

**Supplementary Table 1.** Differentially expressed genes after *Prdm1* inactivation. Gene expression in BM PCs from *Prdm1<sup>fl/gfp</sup>Cre<sup>ERT2</sup>* versus *Prdm1<sup>+/gfp</sup>Cre<sup>ERT2</sup>* mice as described in **Fig. 2**. The right column indicates if ChIPseq has revealed Blimp-1 binding site(s).

Symbol	EntrezID	<i>Prdm1<sup>+/gfp</sup></i> expression	<i>Prdm1<sup>fl/gfp</sup></i> expression	Adjusted P.Value	Blimp-1 bound
Kynu	70789	0.3	22.7	3.76E-15	x
Id3	15903	1.0	34.3	2.11E-12	x
H2-Oa	15001	1.2	38.2	1.61E-11	
Spib	272382	5.6	149.3	3.76E-15	x
Anxa8	11752	0.4	9.7	4.91E-08	
Cxcr5	12145	0.5	11.1	3.56E-11	
Tnni2	21953	0.9	18.7	4.54E-10	x
Nxpe2	78252	1.1	20.7	1.27E-11	
Tm4sf5	75604	0.7	11.8	3.97E-09	
Ccr7	12775	1.5	26.6	7.66E-11	x
B3gnt5	108105	0.6	10.6	3.56E-11	
H2-DMb2	15000	6.6	109.5	1.17E-10	x
Nb1	17965	0.6	10.0	9.01E-10	
Lib	16994	63.1	932.3	2.02E-13	x
Zbtb32	58206	0.9	13.0	4.76E-09	
Rdh12	77974	5.3	69.4	3.36E-11	x
Snord35b	27212	4.7	58.6	2.07E-07	
Plac8	231507	147.9	1740.3	2.44E-12	x
Upp1	22271	0.4	5.0	7.66E-06	
Tlr9	81897	2.4	24.8	3.47E-10	x
Map3k15	270672	2.0	20.5	9.01E-10	
Pigr	18703	1.9	19.8	1.24E-09	x
Klk1	16612	0.5	4.9	5.48E-06	
Hhex	15242	1.8	18.0	1.29E-08	
Tnfrsf8	21941	0.4	4.1	5.97E-06	
H2-Aa	14960	691.6	6387.2	2.14E-11	x
Gm15848	100502856	2.5	22.5	4.13E-08	
Nefl	17969	9.0	79.2	1.81E-10	x
Madcam1	17123	5.6	49.3	6.01E-09	
Nqo1	18104	0.6	5.2	1.89E-06	
Ly86	17084	34.1	273.1	3.64E-10	x
Gimap3	83408	11.5	90.1	9.01E-10	x
Faim3	69169	99.7	774.1	2.70E-10	
Marcks1	17357	7.6	59.1	1.12E-08	
Pstpip1	19200	4.5	31.8	4.90E-08	x
S1pr1	13609	3.6	24.1	7.40E-08	x
Dnase113	13421	7.2	48.5	4.76E-09	x
Fcer2a	14128	2.0	13.6	1.94E-07	
Cd22	12483	3.8	25.0	8.82E-08	x
Cd72	12517	2.6	16.7	4.04E-05	
Pdlim1	54132	3.8	23.8	1.03E-06	x
H2-Eb1	14969	408.1	2580.6	1.79E-09	x
Lilrb4	14728	3.5	21.4	7.95E-07	
Gmfg	63986	5.1	30.1	1.03E-06	
Tmem229b	268567	4.6	26.8	7.58E-08	x
Gm9835	100040018	24.2	138.6	1.55E-07	
Pglyrp1	21946	52.5	296.1	6.84E-08	
Nucb2	53322	34.4	194.1	3.87E-08	x
H2-Ob	15002	26.4	146.6	4.69E-08	
Fcrl5	329693	2.0	11.3	3.34E-06	x
Anxa2	12306	28.5	157.0	9.20E-08	x
Il27ra	50931	2.6	13.7	1.78E-06	
Parp8	52552	1.3	6.7	6.29E-06	x
Grap	71520	46.7	239.9	6.10E-08	x
Sle44a2	68682	5.8	29.6	3.59E-07	x
Klra2	16633	1.0	5.3	8.65E-04	
S100a6	20200	9.0	45.3	5.48E-06	
Fam3c	27999	15.9	79.6	1.43E-07	x
Sell	20343	26.3	130.8	1.36E-07	x
Susd3	66329	6.0	29.5	7.81E-06	x
Ecm1	13601	1.1	5.5	5.55E-05	
Nekipsd	80987	1.0	4.7	4.95E-05	
Tnfrsf9	21950	1.1	5.4	2.87E-04	
Tnfaip8l2	69769	5.2	24.1	1.72E-05	x
Sirpb1a	320832	2.0	8.9	2.40E-03	
2310015A10Rik	69548	1.2	5.3	1.98E-05	
Cd80	12519	4.8	21.7	1.06E-05	x

Symbol	EntrezID	<i>Prdm1<sup>+/gfp</sup></i> expression	<i>Prdm1<sup>fl/gfp</sup></i> expression	Adjusted P.Value	Blimp-1 bound
Itgax	16411	2.2	10.1	5.97E-06	
Napsa	16541	214.7	951.5	2.30E-07	x
Rpph1	85029	1.8	8.0	3.21E-03	
H2-Ab1	14961	914.6	3966.8	3.56E-07	
Ciita	12265	2.1	9.1	5.36E-06	x
Fam89a	69627	1.0	4.1	2.53E-03	
Abca3	27410	9.9	42.3	3.08E-06	x
Scd1	20249	24.5	104.3	7.24E-07	x
Gng3	14704	1.2	4.9	1.34E-03	
Ropn11	252967	1.8	7.6	1.08E-03	
Lsp1	16985	141.3	591.7	5.41E-07	
Aldh2	11669	34.0	141.5	1.12E-06	x
Tnfrsf26	244237	2.4	10.0	4.51E-05	x
Msi1	17690	1.0	4.2	8.62E-04	
Fam43a	224093	1.2	4.8	1.83E-03	
Fscn1	14086	16.7	67.0	5.36E-06	
Sh3bgrl3	73723	186.8	741.6	6.55E-06	
Rbm38	56190	9.4	37.2	1.57E-05	x
Aff3	16764	1.9	7.4	3.68E-05	
Syt11	229521	1.3	5.1	1.01E-04	
Cst7	13011	1.4	5.4	2.72E-03	
Rcsd1	226594	9.8	37.3	1.36E-05	x
Gm15987	100504591	13.8	52.1	6.43E-05	
Dek	110052	6.0	22.4	5.32E-05	x
Pded1lg2	58205	17.8	66.1	6.55E-06	
Plaur	18793	1.5	5.6	6.46E-03	
Fcgr4	246256	7.2	26.7	1.29E-04	x
Itgam	16409	7.0	26.0	1.72E-05	x
Sit1	54390	1.3	4.8	4.79E-03	
Klrb1	100043861	4.8	17.1	1.70E-03	
Cnr2	12802	1.3	4.5	4.92E-04	
Cnn2	12798	40.2	139.8	2.19E-05	x
Vim	22352	57.9	200.1	1.91E-05	
Cd300lf	246746	4.1	14.1	3.30E-04	x
Lacc1	210808	1.7	5.6	1.24E-03	
Coro1a	12721	175.5	585.9	1.76E-05	
Rn7sk	19817	2.6	8.5	3.38E-02	
Cyb561a3	225912	187.7	620.3	1.49E-05	
Cd40	21939	11.8	38.7	1.93E-04	
Kctd14	233529	9.4	30.7	1.24E-04	
Ddah2	51793	2.1	7.0	6.29E-03	
Immp2l	93757	11.7	38.0	4.46E-04	x
H2-DMa	14998	74.1	239.5	9.61E-05	x
Procr	19124	14.5	47.0	1.78E-04	
Naaa	67111	6.1	19.9	2.79E-04	
Noxred1	71275	3.4	10.9	1.95E-03	
Bcl2a1d	12047	3.1	9.8	1.78E-02	
BC061194	381350	8.9	27.5	4.28E-04	
Ctsh	13036	125.9	390.0	7.69E-05	x
Gpcl	14733	3.8	11.7	7.31E-04	
Adamtsl4	229595	7.1	21.6	2.23E-04	x
Il4ra	16190	2.2	6.8	9.66E-04	
Phf11a	219131	1.3	4.1	1.77E-02	
Arhgap4	171207	6.0	18.3	3.70E-04	x
Trim34a	94094	3.6	10.9	1.00E-03	
Btla	208154	62.1	188.4	5.82E-05	x
Arhgef18	102098	2.4	7.2	7.80E-04	
Fah	14085	9.3	28.1	5.67E-03	
Gns	75612	33.3	100.3	9.70E-05	x
Gm2830	100040543	6.1	18.4	1.10E-02	
Il10ra	16154	7.2	21.5	6.75E-04	x
S100a10	20194	111.9	334.7	5.08E-04	
Sspn	16651	2.6	7.9	1.62E-03	
1700021K19Rik	100502698	7.5	22.3	2.66E-04	x
Klhl6	239743	6.8	20.2	8.68E-04	x
Cacng6	54378	2.9	8.6	1.38E-02	
S1pr4	13611	12.8	37.9	6.65E-04	
Hs3st1	15476	1.6	4.8	2.34E-02	
Il1b	16176	1.8	5.3	1.78E-02	
Gimap7	231932	35.0	103.5	3.83E-04	x
Pomgnt2	215494	2.9	8.5	1.95E-03	
Yap1	22601	2.5	7.3	1.67E-03	
Nuak2	74137	2.5	7.1	2.19E-03	x
Siglecg	243958	10.3	29.6	5.38E-04	
Mta3	116871	6.7	19.2	7.11E-04	x
Gpr137b	83924	3.0	8.5	2.41E-03	
Soes1	12703	5.8	16.4	3.96E-03	x

