

Table S1

Gene name	FDR	Standard PRT mean	Control mean	Real Fold change
Aen	0	1205.718049	539.8979691	2.233233162
Apaf1	0	918.8229606	323.4427673	2.840759026
Bax	2.12896E-10	343.7287263	153.466277	2.239767152
Bbc3	0.001581104	173.5383234	70.7598678	2.452496433
Bbs7	4.09449E-05	113.3714517	69.44985558	1.632421705
Ccn2	4.34638E-05	1372.656158	808.1477551	1.698521278
Cdkn1a	0.006867976	5944.193612	3192.508113	1.861919657
Col2a1	5.43015E-08	28.07335255	2.899146881	9.683315021
Ddias	9.64788E-08	327.5865965	107.8297562	3.037998117
Ddit4	0.014352182	743.5018213	329.7354615	2.254843376
Dhh	8.88178E-16	102.3545165	23.95364317	4.273025016
Dzip1	1.63014E-12	639.6992087	289.3590729	2.210745294
Eda2r	0	593.8041628	169.2391578	3.508668859
Evc	2.33267E-05	336.9101004	194.7460045	1.729997498
Fas	8.6435E-05	168.8405184	95.41878276	1.769468375
Fgb	0.014631054	53.65176948	25.4537248	2.107816043
Fgf9	3.03479E-11	47.58210639	5.860400078	8.119259053
Glis2	1.46576E-09	452.1717179	248.1350706	1.82228057
Gm11555	0	51.68653732	0	516.86
Ift27	2.58795E-05	193.2803753	106.2342851	1.819378511
Inhba	0.007491032	172.5096749	89.28989213	1.932017957
Kitl	7.99361E-15	1270.980464	665.7445383	1.909111365
Krt25	0.010393704	1090.041041	48.92790576	22.27851415
Krt26	7.45413E-05	159.202668	2.360368383	67.44822935
Krt31	0.000133942	113.8558887	2.00222499	56.8646827
Krt33a	2.37812E-06	298.0021771	2.016160596	147.8067659
Krt7	6.14651E-09	190.0591258	10.8965579	17.44212508
Krt71	0.002823596	1859.386797	59.257818	31.37791534
Krt72	5.91736E-06	248.7666116	1.905557815	130.5479213
Krt73	0.036442417	269.5047977	19.20666581	14.03183667
Krt83	4.6037E-06	110.511247	0.523023052	211.2932625
Krt87	0.000191072	180.1036238	3.746783165	48.06886759
Krtap1-4	0	68.0840349	0	680.84
Lrrk2	2.17984E-09	641.4243665	352.5105791	1.819588984
Mdm2	0	1863.068461	1170.638207	1.591498081
Pmaip1	0.039702434	343.689825	106.1303859	3.238373461
Pml	5.61796E-06	999.0031212	551.5715683	1.811194011
Pthlh	0.000366106	140.3448965	67.20163602	2.088414879
Serpine2	0	1242.373106	174.16449	7.133331862
Siva1	0.029517352	222.0609236	140.6994717	1.578264089
Tctn1	1.72085E-14	327.0563183	177.0075289	1.847697216
Timp3	0	8103.736126	4374.689657	1.852413945

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Tnfrsf10b	6.91905E-05	515.7209544	175.8362841	2.932960948
Wdr35	0.005720915	365.8876317	177.1069067	2.065913965
Wnt9a	0.002241934	63.88524531	30.21865554	2.114099525