCC2	2.156289				4.166779	2.515279	8.724111	2.290292	3.97055	
57646	USP28	3.520462	2.80226	5.712184		6.185355	2.766406	5.6876945	5.367026	4.57734	
10253	SPRY2	3.080047	3.60522		8.340826	2.472583	3.421166	6.2866473	2.1872873	4.19911	
90249	UNC5A	1.684192		4.189273		5.857256	6.645935		2.563165	4.18796	
23421	ITGB3BP	2.380568	3.40029	3.725374		2.774713	8.421804	7.0938597	2.4628997	4.32279	
2643	GCH1	3.478262		6.836199	2.140183	5.86941	6.08308	3.562401	1.9184922	4.26972	
1718	DHCR24	3.571668			7.038774		1.918895	6.18239		4.67793	
8313	AXIN2	2.14033		8.439657		2.432257	5.007146	5.7092676	1.8328277	4.26025	
10962	MLLT11	2.371916	8.20614		3.950948	2.549168	7.792142	3.7655432	1.6114002	4.32104	
9368	SLC9A3R1	2.180302	11.3722	3.145165	3.744855	2.080295	3.757202	7.462338	2.9394004	4.58522	
3092	HIP1	4.406533		2.766008	10.44917	2.171904	4.440285		4.9846363	4.86976	
23205	ACSBG1			3.730194		3.026936		7.97132	2.216243	4.23617	
84433	CARD11	1.877351	1.8475	1.815501				14.284844	2.0525846	4.37556	
6502	SKP2	5.997126	2.16741	9.058856	1.846959	1.565438	2.582032	11.669729	2.6655214	4.69413	

55840	EAF2	4.418151		2.854019		7.102892	5.928887	4.9329305	7.874685	5.51859	
8718	TNFRSF25	1.815104				1.814738		11.691839	1.5725088	4.22355	
7015	TERT	3.231607	1.9533	4.055039		2.032276	1.57354	18.103813	1.8729709	4.68893	
11200	CHEK2	4.616144	2.85762	3.891213	1.553199	6.025293	4.015395	13.79561	5.598697	5.29415	
8851	CDK5R1	8.959924	3.91755	2.384135		5.414678	6.002135		4.905898	5.26405	
652799	KIT	1.974015			1.635673		1.891896	16.027613		5.3823	
23531	MMD	4.741748		4.577594	5.616538	6.004169	3.840231	7.596341	3.574515	5.13588	
10293	TRAIP		2.25054			2.667537	2.898308	13.908454	2.3328257	4.81153	
27237	ARHGEF16	1.922382	1.94598			2.02794	1.904339	19.507898	2.5813034	4.98164	
6712	SPTBN2	11.96628	3.9278	11.65819		1.661073	1.775816	2.3324575	1.7986019	5.01717	
23089	PEG10	2.948722	7.46503		11.79256	2.975508	5.680485	2.4845822	6.256485	5.65762	
23095	KIF1B	6.072466	5.12963		9.2489	4.205282	4.390597	4.362449	4.0466523	5.35085	
79960	PHF17	1.80545		6.09433	3.448881	4.244116	2.602994	15.510887	2.7846568	5.21305	
89	ACTN3	9.808815			5.407965	4.824488	2.486133		6.3800483	5.78149	
23239	PHLPP1	6.312313	3.60765	4.970987	4.297319	6.960598	3.552887	9.853268	7.679312	5.90429	
5625	PRODH	1.970481	4.34441	5.153619		3.311111	5.203901	14.125021	3.3979714	5.35807	
672	BRCA1	3.186652	3.61385		3.723028	2.479175	7.908553	13.738491	3.0555005	5.38646	
26999	CYFIP2	3.90232	4.96388	6.347995	10.67133	7.413981	5.848915	1.7066659	5.059089	5.73927	
22974	TPX2	3.36468	5.77587		5.385743	2.089633	8.371429	10.525951	2.7595878	5.46756	
655	BMP7	5.598225	2.72852	3.651457	2.104665	5.304434	4.685935	17.47875	3.5564678	5.63856	
1848	DUSP6	7.056815			9.184544	5.583918	2.31993		3.3552115	5.50008	
9844	ELMO1		7.89886	6.134658		3.123262	3.645825	9.442469		6.04902	
27242	TNFRSF21	7.003263		2.458355	4.470643		12.39581	4.516254	4.6528997	5.9162	
5336	PLCG2	2.943089				2.764388	2.412107	17.82703	1.8638754	5.5621	
393	ARHGAP4		1.5976	2.196167		2.516698	1.595104	24.981867	2.744387	5.93864	
2045	EPHA7	9.254197	6.81887			5.38796	5.645554		2.69273	5.95986	
6491	STIL	4.723892	6.93078		3.994224	3.361467	7.500081	15.602456	2.3918078	6.35781	
4744	NEFH					3.037899	2.051246	16.055395	1.9576782	5.77555	
51454	GULP1	4.535692	3.89725		11.35324	16.17394	2.031559	4.9879456	4.0100007	6.7128	
7074	TIAM1	23.9861	2.39875	5.172744	8.550782	1.916441	3.180172		3.8964674	7.01449	
6195	RPS6KA1	6.096619	5.39406	6.940883		8.034543	3.749344	15.652069	8.555605	7.77473	

9414	TJP2	4.235813	2.55988		13.96638	2.915098	7.648673	15.526299	4.6597404	7.35884	
7840	ALMS1	11.82393	5.74879	5.614133	3.407702	16.69623	11.32646	1.9703921	6.5831113	7.89634	
3635	INPP5D	2.254069	1.63676			2.601095	1.509411	33.880787	2.6736672	7.42596	
5590	PRKCZ	5.580573	9.07831	9.742494	5.101184	8.284832	7.250037	14.47866	6.5458817	8.25775	
79370	BCL2L14		2.68126				1.617545	21.454775	2.5187478	7.06808	
10763	NES				17.54099		1.772527	6.982502	1.6293706	6.98135	
5608	MAP2K6			7.965661	5.066815	3.935996	2.742251	25.001047	2.3887765	7.85009	
332	BIRC5	1.918327	4.00442		6.779532	2.440529	10.45264	28.451643	2.5086339	8.07939	
943	TNFRSF8	3.224053	1.59718			4.410968	1.768822	35.202866	4.6678624	8.47863	
1280	COL2A1	22.39707	2.5308	7.15383		13.08084	9.319928	3.5028777	2.9993954	8.7121	
27443	CECR2	7.001907	3.54101	13.42492		7.661031	8.980178	20.108284	7.0816717	9.68557	
4318	MMP9	3.766914	3.84204			3.589554	2.359999	37.218044	4.122109	9.14978	
4436	MSH2	7.872501	9.62854	5.64566	7.436979	8.213274	8.866117	24.195642	11.182412	10.3801	
121512	FGD4	2.847129				11.37992	1.716931	27.013445	2.177825	9.02705	
8805	TRIM24	7.007163	3.07291	10.46904	26.83538	5.212023	4.891439	17.763401	3.902233	9.8942	
6659	SOX4	12.76609	1.8384	10.14171	25.6497	21.2429	1.733506	2.6827672	20.673393	12.0911	
2308	FOXO1	6.423273	6.29385	31.65521	13.03745	13.75041	2.3545	2.933073	13.185388	11.2041	
7153	TOP2A	4.186043	9.95352		3.257644	2.992479	18.2336	27.388899	3.1685643	9.88296	
3655	ITGA6	3.176649	12.9552		4.640734	3.48723	7.325881	36.308712	1.7923297	9.95525	
8739	HRK					2.144742	2.345748	29.579643	2.0382202	9.02709	
4085	MAD2L1	4.071986	7.23813		4.069066	4.214362	23.45871	25.987598	6.8074217	10.8353	
983	CDK1	5.793901	11.4685		2.62223	4.82041	18.96859	26.052166	4.919987	10.6637	
148203	ZNF738	10.82714	4.99539	6.4451		13.66115	13.29601	23.948643	13.073481	12.321	
10507	SEMA4D	12.92022	2.69487	11.85093	6.693527	20.98251	3.099472	27.190493	10.7783165	12.0263	
1620	DBC1	11.13295		21.67146	6.022758	3.661293	1.781587	32.35391	5.7339973	11.7654	
646359	TERF1	9.140893	4.98752	19.51699	9.800294	18.02755	6.523816	32.11406	11.825001	13.992	
6622	SNCA	18.44402	7.96892		11.91225	10.8848	10.6127	26.275394	7.4909096	13.3699	
255738	PCSK9	24.0016				11.84608	1.615379	21.156807	6.0368032	12.9313	
5366	PMAIP1	11.87751	5.87727		8.674667	18.25682	11.18451	34.072777	10.702271	14.378	
5588	PRKCQ	6.253207	7.5728	9.170064	8.335066	16.82272	7.63312	50.52627	16.584122	15.3622	
4950	OCLN	14.46142	7.81321	10.49717		20.74528	17.09171	26.547094	17.727964	16.412	

