

**Table S3 Identified metabolites strongly correlated with Metabolite PC 2**

Metabolite ID	Correlation	p-value
glycine	0.65	$1.9 \times 10^{-9}$
arachidonoyl dopamine	0.54	$1.4 \times 10^{-5}$
glucose	0.44	$4.0 \times 10^{-3}$
fructose	0.39	$1.0 \times 10^{-2}$
valine	-0.47	$1.3 \times 10^{-3}$
leucine	-0.48	$9.1 \times 10^{-4}$
l-dopa	-0.50	$1.2 \times 10^{-4}$
methionine	-0.52	$5.9 \times 10^{-4}$
isoleucine	-0.53	$2.8 \times 10^{-5}$
phenylalanine	-0.55	$1.8 \times 10^{-7}$