

Additional file 5: Table S3. Comparison of pigment contents in leaves of the *637ys* and *502ys* mutants and their wild-type ZH11 and Nipponbare between two different light-intensity treatments, in mg g fresh weight⁻¹

Material	Treatment		Chl (mg/g)	Chl <i>a</i> (mg/g)	Chl <i>b</i> (mg/g)	Carotenoid (mg/g)
	Code	Condition				
ZH11 (CK)	a1	23°C/LL	2.31±0.23 ^a	1.89±0.19 ^a	0.41±0.04 ^a	0.55±0.05 ^a
	b1	23°C/HL	1.78±0.22 ^a	1.50±0.08 ^b	0.28±0.04 ^a	0.49±0.01 ^a
<i>637ys</i>	a1	23°C/LL	1.49±0.33 ^a	1.19±0.27 ^a	0.29±0.06 ^a	0.40±0.08 ^a
	b1	23°C/HL	0.84±0.04 ^b	0.70±0.01 ^b	0.14±0.01 ^b	0.40±0.02 ^a
ZH11 (CK)	a2	30°C/LL	2.14±0.11 ^a	1.73±0.03 ^a	0.41±0.02 ^a	0.54±0.03 ^a
	b2	30°C/HL	1.93±0.14 ^a	1.58±0.11 ^a	0.35±0.03 ^a	0.50±0.03 ^a
<i>637ys</i>	a2	30°C/LL	1.52±0.10 ^a	1.22±0.08 ^a	0.30±0.02 ^a	0.43±0.03 ^a
	b2	30°C/HL	0.80±0.07 ^b	0.65±0.06 ^b	0.15±0.01 ^b	0.36±0.04 ^a
Nipponbare (CK)	c1	23°C/LL	2.10±0.10 ^a	1.73±0.08 ^a	0.37±0.01 ^a	0.51±0.03 ^a
	d1	23°C/HL	1.51±0.21 ^b	1.27±0.01 ^b	0.23±0.04 ^b	0.37±0.05 ^b
<i>502ys</i>	c1	23°C/LL	1.54±0.13 ^a	1.24±0.10 ^a	0.30±0.02 ^a	0.42±0.03 ^a
	d1	23°C/HL	0.67±0.01 ^b	0.57±0.01 ^b	0.10±0.01 ^b	0.33±0.02 ^b
Nipponbare (CK)	c2	30°C/LL	1.86±0.34 ^a	1.51±0.27 ^a	0.36±0.07 ^a	0.48±0.09 ^a
	d2	30°C/HL	1.65±0.10 ^a	1.44±0.02 ^a	0.31±0.02 ^a	0.43±0.02 ^a
<i>502ys</i>	c2	30°C/LL	1.62±0.14 ^a	1.31±0.12 ^a	0.32±0.02 ^a	0.45±0.03 ^a
	d2	30°C/HL	0.74±0.15 ^b	0.61±0.12 ^b	0.13±0.03 ^b	0.28±0.03 ^b

^a, ^b No significant difference at $P = 0.01$ between low-light (LL) and high-light (HL) treatments with the same letter in the same experimental group.