

Table S2. Genes containing nonsynonymous SNPs between B6.129-*Prnp*^{wt/wt} and B6.129-*Prnp*^{Zrchl/Zrchl} peritoneal macrophages sorted by chromosome location

Gene	Locus	Mean FPKM WT	Mean FPKM KO	Log ₂ fold change	P-value	q-value	Diff. expr. ¹	Phag. ²
<i>Ppfia4</i>	chr1:134296782-134332928	4.27	3.46	-0.30	0.08	0.83	-	-
<i>Cacna1s</i>	chr1:136052900-136119822	0.01	0.01	0.03	0.99	1.00	-	-
<i>Atp1a4</i>	chr1:172223507-172258424	0.00	0.00	0.00	1.00	1.00	-	-
<i>Mgat4a</i>	chr1:37439339-37536259	43.39	42.94	-0.01	0.92	1.00	-	-
<i>A530032D15Rik</i>	chr1:85088138-85109853	0.49	0.45	-0.10	0.83	1.00	-	-
<i>Heatr7b1</i>	chr1:88227019-88277579	0.11	0.08	-0.51	0.67	1.00	-	-
<i>B230118H07Rik</i>	chr2:101560780-101632528	3.39	3.73	0.14	0.57	1.00	-	-
<i>Hipk3, Mir1902</i>	chr2:104426481-104494489	26.64	26.82	0.01	0.94	1.00	-	-
<i>Qser1</i>	chr2:104754796-104816696	4.17	3.73	-0.16	0.30	1.00	-	-
<i>Thbs1</i>	chr2:118111921-118127133	707.41	365.26	-0.95	3.31E-03	0.10	-	+
<i>Eif2ak4</i>	chr2:118388616-118475234	7.03	3.86	-0.86	6.65E-07	8.50E-05	+	-
<i>Plcb2</i>	chr2:118707516-118728438	4.17	7.21	0.79	1.48E-06	1.74E-04	+	-
<i>Bahd1</i>	chr2:118901614-118924524	10.46	10.71	0.03	0.82	1.00	-	-
<i>Chst14</i>	chr2:118926496-118928583	7.12	7.03	-0.02	0.93	1.00	-	-
<i>Rpusd2</i>	chr2:119034789-119042197	1.15	1.09	-0.07	0.78	1.00	-	-
<i>Fam82a2</i>	chr2:119136997-119157034	10.50	12.22	0.22	0.20	1.00	-	-
<i>Zfyve19</i>	chr2:119172499-119217050	10.50	5.47	-0.94	8.84E-06	8.04E-04	+	-
<i>Chac1</i>	chr2:119351241-119354327	4.96	9.88	0.99	8.08E-06	7.66E-04	+	-
<i>Exd1</i>	chr2:119519403-119547627	0.06	0.57	3.25	4.83E-08	8.38E-06	+	-
<i>Ndufaf1</i>	chr2:119655450-119662798	5.66	5.75	0.02	0.93	1.00	-	-
<i>Rtf1</i>	chr2:119675067-119735407	9.52	10.03	0.08	0.61	1.00	-	-
<i>Rpap1</i>	chr2:119763958-119787537	4.26	3.87	-0.14	0.51	1.00	-	-
<i>Tyro3</i>	chr2:119799513-119818103	0.26	0.36	0.46	0.28	1.00	-	+
<i>Mga</i>	chr2:119897227-119969581	7.33	7.19	-0.03	0.85	1.00	-	-
<i>Mapkbp1</i>	chr2:119972698-120027403	2.70	2.28	-0.24	0.19	1.00	-	-
<i>Ganc</i>	chr2:120355308-120504919	2.61	3.00	0.20	0.50	1.00	-	-
<i>Tmem87a</i>	chr2:120355309-120404116	12.40	17.40	0.49	2.91E-03	0.09	-	-
<i>Zfp106</i>	chr2:120506829-120563831	30.17	29.02	-0.06	0.70	1.00	-	-
<i>Cdan1</i>	chr2:120716153-120731517	3.37	2.83	-0.25	0.16	1.00	-	-
<i>Ttbk2</i>	chr2:120732816-120850584	1.95	2.07	0.09	0.63	1.00	-	-
<i>Ubr1</i>	chr2:120850655-120970715	7.22	6.91	-0.06	0.66	1.00	-	-
<i>Tmem62</i>	chr2:120977061-121007842	9.92	9.71	-0.03	0.85	1.00	-	-
<i>Lcmt2</i>	chr2:121137291-121140698	4.63	3.57	-0.37	0.06	0.72	-	-
<i>Adal</i>	chr2:121142140-	4.12	5.20	0.34	0.12	1.00	-	-

