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Cold-night responses in grapevine inflorescences

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Abbreviations

AGPase, glucose-1-phosphate adenylyltransferase; Ala, alanine; CEF, cyclic electron flow; DXPS, X days post stress; FNR, ferredoxin-NADP⁺ reductase; GABA, γ -aminobutyric acid; Glu, glutamate; g_s , stomatal conductance; Gewurtz., Gewurztraminer; ISO, isocitrate dehydrogenase NADP-like; LEF, linear electron flow; Lys, lysine; NPQ, non-photochemical quenching; OXO, 2-oxoglutarate deshydrogenase; PC, plastocyanin; P_g , gross photosynthesis; P_n , net photosynthesis; Pinot, Pinot noir; R_d , mitochondrial respiration; TCA, tricarboxylic acid cycle; Y(I), effective photosystem I quantum yield; Y(II), effective photosystem II quantum yield; Y(NA), non-photochemical quantum yield of photosystem I due to acceptor side limitation; Y(ND), non-photochemical quantum yield of photosystem I due to donor side limitation; Y(NO), quantum yield of non-regulated energy dissipation in photosystem II; Y(NPQ), quantum yield of regulated energy dissipation in photosystem II; WBinV, cell wall apoplastic invertase.

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