

Table 1 Suppl. Sequence of primers used in quantitative real-time PCR.

Gene	Accession	Primer Sequence (5'-3')
<i>actin</i>	Csa018882	F: ATGGCCGATGCCGAGGATATR R: TAGGAGCATCATCACCAGCAAAC
<i>CsVDE</i>	NM_001305728.1	F: ATGGAGCCAAATACAATCTGTGGG R: TGCATCAACAGCTTGGGCTGA
<i>CsZE</i>	NM_001305784.1	F: GATTTCGCCTTGTCAAAGGATTGG R: GCGGCTTTCACCTGGGTCAATTT

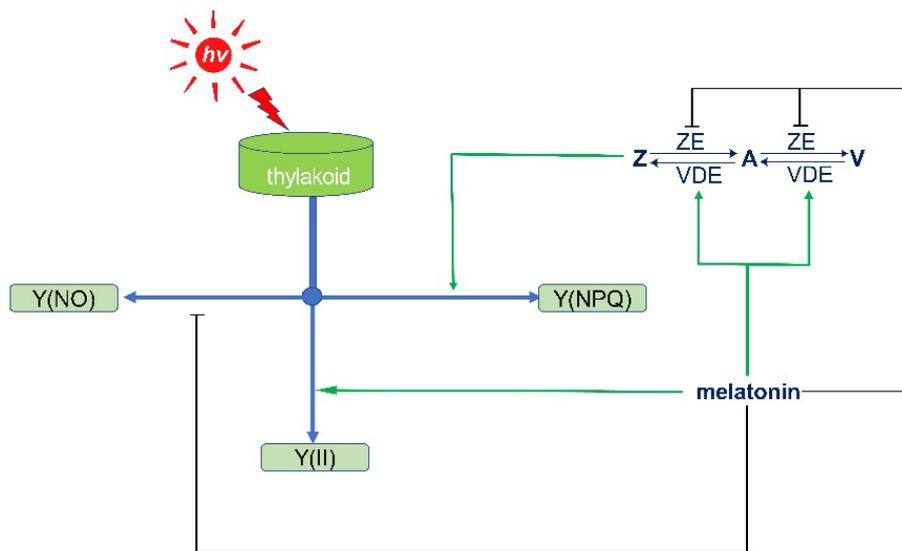


Fig. 1 Suppl. A model showing putative mechanisms of melatonin mitigating photoinhibition (Y(II) - quantum yield of photochemical energy conversion in PS II; Y(NO) - quantum yield of non-regulated non-photochemical energy loss in PS II; Y(NPQ) - quantum yield of regulated non-photochemical energy loss in PS II; V - violaxanthin; A - antheraxanthin; Z - zeaxanthin; VDE - violaxanthin de-epoxidase; ZE - zeaxanthin).