Table S1: List of compounds identified in the plasma samples using GC-TOFMS.

Compound name	Characteristic fragment ions	Quantitative Mass	Retention Time (min)	Match
2-oxopropanoic acid	174,89,73,45	174	5.216	737
Lactic acid	291,219,190,147,117,75,73,45	190	5.394	782
Hydroxyacetic acid	147,73,66,45,43	147	5.599	951
L-alanine	218,190,147,116,73,45	116	5.993	953
2-oxo-3-methylbutanoic acid	186,127,89,73,45	89	6.058	939
Glycine	276,248,174,147,145,102,100,86,73	102	6.266	761
2-hydroxybutyric acid	147,131,75,73	131	6.320	904
Oxalic acid	174,147,96,75,73,45	147	6.533	721
L-leucine	260,232,158,147,102,86,73,45	86	6.770	780
3-hydroxybutyric acid	147,117,75,73,45	147	6.814	899
2-hydroxy-3-methylbutyric acid	219,145	145	6.863	914
2-aminobutyric acid	130,75,73,59	130	6.990	976
Pentanoic acid	234,189,148,89,73,45	89	7.067	915
2-oxo-4-methylvaleric acid	200,158,89,73,45	200	7.562	785
L-valine	246,218,144,100,73,45	144	7.617	981
Urea	171,147,75,73,45	171	8.099	753
Caprylic acid	233,201,117,75,45	201	8.322	857
Ethanolamine	147,102，73，45,43	147	8.354	831
Phosphate	299,253,211,133,73,45	211	8.423	864
L-isoleucine	260,232,218,158,147,100,73,45	158	8.713	893
L-threonine	320,291,219,147,117,130,101,73,57,45	130	8.719	933
Butanedioic acid	262,247,172,147,75,73,45	147	8.999	890
Picolinic acid	180,136,106,78,51	136	9.113	943

2,3-dihydrxoypropanoic acid C3:0	292,189,147,102,73,45	189	9.202	927
Fumaric acid	245,147,115,83,75,73,45	245	9.497	909
L-serine	306,218,204,188,147,100,73,45	204	9.618	954
2-piperidinecarboxylic acid	307,251,217,156,116,84,45	156	9.703	823
4-aminobutanoic acid	232,216,147,115,102,75,73,45	147	10.566	914
3-amino-2-piperidone	293,243,175,141,128,73,45	141	10.882	758
Decanoic acid	229,154,145,132,129,117,75,73,41	154	10.925	922
Aminomalonic acid	320,276,218,174,147,86,73,45	218	11.048	961
Malic acid	147,75,73,55,45	73	11.276	931
D-threitol	307,217,205	217	11.521	930
L-methionine	293,250,219,176,147,128,73,61,45	176	11.676	838
5-oxoproline	230,156,112,73,45	156	11.698	967
L-aspartic acid	232,100,75,73,45	232	11.815	939
Creatine	275,241,171,115,73,45	115	12.107	847
L-cysteine	322,294,220,218,147,118,100,73,45	218	12.117	931
Threonic acid	292,147,117,103,73,45	292	12.152	967
2-oxopentanedioic acid	288,229,198,147,89,73,45	198	12.348	772
L-proline	259,216,143,142,73,59,45	142	12.442	807
L-citrulline	348,142,128,102,73,70,59,45	142	12.864	783
L-glutamic acid	348,246,230,147,128,73,45	246	12.918	901
L-phenylalanine	266,218,192,147,100,91,73,45	218	13.015	971
D-xylose	307,217,147,103,73,59	103	13.154	718
Dodecanoic acid C12:0	272,257,131,129,117,75,73,55,41	117	13.363	883
L-asparagine	258,248,188,132,116,73,45,23	116	13.539	884
Ribitol	307,217,147,126,89,73,45	147	14.018	965
D-arabitol	512，307,217,63	217	14.202	961

Glycerolphosphate	299,147,475,73,45	299	14.740	843
4-hydroxyproline	332,304,274,230,147,140,73,45	274	14.944	945
3-phosphoglyceric acid	357,299,256,211,147,101,73,45	265	15.343	811
L-ornithine	400,259,200,174,142,73	142	15.537	926
Citric acid	465,275,273,247,147,75,73,45	156	15.539	741
D-(+)-Talofuranose	347,281,217,147,103,73,45	147	15.869	757
1,5-anhydroglucitol (1,5-AG)	362,319,259,217,147,103,72,45	217	16.003	854
D-fructose	364,307,217,147,103,73,45	103	16.267	780
D-mannose	319，205,160,147,103,73,45	160	16.676	811
D-glucose	319,205,147,103	319	16.919	822
L-lysine	317,230,174,156,128,73,45	156	17.010	940
D-glucuronic acid	333,292,217,147	333	17.161	907
L-tyrosine	280,218,179,147,100,73,45	218	17.221	927
Gluconic acid lactone	217,148,133,130,129,74	217	17.468	845
Galactopyranose	319,275,217,204,147,103,73,45	204	17.790	888
Hexadecanoic acid C16:0	328,313,145,132,129,117,75,73,45	117	18.769	954
Myo-inositol	217,147,74,73,45	217	19.365	966
Uric acid	236,206,147,100,74,73,45	206	19.472	879
L-tryptophan	291,218,202,147,100,73,59,45	202	20.903	795
cis-9,12-octadecadienoic acid C18:2	174,75，73,67,55,41	174	20.913	932
Oleic acid C18:1	354,339,129,117,75,73,56	117	20.972	899
Octadecanoic acid C18:0	356,341,132,117,75,73,43	117	21.192	921
L-cystine	411,297,266,218,146	218	21.523	786
Pseudouridine	357,290,217,147,103,73,45	217	21.763	910
Arachidonic acid	150,79,75,67,41	79	21.956	925
5,8,11,14,17-eicosapentaenoic acid	241,199,117,91,75,53	91	22.909	933

Cellobiose	361,204,147,103,73,45	204	23.562	960
1-linoleoyl-glycerol	305,257,203,129,103,77,55	103	23.920	947
Cholesterol	129,75,73,43,41	129	27.380	893