

Supplementary materials

Table S1. Variable Importance for Projection (VIP) scores of partial least square discriminant analysis (PLS-DA).

Parameters	Component 1	Component 2
D-Xylobiose	3.2103	3.1354
Oxidized glutathione (GSSG)	2.3955	2.352
Dihydroxyacetone	1.8116	1.7835
Dihydroxyphenylalanine	1.5772	1.548
Tyrosol	1.5687	1.5426
beta-D-Allose	1.4257	1.3954
Total glutathione	1.3721	1.3899
Piceatannol	1.3537	1.3366
Galactinol	1.2514	1.266
Lyxose	1.0738	1.1795
Malonic acid	1.0368	1.027
Alanine	1.0335	1.0487
2-Piperidinecarboxylic acid	1.0247	1.0013
Fumarate	0.88113	0.90588
N-methyl trans-4-hydroxy-L-proline (2S,4R)-4-hydroxy-1-methyl pyrrolidine-2-carboxylic acid (R002953)	0.88095	0.86293
Viburnitol	0.86141	0.84091
Glyceric acid	0.8198	0.80268
Catechin	0.76755	1.0502
2-oxoglutarate	0.76598	0.7581
Cellobiitol	0.73161	0.71427
DHAR activities	0.67227	0.66159
Serine	0.65204	0.65402
H2O2	0.6364	0.62567
Ribonic acid	0.63265	0.63869
Phosphoric acid monomethyl ester	0.61658	0.61252
4-Methylcatechol	0.59535	0.58221
soluble protein	0.59201	0.59442
Phospahte	0.5068	0.4949
Glucoheptonic acid-1,4-lactone	0.46508	0.57202
Gulonic acid	0.46233	0.45284
Hydroquinone	0.45855	0.45347
D155405	0.45261	0.4737
threo-Guaiacylglycerol	0.44366	0.46561
Palatinose	0.4384	0.46062
N-methyl cis-4-hydroxymethyl-L-proline	0.4151	0.40752
Quinic acid	0.38256	0.38833
Sulfate	0.38135	0.37489
Arabitol	0.37477	0.3742
3-dehydro-Shikimic acid	0.36988	0.55267
4-hydroxy-Benzoic acid	0.33822	0.38318
Leaf hydration	0.298	0.29091
cis-4-hydroxy-Cinnamic acid	0.21318	0.2285
Sorbitol	0.20214	0.20345
Arabinose	0.19134	0.20424
Total sugar	0.18976	0.28667
Gluconic acid	0.16001	0.19854