

Table S2 Photosynthetic and fluorescence parameters of *mp* mutant and wild type.

Plant type	PN [$\mu\text{mol}(\text{CO}_2)$ $\text{m}^{-2} \text{s}^{-1}$]	Gs [$\text{mol}(\text{H}_2\text{O})$ $\text{m}^{-2} \text{s}^{-1}$]	Ci [$\mu\text{mol}(\text{CO}_2)$ mol^{-1}]	E [$\text{mmol}(\text{H}_2\text{O})$ $\text{m}^{-2} \text{s}^{-1}$]	Fv/Fm
WT	6.34 \pm 0.62	0.31 \pm 0.11	346.07 \pm 9.42	6.26 \pm 1.80	0.74 \pm 0.01
<i>mp</i>	3.38 \pm 0.52 **	0.12 \pm 0.76**	334.92 \pm 17.90	2.91 \pm 1.4**	0.66 \pm 0.03**