Supplemental Data

Sirtuin-6 Preserves R-spondin-1 Expression and Increases Resistance of Intestinal Epithelium to Injury in Mice

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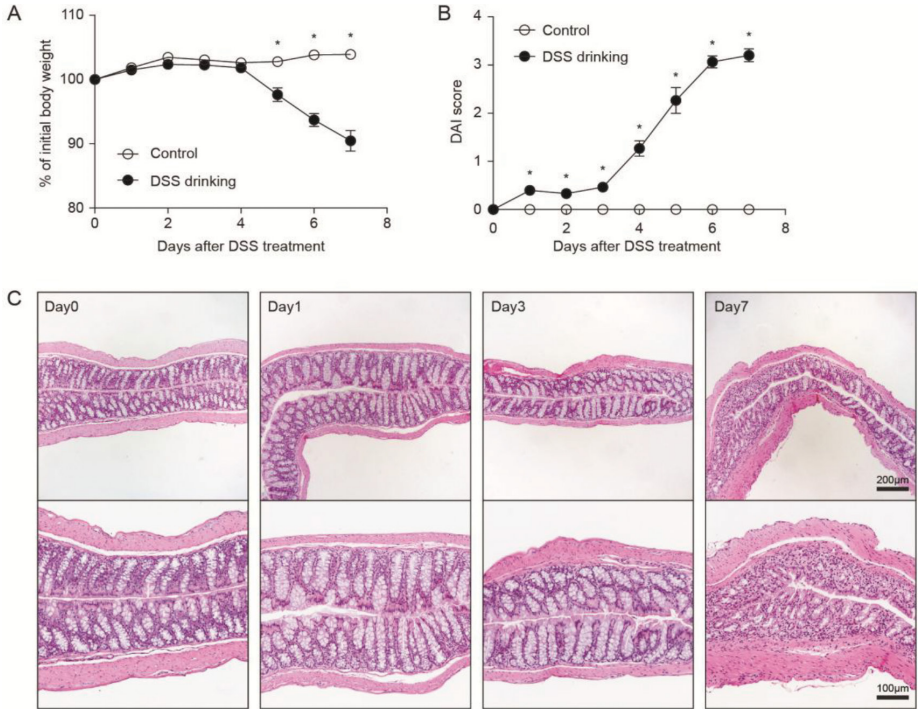
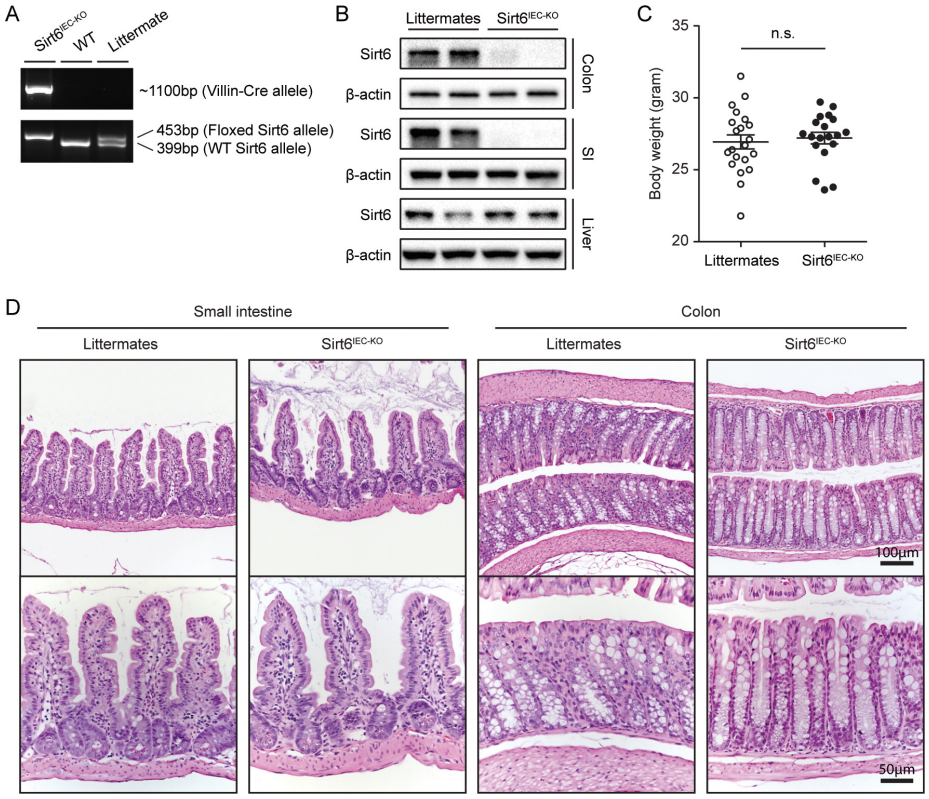
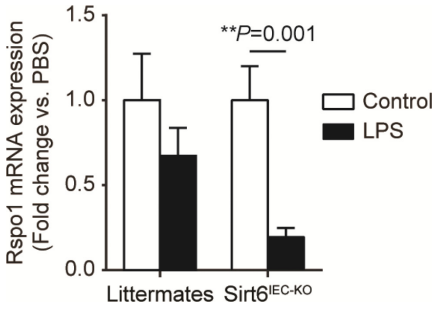


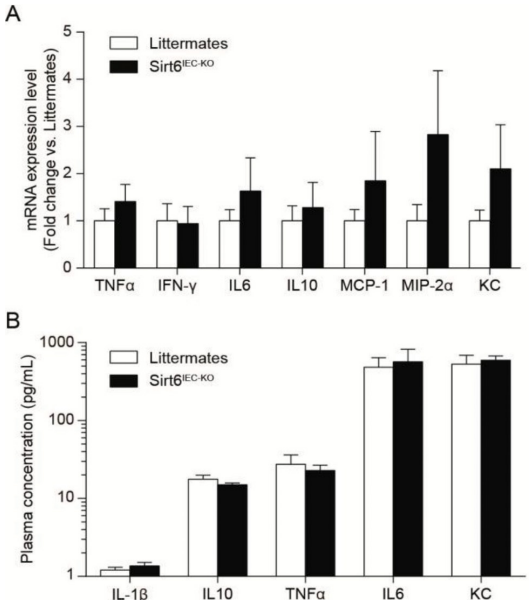
Supplementary Figure S1. Characterization of DSS-induced colitis. Wild-type C57BL/6J mice (male, 8–10 wks old) were given drinking water containing 3.5% DSS up to 7 d, or normal drinking water as controls (n = 5). (A) Body weight and (B) disease activity index were monitored on a daily basis. Mice colonic tissues were collected at the time points as indicated (n = 5 per time point), processed for routine histology, stained with H&E and (C) examined under a light microscope. *, $P < 0.05$ versus d 0.



Supplementary Figure S2. Characterization of *Sirt6*$^{IEC\text{-}KO}$ mice. (A) Tail biopsies of *Sirt6*$^{IEC\text{-}KO}$ mice (*Vil-Cre*$^{+/-}$; *Sirt6*$^{Co/Co}$) and their littermates were processed for PCR-based genotyping using primer sets for *Vil-Cre* transgene (upper panel) and *Sirt6* allele (lower panel), respectively. The PCR amplicons derived from *Vil-Cre* transgene, floxed and wild-type *Sirt6* alleles were visualized as 1100, 453 and 399 bp DNA fragments, respectively, in 2% agarose gels. (B) Sirt6 protein expression is abolished in *Sirt6*$^{IEC\text{-}KO}$ mice in an intestinal-specific manner. Total protein extracts from the indicated tissues were analyzed by Western blot using anti-Sirt6 antibody. Anti–β-actin was used as a loading control. (C) Intestinal epithelial specific ablation of the *Sirt6* gene in mice does not affect body weight. *Sirt6*$^{IEC\text{-}KO}$ mice and their littermates had their body weight measured at 8 wks old. (D) Intestinal epithelial specific deficiency of *Sirt6* does not affect intestinal morphology. Representative sections of an H&E staining of small intestine and colon of *Sirt6*$^{IEC\text{-}KO}$ mice and their littermates at 8 wks of age. SI, small intestine.



Supplementary Figure S3. Effect of LPS treatment on intestinal *Rspo1* mRNA expression. *Sirt6*$^{IEC\text{-}KO}$ mice and their littermates (male, 8–10 wks old, n = 4–7 per group) were intraperitoneally injected with either LPS (2 mg/kg) or saline (100 μl, sham control). Twenty-four hours after treatment, mice were euthanized by CO_2 inhalation. Then, colons were collected and processed to determine levels of *Rspo1* mRNA by qRT-PCR.



Supplementary Figure S4. Profiles of cytokine and chemokine expression in colon and plasma of mice with DSS-induced colitis. *Sirt6*$^{IEC\text{-}KO}$ mice and their littermates (male, 8–10 wks old) were given drinking water containing 3.5% DSS for 7 d. Mice were euthanized at day 7 of DSS treatment. (A) Colons were collected and processed to determine levels of indicated cytokines and chemokines by quantitative real-time RT-PCR. n = 9 per group. (B) Blood samples were processed for isolation of plasma by centrifugation at 1,000*g* for 10 min at 4°C, followed by measurement of levels of indicated cytokines and chemokine using MSD multiplex array. n = 4–5 per group. Results are expressed as mean ± SEM.

Supplementary Table S1. List of genes differentially expressed only under naïve condition

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Cybb	0.178	0.589	3.31	2.235	1.747	0.78
Bdkrb2	0.401	0.926	2.31	2.128	2.206	1.04
Pxmp2	1.115	2.484	2.23	2.448	2.206	0.90
Abca9	2.498	5.305	2.12	1.543	1.885	1.22
Asrgl1	1.65	3.495	2.12	2.128	2.252	1.06
Nme3	2.542	5.348	2.10	3.086	3.218	1.04
Gm8773	1.784	3.705	2.08	4.895	6.481	1.32
Rps19-ps5	1.784	3.537	1.98	2.448	2.298	0.94
Eno2	5.798	11.369	1.96	8.673	9.745	1.12
Cdk20	2.676	5.095	1.90	3.299	3.218	0.98
Ppap2b	0.178	0.337	1.89	2.182	1.885	0.86
Parvb	1.293	2.442	1.89	2.022	1.839	0.91
Dnaaf1	1.427	2.695	1.89	2.554	1.931	0.76
Ptges	0.892	1.684	1.89	3.405	2.896	0.85
Srcrb4d	1.383	2.568	1.86	2.128	1.655	0.78
Fndc4	5.887	10.821	1.84	5.587	5.332	0.95
Bnip3	3.3	6.063	1.84	5.215	6.205	1.19
Ctxn1	21.273	38.738	1.82	18.73	24.591	1.31

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Supplementary Table S1. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Sertad3	2.676	4.842	1.81	2.075	2.712	1.31
Pcdh10	5.798	10.4	1.79	8.088	7.952	0.98
Tmem229b	1.338	2.4	1.79	2.554	3.401	1.33
Gm11663	2.052	3.621	1.76	2.501	2.344	0.94
B9d1	4.504	7.916	1.76	5.587	4.734	0.85
Rpl31-ps20	0.892	1.558	1.75	2.075	1.839	0.89
Ror2	1.07	1.853	1.73	2.394	2.206	0.92
Dennd3	4.148	7.158	1.73	4.363	4.826	1.11
Nhs	3.568	6.148	1.72	5.853	7.768	1.33
Gm3160	1.962	3.369	1.72	2.82	3.264	1.16
Gm6142	1.472	2.526	1.72	2.288	2.344	1.02
Icam5	1.695	2.905	1.71	3.831	3.631	0.95
Npy1r	8.741	14.906	1.71	8.726	8.366	0.96
Ankrd39	2.988	5.053	1.69	4.895	4.826	0.99
Tshz3	2.052	3.453	1.68	1.862	1.655	0.89
Irg1	1.338	2.232	1.67	19.209	21.558	1.12
Gpr155	2.23	3.705	1.66	2.341	3.034	1.30
Gm12942	3.791	6.19	1.63	5.321	4.688	0.88
Gm13326	1.784	2.905	1.63	2.927	2.528	0.86
Rpp21	5.53	8.969	1.62	6.013	7.033	1.17
Slc6a17	7.626	12.337	1.62	10.163	13.1	1.29
Selp	6.065	9.811	1.62	28.148	29.004	1.03
Thy1	4.014	6.484	1.62	4.097	4.734	1.16
Rpl31-ps1	1.962	3.158	1.61	2.767	2.39	0.86
Mmp17	5.842	9.39	1.61	4.736	4.413	0.93
Sox13	0.892	1.432	1.61	2.394	2.114	0.88
Crmp1	4.014	6.442	1.60	5.215	5.102	0.98
Smok3c	1.561	2.484	1.59	2.182	1.839	0.84
Smok3b	1.561	2.484	1.59	2.182	1.839	0.84
Hhipl1	4.817	7.663	1.59	5.002	5.378	1.08
Gareml	4.995	7.916	1.58	7.875	9.239	1.17
Wdr19	9.633	15.243	1.58	8.141	8.136	1.00
Gm13668	4.817	7.621	1.58	5.534	4.918	0.89
Gm3650	2.854	4.505	1.58	4.097	3.631	0.89
Tpmt	3.791	5.979	1.58	3.884	3.539	0.91
Prox2	1.204	1.895	1.57	2.022	1.931	0.95
Irx1	6.467	10.148	1.57	9.897	12.227	1.24
Lor	2.364	3.705	1.57	3.139	3.172	1.01
Scd3	8.206	12.842	1.56	5.534	5.93	1.07
Gm11149	2.319	3.621	1.56	2.022	2.068	1.02
Mmp19	5.441	8.463	1.56	5.427	5.286	0.97
Gdnf	1.516	2.358	1.56	4.895	5.378	1.10
Sox8	2.23	3.453	1.55	2.235	2.574	1.15
Gm11645	2.23	3.453	1.55	3.139	3.401	1.08
Itga9	1.606	2.484	1.55	2.288	1.747	0.76
2010015L04Rik	4.281	6.611	1.54	4.523	5.975	1.32
Ttc12	2.319	3.579	1.54	1.756	1.793	1.02
Filip1	2.408	3.705	1.54	2.075	2.114	1.02
Hoxd11	9.499	14.611	1.54	4.948	5.332	1.08
Pdzrn3	22.834	35.032	1.53	22.561	27.763	1.23

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Supplementary Table S1. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Grasp	4.148	6.358	1.53	6.013	5.378	0.89
Gm11512	1.739	2.653	1.53	2.022	1.931	0.95
Lipg	5.218	7.958	1.53	5.853	5.056	0.86
Arxes2	4.148	6.316	1.52	2.66	3.447	1.30
Hscb	2.988	4.547	1.52	5.055	4.183	0.83
Actr8	14.093	21.39	1.52	17.027	16.685	0.98
Muc6	2.498	3.79	1.52	2.235	2.298	1.03
Gm8984	2.498	3.79	1.52	2.448	2.344	0.96
Gm15795	1.472	2.232	1.52	2.182	1.931	0.88
Wdfy2	5.307	8.042	1.52	5.161	5.654	1.10
Krt7	50.976	77.223	1.51	36.927	47.114	1.28
Gm2976	1.918	2.905	1.51	2.448	2.85	1.16
Chst11	2.364	3.579	1.51	4.097	3.218	0.79
Rhof	2.007	3.032	1.51	2.235	2.16	0.97
Ssc5d	4.46	6.737	1.51	3.831	4.367	1.14
Hoxa3	3.791	5.726	1.51	3.352	3.355	1.00
Epb4.1l1	53.34	80.465	1.51	53.209	70.925	1.33
Spsb1	25.198	37.98	1.51	39.002	49.689	1.27
Fbxl16	4.415	6.653	1.51	5.427	5.24	0.97
Hectd2	2.096	3.158	1.51	3.459	3.08	0.89
Hmgb1-ps8	3.077	4.632	1.51	3.884	4.275	1.10
Fars2	6.779	10.19	1.50	6.279	7.584	1.21
Dtx3	12.532	18.822	1.50	13.036	16.088	1.23
Kif21b	4.46	6.695	1.50	2.288	2.068	0.90
Bmp6	7.493	11.242	1.50	16.867	16.502	0.98
Kcnq3	2.364	3.537	1.50	3.139	2.436	0.78
Gm12038	1.07	1.6	1.50	2.288	1.885	0.82
Tlr7	1.383	2.063	1.49	2.075	1.885	0.91
Ksr2	2.23	3.326	1.49	2.82	2.62	0.93
Gm9146	1.695	2.526	1.49	2.341	2.206	0.94
Krt15	2.854	4.253	1.49	1.437	1.425	0.99
Pecr	4.014	5.979	1.49	4.895	5.056	1.03
Clmn	5.887	8.758	1.49	4.842	6.251	1.29
Ttc30a2	2.408	3.579	1.49	2.288	1.977	0.86
Rtkn2	6.065	9.011	1.49	4.416	4.918	1.11
Tmem8	3.033	4.505	1.49	4.097	3.172	0.77
4931428F04Rik	4.371	6.484	1.48	4.948	4.643	0.94
Dnajc24	7.403	10.948	1.48	10.376	9.653	0.93
Gm9705	2.364	3.495	1.48	2.182	2.62	1.20
Plekho1	6.333	9.348	1.48	6.225	4.826	0.78
1110001J03Rik	4.281	6.316	1.48	5.587	5.516	0.99
Igdcc4	2.141	3.158	1.48	1.117	0.965	0.86
Rfx2	3.969	5.853	1.47	2.714	2.206	0.81
Tbc1d32	6.69	9.853	1.47	7.715	6.849	0.89
Sdk2	2.23	3.284	1.47	2.554	2.16	0.85
Cacnb1	4.95	7.284	1.47	4.576	4.413	0.96
Gm9568	3.033	4.463	1.47	4.47	4.597	1.03
Ier5l	29.257	42.991	1.47	28.148	36.313	1.29
Nfe2l3	16.68	24.506	1.47	15.59	18.892	1.21
Gm17199	4.906	7.2	1.47	5.215	5.608	1.08

