

Supplemental Table S1 - Myc-CaP + Twist1 versus Myc-CaP + Vector Differentially Expressed Genes

ID	Symbol	logFC	AveExpr	t	P.Value	adj.P.Val	B
10419170	Txndc16	0.927212	5.736872	11.60019	6.62E-08	0.001372	7.996054
10523120	Cxcl5	-1.30418	7.763407	-9.74086	4.51E-07	0.003123	6.466423
10463997	Pdcd4	2.381338	8.015823	9.572601	5.45E-07	0.003123	6.310368
10547177	Rassf4	1.518751	8.318865	9.482747	6.03E-07	0.003123	6.225716
10462618	Ifit3	5.019297	7.606699	9.011585	1.04E-06	0.003664	5.766366
10470775	Cercam	0.744519	7.205276	8.734467	1.45E-06	0.003664	5.48361
10593634	Elmod1	-0.97147	5.873739	-8.67297	1.56E-06	0.003664	5.419552
10522090	Wdr19	1.020558	6.304178	8.548147	1.81E-06	0.003664	5.288046
10565401	Folh1	1.441093	9.057798	8.532552	1.85E-06	0.003664	5.271475
10573713	Heatr3	-0.61219	9.036083	-8.51538	1.89E-06	0.003664	5.253194
10492699	Ctso	0.992312	5.489333	8.491438	1.95E-06	0.003664	5.227635
10538187	Gpnmb	0.938147	11.02149	7.99796	3.62E-06	0.005352	4.683886
10519951	Pion	1.195623	6.331396	7.961675	3.79E-06	0.005352	4.642596
10381603	Fzd2	0.55465	8.152539	7.960483	3.80E-06	0.005352	4.641237
10559312	Dhcr7	-0.63525	7.829449	-7.9456	3.87E-06	0.005352	4.624246
10496971	Asb17	-0.88363	6.024224	-7.86352	4.31E-06	0.005581	4.529984
10462237	Smarca2	0.897893	9.433806	7.608425	6.03E-06	0.007227	4.230941
10584435	Vwa5a	1.181161	7.246214	7.5783	6.28E-06	0.007227	4.19501
10449284	Dusp1	1.546321	9.899859	7.319325	8.91E-06	0.009168	3.880649
10493798	S100a16	-0.72174	9.409838	-7.29729	9.18E-06	0.009168	3.853438
10391013	Krt13	-0.82538	6.662291	-7.25231	9.77E-06	0.009168	3.79769
10595189	Slc17a5	1.056057	8.423601	7.230569	1.01E-05	0.009168	3.770626
10434252	Hira	-0.53353	8.732466	-7.20863	1.04E-05	0.009168	3.743254
10447294	Prkce	0.668296	7.760684	7.191613	1.06E-05	0.009168	3.721962
10533345	Aldh2	1.472011	7.612811	7.093375	1.22E-05	0.009966	3.598228
10389581	Ypel2	0.877148	5.439696	7.067073	1.26E-05	0.009966	3.564851
10479726	Pcmt2	0.954784	7.215381	7.034104	1.32E-05	0.009966	3.522866
10494445	Lix1l	1.212286	8.882267	7.002701	1.38E-05	0.009966	3.482719
10386455	Rasd1	0.585313	7.317951	6.960723	1.47E-05	0.009966	3.428817
10393573	Lgals3bp	3.160041	8.433742	6.931666	1.53E-05	0.009966	3.391348
10433057	Calcoco1	1.682144	8.305415	6.930705	1.53E-05	0.009966	3.390108
10560644	Pvrl2	0.799197	7.778824	6.92654	1.54E-05	0.009966	3.384725

10503259	Trp53inp1	2.177486	6.576836	6.794706	1.86E-05	0.011662	3.212981
10538901	BC005685	1.216839	9.281593	6.748378	1.99E-05	0.012098	3.151987
10544148	Jhdm1d	2.196981	7.002332	6.708784	2.10E-05	0.012443	3.099592
10424349	Sqle	-0.88142	9.034463	-6.64542	2.30E-05	0.013262	3.015234
10426544	Slc48a1	0.463879	9.866717	6.618925	2.39E-05	0.013411	2.979772
10404069	Hist1h1a	-1.07373	9.969791	-6.59967	2.46E-05	0.01343	2.953928
10585214	Cryab	0.7977	8.856617	6.556202	2.62E-05	0.013638	2.895379
10386789	Ulk2	0.887516	7.368535	6.554067	2.63E-05	0.013638	2.892495
10359929	Ddr2	0.558909	5.822774	6.44915	3.07E-05	0.01412	2.749905
10445826	Mocs1	0.810035	7.28477	6.428126	3.17E-05	0.01412	2.721121
10436428	Mina	-0.68053	9.043541	-6.42349	3.19E-05	0.01412	2.714765
10384968	Bod1	-0.61047	7.358182	-6.38306	3.39E-05	0.01412	2.65918
10439701	Abhd10	-0.46629	7.861319	-6.38248	3.39E-05	0.01412	2.658384
10390574	Fbxl20	1.66009	7.391536	6.368404	3.46E-05	0.01412	2.638971
10376726	Dhrs7b	-0.69547	9.836345	-6.36205	3.50E-05	0.01412	2.630196
10454478	Polr2d	-0.88951	8.711011	-6.33106	3.66E-05	0.01412	2.58731
10391025	Krt15	-1.73395	7.181155	-6.32472	3.70E-05	0.01412	2.578516
10486057	Rab5b	0.528948	8.910121	6.321473	3.72E-05	0.01412	2.574016
10462621	I830012O1	3.234309	4.631556	6.319924	3.72E-05	0.01412	2.571867