Symbol	EntrezID	<i>Prdm1</i> <sup>+/gfp</sup> expression	<i>Prdm1</i> <sup>fl/gfp</sup> expression	Adjusted P.Value	Blimp-1 bound
BC021614	225884	1.9	5.4	4.11E-02	
Tmem243	652925	17.2	49.1	2.43E-03	
Gimap4	107526	84.3	240.1	2.19E-04	x
Traf5	22033	5.3	15.1	1.69E-03	x
Xkrx	331524	12.8	36.2	4.99E-04	
Ly6i	57248	55.3	156.8	5.96E-04	
Tlr12	384059	1.7	4.8	1.11E-02	
Alox5ap	11690	5.9	16.5	2.01E-02	x
Cd33	12489	3.4	9.3	4.26E-03	
Smim24	72273	8.6	23.8	1.31E-02	
Gas5	14455	8.0	22.0	1.70E-03	
Bfsp2	107993	3.4	9.3	1.26E-02	
Tlcd2	380712	4.3	11.9	9.89E-03	x
Phyhdl1	227696	7.6	20.7	4.24E-03	x
Ddit4	74747	15.1	41.3	1.34E-03	
Gpr183	321019	7.1	19.3	2.06E-03	
Cd3g	12502	3.6	9.7	4.35E-02	
Havcr1	171283	3.6	9.8	1.74E-02	
Hmox1	15368	204.0	550.1	3.69E-04	x
Gpsm3	106512	18.6	49.9	2.33E-03	
Cd52	23833	2349.6	6319.1	3.30E-04	x
Fchsdl2	207278	17.9	48.0	1.09E-03	x
Phlda3	27280	2.2	6.0	3.20E-02	
Cd37	12493	165.5	441.4	7.64E-04	x
Mapk12	29857	6.6	17.7	4.64E-03	x
Rel	19696	1.8	4.7	2.42E-02	x
Nrm	106582	5.6	14.8	8.25E-03	
Ms4a1	12482	113.1	299.4	5.02E-04	x
Fam69a	67266	12.9	33.8	1.35E-03	x
Gimap8	243374	7.0	18.3	1.95E-03	
Ass1	11898	3.3	8.7	2.03E-02	
Cib1	23991	25.1	65.6	9.07E-03	x
Fam49a	76820	3.9	10.2	4.28E-03	x
Nsmce1	67711	12.8	33.4	6.14E-03	x
Cd180	17079	68.6	177.2	8.62E-04	x
Pdia5	72599	4.3	10.9	1.11E-02	x
Twif2	23999	14.3	36.7	4.23E-03	
Fau	14109	16.1	41.1	4.02E-02	
AB124611	382062	35.7	90.6	1.64E-03	
Lmo2	16909	13.9	35.3	2.71E-03	x
Relt	320100	2.6	6.7	1.10E-02	
Plekhg5	269608	1.7	4.1	1.49E-02	
Zecch11	230594	7.0	17.3	1.11E-02	x
Pld4	104759	94.6	234.6	1.69E-03	x
Fli3l	14256	9.9	24.5	1.45E-02	
Sesn3	75747	2.5	6.0	2.71E-02	x
Izumo4	71564	12.0	29.2	1.45E-02	
Fam65b	193385	8.2	20.1	2.63E-03	x
9030617003Rik	217830	1.7	4.1	2.20E-02	
Cdkn2d	12581	12.6	30.4	1.49E-02	
Haus8	76478	2.6	6.4	3.92E-02	
Smpdl3a	57319	55.8	134.4	2.52E-03	x
Tnnt3	21957	3.0	7.2	3.80E-02	
Neur13	214854	5.6	13.4	9.63E-03	x
Hest	23900	16.6	40.0	4.96E-02	x
Ikbke	56489	5.6	13.5	7.08E-03	
Ms4a6c	73656	6.8	16.3	2.18E-02	x
Cep89	72140	2.2	5.3	2.64E-02	
Smim14	68552	40.3	95.5	4.82E-03	
Ptp4a3	19245	35.1	82.7	4.24E-03	
1500012F01Rik	68949	8.9	20.9	3.71E-02	
Gbp2	14469	7.3	17.0	1.00E-02	x
Btg1	12226	13.8	32.2	4.24E-03	x
Klrg2	74253	4.1	9.6	1.99E-02	
Dnaja4	58233	2.6	5.9	2.01E-02	
Slnf2	20556	23.8	55.0	1.10E-02	x
Cnpy3	72029	34.4	79.2	5.25E-03	x
Mndal	100040462	33.0	75.8	1.26E-02	
B4galt5	56336	3.7	8.4	1.46E-02	
Wdfy1	69368	2.1	4.7	3.62E-02	
Lpp	210126	3.0	6.9	2.85E-02	x
Lpxn	107321	28.7	65.5	8.51E-03	x
Ccdc122	108811	4.5	10.3	2.91E-02	x
Tmsb10	19240	32.8	73.9	1.75E-02	x
Sigirr	24058	11.0	24.7	2.11E-02	x
Irak3	73914	3.6	8.1	2.55E-02	
Lynx1	23936	7.9	17.8	1.10E-02	

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Mir703	735265	213.7	477.8	2.43E-02	
Bmyc	107771	40.6	90.2	1.52E-02	
Itgb7	16421	152.5	339.2	4.00E-03	
Rps27rt	100043813	908.4	2020.4	1.78E-02	
Haao	107766	12.8	28.1	2.55E-02	x
Kmo	98256	34.6	75.9	8.75E-03	x
Rsrp1	27981	82.7	181.4	3.59E-03	
Tk2	57813	17.4	38.1	1.39E-02	x
Akna	100182	13.4	29.3	1.83E-02	
Fam46a	212943	2.8	6.1	2.40E-02	
Usp11	236733	7.2	15.7	1.64E-02	
Parp3	235587	7.0	15.3	2.01E-02	x
Rac2	19354	134.6	292.5	8.55E-03	
S100a11	20195	63.6	137.8	2.42E-02	
H2-DMb1	14999	36.4	78.4	1.24E-02	
Vwa5a	67776	6.1	13.1	2.06E-02	x
Clic1	114584	140.4	302.1	1.10E-02	x
Bcl3	12051	11.2	23.9	2.33E-02	x
Ccdc12	72654	15.7	33.4	4.13E-02	x
Gng10	14700	49.2	105.0	2.06E-02	x
Fcrl1	229499	24.3	51.7	2.06E-02	x
Crip1	12925	227.5	484.8	2.70E-02	
Tom34	67145	14.6	31.0	2.06E-02	
Inpp1	16332	5.7	12.2	2.17E-02	
Arhgap17	70497	17.5	37.0	1.78E-02	x
Srms	20811	9.1	19.3	2.31E-02	
Snx8	231834	14.2	30.1	2.13E-02	x
Gm5424	432466	65.3	138.2	1.67E-02	
Trim12a	76681	15.7	33.3	2.31E-02	
Tacstd2	56753	3.2	6.8	3.20E-02	
Pkp3	56460	12.6	26.6	2.54E-02	
Dennd2d	72121	10.3	21.7	2.33E-02	x
Lair1	52855	3.6	7.6	4.14E-02	
Flna	192176	18.9	39.7	1.73E-02	
Ifi30	65972	98.9	208.0	1.94E-02	
Mbp	17196	4.1	8.6	2.31E-02	
Ets1	23871	24.6	51.7	1.30E-02	x
Elf4	56501	11.8	24.9	2.41E-02	x
Ryr1	20190	3.1	6.4	4.33E-02	
Sp110	109032	13.5	28.2	2.99E-02	x
Limd2	67803	101.2	210.1	1.53E-02	x
Lipe	15450	26.1	54.1	2.70E-02	
Phe2	54383	10.4	21.4	2.31E-02	x
Gm12854	100502897	25.6	52.6	4.55E-02	
2410006H16Rik	69221	42.6	87.5	4.14E-02	
4930523C07Rik	67647	12.2	24.9	2.25E-02	x
Chst3	53374	6.8	13.9	2.58E-02	x
Neil1	72774	39.4	79.8	2.61E-02	x
Coq2	71883	20.3	41.2	3.85E-02	
Gmp1	78816	8.1	16.5	3.06E-02	
Fgd2	26382	8.2	16.6	3.96E-02	x
Dennd4b	229541	9.1	18.3	2.88E-02	x
Tbc1d14	100855	11.0	22.2	2.72E-02	x
Upb1	103149	24.6	49.3	4.96E-02	
Capg	12332	267.2	534.5	2.70E-02	
Ptpn1	19246	34.9	69.6	2.17E-02	x
Pim2	18715	141.9	281.4	2.11E-02	
Rapgef1	107746	104.7	207.4	3.40E-02	
Bank1	242248	18.0	35.5	3.36E-02	
Ablim1	226251	14.3	28.2	3.83E-02	
Ly6d	17068	1663.5	3270.5	2.00E-02	
Ints4	101861	27.2	53.5	3.22E-02	
Icam1	15894	42.9	83.9	3.17E-02	
Ctso	229445	84.0	162.7	3.06E-02	
Ctsc	13032	69.3	134.0	2.56E-02	
Snn	20621	68.4	131.5	3.38E-02	
Cd200	17470	25.9	49.4	4.33E-02	
Fmnl1	57778	28.2	53.8	4.57E-02	
Rps11	27207	1284.8	2442.6	3.70E-02	
Stk38	106504	21.7	41.2	4.56E-02	
Cd79b	15985	717.8	1361.9	3.68E-02	
G6pdx	14381	29.2	55.2	4.68E-02	
Laptm5	16792	480.5	888.2	4.19E-02	
Eef1a1	13627	2278.9	4206.0	4.09E-02	
Arhgdib	11857	430.3	790.2	4.76E-02	
Klf2	16598	133.1	213.5	4.43E-02	
Dusp1	19252	162.9	94.8	1.36E-02	

