

Table S5. Level of metabolite identification for metabolites detected on GC/MS

Metabolite	Retention time (min)	Fragmented ion	Level of identification
AMP	14.933	169	1
Adenine	10.894	264	1
Sucrose	13.445	361	1
D-Glucose	10.861/10.956	319	1
Talose/D-Mannose	10.809	319	1
Fructose	10.743	307	1
Trehalose	13.78	361	1
Myoinositol	11.661	305	1
Glucose-6P	12.336	357	1
Glycerol-3P	10.281	243	1
3-Phospho-D-glycerate	10.484	357	1
Fruuctose-6P	12.38	315	1
Ribulose-5P	11.63/11.69	340/221	1
Glyceric acid	8.173	189	1
D-Lactic acid	6.757	117	1
Fumaric acid	8.317	245	1
Malic acid	9	233	1
Isocitrate	10.545	245	1
Acetic acid	9.032	232	1
L-Ornithine	10.57	142	1
L-Lysine	11.003	317	1
Tryptophan	12.228	202	1
L-Valine (IS)	7.59	144	1
Aspartic acid	8.731/9.179	232	1
Phenylalanine	9.455/9.776	120	1
L-Histidine	11.046	254	1
L-Serine	8.337	204	1
L-Proline	8.083	142	1
Glycine	7.189/8.109	102/248	1
L-Alanine	6.991	116	1
Isolucine	8.016	158	1
L-Asparagine	9.91	231	1
L-Threonine	8.042/8.479	117	1
L-Homoserine	8.82	128	1
L-Methionine	9.228	176	1
Tyrosine	11.101	280	1
Myristic acid	10.73	285	1
Palmitic acid	11.592	313	1
Stearic acid	12.257	341	1