10526181	Gatsl2	1.350823	7.366699	6.313783	3.76E-05	0.01412	2.563339
10557470	Gdpd3	1.530274	8.07841	6.307529	3.79E-05	0.01412	2.554648
10489891	B4galt5	0.518223	8.984191	6.291291	3.89E-05	0.01412	2.532057
10430871	Tdg	-0.91181	9.791152	-6.29043	3.89E-05	0.01412	2.530864
10507500	Slc6a9	0.98301	9.608145	6.277501	3.97E-05	0.01412	2.512836
10564909	Man2a2	0.65833	7.832295	6.260365	4.07E-05	0.01412	2.48891
10386230	Rnf187	-0.43586	10.58356	-6.25024	4.14E-05	0.01412	2.474755
10524052	Fgfr1	0.614741	7.000315	6.220516	4.33E-05	0.01412	2.433089
10563891	Nck2	0.531256	9.136945	6.210696	4.39E-05	0.01412	2.419294
10520612	Khk	0.644688	7.257998	6.209088	4.40E-05	0.01412	2.417033
10516037	Gm12888	2.58114	4.065057	6.182988	4.58E-05	0.01412	2.380285
10397975	Ifi2711	1.047096	8.43301	6.176604	4.62E-05	0.01412	2.37128
10569152	Pddc1	0.840834	8.630228	6.174481	4.64E-05	0.01412	2.368284
10419676	Rab2b	0.807734	6.866793	6.162872	4.72E-05	0.01412	2.351888
10524941	Fbxo21	0.42546	9.232486	6.153839	4.79E-05	0.01412	2.339115

10415021 Abhd4	0.856669	9.013746	6.152663	4.79E-05	0.01412	2.33745
10534862 Pcolce	0.554626	11.84362	6.151276	4.80E-05	0.01412	2.335488
10402063 Foxn3	0.97176	7.607562	6.150538	4.81E-05	0.01412	2.334444
10421557 Itm2b	1.281866	8.948146	6.148583	4.82E-05	0.01412	2.331676
10488387 Napb	0.459389	5.832284	6.146637	4.84E-05	0.01412	2.328921
10469828 Psd4	-0.54305	7.70501	-6.11454	5.08E-05	0.014622	2.283394
10461459 Syt7	0.640077	7.274299	6.08893	5.28E-05	0.014997	2.246944
10423155 Mtmr12	0.523224	8.422059	6.072545	5.42E-05	0.015138	2.223569
10364784 Reep6	0.860946	11.18762	6.065156	5.48E-05	0.015138	2.213014
10538087 Lrrc61	0.652564	6.622144	6.056046	5.56E-05	0.015149	2.199989
10405693 Dapk1	0.76001	8.978267	6.000658	6.05E-05	0.015778	2.120506
10541071 8430408Gz	1.786253	6.89553	6.00049	6.05E-05	0.015778	2.120264
10583242 Sesn3	0.885762	7.248916	5.996445	6.09E-05	0.015778	2.11444
10578916 Sc4mol	-0.93028	9.316025	-5.98536	6.20E-05	0.015778	2.098459
10408850 Nedd9	1.116564	6.735369	5.980265	6.24E-05	0.015778	2.091116
10487748 4930402H2	0.789294	6.981005	5.976949	6.28E-05	0.015778	2.086331
10392449 Wipi1	0.800253	8.551613	5.969778	6.35E-05	0.015778	2.075977
10380566 Phospho1	-0.74328	6.370164	-5.96464	6.40E-05	0.015778	2.068553
10503431 Nbn	-0.60498	7.955355	-5.9419	6.63E-05	0.016151	2.035637
10559764 Zfp787	0.472479	6.991848	5.909384	6.97E-05	0.016464	1.988442
10542156 Clec2d	0.798589	3.943138	5.9035	7.03E-05	0.016464	1.979882
10357535 Pfkfb2	-0.48229	9.408706	-5.87316	7.37E-05	0.016464	1.935658
10401365 Zfyve1	1.061179	7.767568	5.871167	7.40E-05	0.016464	1.932747
10507557 Ebna1bp2	-0.68955	8.533798	-5.85878	7.54E-05	0.016464	1.914648
10540028 Klf15	1.146079	8.171021	5.850587	7.64E-05	0.016464	1.902656
10596900 Tcta	0.581772	6.743834	5.849789	7.65E-05	0.016464	1.901488
10494023 Rorc	1.789885	7.537676	5.846094	7.69E-05	0.016464	1.896078
10598389 Wdr45	0.647495	8.006651	5.838778	7.78E-05	0.016464	1.885358
10411464 Fcho2	0.390008	8.955793	5.837592	7.79E-05	0.016464	1.88362
10578027 Mak16	-0.59231	9.481071	-5.82948	7.89E-05	0.016464	1.871728
10461408 Rab3il1	1.851673	7.157253	5.826706	7.93E-05	0.016464	1.867654
10391870 Map3k14	0.753874	6.902591	5.824243	7.96E-05	0.016464	1.864037
10423333 Fam134b	0.557259	8.799241	5.821061	8.00E-05	0.016464	1.859366
10551469 Dyrk1b	1.577625	7.826969	5.819015	8.02E-05	0.016464	1.856361

10372668 Mdm2	0.606463	8.132444	5.818934	8.03E-05	0.016464	1.856242
10460400 Pcx	1.026843	6.692205	5.794157	8.34E-05	0.016948	1.819796
10432907 Krt78	-0.68959	6.468908	-5.77835	8.55E-05	0.017056	1.796501
10456522 Tcf4	0.562388	9.903397	5.777782	8.56E-05	0.017056	1.795656
10472440 Tax1bp3	0.465265	10.48068	5.765793	8.72E-05	0.017215	1.777954