	121156678								
Zscan29	chr2:121157426-121171149	7.73	8.38	0.12	0.42	1.00	-	-	
Trp53bp1	chr2:121196727-121271386	6.43	6.16	-0.06	0.76	1.00	-	-	
Mtap1a	chr2:121289601-121351013	0.32	0.88	1.44	1.70E-04	0.01	+	-	
Ppip5k1	chr2:121310561-121351013	3.88	6.49	0.74	2.35E-05	1.90E-03	+	-	
Wdr76	chr2:121506722-121544859	1.23	1.56	0.35	0.19	1.00	-	-	
Spg11	chr2:122053526-122118386	8.82	4.10	-1.10	2.39E-08	4.97E-06	+	-	
B2m	chr2:122120107-122186189	3019.43	2916.05	-0.05	0.84	1.00	-	-	
Slc28a2	chr2:122426476-122461130	2.33	3.88	0.73	4.63E-04	0.02	+	-	
Slc30a4	chr2:122681238-122702663	4.89	4.35	-0.17	0.32	1.00	-	-	
Pldn	chr2:122738504-122749487	9.33	11.75	0.33	0.03	0.49	-	-	
Sqrdl	chr2:122765358-122809551	94.96	122.34	0.37	0.01	0.24	-	-	
Usp8	chr2:126707327-126759314	38.70	36.02	-0.10	0.47	1.00	-	-	
2010106G01Rik	chr2:126890394-126933235	60.17	68.69	0.19	0.21	1.00	-	-	
Stard7	chr2:127270228-127298934	15.21	14.40	-0.08	0.60	1.00	-	-	
Mertk	chr2:128698996-128802188	45.87	44.28	-0.05	0.72	1.00	-	+	
Polr1b	chr2:129100995-129126595	4.97	4.75	-0.06	0.72	1.00	-	-	
Ckap2l	chr2:129268209-129297212	0.35	0.37	0.06	0.88	1.00	-	-	
Sirpa	chr2:129592838-129632228	356.34	375.60	0.08	0.73	1.00	-	+	
Vps16	chr2:130417683-130444269	14.78	13.95	-0.08	0.63	1.00	-	-	
Fam113a	chr2:130417684-130424641	5.37	7.02	0.39	0.14	1.00	-	-	
1110034G24Rik	chr2:132690282-132751055	7.69	6.97	-0.14	0.52	1.00	-	-	
Trmt6	chr2:132804214-132816054	9.42	8.63	-0.13	0.45	1.00	-	-	
Mkks	chr2:136873781-136891406	8.87	8.21	-0.11	0.55	1.00	-	-	
Rrbp1	chr2:143947394-144011263	68.09	60.61	-0.17	0.29	1.00	-	-	
8430406I07Rik	chr2:144271034-144281229	6.07	2.23	-1.45	1.95E-10	6.29E-08	+	-	
Rin2	chr2:145786115-145887616	62.96	49.07	-0.36	0.01	0.29	-	-	
Fam110a	chr2:151969397-151980219	6.05	5.31	-0.19	0.41	1.00	-	-	
Slc52a3	chr2:151996510-152009258	0.60	0.87	0.54	0.17	1.00	-	-	
Zcchc3	chr2:152411955-152415044	1.78	1.65	-0.11	0.70	1.00	-	-	
Rem1	chr2:152627007-152635191	0.69	0.99	0.52	0.23	1.00	-	-	
H13	chr2:152669460-152708668	20.03	19.08	-0.07	0.72	1.00	-	-	
Prex1	chr2:166566344-166713832	32.51	31.06	-0.07	0.64	1.00	-	-	
Gm14393	chr2:175061548-175067763	0.30	0.56	0.89	0.25	1.00	-	-	
Traf1	chr2:34943257-34961772	2.41	5.65	1.23	1.99E-07	3.05E-05	+	-	
LOC100038947	chr3:15795146-15848487	8.92	3.65	-1.29	1.19E-07	1.89E-05	+	-	
Srsf11	chr3:158010492-158036639	24.25	24.62	0.02	0.88	1.00	-	-	
Pip5k1a	chr3:95059595-95106858	12.33	13.67	0.15	0.35	1.00	-	-	