Symbol	EntrezID	<i>Prdm1</i> <sup>+/gfp</sup> expression	<i>Prdm1</i> <sup>fl/gfp</sup> expression	Adjusted P.Value	Blimp-1 bound
Zbtb38	245007	16.6	9.6	3.85E-02	
Kif13b	16554	7.8	4.4	4.56E-02	
Rrbp1	81910	109.5	59.5	4.31E-02	
Edem3	66967	65.2	35.2	4.43E-02	x
Ergic1	67458	249.8	134.5	3.99E-02	
Ppapdc1b	71910	214.3	115.3	4.62E-02	
Syvn1	74126	204.7	109.8	3.92E-02	
Epb4.112	13822	26.2	14.0	4.35E-02	x
Atp2a2	11938	78.3	41.7	3.85E-02	
Slc33a1	11416	96.8	51.5	4.40E-02	x
1830127L07Rik	546643	94.9	50.4	2.52E-02	
Phgdh	236539	110.7	58.5	4.05E-02	
Shmt2	108037	121.3	64.0	3.70E-02	
Slc1a5	20514	82.7	43.6	3.69E-02	
Xbp1	22433	3793.3	1991.7	2.91E-02	
Tns3	319939	57.7	30.3	2.70E-02	
Gusb	110006	135.2	70.8	3.56E-02	
Dvl3	13544	11.2	5.9	4.15E-02	
Bcar3	29815	31.5	16.5	4.56E-02	
Mfsd4	213006	24.4	12.7	4.37E-02	
Slc17a5	235504	25.9	13.5	4.79E-02	
Mgll	23945	16.4	8.6	4.52E-02	
Cpeb2	231207	21.1	10.9	4.10E-02	
H13	14950	189.1	97.6	2.01E-02	
Chpf	74241	60.6	31.1	3.52E-02	
Cpped1	223978	19.6	10.0	4.56E-02	
Clptm11	218335	545.0	279.1	2.17E-02	
Slamf9	98365	50.7	25.9	4.46E-02	
Samsn1	67742	29.2	14.9	4.46E-02	
Sec24a	77371	30.6	15.6	2.74E-02	
Csrnp1	215418	55.3	28.0	3.90E-02	
Zfp36	22695	682.7	343.5	6.16E-03	
Ckb	12709	23.7	11.9	4.91E-02	
Prrg4	228413	25.3	12.7	1.61E-02	x
Slc17a9	228993	22.1	11.0	3.85E-02	x
Lmbrd2	320506	8.8	4.4	3.47E-02	
Cdk16	18555	28.3	14.1	3.19E-02	
Ralgds	19730	27.4	13.6	2.64E-02	
Slc6a9	14664	15.4	7.6	3.38E-02	x
Cpeb3	208922	15.2	7.5	2.49E-02	x
Slc16a6	104681	10.1	5.0	3.18E-02	
Rrm2	20135	21.8	10.7	3.46E-02	
Fam188a	66960	13.4	6.6	4.07E-02	
Cdh23	22295	4.1	2.0	2.64E-02	
Fndc3b	72007	42.1	20.5	1.50E-02	x
Fam46c	74645	634.0	307.9	1.10E-02	x
B3gnt9	97440	33.5	16.2	2.33E-02	x
Cad	69719	36.2	17.4	1.38E-02	
Ago2	239528	11.5	5.5	5.98E-03	
Cldn7	53624	16.4	7.8	4.56E-02	
Itgav	16410	8.7	4.1	2.01E-02	x
Wipi1	52639	79.7	37.9	1.52E-02	
Capn5	12337	60.5	28.8	1.28E-02	
Teirg1	27060	30.0	14.2	1.92E-02	
Slc44a1	100434	90.5	42.9	9.91E-03	x
Psat1	107272	37.3	17.7	1.49E-02	x
Chst11	58250	13.8	6.6	1.83E-02	x
Plekhh3	217198	6.7	3.2	4.56E-02	
Fcna	14133	118.5	56.0	3.36E-03	
Kat2b	18519	9.0	4.2	2.05E-02	x
Cd93	17064	48.1	22.6	1.27E-02	x
Top2a	21973	13.8	6.5	2.33E-02	
Creld2	76737	957.4	447.8	9.29E-03	
Cers6	241447	9.3	4.3	1.36E-02	
Cd51	11801	55.9	26.1	3.03E-03	
Dusp14	56405	24.8	11.5	3.11E-02	
Gpr155	68526	85.8	39.7	7.47E-03	
Bbs9	319845	21.7	10.0	1.47E-02	x
Gpr55	227326	97.1	44.9	8.63E-03	
Tmem150a	232086	20.7	9.5	2.20E-02	
H1f0	14958	107.1	49.1	7.49E-03	
Ltf	17002	11.7	5.3	2.52E-02	
Ehd4	98878	103.6	47.1	7.12E-03	
Slc7a5	20539	147.6	66.8	6.03E-03	x
5031425E22Rik	269630	16.2	7.3	1.49E-02	
H2-T24	15042	66.6	30.1	8.54E-03	
Fam214a	235493	97.5	44.0	5.37E-03	

Symbol	EntrezID	<i>Prdm1</i> <sup>+/gfp</sup> expression	<i>Prdm1</i> <sup>fl/gfp</sup> expression	Adjusted P.Value	Blimp-1 bound
Twsg1	65960	14.9	6.6	9.66E-03	
Camk2a	12322	8.5	3.8	1.29E-02	
Ggh	14590	128.0	56.7	6.29E-03	
Tmem63b	224807	6.6	2.9	2.17E-02	
C330027C09Rik	224171	4.2	1.9	4.16E-02	
Gpx3	14778	9.4	4.1	3.75E-02	
Tigit	100043314	108.9	47.4	9.91E-03	x
Atp6v0a1	11975	142.0	61.8	3.33E-03	x
Kcnmb4os2	100504412	64.0	27.8	1.19E-02	
Edem1	192193	628.4	272.7	2.44E-03	
Dpep2	319446	4.9	2.1	4.62E-02	
Cited4	56222	9.5	4.1	3.92E-02	
Klf4	16600	5.9	2.5	1.29E-02	
Adssl1	11565	85.4	36.5	4.09E-03	
Abcb1b	18669	27.7	11.8	5.21E-03	x
Mki67	17345	12.7	5.4	9.86E-04	
Lgals3bp	19039	44.8	19.0	8.20E-03	
Slc43a1	72401	10.1	4.2	1.11E-02	
AI504432	229694	6.9	2.9	6.05E-03	
Fkbp11	66120	250.1	101.8	1.62E-03	
Arhgap6	11856	7.9	3.2	3.72E-03	
Pycr1	209027	66.5	26.8	1.70E-03	
Tram2	170829	108.1	43.5	2.43E-03	x
Fads3	60527	7.5	3.0	9.22E-03	
Gpd1	14555	4.1	1.7	3.91E-02	
Vav3	57257	4.7	1.9	6.16E-03	
Nugge	100503545	36.5	14.5	2.31E-03	
Gnaz	14687	5.0	2.0	3.47E-02	
Rhob	11852	539.1	213.3	1.65E-03	
Pik3cg	30955	54.1	21.3	9.36E-04	x
Junb	16477	404.7	157.8	1.10E-03	x
Fos	14281	1377.6	536.3	1.44E-05	x
Aplp1	11803	8.1	3.1	9.91E-03	
Ackr3	12778	5.1	2.0	1.64E-02	
Slc7a3	11989	6.8	2.6	1.14E-02	
Gabra4	14397	8.1	3.1	4.01E-03	
AI848285	435145	6.2	2.4	2.78E-02	
Trp53imp1	60599	535.2	201.0	4.00E-04	x
Bcl2l1	12048	10.4	3.9	3.72E-03	x
Txndc5	105245	3976.4	1473.0	1.86E-04	
Xrec3	74335	9.7	3.6	3.59E-03	
Cd163	93671	12.4	4.6	9.53E-03	
Ndufa4l2	407790	4.8	1.7	4.78E-02	
Kenj10	16513	7.1	2.6	2.12E-02	
Gfi1	14581	9.3	3.3	2.36E-03	x
Klf6	23849	80.2	28.0	8.48E-03	x
4930428O21Rik	654809	4.4	1.5	1.40E-02	
Cer3	12771	15.0	5.2	5.98E-03	
Timd4	276891	4.1	1.4	3.99E-02	
Abec3	76408	4.5	1.5	1.67E-02	
Slco2b1	101488	8.0	2.7	1.16E-02	
Tpst2	22022	102.6	34.0	1.60E-04	
Alpl	11647	25.4	8.4	2.76E-04	x
Rgec	66214	100.3	33.0	2.38E-04	
Mei2b	17259	22.9	7.5	8.62E-04	x
Vcam1	22329	113.8	37.1	1.76E-03	
Dusp5	240672	29.5	9.6	1.10E-02	x
Slc40a1	53945	94.2	30.4	1.93E-04	
Gpnmh	93695	5.2	1.7	1.38E-03	
Itgad	381924	12.8	4.1	6.14E-03	
Sema6d	214968	10.6	3.3	1.28E-04	x
Chp2	70261	6.5	2.0	1.49E-02	
Tmed6	66269	5.0	1.5	2.18E-02	
Itih5	209378	4.0	1.2	4.89E-04	
Nrip1	268903	5.8	1.8	2.20E-04	x
Mertk	17289	7.1	2.1	1.10E-02	
Fads2	56473	13.9	4.1	1.07E-03	
Matn2	17181	7.8	2.3	2.68E-04	x
Jun	16476	633.4	187.8	7.83E-07	x
Lrrn3	16981	32.3	9.6	4.49E-05	
Slc3a2	17254	1493.8	439.8	1.18E-05	
Gadd45b	17873	43.8	12.9	8.41E-05	x
Thbd	21824	33.5	9.8	4.76E-05	
Hes1	15205	6.3	1.8	5.23E-03	x
Kcna3	16491	6.5	1.8	4.69E-04	x
Clec2g	70809	22.8	6.4	4.95E-05	
Hsd11b1	15483	92.1	25.4	1.86E-05	

