

Table. S3. The detail data for VIP value.

No.	Compounds	VIP	Type
1	1-O-Galloyl-2-O-Cinnamoyl-β-D-glucose	1.56	down
2	4-Nitrophenol	1.55	down
3	Sinapic acid	1.55	up
4	Syringaldehyde; 4-Hydroxy-3,5-Dimethoxybenzaldehyde	1.55	down
5	Methyl gallate	1.55	up
6	4-O-Methylgallic Acid	1.54	up
7	Sideretin (5,7,8-Trihydroxy-6-methoxycoumarin)	1.54	up
8	Kaempferol-7-O-glucoside*	1.53	up
9	Furanofructosyl-α-D-(6-mustard acyl)glucoside*	1.53	up
LF-OMTMS-D vs MF-OMTMS-D			
10	6'-O-Sinapoylsucrose*	1.53	up
11	Quercetin-4'-O-glucoside (Spiraeoside)*	1.52	up
12	Chrysoceriol-5-O-glucoside	1.51	up
13	1-O-Sinapoyl-β-D-glucose	1.51	up
14	Hesperetin-5-O-glucoside	1.49	up
15	Kaempferol-3-O-galactoside (Trifolin)*	1.49	up
16	Quercetin-3-O-glucoside (Isoquercitrin)*	1.49	up
17	3-(3-Hydroxyphenyl)-3-hydroxypropanoic acid	1.48	down
18	Kaempferol-3-O-rhamnoside (Afzelin)(Kaempferin)*	1.45	up
19	3-O-p-Cumaroylshikimic acid	1.45	down
20	Quercetin-7-O-glucoside*	1.43	up
Gambirin A1			
1	Gambirin A1	1.37	up
2	Syringaldehyde; 4-Hydroxy-3,5-Dimethoxybenzaldehyde	1.37	down
3	Protocatechuic Acid Methyl Ester	1.37	up
4	Glucosyringic acid	1.37	up
5	Kaempferol-7-O-rhamnoside*	1.37	up
6	4-Nitrophenol	1.37	down
7	Sinapic acid	1.36	up
8	4-O-Methylgallic Acid	1.36	up
9	Methyl gallate	1.36	up
LF-OMTMS-D vs HF-OMTMS-D			
10	7-Methoxy-3-[1-(3-pyridyl)methylidene]-4-chromanone	1.36	up
11	Chrysoceriol-5-O-glucoside	1.36	up
12	Kaempferol-7-O-glucoside*	1.36	up
13	Quercetin-7-O-rutinoside*	1.36	up
14	1-O-Sinapoyl-β-D-glucose	1.36	up
15	3,4-Methylenedioxy cinnamyl alcohol	1.36	up
16	Quercetin-4'-O-glucoside (Spiraeoside)*	1.36	up
17	Syringin	1.35	up
18	p-Coumaric acid methyl ester	1.35	up
19	Quercetin-3-O-glucoside (Isoquercitrin)*	1.35	up
20	Sideretin (5,7,8-Trihydroxy-6-methoxycoumarin)	1.35	up

1	Gambirin A1	1.50	up
2	Gallacetophenone	1.50	up
3	1-hydroxy-7-{{[(2s,3r,4s,5r,6r)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy}xanthen-9-one}	1.50	down
4	Syringin	1.49	up
5	1-O-Galloyl-2-O-Cinnamoyl- β -D-glucose	1.49	up
6	7-Methoxy-3-[1-(3-pyridyl)methylidene]-4-chromanone	1.47	up
7	Hydroxyferulic acid glucoside	1.47	up
8	Quercetin-4'-O-glucoside (Spiracoside)*	1.47	up
9	Quercetin-3-O-glucoside (Isoquercitrin)*	1.46	up
10	Chrysoriol-5-O-glucoside	1.46	up
MF-OMTMS-D vs HF-OMTMS-D			
11	Hesperetin-5-O-glucoside	1.46	up
12	Quercetin-3-O-arabinoside	1.46	up
13	Kaempferol-7-O-glucoside*	1.46	up
14	Hispidulin-7-O-glucoside(Homoplantaginin)*	1.45	up
15	Kaempferol-7-O-rhamnoside*	1.45	up
16	Apigenin-6-C-arabinoside-8-C-xyloside*	1.44	up
17	Apigenin-6,8-di-C-arabinoside*	1.44	up
18	Kaempferol-3-O-galactoside (Trifolin)*	1.44	up
19	Quercetin-7-O-glucoside*	1.43	up
20	3-O-p-Coumaroylshikimic acid	1.39	down

* represents the presence of an isomer of the compound.