

Supplementary Table 1: Transcripts differentially expressed in *Cstb*^{-/-} microglia.

In the microarray experiment, genes with an absolute fold change (FC) ≥ 1.3 and a p-value < 0.05 were considered differentially expressed and in the RNA-seq analysis a local false discovery rate (FDR) < 0.01 was used as cutoff. Genes are sorted by FC identified in the microarray analysis and asterisks (*) mark genes differentially expressed in the results of both methods.

Gene Symbol	TC ID	microarray		RNA-seq	
		FC	p-value	FC	Local FDR
<i>Cstb</i> *	6769080	-9.3	2.11E-06	-200.2	3.26E-16
<i>Ifit1</i> *	6869334	-8.1	2.24E-02	-11.2	9.24E-14
<i>Ifit3</i> *	6869327	-7.5	3.06E-02	-8.5	7.49E-13
<i>Slfn5</i> *	6782979	-6.7	2.24E-02	-14.7	1.10E-16
<i>Oasl2</i> *	6933625	-6.6	2.29E-02	-17.9	1.85E-09
<i>Rtp4</i> *	6840129	-5.8	2.24E-02	-6.9	4.17E-11
<i>Mx1</i> *	6848199	-5.5	3.26E-02	-6.9	2.14E-08
<i>Irf7</i> *	6972192	-5.3	2.29E-02	-5.6	5.17E-10
<i>Mnda</i> <i>Ifi204</i> <i>Mndal</i>	6764246	-5.3	2.24E-02	n.d.	n.d.
<i>Oas2</i>	6941647	-4.5	2.24E-02	-3.8	n.s.
<i>Oasl1</i> *	6933627	-4.5	3.41E-02	-7.1	4.19E-08
<i>Ifit2</i> *	6869324	-4.1	4.25E-02	-8.0	9.91E-09
<i>Zbp1</i> *	6893556	-4.0	3.26E-02	-8.6	9.33E-07
<i>Rsad2</i> *	6799525	-3.9	2.81E-02	-6.4	2.88E-07
<i>Saa3</i> *	6967059	-3.9	4.56E-02	-4.9	7.83E-06
<i>Ms4a4c</i>	6868091	-3.9	3.93E-02	-3.2	n.s.
<i>Ifi205</i>	6764243	-3.8	3.46E-02	n.d.	n.d.
<i>Mx2</i>	6843550	-3.7	2.81E-02	n.d.	n.d.
<i>D14Erttd668e</i> <i>Phf11</i>	6828125	-3.7	2.50E-02	n.d.	n.d.
<i>Pyhin1</i>	6764231	-3.6	4.24E-02	-2.5	n.s.
<i>Clec4a1</i>	6949722	-3.6	n.s.	-4.1	7.62E-03
<i>Emr4</i>	6851186	-3.5	2.81E-02	-4.2	n.s.
<i>Gbp6</i>	6901950	-3.5	4.24E-02	-4.2	n.s.
<i>Ifi202b</i>	6764289	-3.4	2.24E-02	-1.9	n.s.
<i>Phf11</i>	6825096	-3.4	3.16E-02	-3.8	n.s.
<i>Dhx58</i>	6791437	-3.4	2.30E-02	n.d.	n.d.
<i>Gbp2</i> *	6901957	-3.4	4.24E-02	-4.9	2.21E-04
<i>Ddx58</i> *	6920954	-3.3	2.24E-02	-3.7	4.48E-06
<i>Ifi44</i> *	6910592	-3.2	1.55E-03	-4.8	3.14E-09
<i>Clec4a3</i>	6949727	-3.2	n.s.	-3.6	9.55E-05
<i>Rnf213</i>	6785384	-3.2	2.24E-02	-1.6	n.s.
<i>Ifi2712a</i> *	6803210	-3.1	2.56E-02	-3.2	7.83E-06
<i>Parp14</i> *	6845375	-3.1	2.24E-02	-4.2	4.19E-08
<i>Lgals3bp</i> *	6792657	-3.1	2.24E-02	-3.7	8.17E-16
<i>Lcn2</i>	6885873	-3.0	2.45E-02	-15.9	n.s.
<i>Ifih1</i>	6887196	-3.0	2.45E-02	-2.5	n.s.
<i>Sp100</i> *	6751219	-3.0	2.81E-02	-2.6	1.27E-04
<i>Cmpk2</i>	6793961	-3.0	3.93E-02	-5.6	n.s.
<i>Cxcl10</i>	6939990	-3.0	3.26E-02	-2.4	n.s.
<i>Oas1a</i> <i>Oas1g</i>	6941657	-2.9	2.24E-02	n.d.	n.d.
<i>Dtx3l</i>	6845377	-2.9	2.71E-02	-2.4	n.s.

