

Supplementary Table 1

(A) Statistical results obtained from the one-way ANOVAs for gene expression changes for the two brain regions at the acute sacrifice time (48-hour post-mTBI) (significant differences $p < .05$ are in bold).

Cortex								
	F	P	VEH+CON:VEH+IMP	VEH+CON:CEL+IMP	VEH+CON:CEL+CON	VEH+IMP:CEL+IMP	VEH+IMP:CEL+CON	CEL+IMP:CEL+CON
	POST-HOC							
MAPT	12.10	<.01	<.01	1	.61	<.01	<.01	.69
GFAP	6.91	<.01	<.01	.09	.01	.48	.98	.71
AIF1	5.98	.01	.01	.07	.02	.74	.99	.88
GRIA1	10.60	<.01	.13	.88	.04	.04	<.01	.12
TARDBP	1.32	.32	-	-	-	-	-	-
TNF	6.36	<.01	<.01	.15	.31	.19	.09	.96
NEFL	1.54	.26	-	-	-	-	-	-
Hippocampus								
	POST-HOC							
MAPT	3.9	.04	.07	.99	.75	.04	.33	.56
GFAP	0.38	.77	-	-	-	-	-	-
AIF1	1.49	.27	-	-	-	-	-	-
GRIA1	24.14	<.01	<.01	.98	.09	<.01	<.01	.17
TARDBP	7.99	<.01	.43	.99	<.01	.54	.13	<.01
TNF	0.88	.48	-	-	-	-	-	-
NEFL	21.85	<.01	<.01	.94	<.01	<.01	.56	<.01

(B) Statistical results obtained from the one-way ANOVAs for gene expression changes for the two brain regions at the chronic sacrifice time (3 months post-mTBI) (significant differences $p < .05$ are in bold).

Cortex								
			POST-HOC					
	F	P	VEH+CON:VEH+IMP	VEH+CON:CEL+CON	VEH+CON:CEL+IMP	VEH+IMP:CEL+CON	VEH+IMP:CEL+IMP	CEL+IMP:CEL+CON
MAPT	11.46	<.01	.65	.03	.13	<.01	.64	<.01
GFAP	0.43	.74	-	-	-	-	-	-
AIF1	4.28	.03	.16	.77	.45	.03	.89	.11
GRIA1	0.33	.80	-	-	-	-	-	-
CCL11	6.93	<.01	<.01	.95	.14	.02	.34	.32
TARDBP	6.75	<.01	.16	.19	.93	<.01	.37	.07
TNF	3.42	.05	.49	.35	.99	.03	.35	.50
NEFL	1.95	.18	-	-	-	-	-	-
Hippocampus								
			POST-HOC					
MAPT	24.75	<.01	.14	.96	<.01	.30	<.01	<.01
GFAP	21.21	<.01	.02	<.01	.18	<.01	<.01	.25
AIF1	23.46	<.01	<.01	<.01	.97	<.01	.02	.09
GRIA1	5.90	.01	.98	.34	.03	.20	.01	.41
CCL11	10.92	<.01	.86	<.01	.12	<.01	.03	.28
TARDBP	16.69	<.01	.07	<.01	.29	<.01	<.01	.19
TNF	5.45	.02	.47	.12	1	.01	.54	.15
NEFL	15.39	<.01	.24	<.01	.16	<.01	<.01	.20