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Supplementary Table S1. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Gm5580	5.486	8.042	1.47	6.492	6.987	1.08
Dennd2a	15.788	23.116	1.46	12.823	16.134	1.26
Cd27	1.784	2.611	1.46	2.394	1.931	0.81
Galnt12	11.283	16.506	1.46	8.567	10.02	1.17
Gm21319	3.657	5.348	1.46	5.959	4.643	0.78
Fat4	8.384	12.253	1.46	5.055	6.481	1.28
Hoxa7	5.307	7.748	1.46	4.523	4.091	0.90
Nipsnap1	9.499	13.853	1.46	9.046	9.653	1.07
Prss22	1.561	2.274	1.46	2.075	1.655	0.80
Bbs5	4.371	6.358	1.45	5.427	6.435	1.19
Irak3	3.3	4.8	1.45	6.811	7.125	1.05
Gm8666	3.3	4.8	1.45	4.097	3.585	0.88
Pkdcc	5.53	8.042	1.45	6.545	8.136	1.24
Gm20783	3.969	5.769	1.45	4.736	5.056	1.07
CAAA01217562.1	3.969	5.769	1.45	4.736	5.056	1.07
Ephb6	17.527	25.474	1.45	8.62	9.699	1.13
Rab3c	3.479	5.053	1.45	3.778	3.815	1.01
Sema5a	3.077	4.463	1.45	3.725	3.493	0.94
4930526A20Rik	9.99	14.485	1.45	9.897	12.135	1.23
Wasf3	7.582	10.99	1.45	7.236	9.515	1.31
Ttyh1	2.676	3.874	1.45	3.618	2.896	0.80
Sfxn5	4.683	6.779	1.45	2.501	2.988	1.19
Dlx1	6.378	9.221	1.45	8.886	7.814	0.88
Gm16437	4.727	6.821	1.44	6.811	6.297	0.92
Vit	1.606	2.316	1.44	2.128	1.609	0.76
A430033K04Rik	6.199	8.927	1.44	5.108	5.24	1.03
Cbln3	1.962	2.821	1.44	2.448	2.298	0.94
Mex3b	16.234	23.327	1.44	24.21	24.04	0.99
Zfp688	5.218	7.495	1.44	4.682	6.021	1.29
Ddx26b	3.256	4.674	1.44	1.756	1.609	0.92
Unc13b	3.256	4.674	1.44	4.257	3.355	0.79
Dcaf6	10.302	14.779	1.43	10.376	11.905	1.15
C1qtnf6	15.253	21.853	1.43	15.005	17.329	1.15
Kat8	6.824	9.769	1.43	7.077	8.182	1.16
Paqr8	2.854	4.084	1.43	2.448	3.218	1.31
Dennd2d	1.472	2.105	1.43	2.235	2.16	0.97
Smco4	3.211	4.59	1.43	5.002	4.826	0.96
Gm8661	1.829	2.611	1.43	2.448	1.885	0.77
Hmgcs1	111.63	159.33	1.43	34.107	36.864	1.08
Csmd1	2.096	2.99	1.43	2.66	2.298	0.86
Chchd7	6.645	9.474	1.43	8.141	8.412	1.03
Gdf7	2.275	3.242	1.43	1.756	1.333	0.76
Ctla2a	63.062	89.771	1.42	54.752	68.121	1.24
Nucb2	15.386	21.895	1.42	14.952	18.202	1.22
Tctn2	15.476	22.022	1.42	13.888	15.444	1.11
Gm15604	3.345	4.758	1.42	5.002	4.091	0.82
Tlr5	3.523	5.011	1.42	3.618	2.988	0.83
Gm5239	4.95	7.032	1.42	7.077	7.125	1.01
Smarcd3	31.932	45.306	1.42	25.274	27.947	1.11
Col27a1	47.586	67.496	1.42	57.2	75.475	1.32

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Supplementary Table S1. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Flt3l	0.981	1.39	1.42	2.288	1.747	0.76
Larp1b	1.962	2.779	1.42	3.193	2.62	0.82
Shisa6	1.427	2.021	1.42	2.022	1.609	0.80
Gm16581	4.995	7.074	1.42	6.492	5.194	0.80
Slc30a8	2.319	3.284	1.42	2.767	2.344	0.85
Prdm11	2.498	3.537	1.42	5.161	4.275	0.83
Sftpb	1.695	2.4	1.42	2.235	1.931	0.86
Fancf	4.148	5.853	1.41	4.363	4.551	1.04
Ldha-ps2	5.619	7.916	1.41	8.992	7.584	0.84
Nbl1	15.342	21.601	1.41	14.047	15.306	1.09
RP24-282D16.5	2.185	3.074	1.41	2.714	2.574	0.95
Nrip2	2.275	3.2	1.41	2.022	2.528	1.25
Gpr68	2.096	2.947	1.41	5.853	5.608	0.96
Sox12	68.681	96.55	1.41	47.835	56.17	1.17
Samd7	1.918	2.695	1.41	2.607	2.298	0.88
Gm15621	1.739	2.442	1.40	2.501	2.804	1.12
Nat8l	1.65	2.316	1.40	2.341	2.298	0.98
Ift122	21.407	30.022	1.40	20.007	23.534	1.18
Tmem241	2.854	4	1.40	2.235	2.758	1.23
Gm20760	1.472	2.063	1.40	2.714	2.344	0.86
Spata24	2.765	3.874	1.40	2.554	3.218	1.26
Soga2	21.586	30.232	1.40	11.759	14.755	1.25
Sh2d3c	2.587	3.621	1.40	2.714	2.942	1.08
Syngap1	6.199	8.674	1.40	6.97	7.354	1.06
Cyp4f17	6.021	8.421	1.40	6.438	7.354	1.14
E030037K01Rik	3.523	4.926	1.40	3.512	3.815	1.09
Gm5384	3.345	4.674	1.40	4.363	3.447	0.79
Fam219a	26.67	37.222	1.40	25.381	31.808	1.25
Gm9274	1.873	2.611	1.39	2.182	1.839	0.84
2900097C17Rik	12.175	16.969	1.39	12.238	12.824	1.05
Zfp358	11.06	15.411	1.39	9.365	8.641	0.92
Egfl6	2.72	3.79	1.39	2.714	2.436	0.90
Zfp692	6.378	8.884	1.39	5.747	5.93	1.03
Gm9143	3.568	4.969	1.39	4.576	4.321	0.94
Nrg3	1.784	2.484	1.39	2.235	1.977	0.88
Eid2	4.326	6.021	1.39	6.651	5.194	0.78
Smox	10.659	14.821	1.39	17.665	16.548	0.94
Gm11175	66.229	92.002	1.39	58.264	72.763	1.25
Bmpr1b	5.396	7.495	1.39	7.024	8.871	1.26
Mib2	12.8	17.769	1.39	10.801	11.721	1.09
Gm3636	2.275	3.158	1.39	2.554	2.666	1.04
5031425E22Rik	6.645	9.221	1.39	6.385	6.251	0.98
Srd5a1	7.537	10.442	1.39	8.354	7.722	0.92
Ankrd13d	4.103	5.684	1.39	3.086	2.942	0.95
Pde10a	5.664	7.832	1.38	4.15	4.597	1.11
Gm7638	4.995	6.905	1.38	6.332	5.792	0.91
Exd2	7.894	10.906	1.38	8.513	9.285	1.09
Gm11336	6.645	9.179	1.38	7.077	5.746	0.81
Cep95	7.805	10.779	1.38	9.684	10.894	1.12
Zdhhc24	4.727	6.526	1.38	4.948	5.194	1.05

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Supplementary Table S1. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Clip3	42.458	58.612	1.38	33.735	43.805	1.30
Slpi	24.529	33.854	1.38	48.261	48.493	1.00
Il1rapl2	1.739	2.4	1.38	2.128	1.655	0.78
Ctu1	7.849	10.821	1.38	12.079	10.526	0.87
Gm10935	3.3	4.547	1.38	4.948	4.229	0.85
Pde1a	2.72	3.747	1.38	2.98	2.62	0.88
Dffb	5.932	8.169	1.38	5.481	6.895	1.26
Mfap3l	4.281	5.895	1.38	4.15	4.275	1.03
Scd4	2.141	2.947	1.38	1.171	1.241	1.06
Gm11550	2.141	2.947	1.38	2.288	2.482	1.08
Gm6611	1.561	2.147	1.38	2.075	2.022	0.97
Foxq1	20.426	28.085	1.37	15.431	17.329	1.12
Rpsa-ps3	2.052	2.821	1.37	3.193	2.62	0.82
Gas1	103.468	142.235	1.37	58.956	63.984	1.09
Gm5472	1.962	2.695	1.37	3.778	2.988	0.79
Gm20499	2.943	4.042	1.37	2.767	2.942	1.06
Myzap	2.453	3.369	1.37	2.98	2.482	0.83
Dcdc5	2.453	3.369	1.37	2.66	2.206	0.83
Ddah2	20.515	28.169	1.37	11.972	15.904	1.33
Itga2	1.472	2.021	1.37	12.983	11.583	0.89
Il20rb	1.472	2.021	1.37	2.022	1.655	0.82
Neurl4	19.177	26.316	1.37	18.57	21.696	1.17
Gm10548	2.854	3.916	1.37	3.671	3.355	0.91
Gm12895	18.642	25.559	1.37	14.473	14.939	1.03
Gm7456	2.765	3.79	1.37	3.884	3.401	0.88
Gm5528	3.256	4.463	1.37	3.884	3.31	0.85
Gm12896	18.776	25.727	1.37	14.739	14.985	1.02
Ak4	9.009	12.337	1.37	19.315	22.201	1.15
Gm5764	2.676	3.663	1.37	4.044	3.493	0.86
Tnfrsf25	2.185	2.99	1.37	1.33	1.517	1.14
Kansl1l	7.849	10.737	1.37	8.035	6.895	0.86
Dpcd	17.037	23.285	1.37	18.41	19.535	1.06
B3gnt9	23.057	31.496	1.37	19.368	21.65	1.12
Otp	2.899	3.958	1.37	3.299	3.08	0.93
Gm4891	5.798	7.916	1.37	6.332	6.711	1.06
Sqle	73.186	99.918	1.37	25.328	31.348	1.24
Ccnj	10.213	13.937	1.36	11.28	12.043	1.07
A530084C06Rik	12.532	17.095	1.36	8.992	10.25	1.14
Adamts3	4.727	6.442	1.36	2.288	1.839	0.80
Arhgef39	10.57	14.4	1.36	8.407	10.526	1.25
Dyrk3	11.685	15.916	1.36	17.293	16.823	0.97
Gm17150	5.04	6.863	1.36	8.78	7.354	0.84
Fndc3c1	3.835	5.221	1.36	4.948	5.654	1.14
Egr1	87.547	119.161	1.36	114.506	113.121	0.99
Hist1h4h	3.434	4.674	1.36	3.246	2.712	0.84
Gstp2	6.467	8.8	1.36	7.077	6.251	0.88
GSTP2	6.467	8.8	1.36	7.077	6.251	0.88
9930012K11Rik	9.812	13.348	1.36	6.704	5.424	0.81
Fam173a	7.091	9.642	1.36	6.545	7.308	1.12
Sema4f	12.577	17.095	1.36	14.047	18.156	1.29

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Supplementary Table S1. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Vangl2	15.743	21.39	1.36	12.398	12.457	1.00
Plxnb1	56.238	76.381	1.36	41.344	49.78	1.20
Slc30a10	1.829	2.484	1.36	2.288	1.885	0.82
Chst1	3.969	5.39	1.36	4.948	4.505	0.91
Senp8	3.969	5.39	1.36	3.831	4.275	1.12
Nrm	6.333	8.59	1.36	5.268	5.424	1.03
Rpsa-ps4	12.978	17.6	1.36	17.08	18.386	1.08
Gm9877	2.453	3.326	1.36	3.086	2.574	0.83
Tm7sf2	5.129	6.948	1.35	3.459	4.367	1.26
Irak1bp1	6.065	8.211	1.35	9.897	9.377	0.95
Rpgr	2.364	3.2	1.35	2.607	2.528	0.97
Fndc1	2.676	3.621	1.35	2.98	2.758	0.93
Gm8529	3.3	4.463	1.35	3.725	3.585	0.96
Gm6298	1.962	2.653	1.35	2.554	2.62	1.03
Fam110a	23.637	31.959	1.35	25.7	25.878	1.01
Mroh1	58.335	78.865	1.35	58.371	65.684	1.13
Mfsd9	3.523	4.758	1.35	3.884	4.091	1.05
Ccdc57	4.46	6.021	1.35	3.565	3.31	0.93
Ccdc71l	6.645	8.969	1.35	8.673	8.917	1.03
Rbak	11.64	15.706	1.35	14.526	12.181	0.84
Gm12020	3.122	4.211	1.35	5.215	4.091	0.78
Apbb1	10.614	14.316	1.35	5.8	7.446	1.28
Ces5a	1.873	2.526	1.35	2.873	2.804	0.98
Gmpr	7.716	10.4	1.35	7.183	5.562	0.77
Cxcl14	2.72	3.663	1.35	2.873	2.482	0.86
Gm5814	10.258	13.811	1.35	10.961	9.653	0.88
Gnaz	2.096	2.821	1.35	1.969	1.655	0.84
Lhx9	4.192	5.642	1.35	5.906	4.734	0.80
Bloc1s5	7.136	9.6	1.35	6.917	7.722	1.12
Nrbp2	2.943	3.958	1.34	2.767	2.666	0.96
Gm6946	2.943	3.958	1.34	3.299	3.539	1.07
Zfp579	10.213	13.727	1.34	7.396	8.733	1.18
Gm12117	1.16	1.558	1.34	2.288	1.747	0.76
Zik1	7.403	9.937	1.34	8.833	7.033	0.80
Ankrd1	2.542	3.411	1.34	5.8	6.711	1.16
Cd1d1	10.704	14.358	1.34	7.662	8.687	1.13
Mdp1	8.697	11.663	1.34	7.077	7.906	1.12
Ccdc84	3.077	4.126	1.34	3.991	3.815	0.96
Gm9061	12.354	16.548	1.34	13.089	13.054	1.00
Nrros	2.453	3.284	1.34	2.927	2.344	0.80
Klhdc9	2.676	3.579	1.34	2.98	3.769	1.26
Rpl23a-ps1	2.676	3.579	1.34	3.831	3.401	0.89
Rps12-ps5	4.504	6.021	1.34	5.64	4.872	0.86
B3gnt1	22.656	30.274	1.34	17.08	19.995	1.17
Phpt1	17.081	22.822	1.34	19.528	20.501	1.05
Samd13	2.364	3.158	1.34	3.459	3.126	0.90
Col1a2	60.877	81.307	1.34	48.101	57.411	1.19
Bcat2	13.781	18.4	1.34	8.886	9.515	1.07
Gm7429	2.587	3.453	1.33	4.044	4.643	1.15
Fam120c	4.103	5.474	1.33	4.15	4.413	1.06