Symbol	EntrezID	<i>Prdm1</i> <sup>+/-gfp</sup> expression	<i>Prdm1</i> <sup>fl/gfp</sup> expression	Adjusted P.Value	Blimp-1 bound
Kit	16590	4.3	1.2	1.46E-04	
Dgkg	110197	4.6	1.3	9.26E-05	
Spon1	233744	36.1	9.3	2.19E-05	x
Hist1h1c	50708	81.4	20.5	1.30E-05	x
Ier2	15936	195.5	47.0	2.18E-05	x
Egr1	13653	184.2	43.2	9.20E-08	
Cd69	12515	46.0	10.5	1.92E-04	x
Irs2	384783	27.3	6.1	6.70E-07	
Chac1	69065	38.6	8.5	2.39E-06	
Dusp4	319520	4.6	1.0	3.56E-04	x
Ctsk	13038	82.9	17.4	5.42E-07	
Cd209f	69142	4.5	0.9	2.20E-02	
Mmp9	17395	31.4	6.5	9.49E-07	
Egr3	13655	9.7	1.9	3.02E-03	x
Egr2	13654	18.5	3.5	1.04E-04	x
Gm4242	100043120	85.1	15.9	5.24E-05	
Pgam2	56012	19.4	3.4	6.02E-06	

**Supplementary Table 2.** UPR gene regulation by Blimp-1 and Xbp1.

Fold change in expression of the UPR genes for BM PCs from *Prdm1<sup>fl/gfp</sup>Cre<sup>ERT2</sup>* versus *Prdm1<sup>+gfp</sup>Cre<sup>ERT2</sup>* and *Xbp1<sup>fl/fl</sup>Prdm1<sup>+gfp</sup>Cre<sup>ERT2</sup>* versus *Xbp1<sup>+/+</sup>Prdm1<sup>+gfp</sup>Cre<sup>ERT2</sup>* mice, as described in **Fig. 5c, 6g** and **Supplementary Fig. 4a**. Genes are categorized according to the function their encoded protein is involved in. The right column indicates if ChIPseq has revealed Prdm1 binding site(s).

	FC <i>Prdm1<sup>fl/gfp</sup></i> vs <i>+gfp</i>	FC <i>Xbp1<sup>fl/fl</sup></i> vs <i>+/+</i>	Blimp-1 bound
<b>transcription</b>			
Nfya	1.26	1.18	
Ddit3	0.93	1.28	
Nfyb	0.9	1.04	
Atf6b	0.8	0.33	
Atf6	0.68	0.96	x
Atf4	0.63	0.89	
Xbp1	0.53		
Prdm1		1.68	
<b>signaling</b>			
Mbtps2	1.05	1.05	
Eif2ak3	0.99	0.36	x
Mbtps1	0.9	1.32	
Eif2a	0.9	1.65	x
Ppp2r5a	0.77	1.03	
Ppp2r5b	0.68	0.77	
Ppp1r15a	0.67	0.67	x
Ern1	0.59	2.6	x
<b>protein folding</b>			
Txndc12	1.34	2.42	
Canx	1.13	0.91	x
Dnajc10	1.09	0.31	x
Pdia3	0.99	0.75	x
Ero1l	0.9	2.32	
Ero1b	0.87	0.2	
Hsp90b1	0.84	1	x
Dnajb9	0.83	0.06	
Dnajc13	0.83	0.99	x
Pdia4	0.82	1.71	x
Erp44	0.81	0.12	x
P4hb	0.8	0.38	x
Hspa5	0.79	1.18	x
Fkbp4	0.78	0.65	
Manf	0.78	0.45	x
Calr	0.74	1.24	
Pdia6	0.74	0.78	
Hyou1	0.71	0.17	
Dnajc3	0.7	0.13	x
Dnajb11	0.63	0.22	
Fkbp2	0.57	0.55	
Creld2	0.47	0.39	
Fkbp11	0.41	0.05	

Txndc5	0.37	0.68	
<b>misfolded protein degradation</b>			
Derl2	0.96	0.65	
March6	0.92	0.57	
Derl1	0.86	0.87	x
Amfr	0.85	0.69	
Vcp	0.82	0.63	
Ppib	0.81	1.47	
Sil1	0.79	0.47	x
Herpud1	0.66	0.44	
Edem2	0.66	0.29	
Sel1l	0.6	1.19	
Derl3	0.59	0.35	
Edem3	0.54	0.57	x
Syvn1	0.54	0.49	x
Edem1	0.43	0.77	
<b>Post-translational modification</b>			
Uggt1	1.34	0.51	x
Man2b1	1.01	0.52	x
Alg12	0.97	0.65	
Mpdu1	0.93	1.32	
Man1a	0.89	0.62	x
Dpm3	0.89	0.84	
Fut8	0.88	0.83	x
Extl3	0.88	0.67	
Man2b2	0.87	0.3	x
Man2c1	0.87	2.11	
Man1c1	0.86	0.62	x
Ddost	0.85	0.43	x
Alg9	0.85	0.81	
Man2a2	0.84	0.52	
Dpagt1	0.75	0.35	x
Alg1	0.73	0.39	
Alg10b	0.73	0.89	
Alg11	0.73	0.43	
Man2a1	0.71	1.26	x
Alg2	0.7	0.37	
Dhdds	0.7	0.39	
Alg8	0.7	1.55	
Man1b1	0.69	0.74	x
Alg5	0.68	0.85	x
Alg14	0.68	0.61	x
Alg3	0.61	1.4	
Man1a2	0.61	1.03	x
Alg6	0.58	0.72	
<b>ER targeting and translocation</b>			
Serp1	0.94	0.38	x
Ssr1	0.85	0.73	
Tpst1	0.81	1.08	
Ssr3	0.75	0.34	
Srp54c	0.74	0.46	

Ssr4	0.71	0.28	
Sec61a1	0.7	0.3	x
Ssr2	0.68	0.98	x
Rpn1	0.68	0.15	
Srpr	0.65	0.32	
Wfs1	0.63	0.59	
Srprb	0.59	0.44	
Slc33a1	0.53	0.41	x
Tram2	0.4	0.97	x
Tpst2	0.33	0.64	
<b>ER-golgi trafficking</b>			
Sec24b	1.07	1	x
Sec24c	0.88	0.84	x
Lman2	0.85	0.5	
Mcf2	0.83	0.35	x
Gosr2	0.82	0.59	
Arf1	0.8	0.78	
Sec16a	0.8	0.71	
Dctn1	0.79	0.97	
Sar1a	0.78	0.62	
Sar1b	0.77	0.88	
Sec23b	0.77	0.35	x
Sec13	0.76	1.07	
Arfgap1	0.74	1.16	
Sec31a	0.74	0.81	
Preb	0.73	0.34	x
Arfgap3	0.71	0.27	
Sec23a	0.64	0.97	
Arcn1	0.62	0.55	x
Lman1	0.58	0.62	x
Sec24d	0.57	0.24	
Ergic1	0.54	0.71	
Sec24a	0.51	0.98	

**Supplementary Table 3.** Differentially expressed genes after *Xbp1* inactivation. Gene expression in BM PCs from *Xbp1<sup>fl/fl</sup>Prdm1<sup>+/-</sup>gfp<sup>CreERT2</sup>* versus *Xbp1<sup>+/+</sup>Prdm1<sup>+/-</sup>gfp<sup>CreERT2</sup>* mice as described in **Fig. 6**.

