

Supplemental Table 1. Metabolite cycling ratios[#]

<u>15 min</u>	GLU C3/GLU C4	GLN C3/GLN C4	GABA C3/GABA C2
sham ipsi	1.13 ± 0.17	1.00 ± 0.13	0.66 ± 0.26
sham contra	0.97 ± 0.11	1.02 ± 0.13	0.68 ± 0.16
TBI ipsi	0.74 ± 0.11*	0.90 ± 0.16	0.58 ± 0.08
TBI contra	0.67 ± 0.05	1.10 ± 0.28	0.57 ± 0.13
<u>30 min</u>			
sham ipsi	1.18 ± 0.15	1.11 ± 0.06	0.64 ± 0.09
sham contra	0.81 ± 0.10	1.02 ± 0.13	0.65 ± 0.13
TBI ipsi	1.00 ± 0.19	1.15 ± 0.21	0.49 ± 0.07
TBI contra	1.08 ± 0.12	0.89 ± 0.12	0.84 ± 0.17

[#]Cycling ratios are the ratios of labeling from the second turn/first turn of the TCA cycle for glutamate glutamine and GABA. Values represent means ± S.E. of data from 6 TBI and 5 sham rats at each time points. Data were analyzed using one-way ANOVA. * p <0.03 compared to sham ipsi.

Supplemental Table 1.