

Table 1 Suppl. The relative abundance of some maximum metabolites as concluded from GC-MS Data.

<https://pubchem.ncbi.nlm.nih.gov/compound/439451>, <https://en.wikipedia.org/wiki/>.

No.	Compound	Chemical formula	Molar mass (g/mol)	Maximum abundance (%)	Species
1	Myo-inositol	C ₆ H ₁₂ O ₆	180.16	1328.68	<i>E. camaldulensis</i>
2	Galactinol	C ₁₂ H ₂₂ O ₁₁	342.297	973.6	<i>E. citriodora</i>
3	Quinic acid	C ₇ H ₁₂ O ₆	192.17	855.03	<i>E. tereticornis</i>
4	Tagatose	C ₆ H ₁₂ O ₆	180.16	822.92	<i>E. camaldulensis</i>
5	Shikimic acid	C ₇ H ₁₀ O ₅	174.15	784.46	<i>E. maidenii</i>
6	Gallic acid	C ₇ H ₆ O ₅	170.12	690.52	<i>E. tereticornis</i>
7	Citric acid	C ₆ H ₈ O ₇	192.124	688.18	<i>E. camaldulensis</i>
8	Galactonic acid	C ₆ H ₈ O ₇	192.124	622.08	<i>E. tereticornis</i>
9	Maltotriitol	C ₁₈ H ₃₄ O ₁₆	506.46	592.07	<i>E. maidenii</i>
10	β-Mannosylglycerate	C ₉ H ₁₆ O ₉	268.218	511.23	<i>E. citriodora</i>
11	Glucose-1-phosphate	C ₆ H ₁₃ O ₉ P	260.135	365.68	<i>E. maidenii</i>
12	L-Malic-acid	C ₄ H ₆ O ₅	134.0874	337.55	<i>E. maidenii</i>
13	Gentiobiose	C ₁₂ H ₂₂ O ₁₁	342.3	265.43	<i>E. robusta</i>
14	4-Aminobutyric acid	C ₄ H ₉ NO ₂	103.12	250.13	<i>E. tereticornis</i>
15	Glycerol	C ₃ H ₈ O ₃	92.09382	172.55	<i>E. maidenii</i>
16	5-Aminoimidazole	C ₈ H ₁₄ N ₃ O ₇ P	295.186	155.17	<i>E. camaldulensis</i>
17	Digalacturonic acid	C ₆ H ₁₀ O ₇	194.139	149.82	<i>E. maidenii</i>
18	Chlorogenic acid	C ₁₆ H ₁₈ O ₉	354.31	144.37	<i>E. camaldulensis</i>
19	Octadecanol	C ₁₈ H ₃₈ O	270.49	114.41	<i>E. citriodora</i>
20	Vanillylmandelic	C ₉ H ₁₀ O ₅	198.173	107.04	<i>E. citriodora</i>
21	Glucosheptonic acid	C ₇ H ₁₄ O ₈	226.181	91.48	<i>E. camaldulensis</i>
22	Threonic acid	C ₄ H ₈ O ₅	136.1	78.14	<i>E. camaldulensis</i>
23	Ethanolamine	C ₂ H ₇ NO	61.08	77.27	<i>E. tereticornis</i>
24	Isopropyl-β-D-thiogalactopyranoside	C ₉ H ₁₈ O ₅ S	238.31	64.09	<i>E. camaldulensis</i>

Table 2 Suppl. GC-MS metabolites classified into 11 metabolite groups (MGs) pertaining to their chemical structures.

Amino acids (MG 1)		Organic acids (MG 3)		Sugars, Sugar acids & Sugar alcohols (Polyols) (MG 4)	
2,6-Diaminopimelic acid	1,4-Dihydroxy-2-naphthoic acid	Nicotinic acid	1,5-Anhydroglucitol	Isopropyl-β-D-thiogalactopyranoside	
2-Amino-3-(4-hydroxyphenyl) Propanoic acid	1-Hydroxy-2-naphthoic acid	Oxalic acid	1-Kestose	Lactitol	
3-Hydroxynorvaline	2,3-Dimethylsuccinic acid	Pipecolic acid	2-Deoxyerythritol	Lactobionic Acid	
5-Hydroxytryptophan	2-Furoic Acid	Pyruvic acid	2-Monopalmitin	Lactose	
Alanine	2-Hydroxy-3-isopropylbutanedioic acid	Succinic acid	3,6-Anhydro-D-galactose	Lactulose	
Asparagine	Shikimic acid	Ribonic acid, gamma-lactone	6-Deoxy-D-glucose	Levogluconan	
Aspartic acid	3-Hydroxybenzoic acid	Tartaric acid	Allo-inositol	L-Threose	
β-Alanine	4-Hydroxycyclohexanecarboxylic acid	Tartronic acid	Allose	Lyxonic acid	
Citrulline	5-Hydroxyindole-2-carboxylic acid		Xylitol	Lyxose	
Glutamic acid	6-Phosphogluconic acid		Cellobiose	Maltose	
Glutamine	Aconitic acid		Cellobiitol	Maltotriitol	
Glycine	Adipic acid		D-(glycerol 1-phosphate)	Maltotriose	
Isoleucine	β-hydroxypyruvate		D-Arabitol	Mannitol	
L-Allothreonine	Cinnamic acid		D-Fructose 1,6-bisphosphate	Mannose	
L-DOPA	Citraconic acid		D-galacturonic acid	Melezitose	