Symbol	EntrezID	<i>Xbp1<sup>+/+</sup></i> expression	<i>Xbp1<sup>fl/fl</sup></i> expression	Adjusted P.Value
Tsc22d1	21807	0.75	14.85	9.38E-04
Slc7a3	11989	4.81	62.32	6.58E-04
Smpd3b	100340	0.59	7.01	9.06E-03
Atp1b1	11931	28.02	297.75	1.20E-03
Ifitm1	68713	0.58	5.57	3.58E-02
Cd36	12491	2.92	27.44	1.14E-03
Rnase2b	54159	1.69	12.88	2.37E-02
Dpp4	13482	3.51	23.01	1.40E-03
Zfp365	216049	0.85	5.19	3.08E-02
Cox6a2	12862	13.75	80.60	1.59E-02
Acot7	70025	1.67	8.47	7.69E-03
Apmap	71881	53.64	266.26	3.59E-04
Crim1	50766	1.29	6.40	2.05E-02
Bub1	12235	1.26	6.09	1.09E-02
Gpr133	321019	2.51	12.04	1.49E-02
Psmc3ip	19183	2.80	13.05	2.55E-02
Gsto1	14873	8.68	40.33	1.87E-03
Ly6d	17068	835.58	3782.32	4.24E-04
Cyp39a1	56050	1.20	5.34	1.89E-02
Serpinc1	11905	1.79	7.93	1.17E-02
Cdea7	66953	1.00	4.27	4.84E-02
Spag5	54141	1.32	5.60	3.47E-02
Vegfa	22339	4.37	18.34	1.08E-02
Sgol1	72415	1.12	4.60	2.43E-02
Ncstn	59287	49.30	199.32	6.93E-04
Arg1	11846	2.78	11.20	2.00E-02
Pigs	276846	20.03	80.61	7.48E-04
Rad51ap1	19362	1.22	4.88	4.96E-02
Dtl	76843	2.09	8.33	1.77E-02
Ska3	219114	1.51	5.96	2.27E-02
Pole2	18974	2.36	9.31	3.38E-02
Pole	18973	1.16	4.54	1.67E-02
Chaf1b	110749	1.24	4.73	4.14E-02
NA	100861774	4.90	18.55	1.42E-02
Cenpt	320394	1.26	4.71	4.37E-02
Smim3	106878	1.65	6.16	2.66E-02
Itgam	16409	5.37	19.85	8.23E-03
Ncapg	54392	7.31	27.01	4.02E-03
S1pr1	13609	2.93	10.57	2.01E-02
Snhg5	72655	8.83	31.89	1.84E-02
Epcam	17075	79.59	284.03	1.49E-03
Sgpp2	433323	2.88	10.16	1.15E-02
Cer10	12777	42.75	146.66	1.90E-03
Rnase4	58809	1.37	4.69	3.96E-02
Tmsb10	19240	14.32	48.31	6.51E-03
Kif11	16551	4.78	16.09	3.15E-02
Rpia	19895	126.84	422.70	9.45E-04
Atf5	107503	68.79	225.76	5.86E-03
Spc24	67629	3.44	11.20	3.85E-02
Cnpy4	66455	4.79	15.47	5.73E-03
Shcbp1	20419	2.23	7.17	3.64E-02
Ctsh	64138	178.34	572.55	7.98E-04
Gimap7	231932	21.93	69.81	1.33E-02
Vim	22352	32.57	103.10	3.07E-03
Plxna1	18844	1.95	6.14	1.85E-02
Nusap1	108907	5.69	17.78	1.51E-02
Ncapg2	76044	21.56	67.34	3.85E-03
Ilsra	16192	6.94	21.64	4.11E-02
Cd48	12506	87.39	271.77	1.70E-03
Scepep1	74617	75.66	235.00	9.39E-04
Tg	21819	2.09	6.47	2.66E-02
Cep89	72140	2.59	7.97	2.76E-02

Symbol	EntrezID	<i>Xbp1<sup>+/+</sup></i> expression	<i>Xbp1<sup>fl/fl</sup></i> expression	Adjusted P.Value
Ripk3	56532	1.99	6.08	2.08E-02
Ndc80	67052	1.65	4.94	4.92E-02
Rbbp8	225182	4.28	12.79	6.52E-03
Mem5	17218	9.39	27.98	1.68E-02
Hsd11b1	15483	54.25	159.77	9.59E-03
Sqle	20775	6.13	17.95	8.80E-03
Psat1	107272	22.35	65.42	2.37E-03
Tpx2	72119	3.79	11.02	4.34E-02
Glipr1	73690	215.81	624.52	1.25E-03
Lrpap1	16976	19.42	55.75	1.40E-03
Kit	16590	2.22	6.36	1.00E-02
Siglecg	243958	11.00	31.19	6.27E-03
Ccr9	12769	4.07	11.50	1.10E-02
Fyn	14360	10.27	29.03	1.58E-02
Ckap2l	70466	3.05	8.61	4.70E-02
1500012f01Rik	68949	8.86	24.90	3.08E-02
Cnot6	104625	27.74	77.66	1.81E-02
Hells	15201	4.72	13.20	3.14E-02
Kif4	16571	1.87	5.22	4.35E-02
Ncaph	215387	4.48	12.46	2.46E-02
Arl4c	320982	1.73	4.80	2.03E-02
Dhfr	13361	1.66	4.57	1.50E-02
Klrg2	74253	2.33	6.39	2.76E-02
Polr1	18968	2.48	6.79	2.49E-02
Dhcr24	74754	6.02	16.47	2.98E-03
Mem3	17215	10.71	29.22	2.59E-02
A130040M12Rik	319269	135.13	367.98	1.80E-02
Cd40	21939	5.41	14.71	4.38E-02
Prim1	19075	6.64	18.05	2.47E-02
Ly6e	17069	1275.78	3448.93	2.05E-03
Dnmt1	13433	13.51	36.42	3.02E-03
Ggh	14590	51.87	139.63	2.28E-02
Alpl	11647	19.75	53.07	2.19E-03
Ipmk	69718	8.37	22.37	4.88E-03
Dstn	56431	12.89	34.42	2.29E-02
2310061104Rik	69662	5.93	15.71	2.50E-02
Epsti1	108670	3.65	9.65	2.37E-02
Top2a	21973	20.62	54.51	2.05E-02
Sgk3	170755	10.42	27.41	1.14E-02
Aldoc	11676	6.31	16.59	2.08E-02
Gas5	14455	17.81	46.69	7.69E-03
Psph	100678	20.07	52.50	7.95E-03
2810417H13Rik	68026	9.49	24.74	4.70E-02
Cdc25b	12531	8.19	21.33	2.68E-02
Cd320	54219	4.94	12.86	3.03E-02
Cdca3	14793	11.27	29.30	1.97E-02
Ern1	78943	71.47	185.55	1.06E-02
Gm10051	100039731	102.07	264.58	1.56E-02
Gpr174	213439	4.09	10.56	1.79E-02
Lhpp	76429	7.40	18.97	1.20E-02
A530040E14Rik	621875	51.13	130.84	2.57E-03
Lmb1	16906	15.54	39.61	3.42E-02
Golm1	105348	1.89	4.74	3.69E-02
Ifitm3	66141	29.13	72.36	4.03E-02
Gm8942	668041	161.64	400.16	2.02E-02
Prr11	270906	2.55	6.32	2.28E-02
Aspm	12316	2.01	4.96	1.62E-02
Srgn	19073	691.46	1701.96	2.85E-03
Bcl2l1	12048	9.65	23.75	1.00E-02
Pkm	18746	78.55	193.10	3.94E-03
Trp53i13	216964	8.28	20.34	3.47E-02
Rcsd1	226594	8.79	21.56	2.49E-02
Bzw2	66912	7.49	18.27	1.48E-02
Acp5	11433	26.05	63.56	1.37E-02
Ikbip	67454	7.14	17.31	3.67E-03
Txndc12	66073	21.46	51.82	6.49E-03
Prc1	233406	7.36	17.76	2.90E-02
H2-Eb2	381091	16.64	40.10	4.84E-03
A630001G21Rik	319997	21.06	50.38	1.48E-02
Mms22l	212377	2.01	4.77	4.74E-02
Pigx	72084	17.45	41.34	1.47E-02
Fkbp5	14229	3.54	8.35	1.38E-02
Txndc16	70561	20.73	48.84	8.85E-03