10587042 Rsl24d1	-0.52159	9.486189	-5.75836	8.83E-05	0.017253	1.766965
10424833 Maf1	0.522968	8.019693	5.750514	8.94E-05	0.017305	1.75536
10468131 9130011E1	0.408262	7.608264	5.72504	9.30E-05	0.017749	1.717607
10433494 Nubp1	-0.6135	9.291739	-5.71815	9.40E-05	0.017749	1.707374
10359870 Pbx1	0.520928	8.667728	5.711281	9.51E-05	0.017749	1.697171
10354521 Inpp1	0.474899	5.567156	5.704653	9.61E-05	0.017749	1.687317
10509568 Camk2n1	1.046659	7.28777	5.703117	9.63E-05	0.017749	1.685032
10467139 Lipa	0.747907	8.252231	5.698168	9.71E-05	0.017749	1.677667
10374998 Gpr75	2.01859	7.447908	5.691068	9.82E-05	0.017749	1.667095
10588283 Rab6b	0.670962	7.709976	5.679126	0.0001	0.017749	1.649295
10587799 Plscr2	1.034345	7.354804	5.666525	0.000102	0.017749	1.630487
10439392 Gtf2e1	-0.42173	7.61418	-5.66365	0.000103	0.017749	1.626186
10430489 Pla2g6	0.894311	7.401619	5.65683	0.000104	0.017749	1.616
10434302 Klh124	2.066378	7.04899	5.652707	0.000104	0.017749	1.609834
10504349 Creb3	0.668544	8.377633	5.650633	0.000105	0.017749	1.606732
10373223 Lrp1	1.035577	7.2921	5.643266	0.000106	0.017749	1.595705
10371907 Nedd1	-0.50635	7.954624	-5.64132	0.000106	0.017749	1.592786
10393098 Wbp2	0.484224	9.629968	5.640125	0.000106	0.017749	1.591002
10587446 Myo6	0.64954	6.519557	5.638764	0.000107	0.017749	1.588963
10584803 lft46	0.428486	9.688272	5.636389	0.000107	0.017749	1.585405
10389719 Scep1	0.398295	9.922596	5.622196	0.00011	0.017869	1.564121
10404059 Hist1h1c	1.547068	8.393079	5.616864	0.00011	0.017869	1.556117
10344707 Pcmt1	0.735888	6.950954	5.616093	0.000111	0.017869	1.554961
10557481 Ypel3	1.373333	7.56796	5.61242	0.000111	0.017869	1.549444
10528484 Srp2	0.498697	7.813135	5.606106	0.000112	0.017903	1.539954
10494114 Selenbp1	1.775759	7.677286	5.601581	0.000113	0.017903	1.533151
10426507 Arid2	0.423274	9.674968	5.577443	0.000118	0.018467	1.496799
10512739 Xpa	0.519908	7.487136	5.571767	0.000119	0.018495	1.488238
10381588 Grn	0.889778	11.94249	5.56164	0.000121	0.018657	1.472951

10461663 Mrpl16	-0.43443	9.392945	-5.5566	0.000122	0.018663	1.465342
10500434 Bcl9	0.397202	9.033463	5.549402	0.000123	0.018663	1.454454
10468990 Parl	-0.61886	8.86868	-5.54305	0.000124	0.018663	1.44485
10378681 Inpp5k	0.923055	9.006724	5.538332	0.000125	0.018663	1.437701
10469849 Zmynd19	-0.74799	9.638584	-5.53152	0.000127	0.018663	1.427378
10584518 Olfr974	-0.34811	5.046637	-5.52191	0.000129	0.018663	1.41282
10407173 Il6st	0.89614	8.463514	5.521875	0.000129	0.018663	1.412761
10590445 Snrk	0.540687	7.940546	5.516988	0.00013	0.018663	1.405346
10518585 Kif1b	0.504209	7.977182	5.515796	0.00013	0.018663	1.403537
10450075 H2-K1	0.787639	9.409008	5.514015	0.00013	0.018663	1.400833
10582862 Arhgef12	1.034723	4.501798	5.512357	0.000131	0.018663	1.398317
10551852 Clip3	0.761095	7.885018	5.502723	0.000133	0.018825	1.383681
10503723 Mdn1	-0.5095	8.746329	-5.48348	0.000137	0.019258	1.354405
10479902 Dhdkd1	0.816918	6.590842	5.476632	0.000138	0.019258	1.343971
10373542 Dgka	1.67879	8.187639	5.476019	0.000138	0.019258	1.343036
10392183 Ern1	0.559017	9.656383	5.463173	0.000141	0.019531	1.323444
10564451 Mef2a	0.542788	9.834621	5.453948	0.000144	0.019544	1.309356
10393620 Cbx4	0.720764	9.091233	5.442693	0.000146	0.019544	1.292153
10604687 Mmgt1	-0.66799	9.151651	-5.44231	0.000146	0.019544	1.29157
10503508 Ggh	0.607282	7.282109	5.440831	0.000147	0.019544	1.289304
10449854 Akap8l	0.511954	7.536349	5.440658	0.000147	0.019544	1.289039
10367221 Apof	2.527352	7.349744	5.435848	0.000148	0.019544	1.281679
10539907 Tpra1	0.491197	9.041885	5.43458	0.000148	0.019544	1.279738
10474006 Phf21a	0.56658	8.606798	5.428144	0.00015	0.019624	1.269883
