

Table S3 The method validation, including regression equation, precision, stability, repeatability and recovery of thirteen metabolites determined in *A. argyi* leaves samples.

Compound	Regression equation	Correlation coefficient (<i>r</i>)	Linear range (µg/mL)	Precision		Stability (RSD, %)	Reproducibility (RSD, %)	Recovery					
				Intra-day (RSD, %)	Inter-Day (RSD, %)			Low (50%)		Medium (100%)		High (150%)	
								Recovery (%)	RSD (%)	Recovery (%)	RSD (%)	Recovery (%)	RSD (%)
1	y=13870x-11505	0.9999	4.7-150.0	1.1	0.8	1.0	1.8	103.7	0.4	104.1	0.6	103.8	0.3
4	y=14909x-86288	1.0000	18.1-580.0	0.8	0.1	0.1	0.8	104.2	1.5	103.4	0.9	101.9	0.7
5	y=14207x-38235	0.9999	4.8-154.0	0.8	0.2	0.6	1.1	97.6	2.4	96.4	0.4	96.2	1.0
7	y=23378x-3358.4	1.0000	0.7-21.0	1.1	0.9	0.7	2.3	102.3	1.2	104.7	0.2	103.3	0.9
12	y=14619x-964.3	1.0000	4.6-146.0	0.6	0.1	0.4	0.8	101.8	1.2	102.4	2.8	101.3	1.1
15	y=8985.7x-2369	1.0000	2.7-86.0	1.9	0.5	1.7	1.9	101.6	1.6	102.4	2.8	102.0	1.8
18	y=19241x-314574	0.9971	10.5-336.0	2.1	1.7	0.6	1.4	97.2	1.2	98.0	1.4	98.6	0.6
20	y=21127x-364422	0.9993	17.3-552.0	0.5	0.1	0.2	1.3	102.9	0.9	103.1	0.3	102.5	1.0
24	y=20211x-313467	0.9989	13.2-422.0	0.4	1.3	0.2	1.8	101.2	0.3	101.9	0.4	101.2	0.2
39	y=23442x-8361.4	0.9989	0.4-11.8	0.9	2.5	1.4	2.8	98.7	1.3	98.9	1.8	98.9	1.5
42	y=25483x-24586	0.9992	1.1-34.0	0.4	0.6	0.4	1.8	98.7	1.3	99.6	0.5	99.7	0.5
45	y=25369x-21833	0.9997	2.2-70.0	0.4	0.1	0.6	1.3	103.4	0.2	103.4	0.7	103.7	0.3
46	y=30784x-1872.9	1.0000	0.3-10.0	1.0	0.7	1.5	1.6	103.0	0.5	101.4	1.5	103.4	1.1