L-glutamic acid	Citraconic acid degr1	d-Glucoheptose	Melibiose
Methionine	Citramalic acid	D-Glyceric acid	Mucic acid
N-Ethylglycine	Citric acid	Digalacturonic acid	Myo-inositol
Norleucine	Dehydroascorbic Acid	Digitoxose	Palatinitol
Phenylalanine	Fumaric acid	Dihydroxyacetone	Palatinose
Putrescine (free amino acid)	Glucoheptonic acid	Dithioerythritol	Raffinose
Serine	Gluconic acid	Erythrose	Ribose
Threonine	Gluconic lactone	Fructose	Saccharic (glucaric) acid
Tyrosine	Glucuronic acid	Fucose	Sedoheptulose
Valine	Glutaric Acid	Galactinol	Sophorose
Cycloleucine (free amino acid)	Glycolic acid	Galactonic acid	Sorbitol
L-4-Hydroxyphenylglycine (free amino acid)	Isocitric acid	Galactose	Sucrose
4-Aminobutyric acid (free amino acid)	Itaconic acid	Gentiobiose	Tagatose
	Lactic acid	Glucosaminic acid	Threitol
	L-Malic acid	Glucose	Threonic acid
	Maleamate	Glucose-1-phosphate	Trehalose
	Maleic acid	Glucose-6-phosphate	Turanose
	Malonic acid	Glycerol	Xylitol
	Methylmalonic acid	Isomaltose	Quinic acid

Table 2 Suppl. (continued): GC-MS metabolites classified into 11 groups pertaining to their chemical structures.

Phosphates & Ascorbate (MG 5)	Nitrogen containing-compounds (MG 6)	Aromatic compounds (MG 7)	Glycosides (MG 8)
Phosphate	1-Methylhydantoin	1-Hydroxyanthraquinone	Arbutin
Pyrophosphate	2,3-Dihydroxypyridine	2-Carboxybenzaldehyde	Loganin
Ribose-5-phosphate	2-Amino-3-methoxybenzoic acid	4-Hydroxycinnamic acid	Phenyl-β-D-glucopyranoside
Trehalose-6-phosphate	2-Hydroxypyridine	4-Nitrocatechol	Prunin
Ascorbate	3-Hydroxypyridine	5,6-Dimethylbenzimidazole	Salicin
	3-Methylamino-1,2-propanediol	Alizarin	Mannosylglycerate
Phenolic compounds & Phenolic derivatives (MG 10)	Carnitine	Benzoic acid	Terpenes & Terpenoids (MG 9)
Catechin	4-Hydroxypyridine	Benzyl alcohol	(-)-Dihydrocarveol
Taxifolin	4-Methyl-5-thiazolethanol	Sinapinic acid	Phytol
2-Hydroxybiphenyl	5,6-Dihydrouacil	Cumic Acid	Farnesol
3,4-Dihydroxybenzoic acid	5-Aminoimidazole-4-carboxamide	Cuminic alcohol	Geraniol
3-Hydroxyflavone	5-Aminovaleric acid	Dibenzofuran	Perillyl alcohol
4-Hydroxyphenylethanol	Adenine	Gentisic acid	Phytol
4-Nitrophenol	Adenosine	Mono(2-ethylhexyl)phthalate	Thymol
4-Vinylphenol	Carbobenzoyloxy-L-leucine degr2	N-Methyl-DL-alanine	

Chlorogenic Acid	Cysteinylglycine	Salicylaldehyde	Other compounds (MG 11)
Coniferyl alcohol	DL-Anabasine	Scopoletin	2-Ketobutyric acid
Epicatechin	Ethanolamine	Vanillylmandelic acid	3-Hydroxybenzyl alcohol
Epigallocatechin	Flavin adenine		3-Isochromanone
Ferulic acid	Indole-3-acetamide	Fatty acids& Fatty alcohols (MG 2)	3-Phenylcatechol
Gallic acid	Indole-3-acetic acid	1-Hexadecanol	3-Phenyllactic acid
Guaiacol	N-Acetyl-L-glutamic acid	6-Hydroxy caproic acid	Acetol
Naringenin	N-Acetyl-L-leucine	β -Hydroxymyristic acid	Methyl octanoate
Piceatannol	N-Acetyltryptophan	Diglycerol	Methyl Phosphate
Salicylic acid	N-Methyl-L-glutamic acid	Dodecanol	Methyl-cinnamate
Tricetin	N-methyltryptophan	1-Octadecanol (stearyl alcohol)	Mevalonic acid lactone
1,2,4-Benzenetriol	O-Phosphoserine	Palmitic acid	Octanal
4-Aminophenol	Pantothenic acid	Pelargonic acid	
4-Hydroxy-3-methoxybenzoic acid	Phytosphingosine	Stearic acid	
4-Hydroxybenzoic acid	Synephrine	2-Hydroxybutanoic acid	