3070	HELLS	20.44822	10.298	8.457115	20.23198	13.5946	18.44563	26.093401	13.684708	16.4067	
70	ACTC1	30.75934	33.4556		2.634964	7.968043	9.33487		14.307761	16.4101	
3875	KRT18	13.78816	67.9778	3.1137	11.07155	16.95189	3.660701	2.419088	3.5557418	15.3173	
638	BIK	2.01864				4.602645	10.31606	52.280273	3.9147255	14.6265	
112399	EGLN3	5.247666	5.48623	5.316144		22.89551	19.72379	46.84581	23.024294	18.3628	
887	CCKBR	10.03689	63.2684			2.156317	12.07539	4.0943336	2.64374	15.7125	
91662	NLRP12	1.511064	1.8982			2.906059	1.904492	85.70917		18.7858	
5579	PRKCB	6.730728		13.57815	3.193821	23.16775	8.500139	57.860542	12.204941	17.8909	
1612	DAPK1			15.45849	27.14326	31.87857		4.1723394	1.8676698	16.1041	
701	BUB1B	7.563566	10.4464	3.153271	8.535595	6.203989	29.49775	73.88131	5.519666	18.1002	
4001	LMNB1	7.72366	15.7516		21.80563	4.833463	32.89372	36.50795	6.4880905	18.0006	
699	BUB1	6.047968	21.969	2.591539	10.96465	6.038266	48.12449	53.42672	4.762073	19.2406	
5272	SERPINB9	13.85985	14.19	50.63452	35.8619	11.19964	5.074618	18.385635	4.789405	19.2494	
2487	FRZB	5.373217	66.6155			3.849995	30.65097	6.3486485	2.1815298	19.17	
7852	CXCR4	7.209695	65.4613				9.253258	11.988041	3.21992	19.4264	
1515	CTSL2	16.02616	42.8243	12.0046	25.35782	7.90148	20.26295	47.16065	10.627104	22.7706	
2065	ERBB3	40.36485	10.4803	27.44621	17.03657	53.77207	7.923642	21.547722	13.794614	24.0457	
2261	FGFR3	42.94177	16.0761	28.12387	29.914	21.88373	38.19109	3.1126747	25.290003	25.6917	
137970	UNC5D	30.08884	12.1028	18.55784		11.29091	21.62338	90.51012	19.344236	29.074	
10451	VAV3	6.377334		3.634842		5.319538	2.123059	150.0627	7.845137	29.2271	
650	BMP2	29.1206	112.123		16.82	1.870772	14.45204		1.6089703	29.3325	
84707	BEX2	30.97435	22.8724	87.97156		35.66027	20.95672	20.774687	38.854782	36.8664	
11040	PIM2	6.860528	3.81214	14.80385	9.473548	14.61785	5.825018	202.81493	12.122774	33.7913	
79152	FA2H	5.483108		3.703144		4.894659	4.365409	167.38565	3.9821813	31.6357	
7855	FZD5	2.600572	5.217	91.01433	49.92157	2.258627	2.431232	123.44596	3.523397	35.0516	
5521	PPP2R2B	14.31339		17.59231	9.32749	16.10705	51.28494	137.3737	23.159414	38.4512	
3932	LCK	4.544681	3.83496	22.3501	12.09086	34.93991	7.095047	221.02948	33.740753	42.4532	
5354	PLP1	31.10701	16.93	137.0302	14.41053	62.06211	32.90925	28.461866	30.819971	44.2164	
100129500	APOE	61.75075	16.8501	54.23749	125.4608	52.64808	12.71417	14.928238	34.92543	46.6894	
57556	SEMA6A	204.0312	28.8396	46.60993	13.71367	24.01922	4.132999	38.293053	13.66745	46.6634	
1829	DSG2	51.76137	56.0698	35.83922	38.83932	139.6664	53.2985	14.929915	124.38163	64.3483	

51765	MST4	16.81426	31.0788	262.1628	24.44605	28.11191	80.00013	6.4313965	9.956506	57.3752	
6423	SFRP2	117.8265	13.6538	140.0903		80.08801	45.31671		156.32962	92.2175	
51083	GAL	21.56089	6.54241			97.1989	4.131705	4.177731	346.78983	5.214663	69.3737
999	CDH1	436.7429	18.4026	3.990161	58.08501	32.98293	18.83012	63.12021	30.366465	82.8151	
6997	TDGF1	332.1823	217.653	345.0613	119.7487	319.1649	179.6363	641.4684	364.79123	314.963	
100133941	CD24	412.8356	315.172	633.1348	205.5619	474.0167	964.9035	803.004	942.3962	593.878	
6657	SOX2	23.95504	9.97088	95.22282	46.73131	47.00792	55.1979	4784.5825	55.10322	639.721	

Consensus Differentially Expressed Transcription Factor Genes in Human iPSCs Compared to HDFs (expressed as fold change*)

Entrez ID	Gene Name	Chin	Lowry	Munoz	Bock	Ebert	Maherali	Sun	Yu	Average	
7026	NR2F2	-17.4309	-2.71643	-4.06002	-10.0396	-11.4671	-7.9488	-585.0574	-8.696796	-80.927	
3225	HOXC9		-1.90283			-6.23844	-3.02723	-325.6205	-4.102529	-68.178	
2018	EMX2	-53.4195	-56.9005	-22.6842		-101.622	-1.96239	-240.47949	-24.71545	-71.683	
6591	SNAI2	-15.6516		-32.6382	-40.7014	-135.75	-6.54689	-214.50278	-78.85615	-74.95	
3205	HOXA9	-3.76427	-16.9202			-52.2527	-11.3589	-200.02087	-46.202656	-55.087	
6913	TBX15	-2.56464	-4.01684			-10.2673	-2.82779	-255.24721	-2.11659	-46.173	
6492	SIM1	-175.519	-4.14515			-33.3162	-1.7529		-3.6220064	-43.671	
2295	FOXF2	-101.726	-35.3431		-19.8646	-16.4379	-51.1511	-78.89676	-64.06844	-52.498	
1879	EBF1	-44.4028	-4.39993			-123.543	-6.28502	-55.13886	-22.84144	-42.769	
283078	MKX	-32.0833	-62.9204			-12.8239	-65.6342		-75.76831	-49.846	
79191	IRX3	-2.19331				-8.06636		-116.091	-9.22688	-33.894	
5396	PRRX1	-29.0065	-53.3026		-4.86456	-94.7089	-23.8362	-45.540207	-41.50076	-41.823	
10194	TSHZ1	-101.699	-7.8755		-24.9255	-33.4518	-31.7945	-20.870722	-49.69254	-38.616	
2034	EPAS1	-37.1558	-51.0711	-11.3445	-60.6577	-23.5266	-17.3102	-30.719522	-36.348564	-33.517	
7545	ZIC1			-5.1729		-86.9576	-3.82157	-32.814762	-3.136272	-26.381	
9839	ZEB2	-14.5148	-2.4279	-6.08044	-22.0312	-35.1261	-2.10352	-117.88607	-55.589077	-31.97	
169792	GLIS3	-41.242	-15.189		-18.5023	-24.9504	-22.2925	-45.54781	-40.77584	-29.786	
6935	ZEB1	-22.8764	-12.7081	-30.6782	-33.4575	-65.2477	-7.93768	-19.528645	-44.990265	-29.678	
4212	MEIS2	-13.7144		-6.09503	-24.5625	-92.8176	-1.81118	-22.79725	-58.851658	-31.521	
860	RUNX2	-22.5998	-13.9965		-33.3065	-16.8446	-12.6325	-61.802837	-16.06485	-25.321	

