Table S1 Contents of folates, important metabolites and the activities of enzymes in the pakchoi shoots with different NO_3^-/NH_4^+ ratio treatments

Treatments	NO_3^-/NH_4^+ ratio					
	100/0	90/10	80/30	70/30	60/40	50/50
	Folates (μg/100g FW)					
MG-FA	1.38	1.76	1.90	2.65	2.63	2.49
MG-THF	7.7	8.7	8.7	10.6	10.3	9.6
MG-5-CH_3-THF	19.1	29.2	25.8	22.0	21.8	20.8
MG-5-CHO-THF	12.5	20.8	20.7	17.7	15.9	15.3
MG-10-CHO-FA	0.49	0.69	0.63	0.78	0.52	0.69
PG-FA	34.9	41.7	41.4	44.3	43.4	43.2
PG-THF	11.2	10.3	10.9	11.1	11.5	10.4
PG-5-CH_3-THF	37.4	42.7	45.7	53.8	52.9	53.3
PG-5-CHO-THF	25.5	50.0	56.1	66.3	65.1	66.4
PG-10-CHO-FA	0.97	1.81	1.97	2.52	2.42	2.33
Total FA	36.3	43.5	43.3	47.0	46.0	45.7
Total THF	18.9	19.0	19.6	21.7	21.8	20.0
Total 5-CH_3-THF	56.5	71.9	71.5	75.8	74.7	74.0
Total 5-CHO-THF	12.5	20.8	20.7	17.7	15.9	15.3
Total 10-CHO-FA	1.46	2.50	2.61	3.30	2.94	3.03
Total Folates	151	208	214	232	226	225
	Metabolites					
Glucose (mg/g FW)	21.3	28.1	31.4	35.9	37.3	34.6
Fructose (mg/g FW)	21.7	15.6	15.1	14.4	14.7	12.8
Sucrose (mg/g FW)	12.5	12.1	11.0	10.3	8.6	9.0
Pyruvate (mg/kg FW)	431	402	381	375	369	298
Shikimate (mg/kg FW)	177	163	160	157	155	136
Citrate (mg/kg FW)	573	499	462	449	451	416
Succinate (mg/kg FW)	420	387	383	369	358	329
Malate (mg/kg FW)	763	721	682	678	668	629
α-Oxoglutarate (mg/kg FW)	83	65	59	56	53	39
Chorismate (ng/g FW)	2.85	1.88	2.24	2.08	2.08	1.91
ADC (ng/g FW)	1.18	0.91	0.86	0.93	1.00	0.88
pABA (ng/g FW)	1.21	0.97	0.95	0.87	0.88	0.80
GTP (ng/g FW)	2.17	1.83	1.99	2.25	1.90	1.78
DHN-P_3 (ng/g FW)	0.45	0.41	0.42	0.43	0.38	0.38
HMDHP (ng/g FW)	1.89	1.75	1.77	1.69	1.73	1.73
HMDHP-P_2 (ng/g FW)	0.69	0.45	0.52	0.50	0.53	0.45
DHP (ng/g FW)	2.78	2.57	2.59	2.49	2.32	2.18
DHF (ng/g FW)	103.0	101.4	110.9	101.5	106.4	104.3
Glu (μg/g FW)	14.5	11.6	12.3	13.7	14.2	11.7
Gln (ng/g FW)	9.04	7.35	7.49	7.06	7.11	6.42
FBP (μg/g FW)	62.9	59.6	53.7	63.6	60.6	55.0

	Activities of enzymes (U/g FW)					
GTPCHI	1.11	0.86	0.92	0.91	0.86	0.81
DAHPS	0.55	0.51	0.51	0.51	0.53	0.45
ADCS	0.58	0.39	0.49	0.56	0.52	0.41
ADCL	0.30	0.31	0.28	0.29	0.31	0.25
HPPK-DHPS	0.57	0.50	0.49	0.43	0.50	0.51
DHFS	3.42	2.88	2.91	2.87	2.85	2.29
DHFR	3.80	3.22	3.30	3.33	3.04	2.92
FPGS	0.27	0.27	0.29	0.26	0.26	0.25
GGH	0.38	0.23	0.27	0.26	0.27	0.26

FW, fresh weight. U/g FW, the units of enzyme activity per g (fresh weight). Monoglutamylated (MG) folates contents; Polyglutamylated (PG) folates contents; FA, folic acid; THF, tetrahydrofolate; 5-CH_3-THF, 5-methyl-THF; 5-CHO-THF, 5-formyl-THF; 10-CHO-FA, 10-formyl-FA; ADC, aminodeoxychorismate; *p*ABA, *p*-aminobenzoate; GTP, guanosine triphosphate; DHN-P_3, dihydroneopterin (DHN) triphosphate; HMDHP, 6-hydroxymethyldihydropterin; HMDH-P_2, 6-hydroxymethyldihydropterin pyrophosphate; DHP, dihydropteroate; DHF, dihydrofolate; THF, tetrahydrofolate; Glu, glutamate; Gln, glutamine; FBP, folate-binding protein; DAHPS, 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase; ADCS, ADC synthase; ADCL, ADC lyase; GTPCHI, GTP cyclohydrolase I; HPPK-DHPS, HMDHP pyrophosphokinase-DHP synthase; DHFS, DHF synthase; DHFR, DHF reductase; FPGS, folylpolyglutamate synthase; GGH, γ-glutamyl hydrolase.