Table a1. Pigment composition of leaf tissue from WT and mutant genotypes, both dark adapted, and after light stress (1200 μ mol m⁻² s⁻¹, 20' at RT).

Data are normalized to 100 Chl a+b molecules, and are expressed as mean \pm SD, n=3. See Methods for details. Abbreviations: beta, β -carotene. nd, not detected.

Genotypes		Chl a/b	Chl/Car	Neo	Viola	Anthera	Lute	Zea	beta-Car
dark-adapted leaves	WT	3.1 ± 0.1	3.4 ± 0.1	$5.7~\pm~0.6$	3.3 ± 0.1	nd	11.8 ± 0.1	nd	8.7 ± 0.4
	lut2.1	$3.6~\pm~0.1$	$3.5~\pm~0.1$	$5.3~\pm~0.5$	9.8 ± 0.8	$0.9~\pm~0.1$	nd	0.3 ± 0.1	12.2 ± 0.1
	npq1	$3.1~\pm~0.1$	$4.5~\pm~0.2$	$4.4~\pm~0.3$	2.6 ± 0.3	nd	9.6 ± 0.9	nd	8.2 ± 0.1
	npq1 lut2.1	$3.6~\pm~0.1$	3.6 ± 0.1	$4.9~\pm~0.1$	9.2 ± 0.3	0.8 ± 0.3	nd	0.4 ± 0.1	12.8 ± 0.2
light-treated leaves (20', 1200 µmol m ⁻² s ⁻¹)	WT	3.1 ± 0.1	3.4 ± 0.1	5.1 ± 0.3	1.4 ± 0.1	0.4 ± 0.1	12.2 ± 0.2	1.7 ± 0.1	8.9 ± 0.3
	lut2.1	3.5 ± 0.1	3.6 ± 0.1	4.3 ± 0.6	4.7 ± 0.1	1.3 ± 0.2	nd	5.1 ± 0.1	12.6 ± 0.2
	npq1	3.1 ± 0.1	4.3 ± 0.1	4.4 ± 0.3	2.6 ± 0.3	nd	9.7 ± 0.8	nd	8.1 ± 0.4
ligh (20',	npq1 lut2.1	3.6 ± 0.1	4.2 ± 0.1	5.0 ± 0.7	9.6 ± 0.1	0.9 ± 0.3	nd	0.4 ± 0.1	11.0 ± 0.9