

Supplementary Table S4: P-values for comparison of metabolite levels by two-way ANOVA. For comparisons between groups Tukey's post hoc tests were used, the results are presented in the figures in the main text.

Matrix	Ratio	Diet effect	Access effect	Diet effect x access effect
Plasma	KA/QA	<0.001	0.003	<0.001
Plasma	KA/3-HK	<0.001	<0.001	0.001
Plasma	KYN/3-HK	<0.001	<0.001	0.001
Plasma	KYN/TRP	0.003	<0.001	0.007
Hippocampus	KYN/TRP	0.001	0.006	0.004