Symbol	EntrezID	<i>Xbp1</i> <sup>+/+</sup> expression	<i>Xbp1</i> <sup>n/n</sup> expression	Adjusted P.Value
D10Wsu102e	28109	14.20	33.24	3.02E-03
5830418P13Rik	100529079	7.24	16.94	3.30E-02
Aire	11634	4.08	9.47	4.56E-02
Ero11	50527	15.71	36.38	9.46E-03
Pim2	18715	74.51	172.01	2.76E-03
H2-DMa	14998	40.21	92.48	1.84E-02
Slc28a2	269346	4.12	9.48	1.90E-02
Stard5	170460	34.24	78.08	2.86E-03
Sp110	109032	18.08	41.08	7.69E-03
Arhgap4	171207	7.56	17.17	1.09E-02
Ppt1	19063	130.44	295.82	2.86E-03
Cntnap1	53321	3.82	8.64	9.89E-03
Pigf	18701	6.41	14.48	3.85E-02
Rps19	20085	76.93	173.55	4.57E-02
Pabpc1	18458	167.69	377.08	4.56E-03
Rps26	27370	141.07	316.75	2.16E-02
Ncapd2	68298	12.14	27.18	2.77E-02
Mcm4	17217	9.31	20.66	3.25E-02
Rfc4	106344	8.79	19.49	3.08E-02
Topbp1	235559	12.78	28.26	2.10E-02
Whsc1	107823	3.67	8.08	2.51E-02
Bsg	12215	184.32	404.42	5.18E-03
Slamf6	30925	11.52	25.28	8.85E-03
Hcls1	15163	46.93	102.90	3.02E-03
Lig1	16881	8.47	18.58	3.46E-02
Tmem97	69071	5.69	12.37	3.69E-02
Acap1	216859	14.89	32.34	9.46E-03
Rpl7	19989	487.28	1056.64	9.04E-03
Funde2	67391	13.06	28.24	7.69E-03
Suv39h1	20937	4.81	10.39	4.50E-02
Gusb	110006	84.84	183.00	3.07E-03
Lynx1	23936	6.75	14.54	7.64E-03
Rps2	16898	129.11	277.42	1.55E-02
H2-K1	14972	1980.43	4249.99	4.56E-03
Gm9835	100040018	15.49	33.18	1.93E-02
Gm10052	654467	75.53	160.92	1.30E-02
Tipin	66131	15.69	33.43	1.38E-02
Snhg1	83673	28.12	59.65	4.70E-02
Tcf19	106795	6.16	13.06	3.08E-02
Slc43a3	58207	14.15	29.94	3.34E-02
Man2c1	73744	19.97	42.20	4.88E-03
B4gal1	14595	26.99	57.02	3.88E-03
Hsd17b12	56348	18.01	38.01	5.85E-03
Rpl27a	26451	29.14	61.42	1.72E-02
Raph1	77300	5.44	11.42	2.86E-02
Emc1	230866	4.92	10.32	2.64E-02
Gm12191	666899	175.57	367.71	1.25E-02
Rps11	27207	782.62	1635.64	5.36E-03
Gimap8	243374	10.38	21.66	1.14E-02
Zyx	22793	24.73	51.44	6.51E-03
Ctsa	19025	34.28	71.24	3.24E-03
Rnaset2b	68195	75.15	155.86	2.34E-02
Ifi30	65972	36.58	75.83	3.17E-02
Pepp1	23980	25.71	53.08	3.01E-02
Eef1a1	13627	2152.12	4433.52	4.56E-03
Ptprcap	19265	138.63	285.47	3.15E-02
Gm11478	100504632	748.19	1540.21	8.85E-03
Rpl4	67891	629.48	1293.51	3.28E-03
Ncl	17975	55.58	114.04	9.17E-03
Rtel1	269400	5.10	10.44	2.65E-02
Bcap31	27061	95.97	196.34	8.85E-03
Rasgrp2	19395	7.23	14.75	1.65E-02
Cd79b	15985	604.65	1230.74	5.10E-03
Rap1gap2	380711	8.93	18.17	9.48E-03
Gm9457	669393	64.75	131.32	2.86E-02
Rps15a	267019	29.84	60.45	2.08E-02
Gm12174	620678	228.79	463.39	1.20E-02
Rps7	20115	105.00	212.53	2.72E-02
St3gal6	54613	13.17	26.66	1.10E-02
H2-D1	14964	974.95	1971.90	4.88E-03
Rexo2	104444	571.47	1151.30	4.04E-03
Pon2	330260	89.63	180.57	7.69E-03
Cldn7	53624	10.59	21.30	4.70E-02

Symbol	EntrezID	<i>Xbp1</i> <sup>+/+</sup> expression	<i>Xbp1</i> <sup>n/n</sup> expression	Adjusted P.Value
Gpatch2	67769	11.10	22.33	1.59E-02
Sp140	434484	32.63	65.35	6.51E-03
Lmnb2	16907	3.96	7.92	4.65E-02
Txndc15	69672	28.16	56.31	1.61E-02
Rnaset2a	100037283	80.52	161.00	1.72E-02
Enpp1	18605	97.01	193.62	6.37E-03
Slc38a10	72055	74.17	37.25	3.97E-03
Evc	59056	27.43	13.77	9.00E-03
Dnajb2	56812	12.09	6.06	2.10E-02
Coro2b	235431	34.52	17.28	1.20E-02
Spg20	229285	12.30	6.15	9.06E-03
Fam117b	72750	14.14	7.02	1.09E-02
Lman2	66890	132.67	65.87	4.47E-03
Dusp3	72349	8.87	4.40	1.48E-02
Srp9	27058	103.92	51.51	1.52E-02
Myzap	102371	18.93	9.37	3.17E-02
Gm12060	100134990	33.89	16.78	4.63E-02
Casc4	319996	5.35	2.65	3.40E-02
Dnajc16	214063	7.82	3.87	1.82E-02
Clpb	20480	13.14	6.50	1.48E-02
Fdps	110196	11.61	5.74	4.79E-02
Tmed3	66111	109.90	54.04	1.93E-02
Gedh	270076	17.52	8.61	3.80E-02
Otd1	71198	8.13	3.99	4.66E-02
Tbl2	27368	17.46	8.56	5.59E-03
Srp54a	24067	4.53	2.22	3.39E-02
Nrros	224109	22.95	11.24	2.12E-02
Syvn1	74126	185.24	90.66	6.15E-03
Tpd52	21985	55.76	27.27	5.05E-03
Cdk16	18555	29.92	14.63	7.69E-03
Hcfc2	67933	20.59	10.05	3.06E-02
Itgav	16410	9.15	4.45	1.06E-02
Tssc4	56844	36.64	17.81	2.53E-02
B2m	12010	8468.71	4114.35	5.30E-03
Ufc1	66155	80.70	39.16	1.10E-02
Snd1	56463	193.32	93.70	3.02E-03
Ltb	16994	29.55	14.31	3.51E-02
Rappel2	76089	5.47	2.65	4.74E-02
Bmf	171543	16.86	8.16	4.52E-02
Fam73a	215708	13.39	6.48	1.15E-02
Cep250	16328	21.99	10.61	3.35E-02
Shpk	74637	6.18	2.96	3.32E-02
Dusp7	235584	14.81	7.10	1.10E-02
Slc35b1	110172	149.22	71.35	9.46E-03
Slc35e1	270066	25.33	12.11	3.67E-03
Zbtb4	75580	15.56	7.44	1.36E-02
Tmem173	72512	61.55	29.38	6.90E-03
Nudt22	68323	32.00	15.26	3.51E-02
Hs2st1	23908	7.46	3.55	1.50E-02
Papss1	23971	13.48	6.41	8.50E-03
Fam132a	67389	13.35	6.34	4.14E-02
Cnst	226744	42.94	20.37	1.48E-02
Card6	239319	11.86	5.62	1.93E-02
Trp53i1	277414	143.10	67.68	3.49E-03
Mlycd	56690	13.67	6.46	1.58E-02
Cd99l2	171486	6.76	3.19	1.59E-02
Ergic2	67456	32.31	15.23	4.07E-03
Kremen1	84035	19.87	9.37	4.41E-03
Sil1	81500	124.93	58.54	9.04E-03
Srp68	217337	84.75	39.70	3.97E-03
Ufm1	67890	27.19	12.73	3.43E-03
Ssh1	231637	7.40	3.45	3.61E-02
Nacc2	67991	14.45	6.73	6.39E-03
Pink1	68943	104.30	48.32	7.43E-03
Mia3	338366	66.29	30.68	2.86E-02
Hist1hc	50708	38.30	17.71	2.40E-02
Oat	18242	46.57	21.51	5.77E-03
Zecch24	71918	5.05	2.33	1.35E-02
Pdcd1lg2	58205	12.37	5.71	4.70E-02
AI662270	100043636	255.40	117.69	2.57E-03
Deun1d4	100737	5.92	2.72	1.81E-02
Mocos	68591	5.89	2.70	1.83E-02
Macrodl	107227	10.31	4.71	4.01E-02

Symbol	EntrezID	<i>Xbp1</i> <sup>+/+</sup> expression	<i>Xbp1</i> <sup>fl/fl</sup> expression	Adjusted P.Value
Slc1a5	20514	67.25	30.66	6.36E-03
Srp54c	100101806	40.01	18.23	1.26E-02
Zscan26	432731	37.78	17.21	1.04E-02
Plin3	66905	37.48	17.04	9.83E-03
Yipf2	74766	41.93	19.01	1.04E-02
Pou2f2	18987	22.29	10.11	1.68E-02
Kif16b	16558	17.16	7.78	4.11E-02
Cede134	76457	37.80	17.10	8.80E-03
Tasp1	75812	4.60	2.08	4.70E-02
Kbtbd11	74901	16.06	7.25	1.07E-02
Cbx4	12418	35.52	15.98	2.78E-03
Gmnds	218138	25.85	11.61	1.91E-02
Srm	20810	74.50	33.43	8.55E-03
Chpf2	100910	39.98	17.92	3.85E-03
Tlr7	170743	9.53	4.27	4.08E-02
Manf	74840	356.19	159.47	6.63E-03
Arf4	11843	323.81	144.88	2.08E-03
Tnfrsf10	22035	16.30	7.29	1.59E-02
Stu3b	68292	138.75	61.90	3.65E-03
March9	216438	8.57	3.82	4.66E-02
Cxcr3	12766	25.59	11.40	3.20E-02
Cede127	67433	9.61	4.27	5.67E-03
Ubxn4	67812	89.79	39.91	9.23E-03
Qrt1	60507	11.16	4.95	3.59E-02
Tmed2	56334	155.55	68.91	6.76E-03
Mt1	17748	310.35	137.20	4.09E-02
Rrbp1	81910	151.59	67.00	1.82E-02
Daglb	231871	6.01	2.66	2.76E-02
Herpud1	64209	839.49	369.64	5.47E-03
Snn	20621	48.61	21.39	7.43E-03
Ddrgk1	77006	128.05	56.34	1.02E-02
Tbcd1d15	66687	33.11	14.57	8.17E-03
Glee	93683	6.74	2.96	1.86E-02
Slc52a2	52710	12.83	5.64	3.35E-02
Atraid	381629	83.07	36.39	1.45E-02
Bbs2	67378	6.45	2.82	2.68E-02
Suox	211389	4.31	1.89	4.45E-02
Prg2	19074	1763.33	767.31	2.08E-02
Srprb	20818	88.68	38.59	2.68E-03
Alg11	207958	14.17	6.16	6.26E-03
Zswim1	71971	9.93	4.31	1.65E-02
Kenmb4	58802	34.29	14.85	3.59E-02
Zbtb42	382639	11.18	4.83	1.97E-02
Lamc1	226519	17.83	7.70	5.88E-03
Ptpre	19267	18.35	7.91	8.45E-03
Irak1	16179	77.09	33.19	2.57E-03
Abcb6	74104	11.46	4.92	1.58E-02
Smco4	170748	14.80	6.34	3.99E-02
Rapgef3	223864	39.06	16.73	2.64E-03
Pomgnt1	68273	26.01	11.13	3.40E-03
Serpina3f	238393	65.98	28.18	3.20E-02
Bag3	29810	5.30	2.26	1.72E-02
Gorasp1	74498	9.34	3.99	8.02E-03
Ddost	13200	388.23	165.42	1.87E-03
Adk	11534	115.00	48.97	1.96E-03
C2cd2l	71764	15.87	6.76	8.17E-03
BC003331	226499	59.38	25.18	1.41E-02
Spes3	76687	311.81	132.03	2.23E-03
Cnpy3	72029	20.42	8.63	1.02E-02
Rusc1	72296	20.08	8.47	1.09E-02
Fam212a	68176	13.44	5.66	3.55E-02
Wbp5	22381	93.76	39.39	2.78E-03
Tulp3	22158	7.23	3.04	2.58E-02
Elmod2	244548	12.43	5.21	9.06E-03
Ebi3	50498	20.69	8.67	1.79E-02
Slc17a9	228993	22.53	9.43	1.37E-02
Etnk1	75320	175.35	73.36	1.00E-02
Cop2	56358	29.67	12.41	2.68E-02
Spes2	66624	310.13	129.62	1.70E-03
Abca2	11305	4.26	1.78	1.79E-02
Tor4a	227612	35.50	14.78	2.86E-03
Nab2	17937	6.96	2.90	2.65E-02
Cep44	382010	18.51	7.70	3.48E-02