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Supplementary Table S1. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Zc2hc1a	19.133	25.516	1.33	20.22	21.834	1.08
Sh2d1a	2.81	3.747	1.33	4.257	3.401	0.80
Qtrt1	11.685	8.758	0.75	11.334	12.778	1.13
Gm1818	12.755	9.558	0.75	14.207	12.824	0.90
Prl8a1	5.173	3.874	0.75	3.831	2.988	0.78
Scrn3	30.773	23.032	0.75	23.678	22.155	0.94
Tcn2	33.137	24.801	0.75	28.148	21.42	0.76
Prokr1	2.364	1.768	0.75	2.182	1.793	0.82
Calcrl	6.199	4.632	0.75	4.15	3.355	0.81
ZFP953	2.988	2.232	0.75	2.873	3.264	1.14
Cd59a	5.976	4.463	0.75	4.736	5.102	1.08
Ppip5k2	55.882	41.727	0.75	54.965	50.7	0.92
Fam195a	3.835	2.863	0.75	2.607	2.436	0.93
G730046D07Rik	7.18	5.348	0.74	7.236	5.746	0.79
Rassf3	11.194	8.337	0.74	7.556	7.722	1.02
Asb3	12.666	9.432	0.74	10.11	10.158	1.00
Sptssa	34.073	25.348	0.74	28.148	23.121	0.82
Hoxb4	10.079	7.495	0.74	7.822	9.515	1.22
Esco1	24.351	18.106	0.74	27.084	24.27	0.90
Gm13217	4.817	3.579	0.74	3.884	3.953	1.02
Zfp825	3.523	2.611	0.74	3.725	4.045	1.09
Col4a1	870.113	644.227	0.74	925.15	699.317	0.76
Ahnak	2548.348	1886.407	0.74	2076.546	1661.234	0.80
Eomes	2.275	1.684	0.74	1.437	1.747	1.22
Kcnn1	2.275	1.684	0.74	2.448	1.885	0.77
Efcab11	3.925	2.905	0.74	2.767	2.85	1.03
Saysd1	3.925	2.905	0.74	2.873	2.804	0.98
Gm10355	2.676	1.979	0.74	3.086	3.034	0.98
Adamtsl4	20.738	15.327	0.74	14.047	12.135	0.86
Gm6226	3.077	2.274	0.74	1.596	2.068	1.30
Zfp953	3.077	2.274	0.74	3.086	3.355	1.09
Cpeb3	4.103	3.032	0.74	4.842	4.137	0.85
Supt3	7.18	5.305	0.74	4.363	5.608	1.29
Snx14	23.771	17.558	0.74	19.687	19.397	0.99
Rbpms2	10.035	7.411	0.74	10.003	9.147	0.91
Zfp658	4.504	3.326	0.74	4.363	4.688	1.07
Hint3	3.479	2.568	0.74	2.554	2.85	1.12
Gbp11	1.427	1.053	0.74	7.928	8.55	1.08
Ccdc111	10.614	7.832	0.74	7.662	7.952	1.04
Slc1a3	2.854	2.105	0.74	1.703	1.287	0.76
Xkr6	4.683	3.453	0.74	4.523	4.321	0.96
Ccl7	39.202	28.885	0.74	191.394	191.262	1.00
Zfp944	7.091	5.221	0.74	5.374	5.378	1.00
Ecscr	3.434	2.526	0.74	6.598	5.562	0.84
Gal3st3	4.638	3.411	0.74	3.565	4.045	1.13
Syt9	4.638	3.411	0.74	3.778	4.137	1.10
Gm2635	4.237	3.116	0.74	13.622	12.227	0.90
Serpinb1a	12.488	9.179	0.74	10.376	9.377	0.90
Vma21	39.247	28.843	0.73	43.259	37.324	0.86
Btbd8	2.007	1.474	0.73	1.33	1.103	0.83

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Supplementary Table S1. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Zfp738	6.824	5.011	0.73	6.598	6.297	0.95
RP23-2C22.3	2.81	2.063	0.73	2.235	2.022	0.90
Car12	20.248	14.864	0.73	14.207	15.215	1.07
Naip2	18.018	13.221	0.73	22.667	17.789	0.78
Gm2666	4.995	3.663	0.73	17.187	14.847	0.86
Nid1	141.243	103.455	0.73	152.338	114.684	0.75
Plcd4	9.544	6.99	0.73	8.141	6.849	0.84
D17H6S53E	19.088	13.979	0.73	17.346	15.215	0.88
Zfp947	3.166	2.316	0.73	2.182	2.39	1.10
Phldb3	5.932	4.337	0.73	4.097	4.229	1.03
Pvrl4	10.659	7.79	0.73	11.493	8.733	0.76
Gm14421	6.288	4.59	0.73	5.374	4.413	0.82
Gm9144	18.419	13.432	0.73	14.845	14.571	0.98
Nat2	7.225	5.263	0.73	6.651	6.021	0.91
Galm	5.842	4.253	0.73	4.363	3.953	0.91
Gm7856	5.842	4.253	0.73	5.002	4.872	0.97
Itpripl2	46.694	33.938	0.73	50.549	51.665	1.02
Saa3	7.359	5.348	0.73	83.645	78.095	0.93
Fbxo8	13.915	10.106	0.73	11.014	10.204	0.93
Rpl22-ps1	2.899	2.105	0.73	3.246	2.988	0.92
Slc25a53	3.657	2.653	0.73	2.607	2.85	1.09
Snai1	11.863	8.59	0.72	14.154	12.732	0.90
Gbp2	41.967	30.359	0.72	226.406	220.128	0.97
Sptbn2	4.192	3.032	0.72	2.66	2.62	0.98
Ctf1	7.983	5.769	0.72	5.587	4.321	0.77
C3ar1	3.033	2.19	0.72	4.629	3.723	0.80
Zfp945	8.518	6.148	0.72	10.589	8.641	0.82
Adhfe1	0.758	0.547	0.72	2.075	1.931	0.93
Mocos	8.875	6.4	0.72	9.046	7.86	0.87
Phf11c	5.664	4.084	0.72	10.801	11.491	1.06
Lamb3	6.601	4.758	0.72	6.013	5.608	0.93
Gm13287	2.453	1.768	0.72	1.543	1.885	1.22
Ttc9	1.695	1.221	0.72	2.767	2.252	0.81
Gm7079	2.631	1.895	0.72	1.543	1.977	1.28
Oas3	47.988	34.527	0.72	188.627	157.11	0.83
Tlr2	7.849	5.642	0.72	27.03	24.408	0.90
Hoxc6	14.004	10.063	0.72	13.249	11.951	0.90
Zfp442	5.218	3.747	0.72	3.778	4.367	1.16
Atp11c	23.236	16.674	0.72	23.785	21.282	0.89
St8sia4	7.047	5.053	0.72	4.097	3.953	0.96
Gm10718	5.352	3.832	0.72	5.268	4.321	0.82
Usp18	48.835	34.906	0.71	147.815	135.414	0.92
Gm16464	13.379	9.558	0.71	12.717	11.399	0.90
Myl9	7.849	5.6	0.71	3.778	2.85	0.75
Ick	14.405	10.274	0.71	10.11	11.675	1.15
Hebp2	11.105	7.916	0.71	7.928	7.584	0.96
Retsat	15.431	10.99	0.71	12.291	11.445	0.93
Zfp607	2.72	1.937	0.71	3.139	2.39	0.76
Hip1r	53.34	37.98	0.71	56.881	43.529	0.77
9930111J21Rik2	71.224	50.696	0.71	94.234	85.679	0.91

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Supplementary Table S1. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Cep152	22.032	15.664	0.71	19.421	16.961	0.87
S100a3	4.326	3.074	0.71	2.714	2.344	0.86
Dtwd2	4.326	3.074	0.71	3.884	3.769	0.97
4930503L19Rik	10.079	7.158	0.71	8.726	7.538	0.86
Gm4853	6.824	4.842	0.71	5.64	6.711	1.19
AW112010	7.359	5.221	0.71	49.964	46.839	0.94
Pisd-ps2	4.281	3.032	0.71	3.512	3.355	0.96
Spint2	4.817	3.411	0.71	5.002	5.792	1.16
Rab20	7.805	5.516	0.71	10.057	9.423	0.94
Gprc5a	83.577	58.907	0.70	119.721	100.572	0.84
Ebf1	2.81	1.979	0.70	2.182	2.39	1.10
March3	5.084	3.579	0.70	4.31	5.654	1.31
Map3k6	12.621	8.884	0.70	11.174	9.285	0.83
Ikbke	39.871	28.001	0.70	92.318	78.877	0.85
Plcxd2	12.532	8.8	0.70	19.315	17.421	0.90
Ears2	6.957	4.884	0.70	5.747	5.838	1.02
Nhej1	3.3	2.316	0.70	3.033	2.942	0.97
4930522L14Rik	6.422	4.505	0.70	4.363	3.815	0.87
Flrt3	4.683	3.284	0.70	6.013	4.688	0.78
Tnfrsf23	30.817	21.601	0.70	34.639	30.981	0.89
BC017158	13.112	9.179	0.70	11.28	11.905	1.06
Dnajc19-ps	3.791	2.653	0.70	2.554	2.344	0.92
Ing5	33.092	23.158	0.70	36.342	28.131	0.77
Nap1l3	2.408	1.684	0.70	1.064	1.103	1.04
Gm7694	14.093	9.853	0.70	7.822	7.033	0.90
Csprs	21.14	14.779	0.70	75.664	64.627	0.85
Clca1	3.434	2.4	0.70	3.565	3.539	0.99
Adh7	2.23	1.558	0.70	1.171	1.149	0.98
Tlr3	14.227	9.937	0.70	34.373	33.233	0.97
4632415L05Rik	4.281	2.99	0.70	2.927	3.172	1.08
Spry1	11.462	8	0.70	7.822	8.32	1.06
Tmem161b	12.488	8.716	0.70	12.025	10.25	0.85
Gm26965	2.72	1.895	0.70	2.98	2.666	0.89
Cox10	26.714	18.611	0.70	24.902	20.225	0.81
Eya3	53.741	37.433	0.70	43.1	39.668	0.92
Phactr2	8.161	5.684	0.70	6.172	6.481	1.05
Gm20547	4.058	2.821	0.70	9.205	7.998	0.87
Gm14698	20.917	14.527	0.69	18.836	20.455	1.09
Tcf23	12.978	9.011	0.69	5.374	5.148	0.96
Gm10762	2.185	1.516	0.69	1.33	1.379	1.04
Slc22a4	4.014	2.779	0.69	3.671	4.321	1.18
Trmt11	7.849	5.432	0.69	7.343	8.55	1.16
Prrg1	11.685	8.084	0.69	9.418	12.135	1.29
Fli1	15.654	10.821	0.69	16.335	16.226	0.99
Crem	9.633	6.653	0.69	8.46	8.871	1.05
AA987161	5.976	4.126	0.69	5.481	5.286	0.96
C1rb	5.976	4.126	0.69	5.64	5.24	0.93
4930523C07Rik	4.148	2.863	0.69	7.875	7.538	0.96
Steap3	3.479	2.4	0.69	2.075	2.068	1.00
Zfp229	7.939	5.474	0.69	6.119	6.573	1.07

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Supplementary Table S1. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Tmem184a	6.779	4.674	0.69	2.767	2.39	0.86
Nabp1	24.663	16.969	0.69	49.431	54.331	1.10
A530032D15Rik	3.612	2.484	0.69	4.789	4.413	0.92
Pts	4.415	3.032	0.69	4.47	3.723	0.83
Hoxc5	2.453	1.684	0.69	1.703	1.333	0.78
Gm4535	2.453	1.684	0.69	2.288	2.712	1.19
Trim30a	30.416	20.843	0.69	102.162	95.562	0.94
Iigp1	20.248	13.853	0.68	65.607	58.054	0.88
Tmem38b	12.309	8.421	0.68	10.216	9.561	0.94
Slc4a7	34.296	23.411	0.68	48.42	39.484	0.82
Sdr39u1	15.074	10.274	0.68	13.036	12.227	0.94
Fam132b	7.537	5.137	0.68	5.108	4.275	0.84
Dhtkd1	5.932	4.042	0.68	5.108	4.688	0.92
1700030C10Rik	2.72	1.853	0.68	1.649	1.563	0.95
Rab38	10.391	7.074	0.68	5.64	6.021	1.07
Tnfaip3	102.755	69.897	0.68	404.923	378.617	0.94
4931440F15Rik	2.052	1.39	0.68	1.49	1.655	1.11
Tmcc3	2.676	1.811	0.68	3.405	2.712	0.80
Lipt2	2.988	2.021	0.68	2.182	1.793	0.82
Gm12986	3.3	2.232	0.68	3.512	3.172	0.90
Gm14698	6.244	4.211	0.67	6.119	5.838	0.95
Nod2	8.117	5.474	0.67	23.785	20.179	0.85
1700010I14Rik	1.873	1.263	0.67	2.022	1.793	0.89
Hmga2	221.163	149.099	0.67	382.841	296.385	0.77
Lmcd1	10.436	7.032	0.67	6.225	5.884	0.95
Ifit3	35.946	24.211	0.67	189.532	176.507	0.93
Zfp317	10.525	7.074	0.67	9.631	9.699	1.01
Mx2	6.601	4.421	0.67	19.687	18.938	0.96
Olfr456	1.383	0.926	0.67	2.128	2.022	0.95
Uchl4	3.969	2.653	0.67	3.299	3.172	0.96
Syt7	3.657	2.442	0.67	3.565	4.551	1.28
Ptar1	7.76	5.179	0.67	7.928	6.021	0.76
Tyr	2.275	1.516	0.67	2.288	2.068	0.90
Cgref1	2.72	1.811	0.67	1.809	1.379	0.76
Idua	2.72	1.811	0.67	1.649	1.563	0.95
Stambpl1	12.042	8	0.66	12.451	12.549	1.01
Gm21884	17.75	11.79	0.66	58.743	55.572	0.95
Samd5	11.373	7.537	0.66	12.025	12.181	1.01
Slc4a11	22.478	14.864	0.66	18.41	14.709	0.80
Armc7	7.582	5.011	0.66	7.609	7.86	1.03
Zfp955b	6.244	4.126	0.66	7.343	6.803	0.93
Bbs10	4.594	3.032	0.66	4.097	3.723	0.91
Zfp932	16.591	10.948	0.66	15.271	11.721	0.77
Phf7	3.702	2.442	0.66	4.044	3.218	0.80
Gchfr	3.256	2.147	0.66	1.809	1.425	0.79
Pde4a	20.248	13.348	0.66	16.122	14.065	0.87
Stap2	5.887	3.874	0.66	8.62	8.504	0.99
Zfp937	5.887	3.874	0.66	5.427	4.091	0.75
Nrarp	4.415	2.905	0.66	2.607	3.08	1.18
Gm15433	9.678	6.358	0.66	31.553	26.2	0.83

