

Table S1. Inflammatory genes previously shown to be increased during scrapie infection (5) that were not significantly altered[‡] in 22L-infected mice treated with statins relative to untreated 22L-infected mice.

Gene	Simvastatin		Pravastatin		Atorvastatin		Description
	FC [#]	P value [†]	FC	P value	FC	P value	
<i>Ccl1</i>	1.6	0.173	1.1	0.699	1.1	0.769	Chemokine (C-C motif) ligand 1
<i>Ccl12</i>	1.2	0.606	1.3	0.620	1.7	0.202	Chemokine (C-C motif) ligand 12
<i>Ccl22</i>	3.0	0.086	1.9	0.257	3.5	0.146	Chemokine (C-C motif) ligand 22
<i>Ccl3</i>	1.8	0.222	-1.2	0.092	-1.4	0.025	Chemokine (C-C motif) ligand 3
<i>Ccl4</i>	1.7	0.151	-1.2	0.384	-1.3	0.076	Chemokine (C-C motif) ligand 4
<i>Ccl5</i>	1.7	0.061	1.1	0.334	1.1	0.122	Chemokine (C-C motif) ligand 5
<i>Ccl6</i>	-1.1	0.817	1.0	0.940	1.2	0.813	Chemokine (C-C motif) ligand 6
<i>Ccl7</i>	1.6	0.412	1.2	0.867	1.1	0.953	Chemokine (C-C motif) ligand 7
<i>Ccl8</i>	-1.4	0.864	1.1	0.962	1.2	0.771	Chemokine (C-C motif) ligand 8
<i>Ccl9</i>	1.1	0.789	-1.2	0.555	-1.1	0.513	Chemokine (C-C motif) ligand 9
<i>Ccr1</i>	1.3	0.403	1.1	0.666	1.1	0.453	Chemokine (C-C motif) receptor 1
<i>Ccr3</i>	-1.3	0.858	1.6	0.350	1.8	0.227	Chemokine (C-C motif) receptor 3
<i>Ccr5</i>	-2.2	0.864	1.5	0.120	1.5	0.115	Chemokine (C-C motif) receptor 5
<i>Csf1</i>	-1.1	0.601	-1.2	0.081	-1.1	0.707	Colony stimulating factor 1 (macrophage)
<i>Cxcl1</i>	1.5	0.499	1.6	0.413	1.1	0.627	Chemokine (C-X-C motif) ligand 1
<i>Cxcl10</i>	1.8	0.115	1.3	0.517	1.4	0.301	Chemokine (C-X-C motif) ligand 10
<i>Cxcl5</i>	-2.2	0.191	-1.1	0.557	1.2	0.823	Chemokine (C-X-C motif) ligand 5
<i>Cxcl9</i>	2.7	0.231	2.2	0.352	1.2	0.897	Chemokine (C-X-C motif) ligand 9
<i>Fasl</i>	-1.9	0.198	-3.4	0.101	-1.7	0.379	Fas ligand (TNF superfamily, member 6)
<i>Il10ra</i>	-1.0	0.968	-1.4	0.122	-1.3	0.149	Interleukin 10 receptor, alpha
<i>Il10rb</i>	-1.1	0.603	-1.2	0.171	-1.2	0.180	Interleukin 10 receptor, beta
<i>Il1a</i>	1.3	0.281	1.3	0.260	1.1	0.813	Interleukin 1 alpha
<i>Il1b</i>	-1.7	0.672	1.0	0.852	1.1	0.945	Interleukin 1 beta
<i>Il1r1</i>	-1.1	0.626	-1.3	0.427	-1.3	0.381	Interleukin 1 receptor, type I
<i>Il1rn</i>	1.4	0.792	1.2	0.866	2.0	0.624	Interleukin 1 receptor antagonist
<i>Il27</i>	-1.6	0.212	-1.4	0.127	-2.9	0.123	Interleukin 27
<i>Il2rg</i>	1.2	0.377	1.2	0.308	1.2	0.466	Interleukin 2 receptor, gamma chain
<i>Il6ra</i>	1.2	0.671	1.1	0.873	1.1	0.787	Interleukin 6 receptor, alpha
<i>Spp1</i>	1.5	0.251	1.2	0.292	1.1	0.349	Secreted phosphoprotein 1
<i>Tnfsf10</i>	-1.2	0.629	1.6	0.835	1.7	0.700	Tumor necrosis factor (ligand) superfamily, member 10
<i>Tnfsf11</i>	-1.1	0.948	-1.4	0.305	-1.3	0.511	Tumor necrosis factor (ligand) superfamily, member 11
<i>Tnfsf13</i>	-1.9	0.262	-1.5	0.160	-1.4	0.429	Tumor necrosis factor (ligand) superfamily, member 13

[‡] Significantly altered defined as a mean of ≥ 2.0 fold change and p-value of ≤ 0.05 .

[#] Fold change in gene expression in infected statin-treated vs. infected untreated mice.

[†] P values were derived by student T-test comparing statin-treated to infected untreated mice.

Table S2. Inflammatory genes previously shown to be unchanged during scrapie infection (5) that were not significantly altered[‡] in 22L-infected mice treated with statins relative to untreated.

