Table S1: Key metabolite concentrations normalized to water in the ACC (mean ± standard error mean)(institutional units). NAA: N-Acetylaspartate, Cre: 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- ($\times 10^{-4}$)	p value (SB+ vs.SB-)	p value (males SB+ vs.males SB-)	p value (females SB+ vs.females SB-)
NAA/H2O	2.89 ± 0.11	2.86 ± 0.10	2.71 ± 0.16	2.35 ± 0.19	0.54	0.83	0.23
Cr+PCr/H2O	2.2 ± 0.09	2.2 ± 0.15	1.9 ± 0.12	1.7 ± 0.11	0.77	0.94	0.24
GABA/H2O	0.41± 0.03	0.38 ± 0.03	0.29± 0.02	0.33 ± 0.03	0.72	0.64	0.44
Gln/H2O	0.55 ± 0.3	0.54 ± 0.05	0.42± 0.05	0.42 ± 0.04	0.8	0.82	0.97
Glu/H2O	2.43 ± 0.11	2.46 ± 0.12	2.19 ± 0.12	1.89 ± 0.27	0.8	0.89	0.24