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Supplementary Table S1. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Tsen54	19.623	12.885	0.66	21.018	18.892	0.90
Gm14403	3.211	2.105	0.66	1.703	1.977	1.16
Acot8	8.161	5.348	0.66	5.959	6.757	1.13
Adrb2	4.504	2.947	0.65	3.086	2.62	0.85
Arsk	4.638	3.032	0.65	3.565	3.493	0.98
Lysmd4	7.805	5.095	0.65	4.15	4.091	0.99
Smim19	12.354	8.042	0.65	10.163	10.756	1.06
Acsbg1	28.008	18.232	0.65	28.573	24.04	0.84
Angptl4	11.194	7.284	0.65	36.076	37.646	1.04
9930111J21Rik1	36.437	23.706	0.65	49.165	39.208	0.80
Gspt2	9.143	5.937	0.65	6.97	8.09	1.16
Apol6	2.141	1.39	0.65	0.905	0.965	1.07
Ubxn2a	26.179	16.969	0.65	30.808	23.994	0.78
Scube3	11.373	7.369	0.65	6.97	6.113	0.88
Gm8995	17.706	11.453	0.65	65.82	52.584	0.80
Irf7	85.094	54.822	0.64	140.526	129.714	0.92
Gpatch1	12.621	8.127	0.64	7.29	9.699	1.33
Gm14405	4.594	2.947	0.64	3.991	3.401	0.85
Dclk2	6.601	4.211	0.64	6.545	5.975	0.91
Prickle2	12.086	7.705	0.64	5.8	5.194	0.90
Cth	6.556	4.169	0.64	8.992	6.757	0.75
Pkp1	7.894	5.011	0.63	8.035	6.481	0.81
Gm5946	3.389	2.147	0.63	2.075	2.39	1.15
Sgms2	53.875	34.106	0.63	75.876	63.34	0.83
Zfp800	19.177	12.127	0.63	18.623	16.364	0.88
Sema6b	1.07	0.674	0.63	2.128	1.793	0.84
Gm20939	3.345	2.105	0.63	1.862	1.885	1.01
Gm10638	2.141	1.347	0.63	1.117	1.149	1.03
Vash2	12.532	7.874	0.63	8.194	6.987	0.85
Tmem171	10.927	6.863	0.63	27.562	22.661	0.82
Tmem106a	12.488	7.832	0.63	20.432	16.731	0.82
Gpr84	0.268	0.168	0.63	3.193	3.631	1.14
Gm21911	10.481	6.569	0.63	33.628	31.348	0.93
Trim30d	4.103	2.568	0.63	14.739	13.284	0.90
Eid2b	4.192	2.611	0.62	3.299	3.08	0.93
Ereg	180.088	111.919	0.62	406.466	318.632	0.78
Fbln1	14.048	8.716	0.62	10.589	8.963	0.85
Cmpk2	25.198	15.621	0.62	71.673	64.443	0.90
Serpinb9b	25.956	16.043	0.62	23.838	20.363	0.85
Mgat4a	2.052	1.263	0.62	1.224	1.103	0.90
Phf11a	1.784	1.095	0.61	5.481	4.413	0.81
Trib2	23.637	14.485	0.61	13.515	12.043	0.89
Hspa1l	2.899	1.768	0.61	2.554	2.942	1.15
Cd38	2.631	1.6	0.61	3.246	2.574	0.79
Nrk	3.88	2.358	0.61	3.193	2.804	0.88
Gsto2	2.23	1.347	0.60	2.873	3.126	1.09
Usp43	3.835	2.316	0.60	6.545	7.263	1.11
Dusp23	2.72	1.642	0.60	2.873	2.298	0.80
AC133103.1	3.077	1.853	0.60	4.842	4.643	0.96
Gm13152	2.988	1.768	0.59	2.66	2.896	1.09

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Supplementary Table S1. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Fes	5.842	3.453	0.59	4.47	3.999	0.89
AC133103.2	4.638	2.737	0.59	15.324	13.284	0.87
Cyp2e1	3.077	1.811	0.59	3.086	2.436	0.79
Gm4994	2.007	1.179	0.59	1.703	1.655	0.97
Paqr7	5.664	3.326	0.59	5.002	3.769	0.75
Klf2	7.448	4.337	0.58	3.139	3.401	1.08
Areg	6.957	4	0.57	10.323	9.469	0.92
Styx	4.326	2.484	0.57	3.618	3.723	1.03
Mgst3	9.633	5.516	0.57	6.225	4.964	0.80
Styk1	11.729	6.695	0.57	10.482	9.699	0.93
Purg	2.23	1.263	0.57	1.49	1.563	1.05
Gm4951	4.46	2.526	0.57	12.717	13.284	1.04
C1ra	3.88	2.19	0.56	3.831	3.126	0.82
Gm15950	2.319	1.305	0.56	2.448	2.252	0.92
Socs1	2.943	1.642	0.56	5.374	5.516	1.03
Apol8	2.72	1.516	0.56	2.607	2.436	0.93
Atg14	9.544	5.305	0.56	8.673	8.182	0.94
Ctsw	3.3	1.811	0.55	2.288	2.39	1.04
Gbp2b	2.498	1.347	0.54	6.811	6.849	1.01
Pla2g7	5.129	2.695	0.53	2.448	2.022	0.83
Hpdl	1.784	0.926	0.52	2.128	1.701	0.80
Cfb	1.962	1.011	0.52	8.088	6.205	0.77
BC025446	3.389	1.726	0.51	2.022	1.517	0.75
Ccl20	4.058	2.063	0.51	51.879	44.816	0.86
Ccdc90b	5.887	2.99	0.51	4.47	4.183	0.94
Slc16a6	2.854	1.432	0.50	2.341	2.206	0.94
Cftr	8.697	4.337	0.50	6.864	7.263	1.06
Cxcl1	0.847	0.421	0.50	5.587	5.608	1.00
RP23-142E18.4	3.568	1.768	0.50	14.313	13.008	0.91
Ccdc158	2.72	1.347	0.50	2.235	2.068	0.93
Slc18a2	2.899	1.432	0.49	3.937	3.355	0.85
Gm14446	4.95	2.442	0.49	12.93	9.837	0.76
Col7a1	2.319	1.137	0.49	1.224	1.379	1.13
Traf1	0.446	0.211	0.47	3.884	3.585	0.92
AC125149.1	1.784	0.842	0.47	2.288	2.068	0.90
Ctsh	2.676	1.263	0.47	2.394	2.114	0.88
RP24-196H4.1	3.612	1.684	0.47	14.207	13.054	0.92
Ppp2r2c	3.3	1.516	0.46	1.862	1.655	0.89
Slc5a2	2.319	1.053	0.45	2.182	1.747	0.80
Sox9	2.408	1.053	0.44	2.767	2.62	0.95
Rnf135	5.173	2.105	0.41	4.15	5.332	1.28
Scn3b	2.319	0.884	0.38	1.33	1.057	0.79
Glt8d2	2.007	0.758	0.38	0.851	0.781	0.92
Il15ra	1.516	0.547	0.36	3.937	4.597	1.17
Nos2	0.892	0.295	0.33	16.122	12.87	0.80
Snx29	2.364	0.758	0.32	0.692	0.735	1.06

Supplementary Table S2. List of Genes differentially expressed only under TNF-α treatment

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Ddc	2.096	1.768	0.84	0.372	1.425	3.83
Fam180a	5.352	6.695	1.25	0.851	2.574	3.02
Gli2	4.861	5.895	1.21	0.639	1.839	2.88
Myl7	3.033	2.905	0.96	1.224	3.126	2.55
Ttc39c	3.211	3.537	1.10	2.873	6.481	2.26
Shf	3.345	2.695	0.81	1.437	3.126	2.18
Smpd5	2.096	2.442	1.17	0.851	1.747	2.05
Tmem231	4.727	5.811	1.23	2.607	5.286	2.03
Ankrd23	2.587	2.653	1.03	1.33	2.666	2.00
Gm13284	2.676	2.568	0.96	0.958	1.885	1.97
Syn1	2.007	2.484	1.24	1.383	2.666	1.93
Sowahd	4.906	6.021	1.23	1.809	3.447	1.91
March9	2.72	2.737	1.01	1.649	3.08	1.87
Tmem205	2.854	3.747	1.31	1.862	3.447	1.85
Gm12178	2.453	2.274	0.93	1.543	2.85	1.85
Tmem158	2.275	2.737	1.20	1.596	2.942	1.84
Gm13283	3.791	3.621	0.96	1.969	3.585	1.82
Al413582	7.939	7.537	0.95	5.8	10.434	1.80
Tpk1	8.429	9.895	1.17	6.598	11.813	1.79
Dnajc28	2.23	2.358	1.06	0.745	1.333	1.79
Tspyl4	6.11	7.453	1.22	2.501	4.459	1.78
Tcp11l1	3.345	4.295	1.28	1.756	3.126	1.78
Zfp775	3.166	2.526	0.80	1.596	2.758	1.73
Gm5350	2.185	2.316	1.06	1.596	2.758	1.73
Arxes1	2.498	3.158	1.26	1.171	2.022	1.73
Mrgprf	4.683	3.916	0.84	0.639	1.103	1.73
Igfbp5	4.906	5.348	1.09	0.426	0.735	1.73
Sh3yl1	4.371	4.842	1.11	4.044	6.941	1.72
Lrp2	21.229	22.274	1.05	9.791	16.639	1.70
Mtrf1	3.122	2.779	0.89	1.596	2.712	1.70
Nphp3	7.983	8.463	1.06	4.31	7.308	1.70
Gk5	5.173	5.684	1.10	3.991	6.757	1.69
Aars2	10.481	10.821	1.03	6.279	10.526	1.68
1600012H06Rik	17.393	22.443	1.29	15.005	24.867	1.66
Card14	3.3	3.369	1.02	1.277	2.114	1.66
Dand5	2.23	1.726	0.77	0.639	1.057	1.65
Mettl20	3.88	3.242	0.84	1.809	2.988	1.65
Emilin2	3.211	3.747	1.17	2.394	3.953	1.65
Acot11	4.817	5.895	1.22	1.756	2.896	1.65
Tmem14a	3.434	2.99	0.87	1.171	1.931	1.65
Peg10	13.201	17.516	1.33	9.791	16.134	1.65
Spred3	9.945	11.2	1.13	8.301	13.652	1.64
Six5	6.824	8.842	1.30	5.161	8.458	1.64
Rsph9	2.319	2.568	1.11	1.543	2.528	1.64
Igfbp2	3.211	2.905	0.90	1.543	2.528	1.64
Zfp94	2.319	3.032	1.31	2.394	3.907	1.63
Gm13080	2.453	3.074	1.25	2.128	3.447	1.62
4933427G23Rik	2.631	2.4	0.91	1.703	2.758	1.62
E130311K13Rik	2.185	1.642	0.75	1.649	2.666	1.62
Adam12	7.18	7.158	1.00	4.789	7.722	1.61

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Supplementary Table S2. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Rhebl1	2.007	2.611	1.30	2.341	3.769	1.61
Zbtb12	7.983	9.895	1.24	5.374	8.596	1.60
Piezo2	2.587	2.358	0.91	1.756	2.804	1.60
Nap1l2	2.631	2.568	0.98	1.383	2.206	1.60
Hist1h3h	5.798	7.369	1.27	3.033	4.826	1.59
Mogat2	2.453	2.274	0.93	1.649	2.62	1.59
Gmppb	39.782	51.538	1.30	31.5	49.872	1.58
Gm12804	3.88	3.663	0.94	2.501	3.953	1.58
Kbtbd7	4.95	4.969	1.00	2.767	4.367	1.58
Sh3rf3	9.053	11.832	1.31	5.534	8.687	1.57
Tigd5	3.345	3.79	1.13	1.703	2.666	1.57
Slc25a14	7.18	8.379	1.17	4.204	6.573	1.56
Gm18953	2.364	2.147	0.91	1.596	2.482	1.56
Mtss1	19.534	25.811	1.32	6.598	10.25	1.55
Gm9174	4.058	4	0.99	2.873	4.459	1.55
Mtcp1	2.096	1.979	0.94	1.543	2.39	1.55
Cyth4	5.798	5.684	0.98	4.576	7.079	1.55
Hdx	3.166	3.958	1.25	3.246	5.01	1.54
Hspa1b	7.849	6.526	0.83	4.948	7.63	1.54
Serpinb2	1.07	0.842	0.79	11.014	16.961	1.54
Jmjd7	2.854	3.495	1.22	2.182	3.355	1.54
Gm13378	4.906	4.126	0.84	3.352	5.148	1.54
Hspa1a	5.04	4.211	0.84	3.299	5.056	1.53
Tgfb1i1	21.363	24.548	1.15	14.633	22.385	1.53
Trim36	3.3	3.2	0.97	2.075	3.172	1.53
Gm13767	4.281	5.011	1.17	3.671	5.608	1.53
Bach2	3.077	2.442	0.79	2.022	3.08	1.52
Ankrd9	7.493	7.369	0.98	3.778	5.746	1.52
Btbd11	2.052	1.979	0.96	1.543	2.344	1.52
Gm13392	3.077	3.369	1.09	1.756	2.666	1.52
Trp53i13	8.295	8.548	1.03	5.002	7.584	1.52
Ndufaf3	7.27	8.127	1.12	5.215	7.906	1.52
Arhgap33	2.096	1.6	0.76	1.064	1.609	1.51
Ptpla	5.263	6.779	1.29	4.895	7.4	1.51
Mroh2a	6.957	6.863	0.99	5.108	7.722	1.51
Armc9	22.924	26.064	1.14	13.462	20.317	1.51
Zfp629	2.854	3.579	1.25	2.66	3.999	1.50
Zfp446	3.122	3.2	1.02	2.235	3.355	1.50
Ccdc96	3.434	4.169	1.21	2.235	3.355	1.50
Rasgef1b	2.23	2.316	1.04	1.596	2.39	1.50
1190007I07Rik	2.141	2.105	0.98	1.596	2.39	1.50
Gm8957	2.096	2.316	1.10	1.596	2.39	1.50
Mfsd2a	10.436	12.59	1.21	7.981	11.951	1.50
Brsk1	9.321	10.863	1.17	8.088	12.089	1.49
Ssbp2	27.696	31.917	1.15	23.252	34.75	1.49
Snapc5	5.753	4.379	0.76	3.033	4.505	1.49
Arhgef9	3.434	3.495	1.02	1.862	2.758	1.48
Gm20479	2.72	2.484	0.91	1.862	2.758	1.48
Psen2	8.607	10.653	1.24	5.587	8.274	1.48
Ccdc157	11.328	13.348	1.18	9.684	14.341	1.48

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Supplementary Table S2. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Iba57	6.556	7.116	1.09	5.747	8.504	1.48
Ppa2	13.112	14.064	1.07	7.928	11.721	1.48
Pcgf1	4.326	4.8	1.11	3.831	5.654	1.48
Ccdc104	29.346	31.875	1.09	19.847	29.234	1.47
Abcd1	13.781	16.085	1.17	7.183	10.572	1.47
Pex11g	4.371	4	0.92	2.501	3.677	1.47
Cys1	2.453	3.032	1.24	1.596	2.344	1.47
Rtn4ip1	6.69	6.358	0.95	4.789	7.033	1.47
Skp2	45.936	56.928	1.24	46.931	68.764	1.47
Gm11451	2.141	2.653	1.24	2.075	3.034	1.46
Zfp74	7.225	7.663	1.06	5.64	8.228	1.46
Tmem256	12.131	12.042	0.99	8.141	11.859	1.46
Prkd1	10.481	9.853	0.94	7.077	10.296	1.45
5330438I03Rik	11.774	13.769	1.17	7.183	10.434	1.45
Trpc1	3.925	4.421	1.13	3.139	4.551	1.45
Kcnab1	57.22	73.391	1.28	33.415	48.402	1.45
A630001G21Rik	2.141	2.063	0.96	1.809	2.62	1.45
Scn2b	2.631	2.358	0.90	1.809	2.62	1.45
Acadm	14.316	15.958	1.11	7.875	11.399	1.45
Hist1h4n	2.899	3.705	1.28	2.128	3.08	1.45
Zfp354a	3.166	2.442	0.77	2.288	3.31	1.45
Palmd	4.549	5.263	1.16	3.246	4.688	1.44
Pdzd4	9.589	12.295	1.28	5.959	8.596	1.44
Nim1	2.631	2.863	1.09	1.277	1.839	1.44
Cradd	3.166	3.453	1.09	2.075	2.988	1.44
Hist1h3b	5.575	7.284	1.31	3.352	4.826	1.44
Dennd4b	5.352	4.926	0.92	2.714	3.907	1.44
Elovl6	37.463	45.096	1.20	22.082	31.762	1.44
Sorcs2	3.077	3.242	1.05	2.82	4.045	1.43
Gpsm1	22.032	28.38	1.29	17.825	25.557	1.43
Trim46	6.155	6.821	1.11	4.842	6.941	1.43
Sec16b	6.244	7.748	1.24	3.884	5.562	1.43
Gfod1	13.29	15.453	1.16	11.334	16.226	1.43
Elavl2	5.396	5.348	0.99	5.108	7.308	1.43
Hist1h3d	5.932	7.2	1.21	3.246	4.643	1.43
Ccdc74a	3.479	3.916	1.13	1.543	2.206	1.43
Cbx8	9.901	10.442	1.05	6.013	8.596	1.43
Gamt	3.166	3.79	1.20	1.383	1.977	1.43
Abi3	2.854	3.495	1.22	2.128	3.034	1.43
Apool	7.448	6.316	0.85	5.002	7.125	1.42
Zfand1	8.474	9.558	1.13	4.842	6.895	1.42
6430548M08Rik	15.119	17.643	1.17	6.545	9.285	1.42
Sfrp2	23.905	31.117	1.30	16.282	23.075	1.42
Rnf144b	7.537	5.684	0.75	3.671	5.194	1.41
Dennd4a	13.736	17.179	1.25	13.143	18.57	1.41
Rnft2	2.631	2.358	0.90	1.596	2.252	1.41
Zfp940	4.326	3.284	0.76	3.193	4.505	1.41
Rrad	6.868	6.484	0.94	10.003	14.111	1.41
Rpp25	6.021	7.537	1.25	2.022	2.85	1.41
Suox	10.793	10.358	0.96	5.481	7.722	1.41