7474	WNT5A	-7.90927	-13.3196	-20.1457	-34.9011	-40.6635	-17.2382	-52.304554	-59.417484	-30.737	
1052	CEBPD	-38.4445	-31.2883	-8.20901		-23.0504	-16.4631	-39.760483	-21.677881	-25.556	
7025	NR2F1	-32.7872	-14.5195		-71.2171	-19.7989	-6.27524	-11.313899	-89.37611	-35.041	
6926	TBX3	-6.99266	-7.0174		-53.5301	-56.0065	-24.856	-4.1907716	-135.25726	-41.122	
2297	FOXD1	-9.3676		-6.8934	-117.889	-4.59668	-5.61421	-2.2055023	-2.229996	-21.257	
687	KLF9	-18.7578	-8.0409		-7.34568	-4.53297	-6.84497	-89.84136	-5.8368754	-20.172	
10365	KLF2	-5.8504		-10.0628	-9.7923	-8.62896	-3.39991	-94.86835	-13.768097	-20.91	
3209	HOXA13	-11.2363	-21.4639			-1.83363	-50.3781		-34.690506	-23.92	
10265	IRX5	-14.2367	-5.52305			-10.7974		-51.394608	-11.525357	-18.695	
7291	TWIST1	-30.1374	-4.98599	-6.84425	-26.9929	-18.9848	-14.035	-30.808748	-9.663682	-17.807	
4784	NFIX	-5.21151			-15.8024	-4.66283	-27.7909	-39.39048	-60.512123	-25.562	
2294	FOXF1	-5.70415			-43.0759	-15.0404	-9.38621		-31.699238	-20.981	
5468	PPARG	-8.55038	-7.17254		-12.2666	-3.95157	-3.37484	-64.07048	-9.383669	-15.539	
6474	SHOX2	-28.6406	-5.68206	-9.4244	-7.85457	-19.3234	-27.6234	-10.150098	-15.176722	-15.484	
1827	RCAN1	-9.74149	-5.60723	-16.9273	-35.2345	-7.97028	-3.92921	-26.083555	-6.1751018	-13.959	
4211	MEIS1	-17.8628	-16.3427	-3.61639	-13.5761	-10.6593	-20.5993	-15.051911	-35.781937	-16.686	
4862	NPAS2	-17.7289	-2.28541		-8.40786	-2.51196	-6.85678	-41.777424	-11.11563	-12.955	
117581	TWIST2	-16.6464	-10.1378		-12.1638	-21.9815	-2.686	-14.817785	-15.206555	-13.377	
3202	HOXA5	-4.114			-23.6918	-6.14734	-3.08906	-27.821552	-5.8965006	-11.793	
861	RUNX1	-8.81614	-4.95627	-7.60032	-7.15514	-2.05897	-9.32188	-50.322777	-2.126789	-11.545	
3200	HOXA3				-24.8349	-5.02806	-3.20916	-16.703764	-3.1639326	-10.588	
2296	FOXC1	-2.92039	-2.61216		-5.1752	-32.7478	-6.15741	-22.200655	-52.7695	-17.798	
3204	HOXA7					-5.48635	-2.87415	-27.32313	-2.1107743	-9.4486	
7421	VDR	-2.5276	-1.9042	-11.5778	-10.1741	-2.14099	-2.4904	-51.440937	-2.131856	-10.548	
3226	HOXC10	-11.0215	-10.1299				-16.1713	-9.34819	-22.057068	-13.746	
4781	NFIB	-1.54692					-1.56299	-31.771456	-1.5036561	-9.0963	
11244	ZHX1	-17.1161	-10.8024			-9.6839	-5.71844	-13.046968	-12.622296	-11.498	
2908	NR3C1	-12.4103	-4.13479	-8.03859	-7.10212	-18.6815	-3.78475	-24.717197	-9.057126	-10.991	
6910	TBX5	-10.8779	-4.79843		-34.4985	-4.68965	-1.85165	-6.820566	-5.974134	-9.9301	
79776	ZFHx4	-4.19301	-2.22148		-4.28677	-5.65273	-1.55522	-44.659878	-1.9688134	-9.2197	
3207	HOXA11	-16.156	-7.3073			-6.84627	-10.5666		-11.669399	-10.509	

6495	SIX1	-7.03135	-3.2694			-6.77176	-4.49494	-2.93421	-35.520462	-4.0510387	-9.1533
3199	HOXA2					-17.3995	-16.2629	-2.29176	-3.1817107	-6.114098	-9.05
3142	HLX						-11.9302	-2.07373	-14.944845	-5.167394	-8.529
165	AEBP1	-2.95383	-12.1873	-3.99129			-6.62902	-18.9819	-12.20057	-7.057581	-9.1431
3206	HOXA10	-11.1318	-5.87112	-5.46872			-6.99283	-8.57649	-18.888287	-7.594405	-9.2177
2313	FLI1						-7.7039	-3.79894	-15.409026	-6.2491775	-8.2903
3090	HIC1		-4.58631				-3.06663	-2.54494	-25.053732	-15.689891	-10.188
90993	CREB3L1	-8.72473	-5.15571	-10.8774	-8.80619	-8.90107	-12.4596	-4.947344	-9.5988035	-8.6839	-8.6839
5307	PITX1	-5.97221				-20.0038		-5.96369	-1.7401863	-21.02379	-10.941
4208	MEF2C				-2.42836	-8.5587		-13.504002	-3.2939596	-6.9463	-6.9463
10370	CITED2	-12.2098		-4.08334	-12.7751	-11.9885	-2.10762	-3.2885075	-9.271096	-7.9606	-7.9606
3236	HOXD10	-8.25717	-2.45393				-15.6443	-4.36718		-6.381656	-7.4209
10379	IRF9	-6.6324	-10.765	-4.96159			-6.94026	-8.82193	-7.481613	-7.441139	-7.5777
4286	MITF	-9.11198	-4.02815		-10.0823			-7.92994	-5.133478	-5.0865393	-6.8954
1649	DDIT3	-5.9963		-7.32548			-5.2023	-6.09133	-11.114559	-5.555604	-6.8809
2355	FOSL2	-14.064	-5.2385	-5.10366	-6.40596	-2.79028	-1.98832	-13.712113	-2.0979471	-6.4251	-6.4251
2303	FOXC2	-6.29514				-16.1975	-2.99643	-1.84117			-6.8326
51450	PRRX2	-10.5969	-5.34838	-6.48983			-9.07537	-3.77059	-5.2339196	-7.9915113	-6.9295
4782	NFIC	-11.4698	-4.43026			-7.70072	-7.22543	-2.82981		-3.2899725	-6.1577
602	BCL3	-4.90785	-3.30476	-4.92754	-6.62917	-4.86881	-4.68935	-17.609457	-5.1017003	-6.5048	-6.5048
604	BCL6	-4.0244	-4.23147	-3.03933			-5.60085	-4.58714	-17.446302	-6.2946334	-6.4606
153222	C5orf41	-3.97586	-3.63459				-2.03789	-13.5446	-9.107435	-1.8266983	-5.6879
9338	TCEAL1	-8.73424	-7.02013	-6.44198			-4.51092	-6.50666	-5.467439	-5.8585005	-6.3628
4774	NFIA	-3.75407	-5.91459				-3.90534	-2.59863	-15.78363	-4.386376	-6.0571
3726	JUNB	-4.04714	-6.0489			-2.80066	-6.62093	-2.63861	-15.022196	-10.665688	-6.8349
6909	TBX2	-7.21046	-1.71592			-5.1424	-1.52623	-2.09758	-19.444216	-1.6652554	-5.5432
3237	HOXD11		-3.44164				-11.4272	-3.60509		-7.06863	-6.3856
196	AHR	-7.48828	-9.20378	-2.75865	-4.99568	-7.30568	-3.76606	-7.1834908	-5.6003966	-6.0378	-6.0378
6322	SCML1	-2.46669	-8.36245	-10.2874	-5.94982	-6.4401	-6.40674	-2.4596193	-7.132117	-6.1881	-6.1881
79365	BHLHE41	-6.31968					-3.35488	-8.13448		-8.463542	-6.5681
7227	TRPS1	-3.94001	-4.00641	-7.87803			-6.86204	-8.02181	-4.539994	-4.1564627	-5.6293