<i>Irgm1*</i>	6787896	-2.9	2.50E-02	-2.9	5.75E-03
<i>Samd9l</i>	6951281	-2.9	3.49E-02	-6.0	n.s.
<i>Igtp Gm12250 Irgm2</i>	6781248	-2.9	3.08E-02	n.d.	n.d.
<i>Stat1*</i>	6749376	-2.8	2.29E-02	-4.2	3.06E-13
<i>Aoah</i>	6805180	-2.7	4.56E-02	-2.3	n.s.
<i>Trim34</i>	6963137	-2.6	2.29E-02	n.d.	n.d.
<i>Ccl5*</i>	6790288	-2.6	2.46E-02	-4.6	2.69E-04
<i>Isg20</i>	6961896	-2.6	n.s.	-9.2	2.88E-03
<i>BC006779</i>	6894274	-2.6	2.29E-02	-2.3	n.s.
<i>Epsti1</i>	6820472	-2.6	2.56E-02	-2.9	n.s.
<i>Slfn8*</i>	6790244	-2.5	2.24E-02	-4.6	3.85E-03
<i>Stat2</i>	6771641	-2.5	2.29E-02	-2.3	n.s.
<i>Il1b</i>	6890838	-2.5	2.29E-02	-2.5	n.s.
<i>Clec2d</i>	6950125	-2.5	3.60E-02	-2.5	n.s.
<i>Oas1b*</i>	6933997	-2.5	4.25E-02	-8.4	1.99E-03
<i>Tor3a*</i>	6763273	-2.5	2.24E-02	-2.5	1.32E-03
<i>Parp9*</i>	6840734	-2.5	2.29E-02	-2.4	9.12E-03
<i>Apoc1</i>	6973586	-2.4	n.s.	-5.1	4.46E-10
<i>Parp12</i>	6952926	-2.4	2.24E-02	n.d.	n.d.
<i>P2ry14</i>	6905408	-2.4	3.67E-02	-1.6	n.s.
<i>C3</i>	6856290	-2.4	4.82E-02	-3.6	n.s.
<i>Eif2ak2</i>	6857435	-2.3	2.24E-02	-2.4	n.s.
<i>Ube2l6*</i>	6878709	-2.3	3.23E-02	-2.2	4.11E-03
<i>Bst2*</i>	6983265	-2.2	3.74E-02	-2.9	8.36E-07
<i>Trim30</i>	6970065	-2.2	2.55E-02	n.d.	n.d.
<i>Slfn2*</i>	6782988	-2.2	2.24E-02	-2.3	8.50E-04
<i>Gvin1 Gm8979</i>	6970164	-2.1	2.81E-02	n.d.	n.d.
<i>H2-T10 H2-T22 H2-T23 H2-T24</i>	6855152	-2.1	2.29E-02	n.d.	n.d.
<i>Cyp27a1</i>	6750566	-2.1	n.s.	-3.6	2.54E-03
<i>Slfn10-ps</i>	6790245	-2.1	2.29E-02	-1.1	n.s.
<i>Ccrl2</i>	6998919	-2.1	2.74E-02	-3.0	n.s.
<i>Tap1</i>	6850019	-2.1	3.15E-02	-2.0	n.s.
<i>Uba7 Cdh29 Cdhr4</i>	6992280	-2.1	3.23E-02	n.d.	n.d.
<i>Slfn9</i>	6790239	-2.0	2.38E-02	-2.9	n.s.
<i>Sepp1</i>	6828326	-2.0	n.s.	-2.3	1.30E-04
<i>Pml</i>	6995964	-2.0	2.84E-02	1.3	n.s.
<i>Ms4a7</i>	6871545	-2.0	4.68E-02	-1.9	n.s.
<i>Lgals9</i>	6790012	-2.0	2.81E-02	-2.0	n.s.
<i>Cxcl13</i>	6932571	-1.9	n.s.	-3.1	2.80E-04
<i>Casp4</i>	6986649	-1.9	3.06E-02	n.d.	n.d.
<i>Parp10</i>	6836806	-1.9	2.50E-02	-2.1	n.s.
<i>Trim25</i>	6783439	-1.9	3.06E-02	-1.7	n.s.
<i>Irf1</i>	6780996	-1.9	4.21E-02	-2.5	n.s.
<i>Ly6e</i>	6831538	-1.9	3.60E-02	-2.3	n.s.
<i>Tmem140</i>	6945339	-1.9	4.56E-02	-2.4	n.s.
<i>Fcgr1</i>	6907262	-1.9	3.93E-02	-2.0	n.s.
<i>Zufsp</i>	6773158	-1.9	4.24E-02	-1.6	n.s.
<i>Abca1</i>	6921670	-1.9	2.71E-02	-9.1	n.s.
<i>Cd83</i>	6806640	-1.8	n.s.	-3.5	1.41E-04
<i>Timd4</i>	6780572	-1.8	3.49E-02	-2.1	n.s.

