

Supplementary Table S1. Concentration of total phosphorus and phosphorus fractions in flag leaves, and photosynthetic rate in sampled flag leaves.

	T8	C8	T16	C16
Total P concentration (mg g ⁻¹)	1.13±0.02 ^{a*}	1.26±0.09 ^a	1.04±0.03 ^a	1.15±0.06 ^a
Lipid P concentration (mg g ⁻¹)	0.35±0.03 ^a	0.44±0.03 ^a	0.27±0.01 ^a	0.35±0.03 ^a
Metabolic P concentration (mg g ⁻¹)	0.18±0.01 ^a	0.17±0.02 ^a	0.10±0.00 ^a	0.14±0.02 ^a
Nucleic P concentration (mg g ⁻¹)	0.41±0.03 ^a	0.37±0.05 ^a	0.38±0.01 ^a	0.39±0.02 ^a
Residue P concentration (mg g ⁻¹)	0.07±0.01 ^a	0.06±0.01 ^a	0.06±0.00 ^a	0.06±0.00 ^a
Inorganic P concentration (mg g ⁻¹)	0.20±0.01 ^a	0.21±0.01 ^a	0.19±0.05 ^a	0.20±0.00 ^a
Photosynthetic rate (μmol CO ₂ m ⁻² s ⁻¹)	14.11±0.5 ^a	14.55±0.3 ^a	7.49±0.5 ^b	14.83±0.6 ^a

* Statistical analysis was calculated individually by the sample T8 vs C8, T16 vs C16, means that do not share a common letter are significantly different at P < 0.05 (n=3).