6775	STAT4		-1.56226	-12.0299		-3.1293	-1.53037	-10.223206	-2.292647	-5.128	
93986	FOXP2	-5.28407	-3.70608		-7.91901				-6.233009	-5.7855	
3221	HOXC4	-2.41409		-12.9923		-5.04068	-1.84791		-2.322773	-4.9236	
639	PRDM1				-5.60191	-9.40154	-1.672		-6.625549	-5.8252	
6773	STAT2	-4.22542	-5.48019			-5.30403	-7.91387	-3.8352087	-2.9055316	-4.944	
253461	ZBTB38	-4.59081	-4.52696	-8.79069	-5.73765	-5.03625	-1.66467	-6.799796	-2.3473094	-4.9368	
2300	FOXL1	-3.21395	-2.13196		-14.9906	-3.30496	-2.8029		-2.8885572	-4.8888	
8553	BHLHE40					-2.53678	-1.51019	-11.665499	-2.0394719	-4.438	
4790	NFKB1	-4.4698	-4.35495			-4.49495	-3.75802	-8.389092	-3.225327	-4.782	
1316	KLF6	-2.64741			-10.636	-4.9206	-1.81696	-5.4448485	-3.484776	-4.8251	
2624	GATA2	-6.46328			-2.08036	-6.13587	-5.06182		-13.257643	-6.5998	
2965	GTF2H1	-4.99989	-6.58891	-6.11938		-2.90434	-3.14991		-4.0343313	-4.6328	
23051	ZHX3	-7.30728	-1.6917		-1.81102	-3.21944	-1.67131	-12.647919	-2.792528	-4.4487	
3725	JUN	-2.68739			-9.09814	-5.03444	-1.96215		-2.9443662	-4.3453	
10736	SIX2	-3.99104	-5.00462					-4.846375	-1.7228954	-3.8912	
6772	STAT1	-3.91494	-6.25296	-5.53804	-3.04895	-3.42944	-2.8767	-7.1357327	-3.3840768	-4.4476	
463	ZFHX3	-8.52861	-1.55396		-3.13785	-3.61915	-2.58005	-8.103323	-3.1763914	-4.3856	
6662	SOX9	-1.72915			-8.9903			-2.7623258	-2.1074715	-3.8973	
1051	CEBPB	-5.83887	-5.86594	-2.78055		-4.36706	-3.79226	-4.2617106	-4.265228	-4.4531	
5813	PURA	-5.413	-1.69585	-2.93268	-6.10307	-3.91057	-2.28478	-8.816209	-3.3060415	-4.3078	
2000	ELF4	-5.06186	-3.27669	-2.11353	-5.13491	-3.99383	-4.05094	-7.3651524	-5.5129895	-4.5637	
2122	MECOM	-4.41571	-2.48671		-6.68986	-6.48705	-1.7459		-7.142807	-4.828	
112770	C1orf85	-2.00432	-3.32863			-3.7786	-8.07035		-6.9614115	-4.8287	
4094	MAF	-4.64832	-6.11297			-2.5496	-2.95045	-4.748514	-4.595717	-4.2676	
27086	FOXP1	-3.21946			-2.56214	-2.16009	-2.63564	-9.976409	-2.314856	-3.8114	
7586	ZKSCAN1	-1.94033				-1.86882	-3.30148	-9.297732	-1.8606004	-3.6538	
57616	TSHZ3	-3.81563	-4.61657				-3.8267		-1.7155858	-3.4936	
4213	MEIS3P1				-5.77542		-2.00442	-4.303114	-2.2143803	-3.5743	
4093	SMAD9	-2.64431			-6.49358	-1.80349	-5.09221		-8.120054	-4.8307	
862	RUNX1T1	-2.79665	-6.24836			-1.96009	-4.85674		-1.9167835	-3.5557	
6778	STAT6	-4.71411	-3.70391	-2.36279		-3.28955	-4.4483	-4.0536723	-3.5586693	-3.733	

23054	NCOA6	-2.49923			-2.80711			-5.877229	-2.5566661	-3.4351	
6938	TCF12	-1.55524	-5.94371			-5.29904	-3.23426	-2.4451635	-1.7786086	-3.376	
4783	NFIL3	-2.47253	-3.68986	-2.82752	-7.35685	-2.30734	-2.23076	-4.498634	-2.4600701	-3.4804	
25937	WWTR1	-2.92473	-2.87788	-2.54478	-8.43175	-2.82444	-1.83218	-3.9191527	-2.473012	-3.4785	
51274	KLF3	-2.39104	-2.65374			-2.98386			-6.298671	-1.8045245	-3.2264
9314	KLF4	-5.52099	-2.43894			-2.43385	-4.69214	-2.74563		-3.104046	-3.4893
122953	JDP2	-4.03816	-2.57516				-3.03908	-3.45897	-4.6092625	-3.0283115	-3.4582
1997	ELF1	-4.1133	-2.70913	-2.37503	-6.95676	-2.63205	-2.05736	-3.6748104	-4.6514773	-3.6462	
7621	ZNF70	-4.38837	-4.77648				-2.58496	-2.28084	-3.3664703	-3.150689	-3.4246
4084	MXD1					-1.9845	-2.70726	-5.606242	-3.4666162	-3.4412	
7067	THRA	-1.72133		-2.04773	-1.5748	-3.02046	-2.11015	-10.020329	-2.5974894	-3.2989	
7068	THRB	-2.18901	-8.00539			-1.76605	-1.69376		-2.8637054	-3.3036	
10616	RBCK1	-2.33053		-3.09801		-2.43313	-3.94067	-5.2106075	-2.1966078	-3.2016	
3660	IRF2	-2.34949	-4.06333			-1.67013	-5.87057	-3.0018153		-3.3911	
8548	BLZF1		-2.24395	-6.95055		-1.82055		-2.467527	-2.603511	-3.2172	
7020	TFAP2A	-4.93546	-3.06287				-1.93358		-42.262413	-13.049	
5970	RELA	-3.04241	-2.85048	-3.59209		-2.99081	-3.79208	-3.5434005	-3.0992587	-3.2729	
221937	FOXK1	-2.03301				-6.00658	-2.40823	-2.637031	-8.298007	-4.2766	
7799	PRDM2	-1.58446	-2.37054			-2.781	-3.69705	-5.8629107	-1.6115942	-2.9846	
5465	PPARA	-3.67327	-1.6234			-2.44077	-2.97064	-5.5352516	-1.6100347	-2.9756	
10346	TRIM22	-2.56517	-6.84961	-3.01649		-1.77395	-1.92066			-3.2252	
3659	IRF1	-3.17725	-2.65578		-2.52962	-2.83145	-3.05331	-5.0698037	-2.8419323	-3.1656	
3091	HIF1A	-1.76053	-1.72388	-2.07378	-1.70958			-8.604344	-1.8416454	-2.9523	
7942	TFEB	-5.17984					-1.55939	-2.6661856	-3.5165794	-3.2305	
8013	NR4A3		-3.35324			-4.25708	-1.72607		-2.7028673	-3.0098	
6774	STAT3	-2.01434	-5.47953		-3.22367		-2.9006	-1.868115	-1.7944908	-2.8801	
7003	TEAD1	-2.846	-2.3343			-2.06057	-3.24914	-4.9452586	-3.1271715	-3.0937	
23764	MAFF	-2.32546		-2.77999	-5.65317	-2.04485		-2.5174222	-1.8472264	-2.8614	
2113	ETS1	-2.80581	-1.56577		-7.44294	-2.17898	-1.60164	-2.7515907	-2.116493	-2.9233	
23175	LPIN1	-1.70123				-2.50634	-3.60866	-4.3057585	-2.258729	-2.8761	
11278	KLF12	-2.16588			-2.39914	-1.81939		-5.736026	-2.238997	-2.8719	