Gene	Simvastatin		Pravastatin		Atorvastatin		Description
	FC [#]	P value [†]	FC	P value	FC	P value	
<i>Aimp1</i>	1.2	0.594	-2.1	0.056	-1.3	0.879	Aminoacyl tRNA synthetase complex-interacting multifunctional protein 1
<i>Bmp2</i>	-1.2	0.647	-1.4	0.093	-1.4	0.050	Bone morphogenetic protein 2
<i>Ccl11</i>	1.9	0.187	1.9	0.011	1.4	0.307	Chemokine (C-C motif) ligand 11
<i>Ccl17</i>	-1.1	0.814	-1.2	0.536	-1.7	0.230	Chemokine (C-C motif) ligand 17
<i>Ccl19</i>	-1.3	0.242	-1.6	0.185	-1.5	0.221	Chemokine (C-C motif) ligand 19
<i>Ccl20</i>	1.2	0.633	-1.5	0.300	-1.5	0.645	Chemokine (C-C motif) ligand 20
<i>Ccl24</i>	1.5	0.208	-1.7	0.114	-1.2	0.790	Chemokine (C-C motif) ligand 24
<i>Ccr10</i>	-2.8	0.107	-1.6	0.258	-1.7	0.252	Chemokine (C-C motif) receptor 10
<i>Ccr2</i>	-1.1	0.907	-1.2	0.482	-1.4	0.635	Chemokine (C-C motif) receptor 2
<i>Ccr4</i>	1.2	0.594	-2.1	0.056	-1.3	0.879	Chemokine (C-C motif) receptor 4
<i>Ccr6</i>	-2.1	0.276	-2.0	0.228	-1.0	0.883	Chemokine (C-C motif) receptor 6
<i>Ccr8</i>	1.5	0.296	-1.7	0.104	-1.0	0.904	Chemokine (C-C motif) receptor 8
<i>Cd40lg</i>	1.2	0.594	-2.1	0.056	-1.1	0.993	CD40 ligand
<i>Csf2</i>	1.2	0.593	-2.1	0.056	1.2	0.516	Colony stimulating factor 2 (granulocyte-macrophage)
<i>Cx3cl1</i>	1.0	0.765	1.0	0.814	1.2	0.334	Chemokine (C-X3-C motif) ligand 1
<i>Cxcl12</i>	-1.7	0.212	-1.5	0.036	-1.2	0.297	Chemokine (C-X-C motif) ligand 12
<i>Cxcl15</i>	1.2	0.594	-2.1	0.056	-1.3	0.879	Chemokine (C-X-C motif) ligand 15
<i>Cxcr2</i>	1.2	0.584	-1.0	0.794	-1.6	0.584	Chemokine (C-X-C motif) receptor 2
<i>Ifng</i>	1.6	0.951	-1.8	0.423	-1.4	0.474	Interferon gamma
<i>Il11</i>	-1.1	0.628	-1.3	0.519	-1.2	0.769	Interleukin 11
<i>Il13</i>	1.3	0.368	-1.9	0.055	1.0	0.555	Interleukin 13
<i>Il15</i>	-1.2	0.930	1.1	0.571	1.1	0.604	Interleukin 15
<i>Il16</i>	-2.1	0.283	-1.4	0.400	-1.8	0.396	Interleukin 16
<i>Il17a</i>	1.2	0.594	-2.1	0.056	-1.3	0.879	Interleukin 17A
<i>Il17b</i>	-1.6	0.237	-1.1	0.743	-1.6	0.159	Interleukin 17B
<i>Il17f</i>	1.1	0.532	-1.5	0.032	1.1	0.236	Interleukin 17F
<i>Il21</i>	1.2	0.565	-2.0	0.062	-1.0	0.890	Interleukin 21
<i>Il2rb</i>	1.4	0.486	-1.5	0.617	-1.3	0.960	Interleukin 2 receptor, beta chain
<i>Il33</i>	-1.1	0.836	1.5	0.008	1.6	0.013	Interleukin 33
<i>Il4</i>	-2.2	0.209	-2.8	0.318	-1.8	0.858	Interleukin 4
<i>Il5</i>	-1.3	0.516	-1.3	0.824	1.0	0.848	Interleukin 5
<i>Il5ra</i>	-2.5	0.175	-5.1	0.098	-3.3	0.211	Interleukin 5 receptor, alpha
<i>Il6st</i>	-1.0	0.934	-1.1	0.129	1.0	0.617	Interleukin 6 signal transducer
<i>Il7</i>	1.5	0.312	1.6	0.105	1.1	0.707	Interleukin 7
<i>Lta</i>	1.1	0.943	-1.8	0.375	-2.1	0.224	Lymphotoxin A
<i>Ltb</i>	-1.1	0.901	-1.9	0.011	-1.3	0.211	Lymphotoxin B
<i>Mif</i>	-1.0	0.882	1.1	0.607	-1.0	0.697	Macrophage migration inhibitory factor
<i>Nampt</i>	1.0	0.944	-1.0	0.749	1.0	0.990	Nicotinamide phosphoribosyltransferase

<i>Pf4</i>	-1.7	0.525	-1.4	0.119	1.1	0.649	Platelet factor 4
<i>Tnfrsf11b</i>	-1.2	0.705	-1.2	0.420	1.2	0.361	Tumor necrosis factor receptor superfamily, member 11b (osteoprotegerin)
<i>Tnfsf13b</i>	-1.3	0.241	-1.1	0.532	-1.0	0.987	Tumor necrosis factor (ligand) superfamily, member 13b
<i>Vegfa</i>	-1.3	0.065	-1.3	0.116	-1.1	0.972	Vascular endothelial growth factor A

‡ Significantly altered defined as a mean of ≥ 2.0 fold change and p-value of ≤ 0.05 .

Fold change in gene expression in infected statin-treated vs. infected untreated mice.

† P values were derived by student T-test comparing statin-treated to infected untreated mice.