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Involvement of AtNAP1 in the regulation of chlorophyll degradation in Arabidopsis thaliana

Planta

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Online Resource 2 Pigment contents before and after dark treatment

	Chlorophyll *a* (nmol/gFW)	Chlorophyll *b* (nmol/gFW)	HMchl (nmol/gFW)	Pheophorbide *a* (nmol/gFW)	Total chlorophyll (nmol/gFW)	Chlorophyll *a/b* ratio
Before dark treatment						
Wild type	2021±367	652±111	1.17±0.33	17.5±9.8	2672±478	3.1±0.05
hmc1	1186±154	357±38	25.9±4.5	3.2±5.8	1543±191	3.31±0.12
pao1	1476±218	457±71	1.44±0.63	2.8±4.3	1933±289	3.23±0.07
Before dark treatment						
Wild type	855±196	224±54	5.59±2.47	50±18.2	1079±239	3.9±0.67
hmc1	609±214	204±39	20.2±5.77	342±192	813±252	2.9±0.45
pao1	896±208	311±82	5.39±1.19	768±158	1208±290	2.9±0.1

The levels of chlorophyll and intermediate molecules in the wild type, *hmc1* and *pao1* plants. Plants were grown for 3 weeks under continuous illumination. The third whorl of the leaves were harvested, and then the remaining plants were transferred to darkness and kept for 5 days. The same whorl of the leaves were harvested. The harvested leaves were grinded in acetone and the pigments were extracted and subjected to HPLC analysis. SD of five independent samples from a single harvest is shown.