

Supplementary Table 1. Effect of TBI on Brain Inflammatory Genes:
Genes differentially expressed (>1.5 fold change, $p < 0.05$)

Affymetrix ID	Gene Symbol	Genes	Vehicle+TBI Sham
24 h post TBI			
10770082	Ifi204	interferon activated gene 204	2.46
10787491	Ifi30	interferon gamma inducible protein 30	4.10
10701924	Ifngr1	interferon gamma receptor 1	1.67
10712171	Ifitm1	interferon induced transmembrane protein 1	3.65
10726679	Ifitm2	interferon induced transmembrane protein 2	1.99
10726682	Ifitm3	interferon induced transmembrane protein 3	3.34
10845708	Ifih1	interferon induced with helicase C domain 1	1.71
10733553	Irf1	interferon regulatory factor 1	2.19
10854190	Irf5	interferon regulatory factor 5	1.54
10726758	Irf7	interferon regulatory factor 7	1.79
10808431	Irf8	interferon regulatory factor 8	2.44
10780433	Irf9	interferon regulatory factor 9	2.34
10708015	Isg20	interferon stimulated exonuclease gene 20	1.50
10729791	Ifit1	interferon-induced protein with tetratricopeptide repeats 1	5.54
10714903	Ifit3	interferon-induced protein with tetratricopeptide repeats 3	6.04
10940689	Ifrd1	interferon-related developmental regulator 1	1.91
10849841	Il1b	interleukin 1 beta	6.82
10935076	Il1rapl2	interleukin 1 receptor accessory protein-like 2	0.61
10834109	Il1rn	interleukin 1 receptor antagonist	17.23
10922826	Il1r1	interleukin 1 receptor, type I	1.92
10922816	Il1r2	interleukin 1 receptor, type II	7.10
10902662	Ilak3	interleukin-1 receptor-associated kinase 3	2.16
10898862	Ilak4	interleukin-1 receptor-associated kinase 4	1.76
10938654	Il2rg	interleukin 2 receptor, gamma	3.96
10710782	Il4ra	interleukin 4 receptor, alpha	2.61
10859799	Il6	interleukin 6	2.53
10824530	Il6r	interleukin 6 receptor	2.09
10821851	Il7r	interleukin 7 receptor	1.74
10750193	Il10rb	interleukin 10 receptor, beta	2.50
10703953	Il11	interleukin 11	3.12
10815873	Il12a	interleukin 12A	0.65
10936365	Il13ra1	interleukin 13 receptor, alpha 1	2.84
10858315	Il17ra	interleukin 17 receptor A	2.09
10789857	Il17rb	interleukin 17 receptor B	2.10
10909874	Il18	interleukin 18	1.93
10922882	Il18rap	interleukin 18 receptor accessory protein	2.38
10919537	Il20rb	interleukin 20 receptor beta	2.22
10701934	Il22ra2	interleukin 22 receptor, alpha 2	1.58
10828021	Tnf	tumor necrosis factor (TNF superfamily, member 2)	1.55
10858967	Tnfrsf1a	tumor necrosis factor receptor superfamily, member 1a	3.05
10881424	Tnfrsf1b	tumor necrosis factor receptor superfamily, member 1b	3.84
10814528	Tnfsf10	tumor necrosis factor (ligand) superfamily, member 10	0.40
10781321	Tnfrsf10b	tumor necrosis factor receptor superfamily, member 10b	1.54
10793038	Tnfsf13b	tumor necrosis factor (ligand) superfamily, member 13b	1.59
10740869	Tnfrsf12a	tumor necrosis factor receptor superfamily, member 12a	3.76
10727109	Tnfrsf26	tumor necrosis factor receptor superfamily, member 26	2.03
72 h post TBI			
10787491	Ifi30	interferon gamma inducible protein 30	8.67
10701924	Ifngr1	interferon gamma receptor 1	2.32
10712171	Ifitm1	interferon induced transmembrane protein 1	8.98

