

Table S1: Key metabolite concentrations normalized to water in the ACC (mean \pm standard error mean)(institutional units). NAA: N-Acetylaspartate, Cr: Creatine+phosphocreatine, GABA: Gamma amino butyric acid, Gln: Glutamine, Glu: Glutamate

	Male-SB+ ($\times 10^{-4}$)	Male-SB- ($\times 10^{-4}$)	Female-SB+ ($\times 10^{-4}$)	Female-SB- ($\times 10^{-4}$)	<i>p</i> value (SB+ vs.SB-)	<i>p</i> value (males SB+ vs.males SB-)	<i>p</i> value (females SB+ vs.females SB-)
NAA/H ₂ O	2.89 \pm 0.11	2.86 \pm 0.10	2.71 \pm 0.16	2.35 \pm 0.19	0.54	0.83	0.23
Cr+PCr/H ₂ O	2.2 \pm 0.09	2.2 \pm 0.15	1.9 \pm 0.12	1.7 \pm 0.11	0.77	0.94	0.24
GABA/H ₂ O	0.41 \pm 0.03	0.38 \pm 0.03	0.29 \pm 0.02	0.33 \pm 0.03	0.72	0.64	0.44
Gln/H ₂ O	0.55 \pm 0.3	0.54 \pm 0.05	0.42 \pm 0.05	0.42 \pm 0.04	0.8	0.82	0.97
Glu/H ₂ O	2.43 \pm 0.11	2.46 \pm 0.12	2.19 \pm 0.12	1.89 \pm 0.27	0.8	0.89	0.24