

Table S2 Summary statistics of one-way ANOVA for each of the leaf metabolites

Leaf Metabolites	Df	Sum of Squares	Mean Square	F	<i>P</i> -value
THEA	4	13	3.25	88.41	$9.22 \times 10^{-8*}$
ASP	4	0.02	0.005	2.73	0.09
GLU	4	0.11	0.03	5.09	0.02
ASN	4	0.002	0.0005	0.56	0.7
SER	4	0.03	0.01	3.19	0.06
GLN	4	0.09	0.02	64.32	$4.26 \times 10^{-7*}$
HIS	4	0.03	0.01	1.78	0.21
GLY	4	0.001	0.0003	0.33	0.85
THR	4	0.005	0.0001	1.94	0.18
ARG	4	0.8	0.2	23.94	$4.18 \times 10^{-5*}$
ALA	4	0.03	0.01	0.3	0.87
GABA	4	0.3	0.08	2.36	0.12
TYR	4	0.01	0.002	1.25	0.35
VAL	4	0.0007	0.0002	2.27	0.13
TRP	4	0.0005	0.0001	0.67	0.63
PHE	4	0.0002	0.00004	2	0.17
ILE	4	0.0004	0.0001	2.29	0.13
LEU	4	0.001	0.0002	6.29	0.01
LYS	4	0.03	0.01	1.77	0.21
EGCG	4	22.99	5.75	65.55	$3.89 \times 10^{-7*}$
GC	4	0.16	0.04	17.69	$1.57 \times 10^{-4*}$
EGC	4	2.1	0.53	6.89	0.01
CC	4	0.003	0.0007	2.48	0.11
EC	4	0.79	0.2	10.22	$1.47 \times 10^{-3*}$
GCG	4	0.07	0.02	8.11	3.51×10^{-3}
ECG	4	1.54	0.39	5.02	0.02
CG	4	0.005	0.001	3.73	0.04
GA	4	0.03	0.01	14.6	$3.51 \times 10^{-4*}$
CAF	4	3.8	0.95	11.68	$8.71 \times 10^{-4*}$
TB	4	0.29	0.07	9.93	1.65×10^{-3}
TP	4	0.0002	0.00004	1.08	0.42