<i>Abcg1</i>	6849766	-1.8	4.56E-02	-2.4	n.s.
<i>Trex1*</i>	6998741	-1.8	2.24E-02	-2.4	1.65E-04
<i>Map3k8</i>	6863048	-1.8	4.65E-02	n.d.	n.d.
<i>lkbke</i>	6762151	-1.8	4.56E-02	-1.4	n.s.
<i>Gpr18</i>	6827943	-1.8	n.s.	-8.7	7.50E-05
<i>Gdap10</i>	6794294	-1.8	2.81E-02	n.d.	n.d.
<i>Isg15*</i>	6927363	-1.8	3.93E-02	-11.9	1.67E-19
<i>9930111J21Rik2</i>	6787925	-1.7	4.68E-02	n.d.	n.d.
<i>Ifi35</i>	6784270	-1.7	2.55E-02	-1.9	n.s.
<i>Adar</i>	6899262	-1.7	2.24E-02	-1.7	n.s.
<i>Fbxw17</i>	6806991	-1.7	4.53E-02	-2.1	n.s.
<i>Trim14</i>	6921379	-1.7	4.83E-02	-1.4	n.s.
<i>Slc39a4</i>	6836839	-1.7	3.93E-02	-2.0	n.s.
<i>Tapbp</i>	6849990	-1.7	3.63E-02	-1.8	n.s.
<i>Psmb9</i>	6855013	-1.7	3.60E-02	-1.8	n.s.
<i>P2rx4</i>	6934164	-1.7	n.s.	-2.4	2.96E-03
<i>Mov10</i>	6907869	-1.7	3.60E-02	-1.5	n.s.
<i>Arid5b</i>	6774719	-1.7	2.38E-02	-1.9	n.s.
<i>Nampt</i>	6794293	-1.7	2.29E-02	-2.0	n.s.
<i>Phyhd1 Lrrc8a</i>	6876052	-1.6	4.81E-02	n.d.	n.d.
<i>Car13</i>	6895838	-1.6	4.53E-02	-2.2	n.s.
<i>H2-gs10</i>	6850155	-1.6	3.88E-02	-1.0	n.s.
<i>Trafd1</i>	6941672	-1.6	3.06E-02	-1.6	n.s.
<i>H2-T22 H2-T10 H2-T9</i>	7005505	-1.6	3.67E-02	n.d.	n.d.
<i>Irf9</i>	6819258	-1.6	3.46E-02	-1.6	n.s.
<i>H2-T10</i>	6855155	-1.6	3.60E-02	5.0	n.s.
<i>Nod1</i>	6953800	-1.6	4.56E-02	-1.5	n.s.
<i>Tmcc3</i>	6769928	-1.6	4.90E-02	-1.0	n.s.
<i>Sult1a1</i>	6971280	-1.5	n.s.	-28.1	2.18E-03
<i>1600014C10Rik</i>	6959968	-1.5	4.56E-02	-2.2	n.s.
<i>Tnfaip3</i>	6772417	-1.5	1.96E-02	-2.9	n.s.
<i>Blnk</i>	6873111	-1.5	4.81E-02	-1.6	n.s.
<i>Prdm1</i>	6773655	-1.5	2.29E-02	-2.0	n.s.
<i>Optn</i>	6884446	-1.5	2.55E-02	-1.8	n.s.
<i>Rxrg</i>	6754900	-1.5	3.26E-02	-1.5	n.s.
<i>Sass6</i>	6900713	-1.5	3.05E-02	1.2	n.s.
<i>Stard3</i>	6783998	-1.5	3.60E-02	-1.3	n.s.
<i>Rnf114</i>	6883320	-1.5	4.56E-02	-1.8	n.s.
<i>Slc29a3</i>	6774309	-1.5	3.88E-02	-1.3	n.s.
<i>Trim12 9230105E10Rik Trim5</i>	6970053	-1.5	3.88E-02	n.d.	n.d.
<i>Tor1aip1*</i>	6763240	-1.5	3.05E-02	-2.8	1.04E-03
<i>Ptger4</i>	6833640	-1.5	2.50E-02	-2.0	n.s.
<i>Chmp4b</i>	6882476	-1.5	3.92E-02	-5.4	n.s.
<i>Ankle2</i>	6933409	-1.4	3.49E-02	n.d.	n.d.
<i>Ftsjd2</i>	6849665	-1.4	2.29E-02	-1.4	n.s.
<i>Cds1</i>	6932930	-1.4	4.98E-02	n.d.	n.d.
<i>Tmem219</i>	6971307	-1.4	3.60E-02	-1.4	n.s.
<i>Cd22</i>	6966322	-1.4	4.49E-02	-1.7	n.s.
<i>Tnfrsf26</i>	6972411	-1.4	4.56E-02	1.6	n.s.
<i>Cnot6l</i>	6940146	-1.4	3.45E-02	1.1	n.s.