Symbol	EntrezID	<i>Xbp1</i> <sup>+/+</sup> expression	<i>Xbp1</i> <sup>fl/fl</sup> expression	Adjusted P.Value
Cnpy2	56530	171.16	71.15	5.84E-03
Ide	15925	46.67	19.37	2.93E-03
Idua	15932	14.91	6.18	5.14E-03
Pkd2l2	53871	16.42	6.78	6.15E-03
4933421010Rik	100504166	15.40	6.36	5.86E-03
Gm21540	100862175	85.13	35.14	1.37E-02
Dusp14	56405	13.19	5.44	3.72E-02
Ctage5	217615	48.35	19.94	7.77E-03
Slc33a1	11416	82.56	34.01	2.10E-03
Nuggc	100503545	43.96	18.11	8.45E-03
Rnf185	193670	29.19	12.01	2.78E-03
Ppapdc2	74411	9.11	3.74	1.65E-02
Ick	56542	5.51	2.26	5.73E-03
Ralgds	19730	31.85	13.04	3.24E-03
Vimp	109815	141.22	57.80	2.86E-03
Grn	14824	256.74	104.94	2.06E-03
Odc1	18263	74.45	30.35	8.80E-03
Gca	227960	19.38	7.86	7.12E-03
Rilpl1	75695	9.48	3.84	8.80E-03
Fpgs	14287	15.27	6.13	1.02E-02
Clptm11	218335	427.04	171.22	1.92E-03
Gnptg	214505	29.64	11.86	1.06E-02
Aldh6a1	104776	8.58	3.43	1.29E-02
Wnt10a	22409	32.34	12.92	1.02E-02
Kdm6b	216850	6.19	2.47	1.02E-02
Wdyhv1	76773	17.39	6.94	1.51E-02
Pla2g6	53357	15.94	6.36	2.78E-03
Mfsd11	69900	14.42	5.75	3.90E-03
Harbil	241547	11.52	4.59	1.33E-02
Scimp	327957	17.80	7.08	3.11E-02
Gstt3	103140	8.09	3.22	3.13E-02
Ptpn21	24000	6.81	2.71	1.53E-02
Nxn	18230	5.98	2.38	2.46E-02
Pycr2	69051	28.34	11.25	5.67E-03
Slc39a7	14977	179.38	70.95	1.51E-03
Prdx4	53381	541.95	214.24	1.76E-03
Intu	380614	5.10	2.01	3.48E-02
Clec2i	93675	23.34	9.18	2.18E-02
Mbnl2	105559	40.98	16.12	3.30E-03
Crelid2	76737	703.79	276.37	3.24E-03
Coq10b	67876	10.25	4.02	2.05E-02
Tmem39a	67846	39.44	15.42	2.10E-03
BC004004	80748	71.51	27.84	3.30E-03
Lrrc16a	68732	4.56	1.76	3.20E-02
Dhdds	67422	50.37	19.47	3.97E-03
Alg1	208211	23.75	9.18	1.36E-02
Uso1	56041	163.92	63.30	8.68E-03
Evi2a	14017	94.12	36.26	2.82E-03
Blvra	109778	20.13	7.70	5.10E-03
Spns3	77577	33.48	12.78	6.15E-03
Serp1	28146	1511.28	574.71	2.85E-03
Srms	20811	10.03	3.79	1.84E-02
P4hb	18453	411.42	155.28	1.84E-03
Sec63	140740	66.09	24.76	2.55E-03
Alg2	56737	47.27	17.70	3.28E-03
B3galt4	54218	13.30	4.95	1.58E-02
Atg13	51897	31.87	11.85	1.86E-03
Sgsm3	105835	6.89	2.56	7.11E-03
Vmac	106639	18.15	6.69	1.93E-02
Gbp5	229898	14.70	5.41	6.39E-03
Parvb	170736	4.25	1.57	9.56E-03
Txlnb	378431	9.70	3.55	3.06E-02
Spes2-ps	668896	51.20	18.72	5.85E-03
Tada2b	231151	17.35	6.33	3.67E-03
Hdlbp	110611	262.25	95.54	1.03E-02
Nedd4	17999	30.03	10.91	6.15E-03
Eif2ak3	13666	56.24	20.24	3.07E-03
Gm10177	100042561	236.46	85.07	1.06E-02
Slc31a1	20529	27.05	9.70	1.65E-03
Tmem241	338363	4.47	1.60	3.51E-02
Rpn2	20014	306.96	109.61	9.88E-04
Scfd2	212986	8.94	3.18	1.97E-02
Tmem170	66817	16.37	5.81	2.55E-02

Symbol	EntrezID	<i>Xbp1</i> <sup>+/+</sup> expression	<i>Xbp1</i> <sup>fl/fl</sup> expression	Adjusted P.Value
Ctsh	13036	58.05	20.61	7.69E-03
Ank	11732	9.52	3.37	7.45E-03
Sec23b	27054	76.77	27.18	1.40E-03
Derl3	70377	627.29	221.14	2.19E-03
E330020D12Rik	626058	5.59	1.96	4.70E-02
Saraf	67887	192.06	67.41	2.04E-03
Zfp324	243834	7.19	2.52	2.68E-02
Rab3a	19339	11.09	3.88	9.48E-03
Mgat2	217664	105.71	36.88	1.10E-03
Dpagt1	13478	46.85	16.31	3.97E-03
Gpr65	14744	28.75	10.01	1.65E-03
Mcf2	193813	56.92	19.74	1.25E-03
Ly6c1	17067	35.08	12.11	1.51E-02
Preb	50907	40.13	13.83	1.10E-03
Slc30a5	69048	68.20	23.45	1.06E-03
Tmem208	66320	67.18	23.09	1.17E-02
BC061194	381350	17.33	5.94	1.01E-02
Zscan22	232878	8.22	2.81	3.42E-02
Six5	20475	5.27	1.80	1.02E-02
Kif19a	286942	5.36	1.82	2.57E-02
Stim2	116873	7.71	2.62	5.38E-03
Sdf2l1	64136	363.52	123.31	2.91E-03
Ufn1	67490	38.00	12.88	3.02E-03
Peg13	353342	27.71	9.32	1.80E-03
Ssr3	67437	408.01	137.26	2.68E-03
Tes	21753	12.94	4.35	4.86E-03
Leprot	230514	36.42	12.18	2.03E-03
Gmppb	331026	44.28	14.81	2.06E-03
Laptn5	16792	269.77	89.94	1.06E-02
Nans	94181	55.81	18.54	2.42E-03
Entpd7	93685	6.37	2.10	3.88E-03
Cd200	17470	20.44	6.72	3.51E-03
Slpi	20568	6190.02	2035.66	2.42E-03
Ache	11423	8.33	2.73	1.68E-02
D8Erd82e	244418	5.24	1.72	1.32E-02
H2-T23	15040	468.11	152.40	9.51E-04
Att6b	12915	83.08	27.02	9.38E-04
Gpr108	78308	55.21	17.88	3.02E-03
Eml6	237711	7.98	2.58	5.05E-03
Zfp963	620419	7.44	2.40	1.42E-02
H2-T24	15042	75.56	24.24	2.42E-03
Ticam1	106759	25.52	8.12	1.96E-03
Pigg	433931	8.96	2.84	1.01E-02
Lpp	210126	7.46	2.36	8.80E-03
Spr	67398	235.11	74.21	9.05E-04
Tmem248	71667	97.02	30.58	9.66E-04
Pbxip1	229534	31.22	9.82	1.85E-03
Rhpn2	52428	11.82	3.71	4.80E-03
Tmem214	68796	115.83	36.29	6.58E-04
Yif1a	68090	49.66	15.55	7.20E-03
Slc17a5	235504	25.42	7.92	1.10E-03
Kcnmb4os2	100504412	39.90	12.42	2.28E-02
Thbd	21824	35.52	10.96	3.74E-03
Tspyl2	52808	16.18	4.99	2.57E-03
Nbas	71169	33.50	10.31	2.04E-03
Dnajc10	66861	51.27	15.76	9.38E-04
Fut4	14345	22.88	7.03	3.24E-03
Abhd4	105501	14.17	4.34	2.92E-03
Man2b2	17160	61.50	18.73	9.38E-04
Tram1	72265	312.70	94.66	7.98E-04
B3gnt8	232984	4.84	1.46	1.41E-02
Sec61a1	53421	407.37	123.00	6.33E-04
Cyb561d2	56368	13.35	4.03	1.82E-02
Slc30a7	66500	24.46	7.37	9.38E-04
H6pd	100198	10.87	3.28	4.23E-03
Tapbp	21356	201.35	60.34	9.43E-04
Paip2b	232164	30.56	9.13	3.07E-03
Ly6c2	100041546	2358.95	703.27	1.31E-03
Klhl21	242785	8.17	2.43	2.19E-03
Tmem150a	232086	16.83	4.99	1.14E-02
Kctd14	233529	8.09	2.40	2.98E-03
Aldh9a1	56752	66.74	19.57	6.38E-04
Ttc13	234875	42.77	12.54	9.30E-04