10725	NFAT5	-2.02737	-2.7018	-2.26161			-2.12722	-5.983861	-2.0663462	-2.8614	
84662	GLIS2	-3.27681	-3.13801				-2.64217		-2.1905887	-2.8119	
56731	SLC2A4RG	-2.43776	-1.81865	-3.0238	-2.96391	-2.36679	-2.50863	-5.624926	-2.1556191	-2.8625	
5925	RB1	-2.72995	-1.66356	-3.22298	-4.18339		-1.82603	-4.0457683	-2.2223835	-2.842	
2004	ELK3	-2.2506		-1.97755		-4.14773	-1.75241	-4.5288415	-1.8174646	-2.7458	
22955	SCMH1	-1.60484				-1.78615	-2.4256	-5.8340144	-1.7553022	-2.6812	
10488	CREB3	-2.628	-1.80539	-3.24767	-5.29214	-2.54067	-1.90762	-2.652176	-2.4961119	-2.8212	
4824	NKX3-1				-3.7904	-3.11473	-1.77752	-2.520613	-1.6932175	-2.5793	
7707	ZNF148	-1.86344	-2.09275	-3.02948	-2.80564	-2.24831	-2.23683	-5.0635576	-2.2819269	-2.7027	
10589	DRAP1	-2.05012		-2.24897	-5.19251			-1.5339662		-2.7564	
84962	JUB	-4.25218				-1.87133	-1.95718	-2.285906	-2.475602	-2.5684	
5914	RARA	-2.6564				-2.46982	-3.63652	-1.6033661	-2.0121486	-2.4757	
4088	SMAD3	-2.70519	-2.14768	-1.69693	-3.94139	-2.07786	-2.02322	-3.2406363	-1.6025171	-2.4294	
22921	MSRB2	-2.27617	-1.64949	-3.35976	-1.89892		-2.05054	-4.0193458	-2.3404582	-2.5135	
677	ZFP36L1	-1.8842	-2.61233			-2.03415	-2.52132	-3.6367145	-1.7762375	-2.4108	
11016	ATF7	-3.29308	-2.54458				-1.6945		-1.921778	-2.3635	
9575	CLOCK		-2.08756	-2.62565			-1.79012	-3.5218263	-2.0513463	-2.4153	
5934	RBL2	-1.51575		-2.75033			-2.5442	-3.0906925	-2.075676	-2.3953	
27125	AFF4				-3.31361	-2.70955	-1.76478	-2.0985773	-2.2047682	-2.4183	
6945	MLX				-3.13201	-2.00574		-2.209615	-1.8834018	-2.3077	
4799	NFX1	-2.26248	-2.95736			-2.22296		-2.3350916		-2.4445	
55769	ZNF83			-2.28584	-3.65151	-2.21967	-1.56673		-1.5216857	-2.2491	
4780	NFE2L2	-2.36549	-2.01346	-3.3284		-1.88666	-1.51794	-3.3948777		-2.4178	
4776	NFATC4	-2.90283	-2.12309			-1.66452	-3.08744	-2.2204309	-2.2172472	-2.3693	
10943	MSL3	-2.41858		-2.5084		-2.14181		-2.486528	-2.3224626	-2.3756	
2073	ERCC5	-2.36845	-2.65722	-1.67001			-3.06525	-2.059881	-2.4264317	-2.3745	
3275	PRMT2	-1.91002	-1.76347	-2.179	-3.12175	-2.42438	-1.91634	-3.2154145	-1.6554445	-2.2732	
7030	TFE3	-2.40922	-2.38856	-1.62655			-2.67512			-2.2749	
1389	CREBL2	-2.52682	-1.661	-3.22267	-3.01831	-1.50758	-1.57885	-2.3723798	-1.6639119	-2.1939	
22926	ATF6			-2.34161	-2.33258	-1.5595	-1.66942	-3.3662105	-1.9098749	-2.1965	
4091	SMAD6					-3.11756	-1.87223	-1.7583429	-4.300215	-2.7621	

55806	HR	-2.12782	-2.02329			-2.57821	-1.5584	-2.8890405	-1.8674772	-2.174	
7376	NR1H2	-1.84032		-2.22313	-1.79299	-2.35401	-2.8044	-2.349225	-1.8393581	-2.1719	
7706	TRIM25	-1.93295	-3.95963		-1.70294		-1.82221	-1.6560069	-1.511182	-2.0975	
22980	TCF25	-1.67337	-2.18023		-1.78247	-2.90697	-1.6437	-3.0255828	-1.5299337	-2.106	
6257	RXRБ	-2.2446	-1.80329	-1.9164		-1.74958	-2.08829	-3.311781	-1.7061527	-2.1172	
6256	RXRA	-2.30944	-2.2887			-2.12358	-2.05019	-2.0680194	-2.1980414	-2.173	
6925	TCF4		-2.13258			-1.7578	-2.03447	-2.7255976	-1.8283147	-2.0958	
5467	PPARD	-2.88687	-1.60164	-1.78658		-2.12109	-1.53171	-2.9653344	-3.3576188	-2.3215	
55810	FOXJ2	-1.95602		-1.5417		-2.15835	-1.85174	-3.220677	-2.0638862	-2.1321	
8216	LZTR1	-1.61266	-1.55165			-1.56413	-1.9116	-4.0339193	-1.51422	-2.0314	
55553	SOX6	-1.62999			-3.05801		-1.70037		-1.6433386	-2.0079	
9975	NR1D2	-1.76543	-1.99944	-2.05261			-1.72848	-3.0153093	-1.6947421	-2.0427	
2120	ETV6	-2.07439	-2.05748				-1.96447	-2.0915284	-1.5022846	-1.938	
4205	MEF2A	-1.77137	-2.24995	-2.44093	-1.5526	-1.76567	-1.91681	-2.6301928	-1.732452	-2.0075	
2309	FOXO3	-1.75242	-2.80152				-1.52545		-1.6321135	-1.9279	
4520	MTF1	-2.25819	-2.18428			-1.55478			-1.9472778	-1.9861	
678	ZFP36L2	-1.56937	-2.13855			-2.17597			-1.7551919	-1.9098	
5463	POU6F1		-2.12949				-1.84234	-1.8053292	-2.7747023	-2.138	
4087	SMAD2	-2.34862	-1.70078	-1.84951				-1.7715343	-2.0519755	-1.9445	
405	ARNT	-1.77013	-1.73906			-1.65641	-2.02306	-2.2750113	-1.8104012	-1.879	
5927	KDM5A	-1.67794	-1.95468			-2.01575			-2.544007	-2.0481	
1388	ATF6B	-2.24619			-1.68027	-1.67054	-1.78781	-1.7883706	-1.5746464	-1.7913	
6497	SKI	-1.55776	-1.72984			-1.90548	-1.76609	-2.1809425	-1.8045105	-1.8241	
6936	C2orf3	-2.23396	-1.66494	-1.68292				-1.6946257		-1.8191	
4149	MAX	-1.55944	-1.71071			-1.6031	-2.03918	-1.9836555	-1.7547209	-1.7751	
10474	TADA3			-1.75632			-1.68393	-1.8949093	-1.6137923	-1.7372	
6883	TAF12	-1.71755		-2.06825	-1.51659			-1.5097742		-1.703	
4209	MEF2D	-1.69053	-1.76975			-1.6645	-1.623	-1.6361876	-2.0534596	-1.7396	
9406	ZRANB2					1.663231	1.536936	1.5191194	1.8291246	1.6371	
7572	ZNF24	1.678925		1.628436	1.532098		1.633359		1.9449699	1.68356	
9988	DMTF1		1.53978				1.776094	1.6766312	1.6329114	1.65636	

