

SI Table 4. Absolute metabolite contents of *Arabidopsis* WT and *thiC*.Substantial increases are highlighted in red (≥ 2 -fold), while decreases (≤ 0.5 -fold) are in green.

Standard errors are the average of six experimental repetitions. n.d.: not determined.

Metabolite	WT – B1	<i>thiC</i> –B1	<i>thiC</i> + B1
	nmol/g FW		
Amino acids			
Alanine	1659.32±214.93	16026.86±3712.54	2402.78±214.83
Arginine	1581.89±309.04	2030.18±427.94	3888.56±558.68
Asparagine	13482.14±2387.63	86217.40±19301.98	67971.35±8343.32
Aspartate	7352.95±752.17	7089.73±445.70	8073.12±113.20
β -alanine	736.45±48.27	2610.44±279.72	1027.77±34.12
Cysteine	1.87±0.17	6.83±0.68	8.95±0.55
Glutamate	1619.25±206.45	4123.96±274.74	2244.80±199.96
Glycine	3550.87±2215.50	464.03±80.87	179.72±22.54
Lysine	110.74±4.70	571.08±70.56	555.22±30.51
Methionine	20.14±1.34	167.02±29.48	163.21±14.28
Phenylalanine	148.88±25.91	3483.38±411.69	2460.96±187.36
Proline	3803.58±426.11	4626.14±273.41	8058.20±818.25
Serine	6508.78±350.83	8361.67±229.09	3509.06±79.55
Threonine	3540.00±72.35	4566.50±197.11	2036.17±42.78
Tryptophan	271.82±94.45	11995.54±2727.50	11604.36±1275.24
Tyramine	70.65±6.58	79.74±4.00	74.94±4.82
Valine	427.56±50.37	1214.24±167.00	846.54±42.21
Organic acids			
Butyrate	1321.15±184.33	8073.63±1121.52	3275.12±146.53
Citrate	346.98±122.07	420.19±145.76	289.86±103.60
Fumarate	4730.97±620.11	1092.53±188.12	289.86±103.60
Glycerate	2.04±0.83	2.69±1.10	0.35±0.14
Glycerol	n.d.	n.d.	n.d.
Isocitrate	1566.49±301.14	2770.63±514.87	2668.75±154.82
Malate	2706.74±382.09	6792.31±1798.61	2538.61±1590.66
Sugars			
Fructose	5374.28±1029.98	7755.64±863.73	7590.55±1590.66
Gentiobiose	n.d.	n.d.	n.d.
Glucose	13072.23±593.39	18219.74±1473.54	18134.25±2172.60
Raffinose	65.29±24.62	29.55±6.50	24.92±2.61
Ribose	79.76±4.39	23.34±2.33	29.72±3.37
Sucrose	28462.30±1636.23	22251.03±3202.63	22455.11±2537.12
Trehalose	483.55±27.80	498.42±56.26	347.26±13.39