2010305A19Rik	chr4:108328151-108340718	4.13	4.13	0.00	1.00	1.00	-	-
Aldoart1	chr4:72850582-72852634	13.44	14.33	0.09	0.58	1.00	-	-
Gbp11	chr5:105323025-105346472	0.14	0.15	0.10	0.87	1.00	-	-
Fam20c	chr5:138755080-138810063	171.49	194.08	0.18	0.28	1.00	-	-
Smurf1	chr5:144876494-144965830	17.12	18.87	0.14	0.33	1.00	-	-
Fam193a	chr5:34369932-34486458	7.19	7.21	0.00	0.98	1.00	-	-
Igbp1b	chr6:138657091-138658444	0.00	0.00	0.00	1.00	1.00	-	-
4930544G11Rik	chr6:65952570-65954014	0.00	0.00	0.00	1.00	1.00	-	-
4931417E11Rik	chr6:73468572-73469667	0.00	0.00	0.00	1.00	1.00	-	-
Plxna1	chr6:89316313-89362613	38.42	36.78	-0.06	0.68	1.00	-	-
Iqsec1	chr6:90659597-90810123	18.34	16.96	-0.11	0.42	1.00	-	+
Atp2a1	chr7:126428766-126463073	0.03	0.05	0.88	0.69	1.00	-	-
Btbd1	chr7:81792073-81829431	11.13	12.06	0.12	0.46	1.00	-	-
Fut10	chr8:31187331-31261483	5.00	4.68	-0.10	0.68	1.00	-	-
Sugp1	chr8:70042812-70071953	12.57	11.95	-0.07	0.66	1.00	-	-
Pde4c	chr8:70724063-70751176	0.00	0.01	1.80e+308	0.16	1.00	-	-
Mast1	chr8:84911852-84937353	1.75	1.55	-0.18	0.45	1.00	-	-
Gnat1	chr9:107674473-107679592	0.02	0.02	0.11	0.95	1.00	-	-
Mre11a	chr9:14784706-14834417	4.67	4.49	-0.06	0.77	1.00	-	-
Zfp26	chr9:20428317-20460160	2.42	2.68	0.15	0.36	1.00	-	-
Abcg4	chr9:44273189-44288244	0.03	0.05	0.96	0.30	1.00	-	-
Dmxl2	chr9:54365157-54501626	22.39	23.62	0.08	0.59	1.00	-	-
Gm5136	chr10:108497649-109010975	0.00	0.00	0.00	1.00	1.00	-	-
lkzf4	chr10:128632414-128645993	0.00	0.00	-0.14	0.95	1.00	-	-
Tcf3	chr10:80409164-80433653	14.79	14.93	0.01	0.93	1.00	-	-
Map2k2	chr10:81105946-81124697	28.87	29.66	0.04	0.79	1.00	-	-
Tubg2	chr11:101155883-101161787	0.03	0.03	0.15	0.92	1.00	-	-
Unk	chr11:116030321-116061194	6.87	6.71	-0.03	0.84	1.00	-	-
Pycr1	chr11:120635711-120643670	0.11	0.08	-0.45	0.49	1.00	-	-
Zrsr1	chr11:22899727-22982284	3.76	3.76	0.00	1.00	1.00	-	-
Cyfp2	chr11:46193848-46312859	1.65	1.69	0.03	0.88	1.00	-	-
Pmp22	chr11:63131509-63159546	104.67	120.81	0.21	0.14	1.00	-	-
Myo1g	chr11:6506547-6520958	28.34	28.85	0.03	0.85	1.00	-	+
Zkscan6	chr11:65807243-65829239	6.13	6.10	-0.01	0.98	1.00	-	-
Myh13	chr11:67327102-67371502	0.00	0.00	-1.8e+308	0.49	1.00	-	-
Tnfaip1	chr11:78522849-78536260	14.98	14.79	-0.02	0.91	1.00	-	-
Aatf	chr11:84422855-84513501	8.33	8.91	0.10	0.62	1.00	-	-
Prps1I3	chr12:57230411-	9.47	9.91	0.07	0.69	1.00	-	-