10726679	Ifitm2	interferon induced transmembrane protein 2	3.96
10726682	Ifitm3	interferon induced transmembrane protein 3	3.07
10845708	Ifih1	interferon induced with helicase C domain 1	1.94
10733553	Irf1	interferon regulatory factor 1	2.11
10854190	Irf5	interferon regulatory factor 5	2.49
10726758	Irf7	interferon regulatory factor 7	1.59
10808431	Irf8	interferon regulatory factor 8	5.12
10780433	Irf9	interferon regulatory factor 9	2.04
10738415	Ifi35	interferon-induced protein 35	1.58
10827349	Ifi44	interferon-induced protein 44	1.62
10729791	Ifit1	interferon-induced protein with tetratricopeptide repeats 1	1.54
10714907	Ifit1	interferon-induced protein with tetratricopeptide repeats 1	1.66
10849833	Il1a	interleukin 1 alpha	2.15
10849841	Il1b	interleukin 1 beta	1.84
10834109	Il1rn	interleukin 1 receptor antagonist	9.09
10922826	Il1r1	interleukin 1 receptor, type I	1.88
10922816	Il1r2	interleukin 1 receptor, type II	1.61
10938654	Il2rg	interleukin 2 receptor, gamma	4.34
10710782	Il4ra	interleukin 4 receptor, alpha	3.07
10824530	Il6r	interleukin 6 receptor	2.05
10821851	Il7r	interleukin 7 receptor	2.84
10916973	Il10ra	interleukin 10 receptor, alpha	2.10
10750193	Il10rb	interleukin 10 receptor, beta	3.24
10754983	Il13ra1	interleukin 13 receptor, alpha 1	3.08
10858315	Il17ra	interleukin 17 receptor A	2.07
10789857	Il17rb	interleukin 17 receptor B	2.12
10909874	Il18	interleukin 18	3.37
10724131	Il18bp	interleukin 18 binding protein	1.66
10922871	Il18r1	interleukin 18 receptor 1	1.62
10919537	Il20rb	interleukin 20 receptor beta	5.73
10710795	Il21r	interleukin 21 receptor	2.00
10714745	Il33	interleukin 33	1.66
10858967	Tnfrsf1a	tumor necrosis factor receptor superfamily, member 1a	3.25
10881424	Tnfrsf1b	tumor necrosis factor receptor superfamily, member 1b	4.47
10793038	Tnfsf13b	tumor necrosis factor (ligand) superfamily, member 13b	2.67
10740869	Tnfrsf12a	tumor necrosis factor receptor superfamily, member 12a	2.27
10727109	Tnfrsf26	tumor necrosis factor receptor superfamily, member 26	1.67

7 days

10701924	Ifngr1	interferon gamma receptor 1	2.12
10712171	Ifitm1	interferon induced transmembrane protein 1	4.21
10726679	Ifitm2	interferon induced transmembrane protein 2	2.30
10726682	Ifitm3	interferon induced transmembrane protein 3	3.48
10845708	Ifih1	interferon induced with helicase C domain 1	2.78
10733553	Irf1	interferon regulatory factor 1	2.26
10854190	Irf5	interferon regulatory factor 5	2.52
10726758	Irf7	interferon regulatory factor 7	4.83
10808431	Irf8	interferon regulatory factor 8	4.90
10780433	Irf9	interferon regulatory factor 9	2.49
10708015	Isg20	interferon stimulated exonuclease gene 20	1.85
10886573	Ifi27	interferon, alpha-inducible protein 27	2.34
10738415	Ifi35	interferon-induced protein 35	1.53
10827349	Ifi44	interferon-induced protein 44	2.65
10834014	Ifi44l	interferon-induced protein 44-like	3.53
10714900	Ifit2	interferon-induced protein with tetratricopeptide repeats 2	2.57
10714903	Ifit3	interferon-induced protein with tetratricopeptide repeats 3	3.98
10849833	Il1a	interleukin 1 alpha	2.08

10834109	Il1rn	interleukin 1 receptor antagonist	2.66
10922826	Il1r1	interleukin 1 receptor, type I	1.54
10922857	Il1rl1	interleukin 1 receptor-like 1	4.29
10916973	Il10ra	interleukin 10 receptor, alpha	2.01
10750193	Il10rb	interleukin 10 receptor, beta	2.65
10754983	Il13ra1	interleukin 13 receptor, alpha 1	2.35
10858315	Il17ra	interleukin 17 receptor A	1.74
10789857	Il17rb	interleukin 17 receptor B	1.68
10909874	Il18	interleukin 18	2.47
10922871	Il18r1	interleukin 18 receptor 1	1.51
10938654	Il2rg	interleukin 2 receptor, gamma	2.23
10710795	Il21r	interleukin 21 receptor	1.52
10710782	Il4ra	interleukin 4 receptor, alpha	1.56
10824530	Il6r	interleukin 6 receptor	1.98
10821851	Il7r	interleukin 7 receptor	1.95
10793038	Tnfsf13b	tumor necrosis factor (ligand) superfamily, member 13b	2.31
10765092	Tnfsf4	tumor necrosis factor (ligand) superfamily, member 4	1.75
10858967	Tnfrsf1a	tumor necrosis factor receptor superfamily, member 1a	2.52
10881424	Tnfrsf1b	tumor necrosis factor receptor superfamily, member 1b	3.05
10824951	Tnfaip8l2	tumor necrosis factor, alpha-induced protein 8-like 2	1.64