10532085 Tgfbr3	0.705498	8.973747	5.40503	0.000155	0.019937	1.234433
10390022 Rsad1	0.523524	7.526526	5.402169	0.000156	0.019937	1.23004
10590073 Vill	-0.59866	8.134629	-5.3975	0.000157	0.019937	1.222872
10449699 Wdr4	-0.46543	7.686877	-5.39505	0.000158	0.019937	1.219101
10424781 Grina	0.56052	10.84772	5.394041	0.000158	0.019937	1.217549
10399038 Zfp386	0.440103	8.390219	5.392091	0.000159	0.019937	1.214553
10365344 Tcp11l2	1.603674	6.035494	5.391484	0.000159	0.019937	1.213619
10412345 Parp8	0.519713	8.455002	5.38801	0.00016	0.019937	1.208277
10460787 Atg2a	0.655857	7.68157	5.376634	0.000163	0.020188	1.190767
10414433 6720456H2	0.582075	6.849434	5.372107	0.000164	0.020216	1.183793

10491962	Foxo1	0.699708	8.129224	5.36848	0.000165	0.020216	1.178205
10566846	Dennd5a	1.162941	9.871559	5.353575	0.000169	0.020447	1.155212
10589940	Osbpl10	-0.41993	7.585481	-5.34834	0.00017	0.020447	1.147136
10406598	Serinc5	1.454996	8.85133	5.346376	0.000171	0.020447	1.144096
10529375	Mxd4	1.393953	7.612354	5.343153	0.000172	0.020447	1.139116
10509014	D4Wsu53e	0.943025	8.527128	5.337017	0.000174	0.020447	1.12963
10371904	1110012L1	0.422613	7.250831	5.335382	0.000174	0.020447	1.127101
10418171	Zcchc24	1.286832	7.617061	5.334261	0.000174	0.020447	1.125368
10575160	Nfat5	0.799547	8.95917	5.326838	0.000176	0.020447	1.113882
10531437	Scarb2	0.84025	8.25665	5.32617	0.000177	0.020447	1.112848
10453102	Srsf7	-0.41314	10.14449	-5.32548	0.000177	0.020447	1.111772
10587284	Elov15	-0.4907	10.02425	-5.32071	0.000178	0.020447	1.104396
10346255	Ormdl1	-0.85427	7.792864	-5.31954	0.000179	0.020447	1.102585
10453736	Unkl	0.41136	7.635031	5.305206	0.000183	0.020762	1.08036
10345580	Inpp4a	0.714713	7.171904	5.303483	0.000183	0.020762	1.077687
10357630	Srgap2	0.666731	8.456205	5.292298	0.000187	0.020833	1.060323
10577824	Letm2	0.664497	6.293023	5.291899	0.000187	0.020833	1.059702
10593913	1700017BC	0.400385	8.250353	5.289382	0.000188	0.020833	1.055792
10467258	Myof	-0.42459	10.68259	-5.28701	0.000188	0.020833	1.052103
10441489	Gtf2h5	-0.41295	9.206494	-5.28289	0.00019	0.020833	1.045705
10399360	Rhob	0.87333	8.012063	5.278945	0.000191	0.020833	1.039566
10490632	BC006779	0.917651	6.748577	5.278549	0.000191	0.020833	1.03895
10436446	Gps1	-0.49061	9.957892	-5.27125	0.000193	0.02092	1.027585
10487392	Kcnip3	1.491578	10.28717	5.269627	0.000194	0.02092	1.025065
10444780	H2-D1	0.734175	9.921765	5.258415	0.000197	0.02093	1.007598
10526193	Wbscr16	0.446238	6.455006	5.254899	0.000199	0.02093	1.002117
10492679	4930579G2	-0.43097	8.17761	-5.25409	0.000199	0.02093	1.00085
10433219	Nat15	-0.37904	9.544536	-5.25388	0.000199	0.02093	1.000521
10393955	Dus1l	-0.55314	8.336227	-5.24617	0.000201	0.02093	0.988501
10494388	Hist2h2be	0.584543	5.64461	5.244192	0.000202	0.02093	0.985413
10491526	Acad9	-0.42525	8.634081	-5.24132	0.000203	0.02093	0.980925
10574471	Cmtm3	0.658258	8.290207	5.240546	0.000203	0.02093	0.979721
10532472	Ulk1	0.63582	8.245367	5.24007	0.000204	0.02093	0.978978
10579437	Ccdc124	-0.51261	8.4286	-5.23385	0.000206	0.02093	0.969267

10581560 Psmc7	-0.42989	10.67977	-5.23163	0.000206	0.02093	0.965793
10479938 Echdc3	0.581695	7.005626	5.2292	0.000207	0.02093	0.961994
10533304 Traf1d1	0.807863	7.803916	5.22653	0.000208	0.02093	0.957818
10545780 Exoc6b	0.509383	9.18118	5.226371	0.000208	0.02093	0.95757
10363173 Gja1	-1.20808	7.074619	-5.22367	0.000209	0.02093	0.953352
10481011 Inpp5e	0.422396	7.509924	5.218622	0.000211	0.021004	0.945448
10444814 H2-Q4	0.5454	5.432422	5.2071	0.000215	0.021305	0.927406
10351347 Creg1	1.201193	8.261068	5.200838	0.000217	0.021424	0.917592
10382852 Mfsd11	0.856316	7.897006	5.197856	0.000218	0.021428	0.912916