<i>Pvrl4</i>	6755175	-1.4	4.48E-02	-4.1	n.s.
<i>Ogfr</i>	6884183	-1.4	2.81E-02	-1.1	n.s.
<i>Gab2</i>	6962745	-1.4	4.47E-02	-1.3	n.s.
<i>Sdc3</i>	6917389	-1.4	4.56E-02	-1.9	n.s.
<i>Ly9</i>	6764089	-1.4	4.56E-02	-1.1	n.s.
<i>Cd86</i>	6845435	-1.4	4.56E-02	-1.6	n.s.
<i>Cd47</i>	6841410	-1.4	3.60E-02	-1.4	n.s.
<i>Acp2</i>	6879034	-1.4	3.88E-02	-1.4	n.s.
<i>Eng</i>	6876212	-1.4	3.92E-02	-1.3	n.s.
<i>Rnf31</i>	6819257	-1.4	3.60E-02	-1.3	n.s.
<i>Hpse</i>	6940363	-1.4	4.53E-02	n.d.	n.d.
<i>Ascc3</i>	6767760	-1.3	4.53E-02	-1.9	n.s.
<i>Dck</i>	6932234	-1.3	3.88E-02	-1.1	n.s.
<i>Sema4d</i>	6813187	-1.3	4.48E-02	-1.0	n.s.
<i>Rab20</i>	6980378	-1.3	2.24E-02	-1.7	n.s.
<i>Nub1</i>	6929312	-1.3	3.88E-02	-1.1	n.s.
<i>Tcirg1</i>	6870956	-1.3	3.88E-02	-1.1	n.s.
<i>Ttc39b</i>	6922895	-1.3	3.60E-02	1.0	n.s.
<i>Mobkl2c</i>	6916510	-1.3	4.65E-02	-2.1	n.s.
<i>Fndc3a</i>	6825853	-1.3	2.56E-02	-1.2	n.s.
<i>Slc15a3</i>	6868058	-1.3	3.93E-02	-1.3	n.s.
<i>Bysl</i>	6855772	1.3	3.21E-02	1.5	n.s.
<i>Ccl2</i>	6782915	1.4	n.s.	2.6	7.28E-05
<i>Ccr1</i>	6999688	1.4	n.s.	2.1	3.24E-03
<i>Slc39a14</i>	6825688	1.5	2.50E-02	1.7	n.s.
<i>Pcdh7</i>	6931001	1.5	3.87E-02	2.0	n.s.
<i>Lpcat4</i>	6880033	1.8	3.49E-02	n.d.	n.d.
<i>Gm14446</i>	n.d.	n.d.	n.d.	-11.8	4.71E-06
<i>Ifit3</i>	n.d.	n.d.	n.d.	-11.8	2.89E-24
<i>Gm12250</i>	n.d.	n.d.	n.d.	-9.6	1.16E-04
<i>H2-T24</i>	n.d.	n.d.	n.d.	-5.5	6.68E-13
<i>Usp18</i>	n.d.	n.d.	n.d.	-5.3	7.58E-07
<i>Gm4902</i>	n.d.	n.d.	n.d.	-4.5	1.85E-09
<i>Cd300lh</i>	n.d.	n.d.	n.d.	-4.4	7.58E-03
<i>Xaf1</i>	n.d.	n.d.	n.d.	-3.7	3.75E-05
<i>Oas1a</i>	n.d.	n.d.	n.d.	-3.6	4.78E-04
<i>Herc6</i>	n.d.	n.d.	n.d.	-3.6	2.68E-05
<i>H2-T23</i>	n.d.	n.d.	n.d.	-3.2	2.18E-07
<i>Lst1</i>	n.d.	n.d.	n.d.	-2.8	2.29E-04
<i>Al607873</i>	n.d.	n.d.	n.d.	-2.8	2.59E-04
<i>Tmem176a</i>	n.d.	n.d.	n.d.	-2.7	2.06E-04
<i>Ptpn7</i>	n.d.	n.d.	n.d.	1.8	7.00E-03
<i>Serpib10-ps</i>	n.d.	n.d.	n.d.	4.8	1.01E-04

TC ID = Transcript cluster Id, n.d. = not determined, n.s. = not significant