

Table 2 Relative concentrations and fold changes of significantly different metabolites in EI and EF plants stem under ESI-

Metabolites name	EI	EF	Log ₂ ^(EI/EF)
Lauric acid	2185.23±76.75	2561.40±133.56	-0.23 *
Benzoic acid	237.55±58.58	57.34±8.13	2.05 **
Dulcitol	2305.40±847.65	101.36±9.08	4.51 *
Azelaic acid	1356.31±217.86	685.21±79.05	0.99 *
Gluconic acid	3761.02±1026.32	1553.78±177.06	1.28 *
Guanosine	1064.40±48.94	230.99±39.95	2.20 ***
Thymidine	535.25±48.61	76.83±8.12	2.80 ***
Maleic acid	3491.83±332.91	5800.03±435.08	-0.73 **
L-(+)-Lactic acid	12354.45±3222.63	698.40±190.64	4.14 **
Asparagine	6529.11±1176.52	633.30±289.78	3.37 ***
L-(-)-Malic acid	114357.52±12545.86	184766.67±14416.32	-0.69 **
Succinic acid	17430.83±5313.10	472.63±42.99	5.20 **
Citric acid	12996.81±2243.72	883.90±252.64	3.88 ***
Uridine 5'-diphosphogalactose	240.22±127.86	1691.41±103.38	-2.82 ***
16-Hydroxyhexadecanoic acid	739.17±130.94	41.31±7.38	4.16 ***
2-Oxobutyric acid	87.14±13.47	39.94±3.16	1.13 **
Pantothenic acid	293.72±30.50	81.17±41.58	1.86 **
DL-β-Leucine	768.55±161.59	91.94±37.64	3.06 **
D-Glucose 6-phosphate	539.04±207.72	1296.25±114.49	-1.27 **
7-Methylxanthine	4963.71±348.58	9360.19±821.13	-0.92 **
L-Aspartic acid	3248.79±778.10	357.87±77.56	3.18 **
α,α-Trehalose	2987.32±1346.12	16466.27±1535.58	-2.46 ***
Theophylline	5104.69±745.54	15225.50±1229.79	-1.58 ***
DL-Tryptophan	2009.44±502.48	114.03±80.06	4.14 **
2-Furoic acid	710.85±69.46	109.01±21.48	2.71 ***
3-Hydroxy-3-methylglutaric acid	813.23±126.43	1862.65±320.93	-1.20 *
L-Histidine	773.47±191.49	85.45±27.35	3.18 **
2-Oxoglutaric acid	12217.96±1921.88	990.38±249.58	3.62 ***
Hexadecanedioic acid	166.86±57.66	20.31±2.46	3.04 *
Trans-aconitic acid	1853.20±291.94	143.44±26.69	3.69 ***
Sulfuric acid	8075.24±1046.23	3654.87±977.53	1.14 *

Note: Fold changes were calculated using the formula $\log_2^{(EI/EF)}$. *, **, *** means significant differences at $0.01 < p < 0.05$; $0.001 < p < 0.01$ and $p < 0.001$, respectively