10587012 Ccpg1	1.562322	7.532838	5.188956	0.000221	0.021504	0.898952
10579925 Gab1	0.874664	7.525007	5.187012	0.000222	0.021504	0.895901
10467887 Cpn1	-0.41012	5.003195	-5.18625	0.000222	0.021504	0.894701
10500876 Lrig2	0.526675	7.158154	5.181705	0.000224	0.021504	0.887567
10600235 Abcd1	0.875623	6.400416	5.17936	0.000225	0.021504	0.883883
10434348 Eif2b5	-0.40201	9.080698	-5.17878	0.000225	0.021504	0.882966
10547056 Tmem40	-0.53308	7.311952	-5.17031	0.000228	0.021552	0.869654
10354506 Mfsd6	0.482862	6.960643	5.170044	0.000228	0.021552	0.86924
10580155 D8Ertd738i	-0.33545	8.737128	-5.16883	0.000229	0.021552	0.867334
10576854 Ctxn1	0.808776	7.983558	5.166435	0.00023	0.021552	0.863563
10542522 Plekha5	0.666806	6.508058	5.158591	0.000233	0.021735	0.85122
10435075 Tfrc	-0.69876	9.98354	-5.14976	0.000236	0.021739	0.837312
10471586 Hspa5	0.400424	11.59616	5.146632	0.000238	0.021739	0.832381
10530215 1110003E0	0.775263	10.68088	5.145536	0.000238	0.021739	0.830653
10380560 Zfp652	0.471595	9.043602	5.140698	0.00024	0.021739	0.823025
10540248 Mitf	-0.37852	7.687704	-5.13565	0.000242	0.021739	0.815064
10444436 Fkbpl	0.500784	7.232591	5.132001	0.000243	0.021739	0.809303
10563659 Spdy2d1	0.625722	6.898789	5.127678	0.000245	0.021739	0.802479
10524034 Idua	0.676397	5.82135	5.127466	0.000245	0.021739	0.802143
10570573 Agpat5	-0.39709	8.593662	-5.12505	0.000246	0.021739	0.79832
10490690 Uckl1	0.452466	7.375896	5.124403	0.000246	0.021739	0.797305
10491091 Tnfsf10	1.855617	5.770908	5.124213	0.000247	0.021739	0.797005
10418991 Gcap14	0.331744	8.63671	5.11747	0.000249	0.021739	0.786351
10533504 Ift81	0.358573	6.180417	5.117053	0.00025	0.021739	0.785691
10444830 H2-Q7	0.644973	10.00469	5.115997	0.00025	0.021739	0.784021

10416279 Lgi3	0.76659	6.459672	5.113538	0.000251	0.021739	0.780133
10568217 Dctpp1	-0.60711	9.702168	-5.11189	0.000252	0.021739	0.777529
10359713 Sft2d2	0.84555	8.589898	5.110699	0.000252	0.021739	0.775644
10439009 Apod	0.825465	4.9739	5.110456	0.000252	0.021739	0.77526
10564417 Aldh1a3	-0.43727	7.28717	-5.10779	0.000253	0.021739	0.771038
10590004 Golga4	0.496402	7.061857	5.104347	0.000255	0.021739	0.765594
10382935 Tnrc6c	0.355167	8.558055	5.101908	0.000256	0.021739	0.761733
10391837 Plcd3	0.351203	9.204231	5.095781	0.000259	0.021739	0.75203
10345762 Il1r1	0.544403	6.501223	5.095338	0.000259	0.021739	0.751328
10582190 Gins2	-0.98915	8.860793	-5.08924	0.000261	0.021739	0.741667
10604564 Gpc4	1.097686	9.221539	5.089219	0.000261	0.021739	0.741632
10388241 Ctns	0.722206	7.407122	5.088908	0.000262	0.021739	0.74114
10503023 Cth	0.580544	8.230311	5.085115	0.000263	0.021739	0.735125
10362294 Arhgap18	0.525405	7.258939	5.083787	0.000264	0.021739	0.73302
10363786 Ank3	0.553532	7.837309	5.08355	0.000264	0.021739	0.732644
10388591 Cpd	0.345999	9.575417	5.082357	0.000264	0.021739	0.730751
10544186 Mkrn1	0.37096	7.686854	5.074795	0.000268	0.021833	0.718753
10488797 Pxmp4	0.792766	7.207614	5.074484	0.000268	0.021833	0.718259
10398459 Ppp2r5c	0.547478	7.919876	5.071374	0.000269	0.021833	0.713322
10512067 Ddx58	1.996457	8.524934	5.07036	0.00027	0.021833	0.711712
10374035 Xbp1	0.845057	10.46945	5.064795	0.000272	0.021885	0.702872
10368356 Akap7	0.649646	6.736207	5.064041	0.000273	0.021885	0.701675
10453692 Chmp3	-0.62182	6.353897	-5.06196	0.000274	0.021885	0.698365
10463462 Sfxn3	0.495706	9.542054	5.057664	0.000276	0.021958	0.691539
10429327 Eif2c2	-0.45797	9.592759	-5.05059	0.000279	0.022135	0.680283
10478875 Rnf114	0.520716	9.819161	5.037867	0.000285	0.022381	0.660033
10362896 Cd24a	-0.57116	10.79932	-5.03785	0.000285	0.022381	0.660002
10576088 Gm22	-0.52085	7.651847	-5.03716	0.000285	0.022381	0.658905
10512847 Alg2	0.689503	8.745628	5.02995	0.000289	0.02253	0.647417