Symbol	EntrezID	<i>Xbp1</i> <sup>+/+</sup> expression	<i>Xbp1</i> <sup>fl/fl</sup> expression	Adjusted P.Value
Swsap1	66962	9.96	2.89	8.80E-03
Edem2	108687	654.37	188.27	4.24E-04
Sema6d	214968	12.27	3.52	9.39E-04
Cnm2	94219	5.01	1.42	6.95E-03
Napsa	16541	127.81	36.17	9.38E-04
Tex2	21763	11.77	3.32	2.98E-03
Kcnk5	16529	9.57	2.69	1.65E-03
Wrb	71446	4.22	1.18	1.37E-02
Bet1	12068	78.03	21.83	9.38E-04
Ergic3	66366	175.91	49.19	1.69E-03
Serpinc9	20723	9.60	2.68	3.53E-03
Bckdk	12041	71.56	19.96	1.96E-03
Matn2	17181	6.07	1.69	1.23E-02
Mzb1	69816	2758.49	766.88	9.38E-04
Ssr4	20832	1205.64	333.61	3.75E-04
Selm	114679	63.18	17.40	6.15E-03
Httip2	53415	60.63	16.56	1.70E-03
Arfgap3	66251	79.64	21.72	1.10E-03
Rpl36al	66483	519.30	141.58	2.10E-03
Rab20	19332	11.35	3.06	3.15E-02
Ripply3	170765	5.14	1.38	1.84E-02
Emilin1	100952	6.11	1.64	9.89E-03
Spns2	216892	4.39	1.18	6.27E-03
Haao	107766	11.87	3.17	6.78E-03
Slamf9	98365	41.20	10.90	2.04E-03
Armex3	71703	13.32	3.52	1.40E-03
Sec61g	20335	6.82	1.80	4.11E-02
Vps37c	107305	20.19	5.30	1.25E-03
Gylt1b	228366	5.66	1.47	6.94E-03
4930481A15Rik	74931	7.26	1.88	5.86E-03
Uba5	66663	91.26	23.55	7.48E-04
Prfl	18646	6.93	1.79	4.39E-02
Insig1	231070	32.32	8.22	1.55E-03
Lamp1	16783	182.64	46.43	3.24E-03
Kdml1b	218214	11.26	2.85	1.72E-03
Tmem238	664968	6.70	1.68	2.08E-02
Mturm	68235	6.68	1.68	1.52E-02
Chid1	68038	34.03	8.45	1.10E-03
Plbd2	71772	46.48	11.53	7.98E-04
Anxa9	71790	5.46	1.35	1.70E-02
Fam134c	67998	36.49	8.95	9.43E-04
Tspan17	74257	5.40	1.32	1.70E-02
Nfx11	100978	19.83	4.82	2.63E-03
Sec24d	69608	96.44	23.42	7.79E-04
Kank2	235041	4.33	1.05	2.19E-03
Impdh1	23917	39.34	9.53	6.33E-04
Creb3l1	26427	7.96	1.91	1.02E-02
Lgals3bp	19039	22.25	5.30	1.10E-02
Rrad	56437	19.55	4.63	8.75E-03
Cst3	13010	552.31	130.20	9.38E-04
Thns12	232078	8.83	2.06	2.49E-02
Gnaz	14687	8.38	1.95	4.83E-02
Trabd	67976	113.83	26.25	3.59E-04
Magt1	67075	92.40	21.14	5.10E-04
Gm19799	100503618	23.12	5.27	3.35E-02
Fied	231630	21.13	4.82	1.10E-03
Btla	208154	71.72	16.21	6.33E-04
Kdelr3	105785	17.66	3.99	1.70E-03
F8a	14070	12.38	2.80	4.40E-03
Dnajc12	30045	5.55	1.24	1.56E-02
Dnajb11	67838	207.65	46.20	3.59E-04
Mlec	109154	139.24	30.90	4.97E-04
Peer	111175	24.50	5.38	4.64E-03
Sec61b	66212	233.71	51.26	1.25E-03
Dpp7	83768	10.76	2.35	2.48E-03
Slc2a6	227659	8.86	1.92	6.15E-03
Pdk2	18604	12.82	2.76	8.25E-03
Cdl180	17079	48.86	10.41	1.76E-03
Vat1	26949	28.05	5.92	2.68E-03
Cyslr2	70086	8.97	1.88	5.56E-03
Hspa13	110920	78.90	16.54	3.59E-04
Sid2	214597	82.89	17.36	3.59E-04
Rab39b	67790	8.46	1.77	4.64E-03

Symbol	EntrezID	<i>Xbp1</i> <sup>+/+</sup> expression	<i>Xbp1</i> <sup>n/n</sup> expression	Adjusted P.Value
Gm2a	14667	52.69	10.88	1.96E-03
Rab6b	270192	4.98	1.02	1.50E-02
Qpct1	67369	49.28	10.04	7.98E-04
Qsox2	227638	13.67	2.72	1.43E-03
Rab3d	19340	40.24	7.95	3.65E-04
Dusp23	68440	5.41	1.07	1.06E-02
Ero1lb	67475	87.39	17.17	3.59E-04
Clec2g	70809	33.72	6.60	7.98E-04
Cped1	214642	5.26	1.02	1.41E-02
Slc35f5	74150	13.93	2.68	1.06E-03
Adss1l	11565	60.28	11.59	1.84E-03
Retsat	67442	9.72	1.85	2.10E-03
Kcnab2	16498	54.79	10.42	3.59E-04
Camk2a	12322	8.35	1.57	2.19E-03
Cib2	56506	37.51	7.05	2.74E-03
Bloc1s1	14533	43.71	7.94	1.06E-02
Plexd2	433022	9.66	1.73	4.88E-03
C1qtnf1	56745	10.90	1.91	1.76E-03
Hyou1	12282	298.88	52.10	6.38E-04
Hvcn1	74096	140.62	22.26	3.59E-04
Tex264	21767	32.86	5.15	9.45E-04
Isg20	57444	124.89	19.55	9.38E-04
Cyp4f18	72054	74.74	11.62	7.43E-03
Rpn1	103963	285.80	44.00	1.32E-04
Hgsnat	52120	17.35	2.66	9.43E-04
Smim14	68552	24.61	3.65	5.02E-03
Nucb1	18220	529.87	77.53	1.16E-04
Armxc2	67416	11.66	1.69	3.59E-04
AW011738	100382	8.82	1.28	1.40E-03
Fgl2	14190	29.24	4.20	1.33E-03
Ppapde1b	71910	148.04	20.29	3.59E-04
Dnajc3	100037258	249.63	33.40	3.59E-04
Cacna1s	12292	19.02	2.45	9.56E-04
Mrgpre	244238	9.14	1.15	1.40E-03
Lag3	16768	49.54	6.02	2.92E-03
Erp44	76299	138.12	15.93	7.04E-05
Atp9a	11981	26.13	2.94	1.25E-03
Wipf3	330319	8.10	0.87	2.85E-02
Gabra4	14397	7.60	0.79	5.38E-03
Serpini1	20713	17.23	1.67	9.38E-04
Fcrla	98752	338.44	31.79	3.59E-04
Itgb2	16414	157.17	14.19	1.33E-03
Nucb2	53322	27.22	2.44	9.38E-04
Myo1h	231646	6.36	0.56	7.64E-03
Bhlha15	17341	100.10	8.62	5.24E-05
Zfp9	22750	8.80	0.67	2.19E-03
Arhgef10	234094	5.90	0.42	9.38E-04
Dnajb9	27362	243.79	15.56	4.80E-05
Atat1	73242	52.85	3.23	7.04E-05
Guca1a	14913	4.00	0.23	2.26E-02
Fkbp11	66120	121.01	6.50	3.59E-04
Gpx3	14778	13.15	0.66	1.90E-03
Kcnk6	52150	20.53	1.01	4.17E-04
Gm6568	625253	63.56	2.94	3.59E-04
Ptges	64292	4.61	0.21	3.02E-03
Aldh1a2	19378	5.43	0.19	6.39E-03
LOC100504608	100504608	14.75	0.50	2.19E-03
Hid1	217310	91.74	2.04	4.45E-05