57457241								
<i>Rhob</i>	chr12:8497758-8499985	81.65	79.56	-0.04	0.79	1.00	-	+
<i>Naip2</i>	chr13:100144062-100202092	80.63	87.08	0.11	0.48	1.00	-	-
<i>Ctsm</i>	chr13:61536443-61541839	0.00	0.00	0.00	1.00	1.00	-	-
<i>Slc12a7</i>	chr13:73763696-73816742	5.93	4.32	-0.46	0.01	0.18	-	-
<i>Nr2f1</i>	chr13:78188972-78236564	0.00	0.00	0.00	1.00	1.00	-	-
<i>Mapk8</i>	chr14:33377898-33447158	2.63	2.92	0.15	0.42	1.00	-	-
<i>Ctsb</i>	chr14:63122461-63177793	1245.17	1117.34	-0.16	0.71	1.00	-	-
<i>Akap11</i>	chr14:78492245-78536860	5.72	5.33	-0.10	0.49	1.00	-	-
<i>Fbxo32</i>	chr15:58175878-58214892	5.90	5.97	0.02	0.91	1.00	-	-
<i>Dnm1l</i>	chr16:16312232-16359030	10.24	10.92	0.09	0.54	1.00	-	-
<i>Senp5</i>	chr16:31959669-32003287	10.18	9.99	-0.03	0.85	1.00	-	-
<i>Tiam1</i>	chr16:89787110-89974699	4.99	6.60	0.40	0.01	0.27	-	+
<i>Cbr1</i>	chr16:93607836-93610349	22.49	20.07	-0.16	0.36	1.00	-	-
<i>Itpr3</i>	chr17:27057303-27122223	1.51	1.45	-0.06	0.77	1.00	-	+
<i>H2-T23</i>	chr17:36029977-36032701	123.29	137.29	0.16	0.29	1.00	-	-
<i>H2-BI</i>	chr17:36080188-36084249	0.12	0.16	0.46	0.60	1.00	-	-
<i>Pabpc6</i>	chr17:9666496-9669704	0.00	0.00	0.00	1.00	1.00	-	-
<i>Gnal</i>	chr18:67088335-67245830	1.09	1.07	-0.03	0.96	1.00	-	-
<i>Cetn1</i>	chr18:9618418-9619469	0.00	0.00	0.00	1.00	1.00	-	-
<i>Tle4</i>	chr19:14448071-14597983	8.14	7.82	-0.06	0.72	1.00	-	-
<i>Pank1</i>	chr19:34810893-34879455	1.47	1.43	-0.04	0.92	1.00	-	-
<i>1700055N04Rik</i>	chr19:3958807-3970438	0.01	0.00	-5.55	0.71	1.00	-	-
<i>Ddx3y</i>	chrY:1260714-1286613	0.00	0.00	0.00	1.00	1.00	-	-

FPKM, fragments per kilobase of exon per million fragments mapped.

¹Differentially expressed as in Table S1.

²Involved in phagocytosis, if retrievable records on pubmed.gov using the search terms “gene xy phagocytosis”, and/or associated terms on geneontology.org, using unfiltered search parameters and considering all recorded species.