10529041 Preb	0.37201	10.67155	5.027606	0.00029	0.02253	0.64368
10421661 Gtf2f2	-0.55723	8.627134	-5.02648	0.00029	0.02253	0.641888
10363735 Egr2	1.627808	7.187177	5.016965	0.000295	0.022807	0.626704
10567303 Coq7	-0.40692	6.99248	-5.00992	0.000299	0.022958	0.615451
10470388 5930434BC	0.931261	6.846486	5.007392	0.0003	0.022958	0.611417

10552824 Rras	0.480365	10.9779	5.003747	0.000302	0.022958	0.605594
10430174 Apol9a	1.786383	7.499067	5.002825	0.000302	0.022958	0.604121
10390473 Pip4k2b	-0.67138	9.011063	-5.00203	0.000302	0.022958	0.602849
10364056 Ggt1	0.997874	7.61502	4.99287	0.000307	0.023172	0.588202
10580733 Bbs2	0.655508	7.397165	4.987173	0.00031	0.023172	0.579086
10410124 Ctsl	1.043069	10.06735	4.986861	0.00031	0.023172	0.578586
10421046 Dock5	-0.50764	9.84446	-4.98457	0.000312	0.023172	0.574925
10440953 Donson	-0.86655	7.455467	-4.98386	0.000312	0.023172	0.573786
10557754 Orai3	0.774946	8.242276	4.983617	0.000312	0.023172	0.573393
10518526 Angptl7	4.422683	5.984279	4.976358	0.000316	0.023258	0.561766
10450699 Gm7030	0.681986	7.706582	4.973454	0.000317	0.023258	0.557111
10525374 Pptc7	-0.50115	8.2212	-4.97342	0.000317	0.023258	0.557049
10453114 Dhx57	0.584209	8.598188	4.970517	0.000319	0.023258	0.552404
10348354 Ugt1a9	-0.33963	5.609827	-4.96985	0.000319	0.023258	0.55133
10386628 Gm16515	0.463972	6.41448	4.968776	0.00032	0.023258	0.549612
10440600 Cct8	-0.50285	10.47527	-4.95624	0.000327	0.023672	0.529503
10589350 Shisa5	0.365493	9.953649	4.944723	0.000333	0.024051	0.511002
10451495 Ubr2	0.336849	8.924369	4.939159	0.000336	0.024051	0.502057
10415319 Irf9	1.124937	7.754761	4.938382	0.000337	0.024051	0.500809
10492355 Mme	1.887282	9.294848	4.936658	0.000338	0.024051	0.498037
10402730 Ppp1r13b	0.685431	7.517061	4.935088	0.000339	0.024051	0.49551
10589889 Glb1	0.993343	8.623517	4.934537	0.000339	0.024051	0.494624
10469609 Gm13375	0.536959	7.230708	4.932023	0.00034	0.024061	0.49058
10545835 170004010	-0.49374	7.134758	-4.93026	0.000341	0.024061	0.487736
10411804 Mast4	1.001419	6.887485	4.925088	0.000344	0.02419	0.479418
10447589 Fbl	-0.61965	10.35523	-4.92177	0.000346	0.024221	0.47407
10541002 D6Wsu116	0.34123	8.479769	4.919041	0.000348	0.024221	0.46968
10572146 Atp6v1b2	0.406887	9.970733	4.918355	0.000348	0.024221	0.468574
10421269 Sorbs3	0.66564	8.668148	4.915412	0.00035	0.024234	0.463833
10366803 Cyp27b1	0.498994	5.506819	4.914083	0.000351	0.024234	0.461691
10591022 4931406CC	0.494079	8.444626	4.911503	0.000352	0.02426	0.457533
10466374 Tle4	0.713535	7.473935	4.90306	0.000357	0.024528	0.443917
10350173 Tnnt2	-0.95768	8.339044	-4.90036	0.000359	0.024559	0.439558
10548573 Styk1	-0.4582	7.152171	-4.89365	0.000363	0.024665	0.428734

10593225 Zbtb16	0.608797	9.707574	4.891395	0.000365	0.024665	0.425089
10352396 Trp53bp2	0.414616	8.146003	4.888747	0.000366	0.024665	0.420812
10357875 Btg2	2.217051	8.279558	4.888499	0.000366	0.024665	0.42041
10444068 Tapbp	1.264396	9.752159	4.88817	0.000367	0.024665	0.419879
10584057 Zbtb44	0.296825	9.110775	4.885798	0.000368	0.024681	0.416046
10474419 Lgr4	0.865436	7.913361	4.882764	0.00037	0.024681	0.411144
10367224 Stat2	0.996874	6.958729	4.882071	0.00037	0.024681	0.410023
10494306 Mcl1	0.441871	9.229242	4.876318	0.000374	0.024843	0.400722
10562989 Cpt1c	0.37794	8.059953	4.873695	0.000376	0.024875	0.396479
10583008 Casp12	0.712646	4.109659	4.867399	0.00038	0.025057	0.386292
10362922 Atg5	-0.38396	7.427851	-4.86561	0.000381	0.025057	0.383392
10380321 Mbtbd1	0.472523	8.116386	4.863786	0.000382	0.025057	0.380443
10582201 Cox4nb	-0.39693	8.581681	-4.86	0.000385	0.025139	0.374313
10431792 Pus7l	-0.48676	8.290876	-4.85612	0.000387	0.025146	0.368028