9328	GTF3C5	1.679017	1.60687			1.660151		1.7211672	1.8358381	1.70061	
79618	HMBOX1	1.601761			1.947222	1.518824			1.5115076	1.64483	
4904	YBX1				1.737277		1.6348	1.7351481	1.5996786	1.67673	
7528	YY1	1.714427			1.972293	1.799255	1.557003		1.6314371	1.73488	
25909	AHCTF1	1.797192			1.696136		1.608968	1.9484141	2.0387692	1.8179	
8028	MLLT10	1.52597	1.5454		2.016061	1.832841	1.692432	1.9944943	2.558241	1.88078	
64210	MMS19				1.818134	1.586608		1.9456038	1.7716472	1.7805	
6882	TAF11	1.5251		1.697318	1.721201	2.141022	1.894564	1.8996074	2.3606348	1.89135	
23528	ZNF281			2.055588	1.628233	1.887083	1.790335			1.84031	
9330	GTF3C3		1.75729			2.096135	1.836689	1.6733837	1.5099583	1.77469	
6908	TBP				1.666344	1.885847		2.0184362	2.0832198	1.91346	
1876	E2F6	1.736462	1.53749			2.419904	1.863533	1.7352817	1.705449	1.83302	
10363	HMG20A				1.725277	2.245048	1.613488		1.5816526	1.79137	
647033	PA2G4	1.590171	1.98118		1.72057	1.927985	2.102335		2.953708	2.04599	
25988	HINFP				1.791813	1.981189		1.8611729	1.8173562	1.86288	
1017	CDK2	1.52294	1.791		2.425737		1.833339		2.1882577	1.95225	
7756	ZNF207	1.750811	1.80734		2.227275	1.539565	1.933607	2.1054173	1.5442399	1.84404	
9519	TBPL1					1.906133	2.104889	1.6740388	1.650637	1.83392	
23269	MGA	1.643583	1.58642		2.099015		1.796141	2.4177234	1.6886835	1.87193	
9015	TAF1A	1.903965				1.803118	2.127113	1.8185779	1.8916321	1.90888	
389901	XRCC6		1.63272		2.006591	1.574178	1.944241	2.4258127	1.6280882	1.8686	
129685	TAF8			1.650362			1.788398	2.3338037	1.5899123	1.84062	
58487	CREBZF	1.757601		1.664298	2.580109	1.855511		1.9343101	1.6213789	1.9022	
29883	CNOT7	2.307169	1.64751			1.857261	1.803606	2.1812994	2.0282462	1.97085	
7764	ZNF217	2.007512	2.23624		1.740076		1.785004	2.0461438	1.5941176	1.90152	
9112	MTA1	1.509251			2.317683	2.157194			2.989224	2.24334	
5978	REST	1.580889			1.869793		2.68036		1.5987042	1.93244	
23435	TARDBP	1.979788	1.55653		1.82519	2.700292	1.933518	2.2787626	2.2370467	2.07302	
7690	ZNF131	2.724718				2.347113	1.609372	1.5400134	1.7793491	2.00011	
84838	ZNF496	1.526467		2.435468		2.211018			2.4353404	2.15207	
2968	GTF2H4		1.63764		2.244359		2.297992		2.3609936	2.13525	

100130561	HMGB1	1.855606	2.10536		1.523913	1.767891	2.960207	2.2050145	2.4167454	2.11925	
6932	TCF7	1.759165	1.81092		3.240196		1.860872	1.7051252		2.07525	
2553	GABPB1					1.921964	2.369514	1.9411418	2.4322386	2.16621	
1871	E2F3	1.94357	2.0239		1.858218	2.699559	2.304532	1.7018801	2.7572646	2.18413	
10782	ZNF274	1.69332	2.08319		2.903887	2.005866	1.862146	2.1356091		2.114	
3516	RBPJ	1.723906			1.939357	2.219734	1.886368	2.8966548	2.2759337	2.15699	
84124	ZNF394				2.633436	1.542287		2.2342904	1.5421104	1.98803	
79364	ZXDC	3.284343	1.74183		1.926629	1.741104			2.122813	2.16334	
253782	LASS6	2.447652	1.84489		2.86924	1.689433	1.921402	2.4731264	1.6466173	2.12748	
867	CBL	1.936391	2.06483			2.529446	2.319453		1.5182816	2.07368	
4802	NFYC			2.522493	2.569303		1.554535		1.5143975	2.04018	
8463	TEAD2	2.034455	1.52177			3.234592	2.090361		3.1689467	2.41003	
2063	NR2F6	1.958035	1.86494	2.473382	2.84991	2.564031	1.624688		2.2700975	2.2293	
7181	NR2C1	1.693322	1.54847			1.845457	3.892392		1.527514	2.10143	
80155	NAA15	1.905042	1.76798		1.553458	2.311994	3.320598	2.6476305	2.764766	2.3245	
7024	TFCP2	2.463538		4.04468	1.727445	2.071546	1.778958	1.5742176	2.3351274	2.28507	
65056	GPBP1	1.973735	1.66073			2.717477	2.356637	2.7207804	1.9625672	2.23199	
80317	ZKSCAN3				1.611733	2.157601	1.528582	3.923761	2.1003957	2.26441	
146050	ZSCAN29	1.728137				1.841095		3.3855731	1.7290498	2.17096	
9079	LDB2	1.941341		3.195888				1.8258665	1.7105206	2.1684	
7589	ZSCAN21	1.787333	1.59064	2.644589		2.736199	2.179031	3.0122287	2.4245245	2.33922	
2975	GTF3C1	1.772716		2.322937	3.702498		1.515084			2.32831	
27097	TAF5L	2.034361		1.64467	1.805972	2.403516	3.757195			2.32914	
100133760	KDM5B	1.764399		2.244811	3.550753	2.786154	1.824022	1.8454859	2.24936	2.32357	
5089	PBX2	1.924254	1.8859	2.526248	3.392219	2.71195	2.207903	1.7215619	2.8551216	2.40314	
4851	NOTCH1	3.104813	1.5414	2.692468	2.624261	2.165434	1.95659		1.962298	2.29247	
5991	RFX3	2.374963	1.60089				1.77657	3.6664588	2.215095	2.3268	
4800	NFYA	2.00831			3.016614		1.720475	2.6961	3.7580533	2.63991	
8464	SUPT3H	1.847868	2.62575			2.119535	2.853694		3.0020778	2.48978	
1499	CTNNB1	2.506428	1.83341	2.384324	2.507214	1.73364	3.813023			2.46301	
100093631	GTF2I	1.742647			3.454042		2.199928		3.3108814	2.67687	

4299	AFF1	2.454313	1.61467	3.961485	3.163434	2.453397	1.872699	1.7601349	1.7022233	2.37279	
79612	NAA16	1.704511			2.321283	3.262665	1.567376	3.4943252	2.0173936	2.39459	
7004	TEAD4	1.703694	2.17199		2.053084	2.929119	1.970099	4.1248784	3.7416759	2.67065	
745	C11orf9		3.46024			1.848408	2.212139		1.7155895	2.3091	
54815	GATAD2A	1.643031	1.98185		5.138427	1.530027	2.241396		1.7512492	2.381	
11243	PMF1	1.685756	2.46496		3.829273		2.363138	2.3202727	2.5075395	2.52849	
8880	FUBP1	1.655165	1.80096		2.696675	2.898463	2.858669	3.3676848	2.5691361	2.54954	
731751	PRKDC	1.682515	2.02625		4.066702		2.961387	2.0190346	1.507182	2.37718	
6934	TCF7L2	1.601031		4.098093	2.562953	1.94274			2.2664385	2.49425	
51222	ZNF219	1.994655		2.633769		2.485507		3.0978034	2.0291882	2.44818	
65982	ZSCAN18	2.028052			3.352704	3.173743		1.6752383	1.9117206	2.42829	
10664	CTCF	1.736696			4.072915	2.41957	2.639486	2.1176333	2.0952528	2.51359	
6304	SATB1	2.233781			3.358896	2.901849		1.8948647	2.5555332	2.58898	
5993	RFX5	1.537074			3.918511	2.238508		2.7021914	1.6222923	2.40372	
10732	TCFL5	2.548163				2.161054		3.1289756	2.3984241	2.55915	
6874	TAF4	1.989481		1.953554	4.858517	2.882748	2.011791	2.076184	2.6954591	2.63825	
7551	ZNF3	1.519031			3.975434	2.934411	2.091096	2.7402356	2.6910722	2.65855	
1523	CUX1	1.70618			4.755536	1.641776			3.9931946	3.02417	
473	RERE	2.316683		2.51003	4.359415	1.687645			1.5539123	2.48554	
4297	MLL	1.550304		2.370752	4.337623	2.142852	3.243312		2.1706138	2.63591	
152518	NFXL1	2.094821				4.202493	1.945368		2.1129177	2.5889	
80324	PUS1	2.083067			4.074275	2.886626	2.401944	2.404784	2.5458803	2.73276	
152845	PLAGL2	1.658177			4.157172	3.034199	2.358894	2.71622	1.6670885	2.59863	
10155	TRIM28	2.842074	2.41935	3.408654	3.530172	2.322398	2.044514	2.9551768	2.8277345	2.79376	
1050	CEBPA					1.748227	1.739174	4.8858547	1.5832379	2.48912	
84844	PHF5A	1.913278					2.976076	3.6135352	2.7830575	2.82149	
10849	CD3EAP	2.428311	2.66833			3.830909	3.207819	2.0478292	4.4855804	3.11146	
23394	ADNP	3.147345			4.276178	1.900692	2.556182	2.371266	1.5119483	2.62727	
2976	GTF3C2	1.728579	1.63816		6.209913	2.333903	2.316181	2.9255376	1.5382987	2.67008	
3066	HDAC2	2.720177	2.96313	1.913003	2.394114	3.316048	3.25612	3.5380154	2.4662402	2.82086	
5453	POU3F1	2.051318					1.550995	5.0259256	1.5705277	2.54969	