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Supplementary Table S2. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Gpr137	15.565	15.243	0.98	8.194	11.537	1.41
Atxn7l1	5.263	4.505	0.86	3.725	5.24	1.41
Ptcd2	16.055	16	1.00	12.451	17.513	1.41
Glipr2	36.749	43.875	1.19	46.665	65.593	1.41
Nt5dc1	11.462	9.853	0.86	10.535	14.801	1.40
Leng9	3.434	3.326	0.97	2.554	3.585	1.40
Egfl7	2.23	2.653	1.19	1.703	2.39	1.40
Id2	28.855	32.548	1.13	26.285	36.864	1.40
Tusc1	8.161	7.832	0.96	7.29	10.204	1.40
Cd28	3.434	3.705	1.08	3.778	5.286	1.40
Rcn3	76.352	100.171	1.31	58.583	81.956	1.40
Lrrc4c	3.345	3.832	1.15	2.235	3.126	1.40
Tspan12	2.453	2.484	1.01	1.649	2.298	1.39
Klf9	25.243	28.969	1.15	17.985	25.051	1.39
Cdkn1b	48.88	56.675	1.16	28.201	39.254	1.39
Cd24a	99.454	123.624	1.24	66.778	92.942	1.39
Zfp189	5.307	5.474	1.03	3.831	5.332	1.39
Chrd	21.095	27.495	1.30	13.249	18.432	1.39
5830415F09Rik	6.378	5.6	0.88	5.321	7.4	1.39
Swsap1	5.396	7.074	1.31	4.629	6.435	1.39
Axin2	5.53	5.937	1.07	4.895	6.803	1.39
Tmem198b	16.189	19.916	1.23	12.345	17.145	1.39
Ldhd	4.549	4.926	1.08	4.47	6.205	1.39
Copz2	18.999	19.622	1.03	12.451	17.283	1.39
Zfp821	8.474	9.516	1.12	6.758	9.377	1.39
Cog5	10.168	11.706	1.15	6.864	9.515	1.39
2310039H08Rik	7.448	9.348	1.26	6.438	8.917	1.39
Prr3	15.163	16.169	1.07	13.622	18.846	1.38
Zfp768	9.589	10.906	1.14	8.673	11.997	1.38
Zfp59	2.408	2.526	1.05	1.33	1.839	1.38
Dapk2	5.129	5.179	1.01	2.128	2.942	1.38
Znrd1as	2.81	2.484	0.88	1.596	2.206	1.38
Gm6264	5.084	4.716	0.93	4.257	5.884	1.38
Celf5	6.957	5.895	0.85	3.991	5.516	1.38
Dusp3	52.715	68.465	1.30	57.094	78.877	1.38
Pcyt1b	10.882	10.779	0.99	5.002	6.895	1.38
Fam171b	8.474	8.421	0.99	4.47	6.159	1.38
Pdcd2l	7.448	8	1.07	5.906	8.136	1.38
Tigd3	2.542	3.326	1.31	1.969	2.712	1.38
Wdr90	22.299	28.295	1.27	13.888	19.122	1.38
Tnk1	2.364	1.937	0.82	1.703	2.344	1.38
Zfp566	3.434	3.453	1.01	2.714	3.723	1.37
Fam189b	15.565	16.421	1.05	10.589	14.525	1.37
Il18bp	1.516	1.642	1.08	3.086	4.229	1.37
Rnf138	19.043	14.358	0.75	16.016	21.925	1.37
Jarid2	13.424	15.074	1.12	8.833	12.089	1.37
Gm7572	3.969	4	1.01	3.193	4.367	1.37
Neil1	2.185	2.442	1.12	1.916	2.62	1.37
Gm21857	7.537	8.084	1.07	7.13	9.745	1.37
Arl3	27.116	31.327	1.16	21.763	29.74	1.37

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Supplementary Table S2. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Klhl23	4.014	4.211	1.05	2.927	3.999	1.37
Epb4.1l3	72.874	83.328	1.14	45.547	62.145	1.36
Tfap4	15.922	17.306	1.09	13.888	18.938	1.36
Cap2	4.594	4.674	1.02	3.139	4.275	1.36
Pemt	9.41	8.505	0.90	7.024	9.561	1.36
Zfp760	5.976	5.179	0.87	3.884	5.286	1.36
Gm20538	2.542	2.358	0.93	2.501	3.401	1.36
Gm17084	10.837	11.495	1.06	8.992	12.227	1.36
Spata2l	3.523	3.284	0.93	1.117	1.517	1.36
Alkbh7	9.589	9.769	1.02	5.693	7.722	1.36
Thra	30.996	39.454	1.27	14.1	19.122	1.36
Gm10307	4.371	4.632	1.06	3.086	4.183	1.36
Lmtk3	10.302	12.506	1.21	6.651	9.009	1.35
Mks1	2.007	2.063	1.03	1.969	2.666	1.35
Gm3788	27.606	33.053	1.20	24.583	33.279	1.35
Klc2	25.376	27.959	1.10	17.346	23.442	1.35
Bves	3.88	5.137	1.32	3.778	5.102	1.35
Kptn	7.939	6.19	0.78	4.629	6.251	1.35
Lace1	4.727	5.095	1.08	3.405	4.597	1.35
Gng10	27.829	30.148	1.08	26.339	35.531	1.35
Xbp1	60.832	80.676	1.33	56.828	76.578	1.35
AA415398	2.052	2.19	1.07	1.809	2.436	1.35
Irx5	4.638	3.916	0.84	2.288	3.08	1.35
Fbxo48	3.702	3.242	0.88	2.288	3.08	1.35
Snrnp35	13.692	16.758	1.22	13.249	17.835	1.35
Gm9776	3.389	3.621	1.07	2.767	3.723	1.35
Npcd	19.846	22.443	1.13	12.717	17.099	1.34
Cetn2	15.877	17.727	1.12	13.888	18.662	1.34
Rab4b	25.287	29.853	1.18	19.262	25.878	1.34
Wnt9a	21.05	25.938	1.23	13.941	18.708	1.34
Gm7583	2.899	3.2	1.10	2.501	3.355	1.34
Gm16199	5.173	4.126	0.80	4.044	5.424	1.34
Lepre1	74.033	92.929	1.26	57.2	76.716	1.34
D630032N06Rik	4.995	5.474	1.10	3.565	4.78	1.34
Lyrm7	4.549	4.295	0.94	4.15	5.562	1.34
Hist1h3a	4.906	5.516	1.12	2.607	3.493	1.34
Arnt2	16.858	22.358	1.33	9.471	12.686	1.34
G6pc3	8.741	10.106	1.16	6.864	9.193	1.34
Foxf2	19.534	25.348	1.30	17.985	24.086	1.34
Dync2li1	3.568	4.716	1.32	3.193	4.275	1.34
Stoml1	7.939	9.6	1.21	6.492	8.687	1.34
Tspan17	5.352	6.526	1.22	3.618	4.826	1.33
Asb13	9.856	10.358	1.05	13.728	10.296	0.75
Col8a1	23.191	18.653	0.80	24.955	18.708	0.75
Gnpda2	13.023	12.463	0.96	14.845	11.124	0.75
Mns1	16.992	15.832	0.93	15.218	11.399	0.75
Matn2	8.786	9.137	1.04	10.801	8.09	0.75
BC022960	2.408	2.905	1.21	2.394	1.793	0.75
Efna3	2.096	2.695	1.29	1.596	1.195	0.75
Foxp2	3.791	4.337	1.14	5.587	4.183	0.75

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Supplementary Table S2. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Rdm1	4.371	3.874	0.89	3.991	2.988	0.75
B3gntl1	8.384	9.642	1.15	8.78	6.573	0.75
Gm12500	2.498	3.074	1.23	4.789	3.585	0.75
Fbxo6	19.489	17.222	0.88	16.335	12.227	0.75
Slc25a33	10.079	7.874	0.78	13.941	10.434	0.75
Hist1h2ao	24.395	27.832	1.14	23.093	17.283	0.75
Unc93b1	8.384	7.327	0.87	11.121	8.32	0.75
1700029J07Rik	3.479	4.59	1.32	4.363	3.264	0.75
Pcdh15	2.007	2.526	1.26	2.767	2.068	0.75
Srpx	4.192	4	0.95	3.937	2.942	0.75
Wisp1	192.576	147.035	0.76	165.747	123.831	0.75
Tcea3	2.676	2.863	1.07	1.969	1.471	0.75
Il11	2.185	1.853	0.85	1.969	1.471	0.75
3110001I22Rik	6.422	5.642	0.88	7.449	5.562	0.75
Timm21	10.57	11.369	1.08	10.961	8.182	0.75
Tnfsf18	1.204	0.926	0.77	5.481	4.091	0.75
Tnfsf15	0.847	0.758	0.89	2.341	1.747	0.75
Rps19-ps10	1.829	2.021	1.10	2.341	1.747	0.75
Ptpn7	17.304	13.221	0.76	16.388	12.227	0.75
Gm8724	3.523	4.421	1.25	4.682	3.493	0.75
Krt17	2.275	2.063	0.91	3.512	2.62	0.75
Chm	16.323	14.569	0.89	18.623	13.882	0.75
Gm12231	24.93	18.822	0.75	26.764	19.949	0.75
Slc38a5	1.784	2.105	1.18	2.714	2.022	0.75
Hist1h2bf	4.995	5.305	1.06	4.629	3.447	0.74
Chrm1	3.835	3.663	0.96	3.831	2.85	0.74
Insm1	2.542	2.779	1.09	3.831	2.85	0.74
Ryr2	3.925	4.632	1.18	5.747	4.275	0.74
Sirt5	1.784	2.232	1.25	2.66	1.977	0.74
Alms1-ps2	5.084	4.674	0.92	4.576	3.401	0.74
Mccc1	15.297	14.653	0.96	15.59	11.583	0.74
Rreb1	29.212	31.159	1.07	28.893	21.466	0.74
Tex15	7.448	6.105	0.82	9.471	7.033	0.74
Gm14214	2.141	2.232	1.04	3.033	2.252	0.74
Cd22	2.141	2.484	1.16	3.405	2.528	0.74
Hist1h2ag	20.783	24.422	1.18	20.06	14.893	0.74
Gm21798	3.033	3.621	1.19	3.778	2.804	0.74
Gm8835	2.676	3.242	1.21	4.15	3.08	0.74
Zfp213	15.565	16.843	1.08	19.581	14.525	0.74
Hist1h2ap	28.855	33.517	1.16	27.775	20.592	0.74
Cd97	30.416	23.243	0.76	21.709	16.088	0.74
Nfe2l2	132.056	109.14	0.83	135.418	100.296	0.74
Gm6092	4.103	4.758	1.16	5.959	4.413	0.74
Cdh26	4.549	4.758	1.05	4.097	3.034	0.74
Lyplal1	4.148	4.969	1.20	4.47	3.31	0.74
Tchh	8.697	7.158	0.82	7.822	5.792	0.74
Cyp2j6	6.199	5.6	0.90	7.822	5.792	0.74
Gm11027	3.612	4.084	1.13	5.215	3.861	0.74
Ppp1r17	2.052	2.4	1.17	2.98	2.206	0.74
Dennd1b	25.733	22.401	0.87	26.392	19.535	0.74

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Supplementary Table S2. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Gm10040	14.807	14.442	0.98	18.144	13.422	0.74
B630005N14Rik	31.085	25.938	0.83	33.628	24.867	0.74
Nhsl2	4.594	5.474	1.19	6.279	4.643	0.74
Gm9864	16.368	14.611	0.89	19.209	14.203	0.74
Gm14277	4.014	3.411	0.85	4.789	3.539	0.74
Gm12757	2.631	2.779	1.06	3.671	2.712	0.74
Gm9392	16.234	12.295	0.76	14.686	10.848	0.74
Dpcr1	4.148	5.137	1.24	6.225	4.597	0.74
Sdsl	4.995	4.547	0.91	3.299	2.436	0.74
Acpl2	3.835	3.2	0.83	2.554	1.885	0.74
Gm6382	8.34	8.295	0.99	10.589	7.814	0.74
Abhd10	12.711	12.463	0.98	13.834	10.204	0.74
Gm16238	6.511	7.369	1.13	9.099	6.711	0.74
Atp9a	6.779	6.274	0.93	6.864	5.056	0.74
Igf1	13.424	10.358	0.77	10.801	7.952	0.74
Fancm	32.111	31.243	0.97	30.223	22.247	0.74
Gm11224	8.563	7.495	0.88	11.493	8.458	0.74
B430306N03Rik	2.319	2.695	1.16	2.873	2.114	0.74
Gm9049	8.786	8.716	0.99	11.121	8.182	0.74
Gm9045	8.786	8.716	0.99	11.121	8.182	0.74
Nynrin	8.786	9.39	1.07	5.374	3.953	0.74
AC133487.1	7.002	7.411	1.06	6.811	5.01	0.74
Hist1h1c	23.191	17.432	0.75	17.506	12.87	0.74
Hagh	11.462	9.306	0.81	8.567	6.297	0.74
BC021767	8.518	8.716	1.02	12.132	8.917	0.73
9430038I01Rik	3.122	2.947	0.94	3.565	2.62	0.73
Vsig10	16.412	13.221	0.81	13.515	9.929	0.73
Akr1c13	2.943	2.568	0.87	3.193	2.344	0.73
E130201H02Rik	2.23	2.653	1.19	3.193	2.344	0.73
Cntnap1	5.486	6.148	1.12	7.077	5.194	0.73
Gm11643	1.962	1.979	1.01	2.82	2.068	0.73
Ecm1	130.406	101.897	0.78	121.477	89.081	0.73
Mcf2l	4.237	5.348	1.26	4.576	3.355	0.73
Slc29a4	2.81	2.526	0.90	1.756	1.287	0.73
Ccnb2-ps	2.275	1.937	0.85	2.448	1.793	0.73
Slc1a4	20.515	21.095	1.03	17.665	12.916	0.73
Skint7	2.988	3.411	1.14	4.15	3.034	0.73
A430078G23Rik	2.185	2.19	1.00	2.075	1.517	0.73
Npr3	40.54	33.264	0.82	26.179	19.122	0.73
Sp6	5.798	5.095	0.88	4.47	3.264	0.73
Ttc25	2.408	2.147	0.89	3.778	2.758	0.73
Xrcc2	20.827	23.622	1.13	25.221	18.386	0.73
Pde6h	2.81	3.326	1.18	3.405	2.482	0.73
Gm9575	4.594	5.979	1.30	6.811	4.964	0.73
Nudt12	15.208	14.064	0.92	15.963	11.629	0.73
Rnf166	16.368	16.59	1.01	16.282	11.859	0.73
Thsd4	8.563	9.642	1.13	7.449	5.424	0.73
Lancl1	26.313	19.79	0.75	19.634	14.295	0.73
Tg	5.084	4.547	0.89	4.736	3.447	0.73
Tns4	6.957	8.548	1.23	12.823	9.331	0.73