10535084 3110082l1	-0.65151	9.152496	-4.85212	0.00039	0.025146	0.361547
10523595 Ptpn13	0.912995	7.402557	4.851523	0.00039	0.025146	0.360576
10607317 Tsr2	-0.66419	8.944387	-4.85145	0.00039	0.025146	0.360463
10461547 Vps37c	0.566181	8.220257	4.850641	0.000391	0.025146	0.359147
10434481 Eif4g1	-0.32553	11.36963	-4.84488	0.000395	0.025278	0.349806
10540118 Lsm3	-0.67129	10.3823	-4.84249	0.000396	0.025278	0.345924
10593356 Sdhd	-0.40164	10.05971	-4.84196	0.000397	0.025278	0.345064
10394735 Pdia6	0.578992	10.30172	4.83818	0.000399	0.025278	0.338935
10517328 Tmem50a	0.723402	10.2946	4.837068	0.0004	0.025278	0.337131
10439063 Fbxo45	-0.41801	7.67747	-4.83508	0.000401	0.025278	0.33391
10452030 Plin3	0.791935	8.389751	4.834939	0.000401	0.025278	0.333675
10381211 Naglu	0.685569	7.990829	4.827778	0.000406	0.025449	0.322047
10539263 Loxl3	-0.54676	9.815035	-4.82742	0.000407	0.025449	0.321465
10410115 1110018J1	0.668272	7.934753	4.823923	0.000409	0.025514	0.315783
10412667 Ptpng	-0.30728	9.20496	-4.82144	0.000411	0.025514	0.311746
10344725 Adhfe1	1.809627	7.070974	4.818566	0.000413	0.025514	0.307076
10577641 18100110	0.912909	9.156051	4.818364	0.000413	0.025514	0.306748
10390860 Krt23	-0.50867	5.322656	-4.81536	0.000415	0.025514	0.301866
10557644 Fbrs	0.497623	9.162556	4.813777	0.000416	0.025514	0.299289
10494085 Selenbp2	1.370614	6.873852	4.813272	0.000416	0.025514	0.298467

10370037 Mmp11	0.562732	7.295268	4.808502	0.00042	0.025514	0.290708
10572733 Zfp961	-0.75655	7.971642	-4.80746	0.000421	0.025514	0.28901
10444895 Flot1	0.542872	6.745842	4.802759	0.000424	0.025514	0.28136
10553993 Snrpa1	-0.79745	8.752031	-4.80109	0.000425	0.025514	0.278645
10555179 Prkrir	-0.41065	8.829494	-4.80019	0.000426	0.025514	0.27718
10406672 Arsb	0.360919	9.115297	4.799234	0.000427	0.025514	0.27562
10440800 Urb1	-0.46421	8.955565	-4.79862	0.000427	0.025514	0.274627
10508405 Tmem54	-0.74268	9.910916	-4.79762	0.000428	0.025514	0.272994
10439542 Zdhhc23	-0.36803	7.624078	-4.79724	0.000428	0.025514	0.272373
10496796 Ssx2ip	-0.5583	8.939801	-4.79593	0.000429	0.025514	0.270241
10360443 Fh1	-0.38762	9.399273	-4.79439	0.00043	0.025514	0.267735
10555946 Smpd1	1.065972	8.798676	4.791795	0.000432	0.025514	0.263501
10442638 Mrps34	-0.47229	7.471434	-4.78983	0.000434	0.025514	0.260297
10508228 Zmym6	0.551258	6.96022	4.788751	0.000434	0.025514	0.258541
10501762 Snx7	-0.85513	8.807841	-4.78826	0.000435	0.025514	0.257732
10543686 Ube2h	0.56383	8.171398	4.779105	0.000442	0.025839	0.242809
10488912 Edem2	1.395619	9.529323	4.776682	0.000443	0.025839	0.238856
10400718 Sos2	0.481093	8.96103	4.775898	0.000444	0.025839	0.237576
10560181 Gltscr2	0.352022	10.15173	4.774268	0.000445	0.025839	0.234916
10500362 Polr3gl	0.620707	6.744505	4.769964	0.000448	0.025958	0.22789
10406419 Lysmd3	0.590683	7.79248	4.766487	0.000451	0.025977	0.222211
10442968 Rgs11	1.115831	6.771277	4.765084	0.000452	0.025977	0.21992
10351404 Tmco1	-0.33215	8.770348	-4.76358	0.000453	0.025977	0.217468
10419744 Oxa1l	1.052359	6.131038	4.762283	0.000454	0.025977	0.215343
10434888 Opa1	-0.28911	8.900023	-4.76143	0.000455	0.025977	0.213956
10423654 Osr2	0.35542	6.228031	4.75596	0.000459	0.02615	0.205009
10433797 Prkdc	-0.35311	7.296183	-4.75244	0.000462	0.026191	0.199247
10581729 Ddx19a	-0.43589	9.387837	-4.75146	0.000463	0.026191	0.197654
10434645 Senp2	-0.35415	8.60247	-4.74997	0.000464	0.026191	0.195207
10360506 Akt3	0.319399	9.608037	4.748672	0.000465	0.026191	0.193092
10460831 Mir192	0.46223	4.311241	4.746874	0.000467	0.026201	0.19015
10510552 Rere	0.379531	9.317146	4.745189	0.000468	0.026206	0.187393
10344658 Rb1cc1	0.635228	6.901387	4.741705	0.000471	0.026228	0.18169
10515051 Osbp19	0.459648	9.918987	4.738779	0.000473	0.026228	0.176901

