

A proteomic analysis shows stimulation of light reactions and inhibition of Calvin cycle in skin chloroplasts of ripe red grape berries

António Teixeira ^{a*}, Henrique Noronha ^{a*}, Mónica Sebastiana ^b, Ana Margarida Fortes ^b,
Hernâni Gerós ^a

^a Centre of Molecular and Environmental Biology (CBMA), Department of Biology, 2
University of Minho, Braga 4710-057, Portugal

^b BioISI – Instituto de Biosistemas e Ciências Integrativas, Faculdade de Ciências,
Universidade de Lisboa, 1749-016 Lisboa, Portugal

*Corresponding authors: antonio.teixeira@bio.uminho.pt; henriquenoronha@bio.uminho.pt

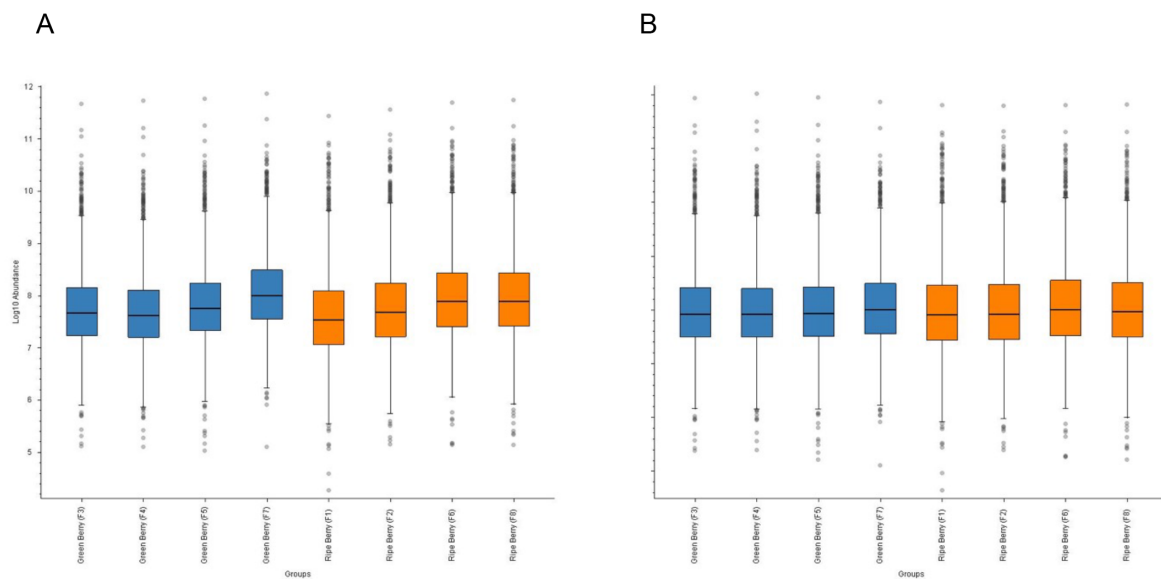


Figure S1. Total identified proteins from purified plastids from exocarp of *Vitis vinifera* cv 'Vinhão' at mature stage (E-L 38) versus green stage (E-L 34). (A) Abundance before normalization (B) Abundance after normalization.

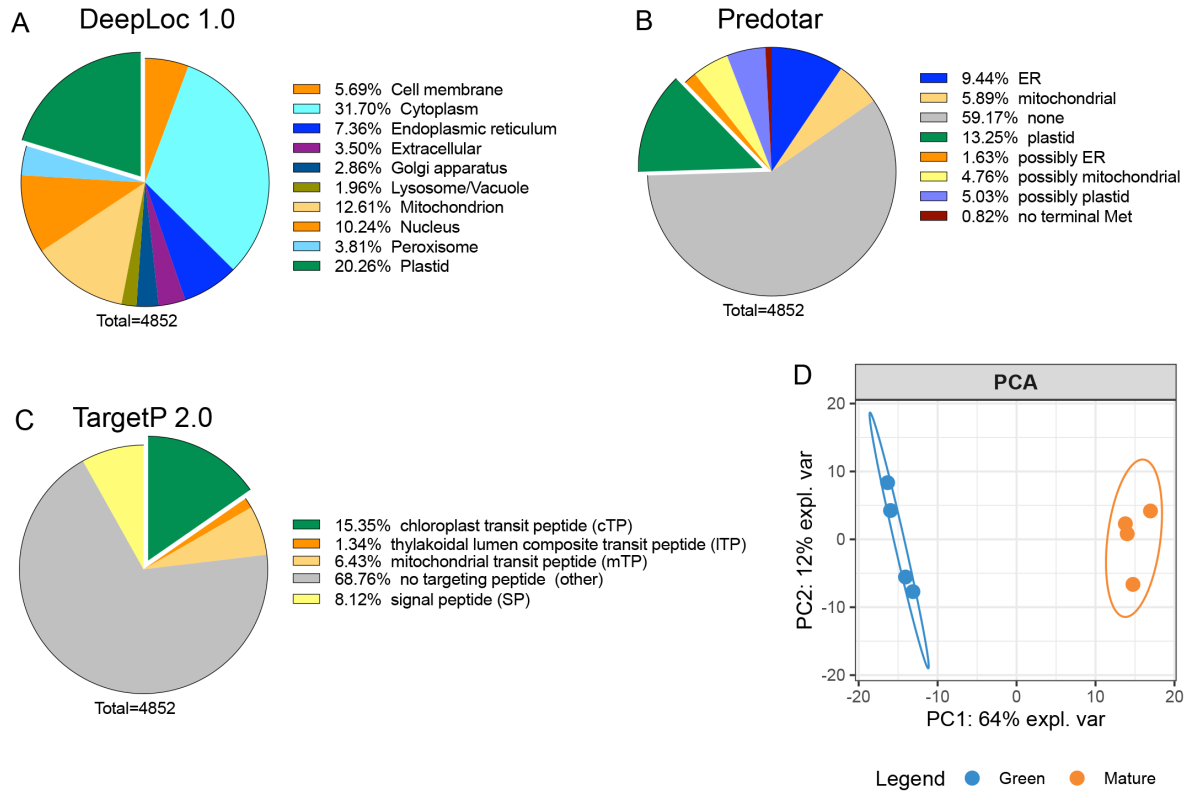


Figure S2. Protein subcellular localization prediction of total identified proteins from purified plastids of exocarp of *Vitis vinifera* cv ‘Vinhão’ at mature stage (E-L 38) versus green stage (E-L 34) by (A) DeepLoc 1.0, (B) Predotar and (C) TargetP 2.0. (D) Principal Component Analysis of proteins targeted to plastid.