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Supplementary Table S2. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
2510002D24Rik	8.875	8.548	0.96	8.78	6.389	0.73
Gm11448	1.16	1.432	1.23	2.022	1.471	0.73
Nav1	5.842	4.8	0.82	5.374	3.907	0.73
Lage3	20.694	18.864	0.91	20.486	14.893	0.73
Impg1	2.096	2.526	1.21	3.352	2.436	0.73
Tmem181b-ps	4.995	6.19	1.24	5.693	4.137	0.73
Onecut3	1.739	2.063	1.19	2.341	1.701	0.73
3110057O12Rik	3.746	4.084	1.09	4.682	3.401	0.73
4930500M09Rik	4.192	3.958	0.94	4.682	3.401	0.73
Gm16177	2.676	3.032	1.13	3.671	2.666	0.73
Satb2	2.542	2.947	1.16	3.991	2.896	0.73
Ccser1	6.511	7.453	1.14	5.321	3.861	0.73
Slc2a9	5.753	4.716	0.82	6.97	5.056	0.73
Six3	5.619	6.863	1.22	8.301	6.021	0.73
Hist1h4c	3.256	3.242	1.00	2.98	2.16	0.72
Sars	154.221	120.929	0.78	166.864	120.843	0.72
Foxn3	16.011	14.611	0.91	14.739	10.664	0.72
Ptgfr	3.033	3.79	1.25	4.576	3.31	0.72
Etaa1	20.738	22.022	1.06	27.456	19.857	0.72
Tmem181c-ps	16.814	15.032	0.89	18.304	13.238	0.72
Fam175a	7.27	7.074	0.97	7.822	5.654	0.72
Tlcd2	5.709	5.558	0.97	6.492	4.688	0.72
Ldlrad3	11.596	15.032	1.30	13.941	10.066	0.72
Txnrd2	7.27	7.663	1.05	7.077	5.102	0.72
Ago2	120.148	96.339	0.80	128.288	92.39	0.72
Cdca7l	34.252	28.211	0.82	33.256	23.948	0.72
Gal3st4	1.561	1.811	1.16	2.554	1.839	0.72
Gm26620	1.338	1.726	1.29	2.554	1.839	0.72
Pappa2	4.281	5.263	1.23	6.385	4.597	0.72
Hmgcll1	2.185	2.021	0.92	1.596	1.149	0.72
Gm7393	4.148	5.474	1.32	5.427	3.907	0.72
Chrna1	3.122	2.737	0.88	3.831	2.758	0.72
Acpp	5.798	4.969	0.86	6.066	4.367	0.72
Glce	48.255	36.969	0.77	38.63	27.809	0.72
Kirrel3	2.408	1.895	0.79	0.639	0.46	0.72
Erich1	13.335	13.264	0.99	14.686	10.572	0.72
Gm20708	8.117	9.474	1.17	10.855	7.814	0.72
Gm20426	2.631	2.063	0.78	3.512	2.528	0.72
Vwf	4.058	4.042	1.00	4.789	3.447	0.72
Cplx3	2.453	2.232	0.91	3.193	2.298	0.72
Camk2b	6.155	6.821	1.11	5.374	3.861	0.72
1700049G17Rik	3.166	3.495	1.10	5.055	3.631	0.72
Gm15470	3.88	4.211	1.09	5.055	3.631	0.72
Cdadc1	7.314	7.158	0.98	7.556	5.424	0.72
Usp44	2.23	2.905	1.30	3.459	2.482	0.72
Kcnj2	2.408	2.653	1.10	3.139	2.252	0.72
Fmo1	6.824	6.316	0.93	7.822	5.608	0.72
Pbx4	5.129	4.8	0.94	4.682	3.355	0.72
BC094916	3.657	4.042	1.11	6.864	4.918	0.72
Mcpt8	1.115	0.926	0.83	2.182	1.563	0.72

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Supplementary Table S2. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
4933427I04Rik	4.103	4.379	1.07	4.044	2.896	0.72
1600014C10Rik	13.558	14.99	1.11	13.994	10.02	0.72
Rhbdl2	2.943	2.484	0.84	3.991	2.85	0.71
Alms1-ps1	4.014	4.337	1.08	3.991	2.85	0.71
Gm14567	16.68	15.958	0.96	20.539	14.663	0.71
Bend4	13.513	11.748	0.87	13.462	9.607	0.71
Ppp2r3d	3.256	4.084	1.25	3.352	2.39	0.71
CAAA01154301.1	3.256	4.084	1.25	3.352	2.39	0.71
Mcm9	12.086	10.484	0.87	11.866	8.458	0.71
Pcp2	2.765	3.621	1.31	5.161	3.677	0.71
Ogfrl1	4.95	6.232	1.26	6.066	4.321	0.71
Gm2237	2.631	2.737	1.04	3.033	2.16	0.71
Bgn	51.957	47.37	0.91	47.25	33.647	0.71
Gm1848	4.638	4.8	1.03	5.747	4.091	0.71
Gm7117	4.594	4.758	1.04	6.651	4.734	0.71
Gm11331	2.676	2.19	0.82	2.714	1.931	0.71
Elavl3	3.166	3.284	1.04	4.523	3.218	0.71
Adamts14	4.817	5.263	1.09	6.332	4.505	0.71
Ltb4r2	2.141	1.726	0.81	1.809	1.287	0.71
Armc2	4.95	5.853	1.18	6.917	4.918	0.71
Kcnk2	3.389	3.832	1.13	5.108	3.631	0.71
Proser2	5.575	4.421	0.79	7.503	5.332	0.71
AU018091	7.359	6.821	0.93	9.897	7.033	0.71
AU018091	7.359	6.821	0.93	9.897	7.033	0.71
Zfp174	2.141	2.358	1.10	2.394	1.701	0.71
Pold4	21.273	18.064	0.85	19.421	13.79	0.71
POLD4	21.273	18.064	0.85	19.421	13.79	0.71
Slc26a11	5.575	6.4	1.15	5.374	3.815	0.71
Arhgap26	4.281	4.59	1.07	6.864	4.872	0.71
Aoc2	3.702	3.2	0.86	6.864	4.872	0.71
Gm10913	4.683	3.79	0.81	5.959	4.229	0.71
Fras1	28.944	34.401	1.19	16.388	11.629	0.71
Gm9938	7.225	6.905	0.96	8.939	6.343	0.71
Gm9044	6.422	6.105	0.95	8.035	5.7	0.71
Gm9040	6.422	6.105	0.95	8.035	5.7	0.71
D430041D05Rik	2.23	2.821	1.27	3.565	2.528	0.71
Gm5445	4.46	4.421	0.99	4.736	3.355	0.71
Nipal3	9.99	9.474	0.95	8.247	5.838	0.71
Mrgbp	23.236	20.969	0.90	29.052	20.547	0.71
Glb1l	6.11	5.516	0.90	4.682	3.31	0.71
Epn3	14.45	12.506	0.87	9.365	6.619	0.71
Tbc1d7	10.481	9.053	0.86	9.897	6.987	0.71
Mfsd12	16.635	16.548	0.99	14.845	10.48	0.71
Ckb	6.065	5.221	0.86	3.193	2.252	0.71
Dsg2	27.294	20.674	0.76	38.151	26.89	0.70
Cabp5	3.211	3.747	1.17	4.895	3.447	0.70
Nek3	8.295	7.832	0.94	8.62	6.067	0.70
Limch1	14.138	10.737	0.76	8.035	5.654	0.70
Fam160a1	9.455	9.137	0.97	8.035	5.654	0.70
Tesk2	12.265	10.99	0.90	10.323	7.263	0.70

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Supplementary Table S2. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
D11Wsu47e	13.469	16.043	1.19	17.719	12.457	0.70
Zc3h3	16.457	17.222	1.05	20.273	14.249	0.70
Tubgcp5	16.011	13.264	0.83	17.08	11.997	0.70
Cpeb1	2.765	3.158	1.14	2.554	1.793	0.70
Pla2r1	8.875	8.8	0.99	11.919	8.366	0.70
Wdr17	4.683	4.632	0.99	4.523	3.172	0.70
Cxxc4	4.817	4.632	0.96	4.523	3.172	0.70
Grem1	10.302	10.906	1.06	13.568	9.515	0.70
Tcf7	6.244	6.653	1.07	7.609	5.332	0.70
Mcm8	10.971	10.99	1.00	10.961	7.676	0.70
Adarb2	2.23	2.526	1.13	3.086	2.16	0.70
Lhpp	9.41	7.327	0.78	8.407	5.884	0.70
Gm7353	13.959	14.695	1.05	17.932	12.549	0.70
AC132586.1	13.959	14.695	1.05	17.932	12.549	0.70
Zfp40	4.326	4.379	1.01	4.204	2.942	0.70
Gm16210	1.338	1.011	0.76	2.235	1.563	0.70
Galnt13	2.275	2.4	1.05	3.352	2.344	0.70
Ank1	45.802	36.969	0.81	44.004	30.751	0.70
Nlrp10	1.829	2.063	1.13	2.501	1.747	0.70
Gm14251	3.077	2.316	0.75	3.884	2.712	0.70
Pax1	2.854	3.453	1.21	4.15	2.896	0.70
Gm11400	8.206	7.958	0.97	10.216	7.125	0.70
Emc9	3.077	2.442	0.79	1.649	1.149	0.70
Mien1	17.438	14.569	0.84	17.878	12.457	0.70
Vnn1	21.14	15.874	0.75	21.124	14.709	0.70
Gm10181	2.408	3.158	1.31	3.565	2.482	0.70
Mef2c	2.542	2.105	0.83	1.916	1.333	0.70
Scrt2	2.899	3.369	1.16	4.097	2.85	0.70
Rgs4	6.645	5.726	0.86	8.46	5.884	0.70
Cisd3	14.361	13.137	0.91	15.803	10.986	0.70
Gpc2	6.957	8.884	1.28	9.258	6.435	0.70
Draxin	1.784	2.063	1.16	2.448	1.701	0.69
Tcp11l2	2.542	2.4	0.94	2.448	1.701	0.69
Pard3b	10.481	12.127	1.16	10.855	7.538	0.69
Efr3b	3.077	2.611	0.85	2.98	2.068	0.69
Zfat	11.016	10.063	0.91	12.717	8.825	0.69
Lgalsl	4.415	3.621	0.82	4.31	2.988	0.69
Cryz	6.244	6.526	1.05	6.438	4.459	0.69
1600029D21Rik	3.345	3.284	0.98	7.236	5.01	0.69
C330018D20Rik	8.117	6.611	0.81	9.365	6.481	0.69
4930422G04Rik	16.814	15.369	0.91	21.55	14.893	0.69
Rnf165	2.676	3.326	1.24	3.991	2.758	0.69
Gm11868	3.434	3.032	0.88	3.459	2.39	0.69
Gm10801	2.498	1.937	0.78	2.927	2.022	0.69
Tmem160	14.138	16.464	1.16	15.91	10.986	0.69
Leprel1	7.047	6.99	0.99	7.662	5.286	0.69
Aaed1	7.939	8.969	1.13	10.003	6.895	0.69
Gm20441	5.084	5.011	0.99	4.47	3.08	0.69
Crlf3	27.696	27.706	1.00	29.584	20.363	0.69
Nsun3	8.384	7.411	0.88	7.822	5.378	0.69

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Supplementary Table S2. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Tusc2	12.131	14.19	1.17	12.77	8.779	0.69
Usp2	5.129	6.821	1.33	5.161	3.539	0.69
Pet100	4.727	3.747	0.79	5.906	4.045	0.68
Olfr1346	2.943	3.158	1.07	4.363	2.988	0.68
4930529C04Rik	2.988	3.537	1.18	4.363	2.988	0.68
Tprn	15.654	16.169	1.03	19.475	13.33	0.68
Rpl31-ps17	3.122	3.958	1.27	4.097	2.804	0.68
Pim2	7.136	7.284	1.02	6.651	4.551	0.68
Dph2	20.471	18.864	0.92	27.616	18.892	0.68
Gm10479	2.141	1.979	0.92	2.554	1.747	0.68
Itga1	5.53	6.611	1.20	4.842	3.31	0.68
Fpgt	6.868	8.084	1.18	8.141	5.562	0.68
Ppargc1a	2.408	2.863	1.19	3.299	2.252	0.68
Gm7734	2.587	2.737	1.06	3.299	2.252	0.68
Slc6a9	12.398	10.274	0.83	10.642	7.263	0.68
Cdh23	1.472	1.853	1.26	3.033	2.068	0.68
Gm6517	2.275	2.442	1.07	3.033	2.068	0.68
Klhdc8b	3.166	2.611	0.82	2.767	1.885	0.68
Hoxa1	2.408	2.568	1.07	1.756	1.195	0.68
Hecw2	2.141	1.853	0.87	1.756	1.195	0.68
Vwa5b2	3.345	3.116	0.93	4.257	2.896	0.68
Rdh19	3.033	3.747	1.24	4.257	2.896	0.68
1600002K03Rik	6.244	4.884	0.78	5.481	3.723	0.68
Vmn1r-ps135	2.943	3.874	1.32	4.47	3.034	0.68
Sord	15.119	11.958	0.79	10.376	7.033	0.68
Unc5d	2.141	2.737	1.28	2.714	1.839	0.68
Gm10463	2.052	2.653	1.29	2.714	1.839	0.68
Reep2	4.594	4.8	1.04	5.906	3.999	0.68
Nkx2-9	5.173	4.8	0.93	6.598	4.459	0.68
Zufsp	5.084	5.221	1.03	6.332	4.275	0.68
Rasa4	5.173	5.137	0.99	5.108	3.447	0.67
Katnal2	1.65	1.474	0.89	2.182	1.471	0.67
Fam71f1	2.185	1.811	0.83	2.182	1.471	0.67
Dll1	4.549	3.874	0.85	2.873	1.931	0.67
Pdk2	2.542	2.484	0.98	1.437	0.965	0.67
Fuca2	23.548	21.306	0.90	23.04	15.444	0.67
Smad9	13.201	12.421	0.94	8.78	5.884	0.67
Rpl15-ps1	1.516	1.6	1.06	2.607	1.747	0.67
Tmem86a	3.969	3.958	1.00	5.215	3.493	0.67
Ccdc24	4.371	5.558	1.27	4.257	2.85	0.67
Hes7	2.096	2.611	1.25	2.82	1.885	0.67
Alpk1	8.384	6.611	0.79	8.939	5.975	0.67
Gm5967	3.657	4.674	1.28	3.991	2.666	0.67
Mmp10	1.561	1.516	0.97	20.379	13.606	0.67
Cideb	2.81	2.358	0.84	3.725	2.482	0.67
Tmem170	3.835	3.032	0.79	3.937	2.62	0.67
Gm12196	2.319	2.316	1.00	2.075	1.379	0.66
Mtfr2	14.584	13.685	0.94	15.91	10.572	0.66
Sorbs1	4.95	4.842	0.98	5.268	3.493	0.66
Gm9046	4.638	4.463	0.96	6.172	4.091	0.66

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Supplementary Table S2. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Nudt6	5.976	5.642	0.94	7.981	5.286	0.66
Fcer2a	1.695	1.768	1.04	3.193	2.114	0.66
Tbx22	1.427	1.642	1.15	2.022	1.333	0.66
Zfr2	1.784	2.063	1.16	2.022	1.333	0.66
Gpr149	2.943	3.916	1.33	5.161	3.401	0.66
Gm9048	4.727	4.547	0.96	6.279	4.137	0.66
Aox1	20.471	17.095	0.84	14.26	9.377	0.66
Rab4a	8.429	9.6	1.14	8.673	5.7	0.66
Ctnnal1	27.294	24.885	0.91	19.262	12.64	0.66
Frmd5	1.962	2.484	1.27	2.873	1.885	0.66
Lctl	3.256	3.663	1.13	4.416	2.896	0.66
Gpr88	10.168	9.516	0.94	7.29	4.78	0.66
Tubd1	8.474	6.653	0.79	7.715	5.056	0.66
Slc37a1	2.319	1.895	0.82	3.512	2.298	0.65
Pde5a	12.844	10.063	0.78	9.631	6.297	0.65
Slc35f2	12.175	10.148	0.83	12.238	7.998	0.65
Zfp938	5.307	4.8	0.90	6.332	4.137	0.65
Sqrdl	12.265	10.19	0.83	8.726	5.7	0.65
Aste1	6.021	5.474	0.91	6.545	4.275	0.65
Il1rn	5.932	6.526	1.10	11.334	7.4	0.65
Csf2rb2	2.007	2.19	1.09	2.82	1.839	0.65
Tmem243	2.676	2.358	0.88	3.459	2.252	0.65
Zfp61	2.854	3.453	1.21	4.523	2.942	0.65
Cytip	3.925	4.884	1.24	6.013	3.907	0.65
Pdlim2	22.522	20.422	0.91	15.377	9.974	0.65
Fam19a1	1.472	1.811	1.23	2.128	1.379	0.65
Gm10364	1.962	2.232	1.14	2.341	1.517	0.65
Pdlim4	2.408	2.821	1.17	2.341	1.517	0.65
Acacb	4.103	3.705	0.90	4.044	2.62	0.65
Gm13121	2.899	3.284	1.13	3.831	2.482	0.65
Zfp799	6.824	6.358	0.93	7.449	4.826	0.65
Gm16020	2.007	2.232	1.11	3.193	2.068	0.65
Hist2h2be	2.319	2.358	1.02	1.49	0.965	0.65
Mpzl3	7.136	7.116	1.00	9.684	6.251	0.65
F2rl1	8.875	8.421	0.95	11.546	7.446	0.64
2210408I21Rik	2.408	2.232	0.93	2.927	1.885	0.64
St14	14.628	11.074	0.76	15.644	10.066	0.64
Blvrb	8.474	7.411	0.87	7.077	4.551	0.64
Rtbdn	1.65	2.063	1.25	2.075	1.333	0.64
Rora	5.842	4.463	0.76	5.8	3.723	0.64
Gm15645	4.549	4.211	0.93	5.8	3.723	0.64
Zfp647	2.096	2.737	1.31	1.862	1.195	0.64
Gstt3	8.072	6.19	0.77	7.024	4.505	0.64
Fignl2	1.918	2.316	1.21	2.873	1.839	0.64
Fam214a	13.602	13.306	0.98	14.899	9.515	0.64
2810021J22Rik	5.441	5.895	1.08	5.693	3.631	0.64
Alx4	1.606	1.895	1.18	2.235	1.425	0.64
Carns1	2.631	2.021	0.77	2.235	1.425	0.64
CARNS1	2.631	2.021	0.77	2.235	1.425	0.64
Tmem79	5.441	4.295	0.79	4.257	2.712	0.64

