

Table S1: Picomoles of zeaxanthin, violaxanthin and antheraxanthin before and after NPQ induction. Dep. Index is calculated as $(Z+A/2)/(Z+V+A)$. Data about *A.thaliana* from (1).

	Viola	Anthera	Zea	Chls	Dep. Index
HL cells	6.7	1.0	1.0	100.0	0.2
HL cells after NPQ induction	3.8	1.7	1.9	100.0	0.4
<i>A. thaliana</i>	2.8	n.d.	n.d.	100.0	0.0
<i>A. thaliana</i> after NPQ induction	1.4	0.4	2.3	100.0	0.6

REFERENCES

1. Dall'Osto, L., S. Caffarri, and R. Bassi (2005) A mechanism of nonphotochemical energy dissipation, independent from PsbS, revealed by a conformational change in the antenna protein CP26. *Plant Cell* **17**, 1217-1232.