10350749 Gm5531	-0.40892	6.565324	-4.73301	0.000478	0.026228	0.167456
10438308 Ranbp1	-0.57072	11.73406	-4.73218	0.000479	0.026228	0.166089
10487879 Rnf24	0.519369	7.12598	4.729709	0.000481	0.026228	0.162045
10359571 Fmo1	0.883555	5.920385	4.729241	0.000481	0.026228	0.161277
10520734 Nrbp1	0.309118	10.00583	4.728966	0.000481	0.026228	0.160827
10527483 Zfp498	0.357244	7.432535	4.728386	0.000482	0.026228	0.159876
10595392 Elov14	-0.54996	10.52616	-4.72604	0.000484	0.026228	0.156024
10544002 Creb3l2	0.382542	9.907219	4.725034	0.000484	0.026228	0.154382
10577623 Gins4	-0.49715	10.01268	-4.72404	0.000485	0.026228	0.152746
10557450 Bola2	-0.36795	8.704037	-4.72274	0.000486	0.026228	0.150615
10503584 Coq3	-0.39318	7.454789	-4.72246	0.000487	0.026228	0.150165
10495651 Alg14	-0.35164	7.782554	-4.72091	0.000488	0.026228	0.14762
10478219 Plcg1	0.437428	8.416123	4.720898	0.000488	0.026228	0.147602
10526897 Sun1	0.555287	9.437397	4.719348	0.000489	0.026228	0.145059
10528238 Phtf2	-0.36453	7.777079	-4.71855	0.00049	0.026228	0.143745
10478048 Lbp	1.896144	10.22356	4.713329	0.000494	0.026396	0.135184
10396125 At11	0.647436	5.183905	4.710718	0.000497	0.026447	0.1309
10425999 Ttc38	1.291719	7.060589	4.70697	0.0005	0.026482	0.124747
10462613 Ifit2	0.523133	8.246272	4.706954	0.0005	0.026482	0.124722
10376216 Slc36a1	0.749767	9.079284	4.703661	0.000503	0.02655	0.119314
10510629 Nol9	-0.49788	10.35607	-4.7016	0.000504	0.02655	0.115924
10514070 Z310067E1	-0.36766	6.066779	-4.70022	0.000506	0.02655	0.113657
10428018 Ube2v2	-0.37464	9.079319	-4.69957	0.000506	0.02655	0.11259
10515282 Tspan1	0.555684	4.942062	4.693716	0.000511	0.026751	0.102974
10604187 Lamp2	0.390136	10.73204	4.691952	0.000513	0.026765	0.100075
10504518 Polr1e	-0.54467	7.927243	-4.68851	0.000516	0.026852	0.094423
10520250 Nub1	0.434744	9.192754	4.685826	0.000518	0.026852	0.090001
10499045 Trim2	0.648491	6.884512	4.685634	0.000518	0.026852	0.089685
10381419 Nbr1	0.686016	8.936403	4.68398	0.00052	0.026852	0.086964
10568417 Mcmbp	-0.42653	9.530014	-4.68281	0.000521	0.026852	0.085035
10593492 Zc3h12c	0.505774	8.819849	4.679825	0.000524	0.026893	0.080128
10562260 Gramd1a	0.926681	7.908957	4.679035	0.000524	0.026893	0.078828
10404848 Jarid2	0.712832	8.127868	4.673416	0.000529	0.026946	0.069578
10430846 Ndufa6	0.507918	9.398413	4.673194	0.00053	0.026946	0.069212

10495059 St7l	0.452628	7.537505	4.67101	0.000532	0.026946	0.065616
10485131 Gylt1b	0.580807	6.662764	4.67074	0.000532	0.026946	0.065171
10413803 Btd	0.729448	6.813673	4.669508	0.000533	0.026946	0.063142
10424370 Trib1	0.66119	8.755389	4.668531	0.000534	0.026946	0.061533
10425283 Maff	0.762535	7.082867	4.667933	0.000535	0.026946	0.060548
10454254 Dtna	0.581967	8.623117	4.664719	0.000537	0.02702	0.055253
10527920 Cyp51	-1.11231	8.254384	-4.66354	0.000539	0.02702	0.053307
10528583 Cdk5	0.535248	9.208104	4.660535	0.000541	0.027095	0.048357
10574996 Prmt7	-0.51065	8.853824	-4.65581	0.000546	0.02721	0.040571
10532390 Noc4l	-0.49842	9.684482	-4.65496	0.000547	0.02721	0.039167
10588696 Nat6	0.584607	7.013363	4.653917	0.000548	0.02721	0.037446
10430438 Ankrd54	-0.32338	8.089419	-4.65174	0.00055	0.027247	0.033855
10579125 Gatad2a	-0.30343	9.899213	-4.64527	0.000556	0.027477	0.023182
10601980 Mum1l1	1.215368	9.137898	4.642633	0.000558	0.027477	0.018826
10559270 Tssc4	-0.30175	7.478721	-4.64145	0.00056	0.027477	0.016873
10588007 Tfdp2	0.512138	8.447246	4.641362	0.00056	0.027477	0.016726
10477644 Trp53inp2	1.321805	8.422503	4.63693	0.000564	0.027623	0.009409
10407833 Ggps1	0.568846	7.978867	4.635153	0.000566	0.027637	0.006473
10359422 Prdx6	0.470113	9.415574	4.633369	0.000567	0.027637	0.003526