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Supplementary Table S2. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Flrt1	6.556	7.242	1.10	4.257	2.712	0.64
Gm15443	2.185	1.853	0.85	2.022	1.287	0.64
Sned1	1.427	1.516	1.06	2.394	1.517	0.63
Phkg1	3.479	3.032	0.87	3.991	2.528	0.63
Nid2	6.065	5.684	0.94	5.959	3.769	0.63
Fcho1	3.612	2.947	0.82	1.969	1.241	0.63
Gm5778	3.88	3.621	0.93	5.108	3.218	0.63
Gm27018	2.007	2.063	1.03	3.139	1.977	0.63
Aasdh	7.18	6.821	0.95	6.864	4.321	0.63
Scly	9.053	8.337	0.92	10.323	6.481	0.63
Nipal1	1.07	1.179	1.10	2.714	1.701	0.63
Lsp1	11.551	10.821	0.94	6.385	3.999	0.63
Gm14137	1.472	1.853	1.26	3.671	2.298	0.63
Cox6b2	3.3	3.116	0.94	3.246	2.022	0.62
Tnfrsf11a	4.103	4.295	1.05	5.534	3.447	0.62
Sh3gl2	1.962	2.021	1.03	2.288	1.425	0.62
Hspa9-ps1	1.918	2.021	1.05	3.033	1.885	0.62
Acsm3	3.033	2.568	0.85	3.405	2.114	0.62
Mmp15	7.359	7.79	1.06	7.183	4.459	0.62
Gng7	3.523	2.779	0.79	2.075	1.287	0.62
Reep1	2.899	2.821	0.97	2.448	1.517	0.62
Impa2	13.112	10.316	0.79	12.611	7.814	0.62
Eno3	14.494	12.969	0.89	11.653	7.217	0.62
B230322F03Rik	4.237	4.674	1.10	5.8	3.585	0.62
Mxd1	8.652	8.169	0.94	9.524	5.884	0.62
Npr2	3.166	3.284	1.04	2.98	1.839	0.62
Spon1	1.784	1.347	0.76	2.235	1.379	0.62
Gm10161	1.873	2.105	1.12	2.767	1.701	0.61
Gm8429	2.007	1.811	0.90	2.767	1.701	0.61
Gm8946	2.319	2.653	1.14	2.022	1.241	0.61
Epas1	9.722	8.379	0.86	8.992	5.516	0.61
Tmem238	4.772	5.011	1.05	5.8	3.539	0.61
Tmem218	4.772	6.021	1.26	5.055	3.08	0.61
9230104M06Rik	3.345	3.242	0.97	3.246	1.977	0.61
Clec4a2	2.854	3.663	1.28	4.682	2.85	0.61
Msrb2	6.913	5.769	0.83	5.215	3.172	0.61
Dmpk	9.143	7.284	0.80	6.279	3.815	0.61
Pisd-ps1	7.448	8.421	1.13	10.003	6.067	0.61
Klc4	11.819	11.074	0.94	8.513	5.148	0.60
Gm14115	2.364	2.947	1.25	3.725	2.252	0.60
Gm12733	2.453	2.905	1.18	4.416	2.666	0.60
4732440D04Rik	2.141	2.105	0.98	2.288	1.379	0.60
Pkn3	5.396	5.811	1.08	4.736	2.85	0.60
Nfatc1	16.635	12.674	0.76	15.377	9.239	0.60
Pnma2	1.606	1.684	1.05	2.607	1.563	0.60
Zfp747	3.969	4.421	1.11	4.682	2.804	0.60
Armcx6	2.854	3.537	1.24	2.767	1.655	0.60
Mmaa	4.504	4.042	0.90	5.002	2.988	0.60
Ak9	2.408	2.821	1.17	2.927	1.747	0.60
Gm14322	1.829	2.316	1.27	2.235	1.333	0.60

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Supplementary Table S2. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Gm10812	2.185	2.653	1.21	1.543	0.919	0.60
Trib3	8.83	6.737	0.76	10.11	6.021	0.60
Gm8648	2.23	2.526	1.13	2.554	1.517	0.59
Zfp873	3.211	2.737	0.85	3.725	2.206	0.59
Megf6	19.088	18.232	0.96	10.961	6.481	0.59
Ccdc62	1.383	1.305	0.94	2.022	1.195	0.59
2010107G23Rik	3.568	3.326	0.93	4.044	2.39	0.59
Gm11380	3.612	4.674	1.29	4.204	2.482	0.59
Gm14263	3.256	3.663	1.13	5.693	3.355	0.59
F8	1.427	1.642	1.15	2.66	1.563	0.59
Repin1	5.352	6.063	1.13	6.225	3.631	0.58
Zfp930	7.716	6.4	0.83	7.822	4.551	0.58
Lrrc14b	3.702	4.084	1.10	5.853	3.401	0.58
Rasl2-9	2.007	2.484	1.24	3.405	1.977	0.58
Aldh5a1	2.988	2.779	0.93	2.554	1.471	0.58
Nxpe4	3.479	3.2	0.92	3.671	2.114	0.58
Slc16a4	2.587	2.442	0.94	2.235	1.287	0.58
Nebl	2.988	2.442	0.82	3.512	2.022	0.58
4933428G20Rik	5.976	5.726	0.96	7.556	4.321	0.57
Aqp3	1.873	2.063	1.10	3.618	2.068	0.57
Ago4	3.389	3.032	0.89	3.618	2.068	0.57
Loxl4	10.659	8.127	0.76	15.537	8.871	0.57
Cxcr2	3.256	2.779	0.85	5.161	2.942	0.57
D330045A20Rik	1.65	1.726	1.05	2.341	1.333	0.57
Veph1	2.498	2.821	1.13	2.182	1.241	0.57
Gm14006	1.829	1.726	0.94	2.022	1.149	0.57
Rgl3	8.251	8.042	0.97	8.833	5.01	0.57
Gm12778	2.765	2.947	1.07	4.15	2.344	0.56
Gm12943	1.739	1.726	0.99	2.607	1.471	0.56
Slc2a8	8.563	8.505	0.99	7.024	3.953	0.56
Igf2	1.784	1.684	0.94	2.288	1.287	0.56
Gm15796	1.784	1.937	1.09	3.193	1.793	0.56
Abat	13.781	11.327	0.82	12.611	7.079	0.56
Mfrp	4.594	3.705	0.81	3.618	2.022	0.56
Cabp1	1.472	1.937	1.32	2.394	1.333	0.56
Gm14763	1.561	1.684	1.08	2.394	1.333	0.56
Mettl25	5.753	5.263	0.91	7.715	4.275	0.55
Slit1	1.739	1.474	0.85	2.182	1.195	0.55
Vwa3a	1.338	1.642	1.23	2.022	1.103	0.55
Gm26956	1.873	1.811	0.97	2.022	1.103	0.55
Gm13988	4.594	3.663	0.80	4.31	2.344	0.54
Hcn2	2.988	2.611	0.87	3.299	1.793	0.54
Gm9719	1.829	1.853	1.01	2.128	1.149	0.54
Efcab5	1.918	1.642	0.86	2.82	1.517	0.54
Ndnf	2.007	1.684	0.84	1.543	0.827	0.54
Gm14057	1.516	1.347	0.89	2.075	1.103	0.53
Gm26529	2.899	3.032	1.05	4.416	2.344	0.53
Aldh1l1	3.702	3.579	0.97	3.565	1.885	0.53
Cryl1	1.606	1.853	1.15	2.714	1.425	0.53
Tbata	1.427	1.558	1.09	2.288	1.195	0.52

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Supplementary Table S2. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Aldh1a3	3.568	3.495	0.98	3.991	2.068	0.52
Gm4793	2.81	2.947	1.05	3.299	1.701	0.52
Gm5514	3.523	4.211	1.20	4.204	2.16	0.51
Gm14008	2.364	1.937	0.82	2.448	1.241	0.51
Erbb3	6.556	6.274	0.96	3.778	1.885	0.50
Arhgef6	2.72	2.063	0.76	1.862	0.919	0.49
Ppfia3	2.052	2.105	1.03	1.596	0.781	0.49
Iqgap2	3.434	2.821	0.82	2.927	1.425	0.49
Morn2	2.408	2.19	0.91	2.288	1.103	0.48
Gm14400	1.829	1.937	1.06	2.873	1.379	0.48
H2-M5	1.606	1.432	0.89	2.235	1.057	0.47
Gm8840	1.383	1.516	1.10	2.341	1.103	0.47
Rspo1	4.326	4.842	1.12	3.459	1.609	0.47
Acy3	5.976	4.674	0.78	5.002	2.298	0.46
Dhrs9	10.57	9.895	0.94	12.983	5.838	0.45
Arrdc2	2.453	2.653	1.08	2.075	0.919	0.44
Prrt2	2.007	2.19	1.09	0.958	0.414	0.43
Gm5117	1.338	1.432	1.07	2.341	1.011	0.43
Fam222a	1.962	2.484	1.27	2.448	1.057	0.43
Arpp21	1.516	1.516	1.00	2.128	0.873	0.41
Pcbd2	3.211	2.779	0.87	3.831	1.471	0.38
Col9a3	1.383	1.768	1.28	2.98	0.965	0.32
P2ry2	1.829	2.105	1.15	2.448	0.689	0.28
Enho	3.033	2.358	0.78	1.596	0.414	0.26

Supplementary Table S3. List of genes differentially expressed under both conditions

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Stmn4	1.606	6.99	4.35	3.246	9.101	2.80
Slc8a1	5.575	8.042	1.44	3.086	7.63	2.47
Kif5c	3.122	4.421	1.42	2.235	5.47	2.45
Gm6166	5.04	8.211	1.63	5.055	10.618	2.10
Fam131b	5.798	14.527	2.51	4.842	10.02	2.07
Col4a3	2.943	5.937	2.02	2.394	4.826	2.02
Sept4	2.542	4	1.57	0.639	1.287	2.01
Ppp1r3e	2.319	3.495	1.51	1.171	2.16	1.84
Rpusd3	3.523	5.558	1.58	2.714	4.918	1.81
Fabp5	8.563	13.179	1.54	8.939	16.18	1.81
Ggt7	1.606	3.832	2.39	2.235	3.953	1.77
Ankrd34a	4.549	7.495	1.65	4.736	8.366	1.77
Map9	7.225	9.769	1.35	5.534	9.653	1.74
Zc2hc1c	2.275	3.2	1.41	0.372	0.644	1.73
Rsph1	4.281	7.327	1.71	2.873	4.964	1.73
Elovl4	3.345	5.179	1.55	2.022	3.493	1.73
Fam213b	2.007	1.39	0.69	0.426	0.735	1.73
Syt11	46.694	86.276	1.85	40.971	70.189	1.71

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Supplementary Table S3. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Ttc16	2.185	3.074	1.41	1.383	2.344	1.69
Wnt10a	19.4	34.906	1.80	44.802	75.337	1.68
Mycn	8.117	12.253	1.51	3.725	6.159	1.65
Atf7	2.943	1.516	0.52	1.171	1.931	1.65
Medag	34.608	50.696	1.46	11.493	18.938	1.65
Daam2	42.145	58.444	1.39	15.324	24.5	1.60
Dnah7b	2.141	1.516	0.71	1.064	1.701	1.60
Rnf112	4.281	6.484	1.51	1.649	2.62	1.59
Rab36	3.033	4.295	1.42	1.862	2.942	1.58
Nr6a1	3.835	2.863	0.75	2.182	3.447	1.58
Foxp3	2.007	2.737	1.36	2.022	3.172	1.57
Bai2	50.218	72.297	1.44	25.221	39.392	1.56
Ahi1	14.494	19.79	1.37	12.238	19.076	1.56
H2-Ke6	3.479	4.884	1.40	2.98	4.643	1.56
Serp2	3.657	6.653	1.82	3.405	5.24	1.54
Nexn	3.345	2.274	0.68	1.437	2.206	1.54
Slc25a29	2.854	4.632	1.62	2.022	3.08	1.52
Uchl1	45.713	61.517	1.35	39.322	59.755	1.52
Cxcl5	127.328	176.636	1.39	181.444	275.562	1.52
Adcy1	7.939	11.958	1.51	5.587	8.458	1.51
Ankrd42	2.453	3.453	1.41	2.128	3.218	1.51
Slc4a8	8.161	14.021	1.72	6.332	9.561	1.51
Itgb8	9.187	18.19	1.98	6.598	9.929	1.50
Fam212a	3.791	2.526	0.67	2.394	3.585	1.50
Map1a	94.325	149.309	1.58	50.602	75.751	1.50
Usp11	3.702	2.568	0.69	1.383	2.068	1.50
Tmod2	5.753	7.958	1.38	6.704	9.974	1.49
Peg3	53.429	71.244	1.33	27.722	41.231	1.49
Fam171a2	14.361	19.706	1.37	5.64	8.366	1.48
Ptx3	29.836	41.012	1.37	81.304	120.475	1.48
Gm13142	2.052	1.347	0.66	1.117	1.655	1.48
Tmem108	50.842	77.139	1.52	28.946	42.748	1.48
Il6	4.014	8.042	2.00	13.568	19.949	1.47
Rabl5	15.609	23.916	1.53	14.1	20.73	1.47
Aldoc	5.173	7.79	1.51	3.459	5.056	1.46
Gm17711	4.415	2.99	0.68	3.086	4.505	1.46
Il16	16.769	24.295	1.45	10.003	14.571	1.46
Nox1	2.81	1.726	0.61	2.501	3.631	1.45
Taf7	8.295	5.853	0.71	5.215	7.492	1.44
Mtcp1	1.918	3.453	1.80	2.98	4.275	1.43
Plxna4	49.683	75.96	1.53	18.091	25.924	1.43
Thbs3	9.276	19.411	2.09	8.247	11.721	1.42
Zfp788	4.817	2.653	0.55	2.394	3.401	1.42
Cnnm2	6.199	8.548	1.38	4.629	6.573	1.42
Gm4076	2.899	4.884	1.68	2.98	4.229	1.42
Pcdhb16	2.364	3.242	1.37	1.49	2.114	1.42
Adam22	25.376	33.896	1.34	16.921	23.994	1.42
Pdgfc	17.304	23.537	1.36	13.143	18.616	1.42
Lyrm9	3.746	5.095	1.36	3.831	5.424	1.42
Tmem119	10.436	14.906	1.43	5.268	7.446	1.41

