

Supplementary Table 2. Difference of metabolites between men and women controls

Metabolites	MCS	FCS	Z value	p-value
2-Phenylglycine	1.81 ± 1.60	0.75 ± 0.60	-2.06	0.039
3-Hydroxyisovaleric acid	0.14 ± 0.09	0.54 ± 1.82	-2.04	0.042
D-2-Hydroxyglutaric acid	14.34 ± 15.42	7.70 ± 9.53	-2.01	0.044
Glyceric acid	174.41 ± 298.02	61.69 ± 71.39	-2.56	0.011
Glycine	8.68 ± 13.40	2.77 ± 2.01	-2.58	0.01
L-Alanine	4.34 ± 6.70	1.39 ± 1.00	-2.55	0.011
L-Alpha-aminobutyric acid	4.40 ± 8.18	1.38 ± 2.30	-2.48	0.013
L-Cystine	12.42 ± 19.83	2.29 ± 2.86	-1.76	0.078
L-Histidine	9.16 ± 10.41	3.80 ± 3.36	-3.08	0.002
L-Methionine	93.85 ± 63.35	38.71 ± 28.07	-3.65	<0.001
L-Serine	11.42 ± 6.53	8.22 ± 6.90	-2.06	0.039
Myristic acid	18.05 ± 23.94	7.86 ± 3.35	-2.01	0.044
Ornithine	7.36 ± 21.93	0.34 ± 1.13	-3.35	0.001
Putrescine	9.53 ± 10.03	3.96 ± 8.30	-2.81	0.005

Values are presented as mean ± standard error of mean. MCS: man control set, FCS: woman control set.