

Table S1. Main differences in the distribution of metabolite content

order	compound name	W1(ng/g)	W2(ng/g)	W3(ng/g)	C1(ng/g)	C2(ng/g)	ANOVA P-VALUE	Q-VALUE
1	Liquiritin	4376574.67	3282870.97	2145192.75	5327452.84	3246241.94	0.0000	0.0000
2	Daidzin	684051.39	146032.01	221684.56	367693.01	65840.18	0.0002	0.0003
3	Tectochrysin	108177.68	43173.68	48806.95	128618.02	61779.68	0.0001	0.0001
4	Licoisoflavone A	137034.73	36477.43	88931.50	46141.02	31042.43	0.0000	0.0000
5	Schaftoside	24911.64	15444.74	37199.98	149419.95	87646.72	0.0001	0.0002
6	Liquiritigenin	86165.74	54107.75	48280.86	48915.51	41933.32	0.0026	0.0027
7	Isoliquiritigenin	53976.50	14300.97	27050.44	50423.33	46609.40	0.0004	0.0005
8	Formononetin	56317.26	2997.10	14609.00	19791.70	8646.82	0.0000	0.0000
9	Licoflavonol	29082.89	5587.11	39981.20	2823.36	3195.53	0.0000	0.0000
10	Naringenin-7-O-glucoside	11837.68	4821.41	4661.25	23354.71	23580.89	0.0000	0.0000
11	Kushenol A	3604.16	5734.79	6032.77	13036.87	4818.37	0.0280	0.0280
12	Syringic acid	6207.44	7136.99	3382.75	3829.13	7510.83	0.0000	0.0000
13	Kaempferol	934.03	268.05	1998.73	20182.14	4078.19	0.0000	0.0000
14	7,4'-Dihydroxyflavone	2707.16	911.59	8886.56	2197.03	467.08	0.0001	0.0002
15	Echinatin	1321.41	527.66	8812.77	377.43	220.66	0.0020	0.0022
16	Licoflavone A	1125.40	3025.53	5706.84	1081.50	221.46	0.0002	0.0004
17	Sciadopitysin	0.74	0.85	7182.78	0.88	1666.54	0.0001	0.0002
18	p-Hydroxycinnamic Acid	1542.89	1120.43	1022.77	2099.97	795.06	0.0000	0.0000
19	Trans-Cinnamic acid	255.43	1242.07	2414.88	641.45	760.27	0.0003	0.0005
20	Isoginkgetin	0.74	0.85	2557.11	0.88	343.37	0.0009	0.0012
21	Ginkgetin	0.74	0.85	1293.13	0.88	256.20	0.0014	0.0016

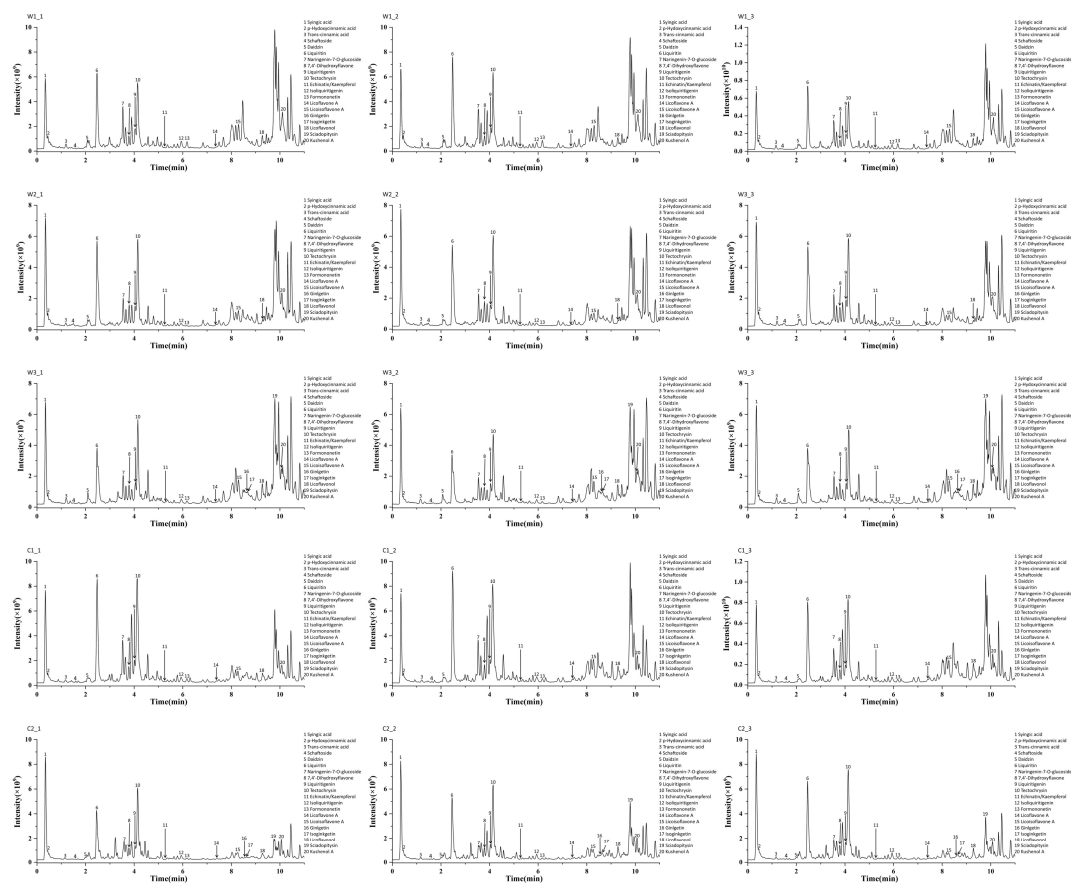


Figure S1. TIC profiles of 21 metabolites across all samples. 1: Syringic acid; 2: p-Hydroxycinnamic acid; 3: Trans-cinnamic acid; 4: Schaftoside; 5: Daidzin; 6: Liquiritin; 7: Naringenin-7-O-glucoside; 8: 7,4'-Dihydroxyflavone; 9: Liquiritigenin; 10: Tectochrysin; 11: Echinatin/Kaempferol; 12: Isoliquiritigenin; 13: Formononetin; 14: Licoflavone A; 15: Licoisoflavone A; 16: Ginlgentin; 17: Isoginkgetin; 18: Licoflavonol; 19: Sciadopitysin; 20: Kushenol A.