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Supplementary Table S3. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Cdnf	2.185	1.432	0.66	1.171	1.655	1.41
Sft2d3	3.122	4.842	1.55	3.459	4.872	1.41
Pcyox1l	14.807	23.158	1.56	13.143	18.34	1.40
Clec2d	0.669	1.853	2.77	2.767	3.861	1.40
Fkbp11	15.877	22.401	1.41	16.655	23.167	1.39
Kctd15	6.734	10.863	1.61	3.405	4.734	1.39
Pdgfb	8.072	11.663	1.44	29.478	40.955	1.39
Hist1h4m	2.453	3.411	1.39	2.022	2.804	1.39
Thsd7a	12.934	20.758	1.60	14.42	19.995	1.39
Fndc3a	38.578	55.917	1.45	42.514	58.928	1.39
Mn1	23.236	34.022	1.46	11.014	15.26	1.39
Sprr2h	0.892	1.432	1.61	3.033	4.183	1.38
Nr4a3	2.988	2.063	0.69	1.703	2.344	1.38
Gm20422	3.702	2.358	0.64	1.809	2.482	1.37
Podxl	386.578	573.826	1.48	281.158	383.535	1.36
Bcl2l15	0.669	1.137	1.70	2.022	2.758	1.36
Hist1h3f	2.988	4.547	1.52	1.969	2.666	1.35
Bend6	4.817	3.2	0.66	2.82	3.815	1.35
Mab21l3	8.697	6.358	0.73	8.939	12.089	1.35
Zfp472	3.3	4.547	1.38	3.778	5.102	1.35
Tcaim	4.415	2.905	0.66	3.405	4.597	1.35
Fos	14.762	21.98	1.49	9.578	12.916	1.35
Slc16a2	18.018	28.169	1.56	27.19	36.634	1.35
Rnf113a2	4.237	3.158	0.75	2.607	3.493	1.34
Nudt16	3.88	2.316	0.60	2.128	2.85	1.34
Rnf113a2	4.594	3.242	0.71	2.714	3.631	1.34
Jund	213.938	293.439	1.37	182.348	243.249	1.33
Napsa	2.096	3.369	1.61	2.341	1.747	0.75
Mx1	1.918	1.095	0.57	5.002	3.723	0.74
Loh12cr1	6.734	4.547	0.68	4.523	3.355	0.74
Zfp606	3.434	4.59	1.34	5.587	4.137	0.74
Dok4	11.774	8.253	0.70	9.312	6.895	0.74
Plb1	2.23	1.263	0.57	2.98	2.206	0.74
Rap1gap2	8.786	5.305	0.60	9.897	7.308	0.74
Gm8662	1.516	2.316	1.53	2.554	1.885	0.74
Gm7693	1.962	2.779	1.42	2.554	1.885	0.74
Rccd1	3.568	5.053	1.42	4.736	3.493	0.74
Oacyl	1.873	2.653	1.42	3.618	2.666	0.74
Gstm1	12.488	8.674	0.69	8.62	6.343	0.74
Gna15	3.479	2.105	0.61	2.128	1.563	0.73
Rps2-ps9	3.746	6.274	1.67	5.906	4.321	0.73
Nqo1	33.092	24.085	0.73	28.254	20.638	0.73
Gm15432	7.359	5.39	0.73	7.875	5.746	0.73
Gata3	4.638	3.074	0.66	4.097	2.988	0.73
Pkd1l1	0.535	0.379	0.71	2.022	1.471	0.73
F830016B08Rik	1.472	0.842	0.57	4.044	2.942	0.73
Slc45a1	1.739	2.484	1.43	2.341	1.701	0.73
Arhgdig	0.624	1.684	2.70	2.66	1.931	0.73
Plek2	2.408	1.768	0.73	2.66	1.931	0.73
Esr1	2.631	1.179	0.45	1.649	1.195	0.72

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Supplementary Table S3. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Lrrc48	1.204	1.937	1.61	2.288	1.655	0.72
Mmp3	25.376	16.085	0.63	75.504	54.607	0.72
Gm7497	2.408	3.411	1.42	2.927	2.114	0.72
Fcgrt	16.189	10.906	0.67	13.143	9.469	0.72
Lpin3	3.122	1.937	0.62	2.235	1.609	0.72
Vwa5b1	3.434	4.632	1.35	5.747	4.137	0.72
Slc25a32	15.476	8.084	0.52	17.612	12.64	0.72
Lonrf3	4.638	2.358	0.51	3.139	2.252	0.72
Krt18	618.267	438.959	0.71	428.016	306.635	0.72
Camk2n1	8.607	6.442	0.75	6.225	4.459	0.72
Lnx1	2.007	1.137	0.57	1.862	1.333	0.72
Mrgpre	3.389	5.348	1.58	4.948	3.539	0.72
Gm14845	2.542	1.726	0.68	2.767	1.977	0.71
Olfr1372-ps1	3.434	2.19	0.64	3.991	2.85	0.71
Tgfa	12.265	8.884	0.72	11.014	7.86	0.71
Lmx1a	1.516	2.147	1.42	2.128	1.517	0.71
Sptlc1	47.185	35.159	0.75	49.751	35.439	0.71
Kitl	26.67	19.453	0.73	13.888	9.883	0.71
Olfr56	0.981	0.632	0.64	2.714	1.931	0.71
Slfn8	14.227	9.979	0.70	25.913	18.386	0.71
Rpl19-ps4	2.319	3.326	1.43	2.98	2.114	0.71
Mrap2	3.256	4.505	1.38	5.002	3.539	0.71
Zfp661	3.3	1.895	0.57	3.512	2.482	0.71
Cdhr1	38.087	24.885	0.65	53.901	38.013	0.71
Esm1	1.293	2.021	1.56	2.022	1.425	0.70
Arc	7.359	5.516	0.75	5.747	4.045	0.70
Bricd5	4.683	3.411	0.73	5.161	3.631	0.70
Etv5	43.573	32.211	0.74	39.96	28.085	0.70
Acta2	226.693	152.172	0.67	202.887	142.585	0.70
Zfp54	2.542	3.916	1.54	3.991	2.804	0.70
Trim21	14.896	10.442	0.70	28.839	20.225	0.70
Gm10715	2.587	1.516	0.59	1.969	1.379	0.70
Fam46b	7.493	5.432	0.72	5.321	3.723	0.70
Gm129	1.293	1.768	1.37	2.235	1.563	0.70
Fam126b	10.079	6.653	0.66	10.855	7.584	0.70
Ppp1r2-ps3	1.383	1.853	1.34	2.501	1.747	0.70
Vldlr	3.969	2.905	0.73	2.501	1.747	0.70
St3gal3	28.498	20.043	0.70	31.074	21.696	0.70
Dusp4	88.661	60.591	0.68	82.315	57.457	0.70
Cd300ld	2.185	3.032	1.39	3.299	2.298	0.70
Scn1b	5.129	7.958	1.55	5.747	3.999	0.70
Gpnmb	16.814	11.579	0.69	13.941	9.699	0.70
Nrep	2.498	3.453	1.38	4.097	2.85	0.70
Ckmt1	5.084	3.495	0.69	4.097	2.85	0.70
Gm6580	1.65	2.484	1.51	2.448	1.701	0.69
Zak	203.948	119.835	0.59	205.494	142.63	0.69
Mnd1	2.23	3.032	1.36	3.512	2.436	0.69
Ces2f	2.23	1.053	0.47	3.778	2.62	0.69
2010315B03Rik	1.962	2.821	1.44	2.394	1.655	0.69
CAAA01180111.1	1.962	2.821	1.44	2.394	1.655	0.69

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Supplementary Table S3. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Dkk1	2.498	3.579	1.43	3.193	2.206	0.69
Frem1	1.962	3.116	1.59	2.341	1.609	0.69
Atp5s	2.453	1.305	0.53	2.341	1.609	0.69
Gm6428	3.166	2.232	0.70	4.15	2.85	0.69
En1	2.453	1.811	0.74	3.086	2.114	0.69
Gm8546	5.798	3.705	0.64	5.374	3.677	0.68
Gm16487	1.873	2.568	1.37	2.554	1.747	0.68
Gm5389	1.516	2.442	1.61	2.022	1.379	0.68
Slc27a6	6.199	3.874	0.62	6.066	4.137	0.68
Gm10800	10.614	7.705	0.73	10.961	7.446	0.68
Has2	21.496	10.821	0.50	34.373	23.35	0.68
Aldh1l2	16.457	9.979	0.61	10.801	7.308	0.68
Gpr137b	31.531	22.022	0.70	30.489	20.592	0.68
Fam83b	3.166	2.274	0.72	3.405	2.298	0.67
Tnfrsf18	6.511	4.421	0.68	4.097	2.758	0.67
Ptpn6	3.612	1.811	0.50	2.873	1.931	0.67
Gsta3	2.676	1.221	0.46	1.916	1.287	0.67
Ano1	41.878	31.074	0.74	24.742	16.593	0.67
Gm4986	1.472	2.484	1.69	2.128	1.425	0.67
St6galnac5	1.784	2.484	1.39	2.341	1.563	0.67
Ptp4a3	55.48	37.18	0.67	56.828	37.921	0.67
Gm1980	3.568	2.316	0.65	3.246	2.16	0.67
Gm16485	1.829	2.442	1.34	2.075	1.379	0.66
Herpud2	22.299	16.421	0.74	24.317	16.088	0.66
Gm6485	54.098	37.854	0.70	49.325	32.589	0.66
Zfp558	1.873	1.263	0.67	2.022	1.333	0.66
Folr1	3.612	5.011	1.39	4.47	2.942	0.66
Tbc1d30	1.695	2.316	1.37	2.235	1.471	0.66
Gm5272	1.606	2.147	1.34	2.235	1.471	0.66
Kctd12b	2.988	4.211	1.41	4.895	3.218	0.66
Car10	2.007	2.737	1.36	2.66	1.747	0.66
Hrh1	3.033	2.147	0.71	3.512	2.298	0.65
Dcxr	31.442	19.664	0.63	27.03	17.651	0.65
Zfhx2	3.969	5.432	1.37	3.459	2.252	0.65
Chac1	15.342	10.021	0.65	11.972	7.768	0.65
Osgin1	21.719	14.906	0.69	14.313	9.285	0.65
Zfp959	4.638	3.369	0.73	4.044	2.62	0.65
H3f3b	862.219	545.867	0.63	798.725	512.698	0.64
Zmat5	6.601	9.095	1.38	8.992	5.746	0.64
Kbtbd3	0.981	2.316	2.36	2.022	1.287	0.64
Fam124a	2.052	2.947	1.44	1.809	1.149	0.64
Gm8682	1.115	2.19	1.96	2.182	1.379	0.63
Hus1	26.045	17.222	0.66	31.819	20.087	0.63
Pik3r3	49.281	33.138	0.67	38.79	24.408	0.63
Slc16a10	11.194	7.958	0.71	13.888	8.733	0.63
Ppic	73.097	41.643	0.57	85.667	53.688	0.63
Mobp	1.606	2.442	1.52	2.128	1.333	0.63
Arhgap27	33.226	24.632	0.74	28.786	18.018	0.63
Camsap3	2.052	1.137	0.55	0.958	0.598	0.62
Igfbp6	57.576	41.77	0.73	31.393	19.535	0.62

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Supplementary Table S3. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Epb4.1l5	13.067	7.579	0.58	12.345	7.676	0.62
Dusp28	2.765	4.169	1.51	4.363	2.712	0.62
Cadm1	7.983	5.263	0.66	6.225	3.861	0.62
Snx32	1.516	2.568	1.69	2.075	1.287	0.62
Cd74	2.007	1.263	0.63	6.013	3.723	0.62
Syk	4.237	2.653	0.63	4.31	2.666	0.62
Slc35g1	21.586	14.064	0.65	22.454	13.882	0.62
Spag4	1.249	1.937	1.55	2.235	1.379	0.62
Dsp	101.149	63.328	0.63	50.549	31.027	0.61
Aldh2	101.506	74.276	0.73	89.019	54.239	0.61
Esrra	52.18	35.538	0.68	55.231	33.647	0.61
Gm2399	1.784	1.011	0.57	2.341	1.425	0.61
Lcn2	8.117	5.6	0.69	31.34	19.03	0.61
Gm10717	3.256	2.4	0.74	3.565	2.16	0.61
Lrrc51	2.676	1.726	0.64	2.66	1.609	0.60
Gm12258	2.631	3.747	1.42	3.884	2.344	0.60
E030011O05Rik	2.23	1.39	0.62	2.82	1.701	0.60
Gm12818	1.338	1.853	1.38	2.288	1.379	0.60
Ppif	20.56	14.358	0.70	28.999	17.421	0.60
Zfp667	2.631	1.937	0.74	1.224	0.735	0.60
Tmem37	3.657	2.611	0.71	3.086	1.839	0.60
Kcnh2	3.657	5.516	1.51	1.543	0.919	0.60
Deptor	2.23	1.39	0.62	1.543	0.919	0.60
Gm9780	8.518	4.547	0.53	7.024	4.183	0.60
Aggf1	45.847	31.58	0.69	55.125	32.819	0.60
Pip5k1b	3.568	2.358	0.66	2.873	1.701	0.59
Acss1	1.204	1.642	1.36	2.022	1.195	0.59
Fam83g	4.192	2.232	0.53	5.64	3.31	0.59
Plac9b	8.83	4.758	0.54	7.449	4.367	0.59
Gm5431	6.69	3.537	0.53	11.068	6.481	0.59
Ces2e	119.345	76.844	0.64	129.192	75.383	0.58
Csf2	0.491	0.211	0.43	19.209	11.17	0.58
Plac9a	8.875	4.842	0.55	7.449	4.321	0.58
2610528A11Rik	6.779	2.653	0.39	5.64	3.264	0.58
Tnfrsf26	1.918	1.179	0.61	2.714	1.563	0.58
Arap3	3.479	1.895	0.54	6.172	3.539	0.57
Piwil4	2.052	1.347	0.66	2.82	1.609	0.57
Cutal	2.007	1.095	0.55	2.022	1.149	0.57
Klra2	2.141	1.558	0.73	3.086	1.747	0.57
Fetub	6.11	4.084	0.67	3.512	1.977	0.56
Tslp	0.937	0.505	0.54	2.128	1.195	0.56
Tmc7	1.829	2.737	1.50	3.459	1.931	0.56
Sv2c	2.052	4.126	2.01	1.649	0.919	0.56
Syce2	7.403	4.59	0.62	7.449	4.137	0.56
Slc26a6	3.568	2.232	0.63	3.565	1.977	0.55
Itgb2	2.052	0.632	0.31	1.916	1.057	0.55
Ift20	39.113	17.516	0.45	34.852	19.168	0.55
Col20a1	2.275	1.474	0.65	3.193	1.747	0.55

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Supplementary Table S3. ***Continued.***

	Naïve condition			TNF-α treatment		
Gene symbol	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)	siControl RPKM	siSirt6 RPKM	Fold change (siSirt6 vs. siControl)
Gm15846	1.606	2.19	1.36	2.607	1.425	0.55
Tspan13	2.408	3.663	1.52	1.862	1.011	0.54
Tmem141	4.103	2.779	0.68	3.725	1.977	0.53
Ackr3	2.052	1.39	0.68	2.98	1.563	0.52
Clec11a	3.256	2.274	0.70	2.022	1.057	0.52
Fam117a	6.065	4.042	0.67	4.31	2.252	0.52
Ly6a	18.865	7.79	0.41	14.26	7.354	0.52
Clca2	2.007	1.095	0.55	5.268	2.712	0.51
Nudt15	1.873	2.653	1.42	2.873	1.471	0.51
Car9	2.81	4.211	1.50	3.352	1.701	0.51
Akap6	2.185	1.516	0.69	1.543	0.781	0.51
Zfp420	1.427	2.442	1.71	2.182	1.103	0.51
Fat2	1.16	0.758	0.65	2.182	1.103	0.51
Gm12216	1.427	1.053	0.74	2.767	1.379	0.50
Alox5	2.587	0.674	0.26	2.128	1.057	0.50
Prune2	17.527	8.758	0.50	12.132	6.021	0.50
Nup210	1.427	0.968	0.68	2.501	1.241	0.50
Spta1	6.824	3.579	0.52	4.097	2.022	0.49
Aldh3a1	3.256	0.674	0.21	1.49	0.735	0.49
Zfp764	1.873	2.653	1.42	2.288	1.103	0.48
Cyp2s1	31.219	21.643	0.69	11.653	5.516	0.47
Tmem102	2.23	0.926	0.42	1.383	0.644	0.47
Cx3cl1	12.978	4.126	0.32	50.442	21.604	0.43
Wbscr27	3.256	1.684	0.52	2.714	1.149	0.42
Sprr2a2	3.3	1.726	0.52	2.501	1.011	0.40
Msh5	0.714	1.979	2.77	2.182	0.873	0.40
Sprr2a1	3.3	1.768	0.54	2.554	1.011	0.40
Gdf15	4.906	1.642	0.33	3.937	1.517	0.39
Ly6c1	2.141	1.221	0.57	1.969	0.735	0.37
Susd2	3.122	1.937	0.62	6.917	2.574	0.37
Sirt6	17.304	7.2	0.42	18.73	6.895	0.37
Mgll	4.504	3.326	0.74	2.873	1.011	0.35
Efs	2.007	0.716	0.36	1.277	0.368	0.29
Cnn1	3.077	1.558	0.51	1.543	0.414	0.27
Kcnab3	2.364	0.968	0.41	2.288	0.46	0.20
Robo2	2.052	1.347	0.66	1.543	0.276	0.18