

■ **Table S2 WT Stress DGE Data**

Top 50 repressed and induced genes in WT Stress MEFs, using DESeq2.

Repressed Genes	Log <sub>2</sub> FC <sup>a</sup>	FDR <sup>b</sup>	Induced Genes	Log <sub>2</sub> FC	FDR
<i>Col3a1</i>	-3.08	1.55E-27	<i>Inka2</i>	3.80	1.34E-69
<i>F2rl1</i>	-2.86	3.24E-49	<i>Ovgp1</i>	3.73	3.09E-38
<i>Prelp</i>	-2.69	1.43E-17	<i>Btnl9</i>	3.54	1.88E-23
<i>Tmem119</i>	-2.63	2.29E-150	<i>Evpl</i>	3.47	1.39E-24
<i>Angptl4</i>	-2.62	8.35E-94	<i>Zfp750</i>	3.31	1.54E-23
<i>Cmklr1</i>	-2.53	5.05E-16	<i>Sec14l5</i>	3.15	7.42E-18
<i>Serpib1a</i>	-2.49	1.69E-13	<i>Trp53inp1</i>	3.15	7.42E-18
<i>Thbs1</i>	-2.34	4.25E-274	<i>Ddit4l</i>	3.03	6.19E-48
<i>Zfp608</i>	-2.33	4.22E-89	<i>Efcab8</i>	2.98	3.26E-24
<i>Gas1</i>	-2.26	3.29E-246	<i>Cyp27b1</i>	2.87	8.81E-16
<i>Wisp2</i>	-2.23	2.56E-35	<i>Gpr152</i>	2.87	5.92E-15
<i>Apln</i>	-2.20	1.31E-55	<i>Atg9b</i>	2.86	9.84E-37
<i>Angptl7</i>	-2.16	3.10E-14	<i>Slc23a3</i>	2.70	9.64E-13
<i>Gper1</i>	-2.11	7.06E-11	<i>Pmaip1</i>	2.64	3.25E-23
<i>Cd248</i>	-2.10	1.39E-209	<i>Gm29106</i>	2.60	6.52E-16
<i>9930111J21Rik2</i>	-2.10	2.11E-10	<i>Rprm</i>	2.59	2.21E-13
<i>Soon2</i>	-2.08	1.07E-10	<i>Grin3b</i>	2.58	1.27E-37
<i>Emilin</i>	-2.06	7.29E-108	<i>Slc16a8</i>	2.55	6.06E-15
<i>Styk1</i>	-2.06	5.42E-17	<i>Tcam1</i>	2.53	7.65E-20
<i>Cx3cl1</i>	-2.06	2.00E-162	<i>Fscn2</i>	2.52	7.82E-14
<i>Mme</i>	-2.05	4.97E-29	<i>Il17f</i>	2.46	8.77E-11
<i>Lipg</i>	-2.04	1.73E-49	<i>Hic1</i>	2.45	1.07E-14
<i>Clmp</i>	-2.03	4.87E-11	<i>Alpk3</i>	2.42	3.64E-10
<i>Sned1</i>	-2.03	9.06E-12	<i>Sptbn2</i>	2.41	2.21E-28
<i>Plxna2</i>	-2.03	7.24E-132	<i>Gas2l1</i>	2.34	3.22E-15
<i>Ptgfr</i>	-2.01	6.66E-9	<i>Olfra461</i>	2.37	3.45E-9
<i>Tgfb1</i>	-1.96	4.35E-21	<i>H2-DMa</i>	2.31	1.33E-14
<i>Bmp2</i>	-1.95	1.63E-70	<i>Rsph10b</i>	2.30	1.70E-9
<i>Scd2</i>	-1.95	1.10E-299	<i>Slc7a3</i>	2.30	3.71E-9
<i>Dchs2</i>	-1.95	9.60E-25	<i>Mmp15</i>	2.26	3.93E-14
<i>S1pr3</i>	-1.94	4.43E-53	<i>Chrn2</i>	2.24	3.52E-15
<i>Cdh3</i>	-1.89	2.06E-30	<i>Ermap</i>	2.24	1.27E-8
<i>Itgbl1</i>	-1.89	2.30E-14	<i>Creb3l3</i>	2.24	1.22E-9
<i>Lfng</i>	-1.87	1.28E-40	<i>Sapcd1</i>	2.22	1.15E-8
<i>Angpt1</i>	-1.87	3.62E-9	<i>Wfikkn1</i>	2.21	4.13E-19
<i>Dhrs1</i>	-1.86	9.77E-7	<i>Sesn2</i>	2.20	2.40E-203
<i>Wisp1</i>	-1.86	1.97E-111	<i>Fam186a</i>	2.18	2.71E-8
<i>Elovl6</i>	-1.86	1.14E-214	<i>Kcnj4</i>	2.17	4.08E-17

<sup>a</sup> Log<sub>2</sub>FC = Fold change as expressed as log base 2.<sup>b</sup> FDR = Adjusted p-value using Benjamini and Hochberg method in DESeq2.

■ **Table S2 Continued WT Stress DGE Data**

Top 50 repressed and induced genes in WT Stress MEFs, using DESeq2.

Repressed Genes	Log <sub>2</sub> FC <sup>a</sup>	FDR <sup>b</sup>	Induced Genes	Log <sub>2</sub> FC	FDR
<i>Pcdh19</i>	-1.85	3.99E-45	<i>Arhgef6</i>	2.16	2.53E-8
<i>Ntn4</i>	-1.84	9.42E-29	<i>Rbm3</i>	2.14	1.45E-26
<i>Ngnf</i>	-1.84	5.99E-15	<i>Dpx1</i>	2.13	3.25E-23
<i>Gm14137</i>	-1.82	3.20E-48	<i>Mdm2</i>	2.12	4.61E-8
<i>Plat</i>	-1.81	1.93E-28	<i>Tex52</i>	2.10	1.15E-7
<i>Setbp1</i>	-1.81	2.07E-24	<i>Slc26a8</i>	2.09	3.41E-8
<i>Fat4</i>	-1.81	1.69E-86	<i>Gng3</i>	2.09	2.40E-20
<i>Pappa</i>	-1.79	1.70E-14	<i>Aen</i>	2.07	3.51E-39
<i>Adamts5</i>	-1.79	6.99E-76	<i>Rho</i>	2.02	3.28E-7
<i>Ephb6</i>	-1.78	4.78E-41	<i>Gzmm</i>	2.02	2.99E-9
<i>Zfp36l2</i>	-1.77	6.90E-229	<i>Pmm1</i>	2.02	6.67E-8

<sup>a</sup> Log<sub>2</sub>FC = Fold change as expressed as log base 2.

<sup>b</sup> FDR = Adjusted p-value using Benjamini and Hochberg method in DESeq2.