5936	RBM14	2.235805			1.922716	2.390804	3.956857	3.930048	6.6654925	3.51695	
4089	SMAD4	2.858454		3.502537		2.314299			1.536473	2.55294	
7753	ZNF202	3.152897	1.7609		3.153557	3.827352	2.358778	3.197691	3.9766848	3.06112	
84307	ZNF397	4.956956	2.50534	2.675103		3.643534	2.026495	1.6642478	4.3050485	3.11096	
6660	SOX5		3.4059			2.33308	3.010105		1.585819	2.58373	
11143	MYST2	2.752083	2.30374	2.86928	4.303782	2.702597	2.847802		3.0634577	2.97753	
9329	GTF3C4				2.730195		2.331455	3.9609895	2.286649	2.82732	
9480	ONECUT2					2.587296	1.651789	4.81527	1.785411	2.70994	
2966	GTF2H2	3.453824	2.96225			4.334693	2.719194	1.9745476	5.383723	3.47137	
10625	IVNS1ABP	4.273119	3.72594	3.769537	1.596551	3.473808	1.558604	3.228785	2.9526646	3.07238	
6929	TCF3	2.073136	1.86535	3.488175	6.50266	2.444708	2.109783	3.1570458	3.9505775	3.19893	
2494	NR5A2					4.976238	2.726634	1.6859277	4.157035	3.38646	
55729	ATF7IP	3.902648	1.57838		4.057994	3.670057	2.60671		1.5236324	2.8899	
3182	HNRNPAB	2.886247	1.95705		6.59424	2.323839	2.31464	3.0802536	2.905353	3.15166	
9580	SOX13	3.32804	2.60102	5.778551	1.598296	3.450475	2.862377	2.953469	3.7497046	3.29024	
94104	GCFC1	3.235553	1.84323	3.468417	2.667159	2.403135	1.892203	7.164621	2.2330866	3.11343	
7581	ZNF33A	3.817008		3.713093		2.519966			1.6428713	2.92323	
7644	ZNF91	4.466748	2.10026	3.252917		3.216202	2.979234	4.28805	2.858364	3.30883	
6877	TAF5	2.046552	2.45665		5.680629	4.958046	2.78788	2.464935	4.7050824	3.58568	
7762	ZNF215	1.590288				2.517381	2.124162	7.43855	1.9748595	3.12905	
283248	RCOR2	2.898869	2.10455	4.577738		1.846504	1.846211	7.2743783	1.9577303	3.21514	
8089	YEATS4	3.112768	2.85609		1.662532	2.797701	8.253815	2.0839531	3.6802752	3.49245	
23028	KDM1A	2.52023	2.41703	2.811703	6.476866			3.1337686		3.47192	
55809	TRERF1	1.711777					1.916393	7.027885	2.319343	3.24385	
1112	FOXN3	2.418451			4.734241	3.582157			2.9901588	3.43125	
7693	ZNF134	2.081736			2.364972	2.844286	3.893101	6.8223867	2.9938178	3.50005	
9221	NOLC1	1.801336	2.14242		5.045695	3.721466	4.805553	4.370911	4.5110755	3.77121	
467	ATF3	3.916199			3.082071	4.288434	3.330773		2.393111	3.40212	
22850	ADNP2	2.156168	2.49925	4.366218	7.723711	3.338622	2.979636	2.8271897	3.5043523	3.67439	
7029	TFDP2	2.449408	2.55389	2.497006	3.31794	5.82734	6.647128	2.8593745	5.661699	3.97672	
64288	ZNF323					7.044761	2.337416	2.0203505	6.4218516	4.45609	

6671	SP4	4.177993	3.01264	4.327085		6.006455	1.664036		5.674997	4.14387	
51351	ZNF117	2.546703	1.9483			3.513982	1.830175	9.647023	2.0432098	3.58823	
25819	CCRN4L		2.46939				7.213692	2.0870833	2.6923952	3.61564	
7050	TGIF1	8.337947			2.925974	2.330671		2.259102	2.3323429	3.63721	
7019	TFAM	3.028423			2.839047	3.483254	5.122387	5.370438	5.567981	4.23526	
10172	ZNF256	2.670684	1.94228			4.489432	4.665496	6.1584086	3.3536105	3.87999	
3148	HMGB2	2.496472	5.93293	2.02614	3.112216	2.327204	5.855754	6.2703032	2.2703433	3.78642	
1820	ARID3A	2.851335	3.20711		8.054309	3.376409	2.45145	4.705466	2.4286878	3.86782	
1869	E2F1					1.689723	1.661603	8.992992	1.8681464	3.55312	
2305	FOXM1	1.637516	3.85743		6.418959	1.61014	5.453943	5.86462	2.2735069	3.87373	
55502	HES6	5.854669	2.48757	6.664465		4.000103	2.67993	3.3135536	2.817085	3.97391	
6665	SOX15	2.183559	3.6969			3.208503	6.413031	6.0946546	7.7604074	4.89284	
54993	ZSCAN2	2.687159	2.23136			6.871088		5.6825852	1.9816369	3.89077	
148327	CREB3L4	2.903903		5.37959		3.248098	2.273057	8.087128	2.7594874	4.10854	
85446	ZFHX2	3.068659				2.304729		8.084194	2.119999	3.8944	
80345	ZSCAN16	2.367685				4.689318	2.558355	8.380035	3.3032377	4.25973	
60436	TGIF2	2.34057		4.169015	7.606195	6.380187	2.415098	5.0195045	3.4980214	4.4898	
57504	MTA3	2.966597	2.54798	7.355457		5.170119	4.531482	5.3937273	3.4915667	4.49385	
7639	ZNF85	6.785296	3.74771		2.270408	4.46716	2.85628	8.042844	3.5176215	4.52676	
4775	NFATC3	8.039955	2.14721	8.456861	3.012583	1.507631	5.397082		1.672148	4.31907	
7775	ZNF232	4.073062	2.59532	4.549367	4.561123	3.740317	3.82315	10.127982	3.524776	4.62439	
100130009	HMGA1	3.504686	6.51054		6.271398	3.757347	3.736608	4.918384	3.4663446	4.59504	
6875	TAF4B	7.972647	2.13602	4.593507		5.679117	3.685482		5.9211783	4.99799	
26468	LHX6					2.146089	1.53902	10.822069	1.9599769	4.11679	
168374	ZNF92	5.058147	2.14313			6.982195	1.527916	8.770516	2.270715	4.45877	
65243	ZNF643	3.002197	2.97872			5.159428	6.878219	7.852244	4.3281665	5.03316	
2104	ESRRG		8.42389			4.774484	2.643142		3.241203	4.77068	
64344	HIF3A	7.453849	1.9506	8.622177				3.2736375	1.7153176	4.60312	
83439	TCF7L1	5.074906	4.45345	7.234374	9.093843	4.65261	2.347769	6.627462	5.6883864	5.6466	
2115	ETV1	6.584737		1.543897	5.380627	3.082199	4.316043	13.008259	4.4446096	5.48005	
64919	BCL11B	10.35475	2.78241	2.812193		6.619858	3.989667	7.469632	6.742897	5.82449	

142	PARP1	2.707877	2.75855	4.143456	10.7306	4.175798	4.852809	10.397339	3.1249118	5.36142	
5451	POU2F1	5.40788	3.4488	10.69267	6.215702	6.758059	3.913889	5.1543326	5.9846697	5.947	
144455	E2F7	4.754001	2.7553			3.222029	15.58336	3.5090535	3.512329	5.55601	
5087	PBX1			21.47982	3.198523	1.634993	1.827483	2.283987		6.08496	
4605	MYBL2	2.729337	6.40691		5.258605	4.548378	8.273001	9.943006	5.7181416	6.12534	
3280	HES1	10.33505	7.44183	9.475122	3.071253	3.764686	3.415965		2.6882257	5.74173	
114821	SCAND3		5.07514	5.727558		6.665107	3.665947	12.581413	2.6217067	6.05615	
3664	IRF6	2.655518	6.39649			7.260139	3.748624	15.56553	10.330271	7.65943	
23493	HEY2	5.139116	4.73931	3.814473		10.09198	9.9434	9.572898	11.40426	7.81506	
7643	ZNF90					5.011489	2.283776	14.546937	8.796727	7.65973	
60468	BACH2		6.05076	3.725038		13.55514	6.030055		8.014559	7.47511	
7022	TFAP2C			4.848163	2.299209		2.0522	20.29176	2.22488	6.34324	
4610	MYCL1	7.193882	4.67776	6.363569	2.663816	12.42273	7.44286	14.985033	15.256717	8.8758	
9232	PTTG1	3.283591	5.7128		3.194182		10.20985	17.553514	2.917087	7.14517	
23316	CUX2	7.166614	2.26229	7.854476		15.40345	8.240273	7.9219513	9.556424	8.34364	
1999	ELF3		1.95538			2.293495	2.581194	26.41338	1.7619736	7.00109	
8091	HMGA2	3.804124	4.51237		13.08538	4.891697	6.576829	17.947838		8.46971	
3728	JUP	3.458759	6.91095	31.4577	7.22905	6.447757	1.542899	3.2511954	3.4011896	7.96244	
81931	ZNF93	8.219015	2.64886	8.523803	5.677484	6.050642	6.731773	22.733393	4.977915	8.19536	
3171	FOXA3	3.03419	12.1069	9.190545		9.464572	7.560971	13.042517	8.5057955	8.98651	
8928	FOXH1	7.385129	3.47904	4.700402		25.15695	11.43912	3.8294349	13.045955	9.86229	
2649	NR6A1	5.603805	1.95875	22.02718		1.699495	2.21676	26.510296	2.520618	8.93384	
29842	TFCP2L1		2.43517			6.547774		21.544018	2.989724	8.37917	
30812	SOX8	9.592832	2.16558	4.63958		11.13565	9.117293	26.018934	11.505163	10.5964	
7697	ZNF138	11.47124	5.64147			10.9653	10.96348	13.604344	8.322747	10.1614	
6659	SOX4	12.76609	1.8384	10.14171	25.6497	21.2429	1.733506	2.6827672	20.673393	12.0911	
2308	FOXO1	6.423273	6.29385	31.65521	13.03745	13.75041	2.3545	2.933073	13.185388	11.2041	
7718	ZNF165	9.400335	9.42642	10.68265		15.95025	3.992174	17.652393	14.394212	11.6426	
1875	E2F5	7.500474	6.7562		13.46458	16.96683	8.781844	15.187518	16.21888	12.1252	
2625	GATA3	21.23144	10.215				8.837029		2.4675763	10.6878	
79977	GRHL2	4.717764		8.908872	2.816174	6.385582	2.083869	57.223972	5.2901244	12.4895	

6299	SALL1	3.92068		5.26922	11.74902	7.000633	4.744049	53.545784	2.8315017	12.723	
79733	E2F8	5.036222	5.83712			5.053248	21.98162	34.65232	4.3898234	12.8251	
27022	FOXD3	13.2091		11.79838		20.41357	15.27535		2.556081	12.6505	
6297	SALL2	8.442291	4.11402	11.94418	30.44547	22.07304	8.090146	40.121548	13.164839	17.2994	
27287	VENTX	1.77448		1.839922		1.975408	2.545433	83.83236	1.804079	15.6286	
2118	ETV4	3.834607	4.62086			11.48345	4.585132	70.05659	15.466456	18.3412	
64321	SOX17	20.24138	61.827				5.817455	3.7004197		22.8966	
84891	ZSCAN10	9.835123	10.0581	36.55229		50.13647	16.30899		61.11338	30.6674	
8820	HESX1					7.112671	13.67149	54.058342	8.020541	20.7158	
132625	ZFP42		16.2138	7.842004		34.60374	31.96955	52.25149	89.74941	38.7717	
5462	POU5F1B	67.93627	24.3221	35.62822	49.5877	45.58469	23.52502		39.756252	40.9057	
6664	SOX11	9.710566	11.9181		25.52785	10.54808	13.25199	215.08627	2.608811	41.236	
5015	OTX2	14.3353	88.0427	18.17408		33.12787	134.0757	3.4330535	22.95407	44.8775	
5460	POU5F1	71.74692	40.2317	40.28767	48.7525	71.636	43.34434	359.10056	90.782036	95.7352	
7547	ZIC3	32.03247	58.359	83.11201	28.12456	78.26212	66.57843	607.0495	55.42241	126.118	
9603	NFE2L3	26.80245	6.23969			51.08933	7.024642	665.30695	11.890828	128.059	
4613	MYCN	103.526	2.01622	113.9013	50.66892	3.431571	2.955856	994.13196	4.473977	159.388	
7546	ZIC2	455.0844	260.405	330.6396		147.4582	309.4553		288.79855	298.64	
79923	NANOG	114.251	71.1903	153.2334	76.08793	268.3284	130.5458	3077.521	239.27216	516.304	
6657	SOX2	23.95504	9.97088	95.22282	46.73131	47.00792	55.1979	4784.5825	55.10322	639.721	
Consensus Differentially Expressed Cell Death Genes in Human ESCs Compared to iPSCs (expressed as fold change*)											
Entrez ID	Gene Name	Chin	Lowry	Munoz	Bock	Ebert	Maherali	Sun	Yu	Average	
847	CAT	-1.90029	-10.4962					-17.608433	-6.7932568	-9.1995	
28986	MAGEH1	-16.8285	-3.60428	-11.9002				-5.5078077	-2.343972	-8.0369	
10395	DLC1	-9.86851	-12.8522				-1.65611		-1.6574907	-6.5086	
5272	SERPINB9	-1.85375	-7.12065			-11.9002		-4.455018		-6.3324	
7474	WNT5A	-13.1683	-5.14193				-2.83328		-2.3452091	-5.8722	
2487	FRZB	-2.3298	-12.4998				-3.17104		-1.8193903	-4.955	
2152	F3	-2.78666	-8.38925				-1.92084	-2.5885737		-3.9213	

3399	ID3	-7.17095	-1.99053				-2.18103		-1.8107591	-3.2883
55504	TNFRSF19	-5.72674	-2.07281	-3.02276			-1.99714			-3.2049
8837	CFLAR	-2.877	-3.42693					-1.7234566	-1.6035912	-2.4077
4254	KITLG	-3.0851	-2.72784				-1.88836		-1.7150886	-2.3541
23705	CADM1	-1.90626				-3.02276	-1.88284		-2.3208818	-2.2832
648	BMI1	-2.48879	-1.84738				-2.01837		-1.717831	-2.0181
55632	G2E3	-1.75262					-1.56207	-2.9168713	-1.7008432	-1.9831
6687	SPG7	1.610995	0.59338					1.5694706	2.086209	1.46501
2064	ERBB2	1.975444	1.64976		1.529814			2.133588		1.82215
4297	MLL	1.878338	1.51179					4.9781475	1.958784	2.58176
1804	DPP6	15.41874				2.491661		2.1962483	1.775895	5.47063

Consensus Differentially Expressed Transcription Factor Genes in Human ESCs Compared to iPSCs (expressed as fold change*)

Entrez ID	Gene Name	Chin	Lowry	Munoz	Bock	Ebert	Maherali	Sun	Yu	Average
2625	GATA3	-21.9366	-9.71133				-2.47358	-1.7725211	-2.2963824	-7.6381
639	PRDM1	-9.06805	-13.0763				-2.52981		-1.925696	-6.65
7474	WNT5A	-13.1683	-5.14193				-2.83328		-2.3452091	-5.8722
2297	FOXD1	-1.58012	-4.15071			-4.51288			-5.241147	-3.8712
25937	WWTR1	-1.7314					-1.73719	-5.7614284	-1.6001858	-2.7076
466	ATF1	-1.72579					-1.85005	-2.2668188	-1.8128974	-1.9139
9015	TAF1A	-1.55117				-1.62064			-1.9998361	-1.7239
4297	MLL	1.878338	3.60347					4.9781475	1.958784	3.10468
4094	MAF	2.598915	2.39681	7.253058		5.530687			1.9532845	3.94655
153572	IRX2	8.635912		9.790534		1.70988		3.033593	13.878707	7.40973

***Fold change represents a minimum of 1.5 difference in expression**

Dataset references represent publication references in main text