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Rieske iron-sulfur protein of cytochrome-b₆f is involved in plant recovery after drought stress

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Highlights

- Fully- and not fully-recovered genotypes after drought stress were evaluated.
- Overloading of the electron transport chain in not fully-recovered genotypes.
- Non-recovered genotypes showed low level of Rieske protein.
- Enhanced accumulation of the photosynthetic apparatus proteins under gradual rehydration.
- Low level of proteins controlling photosynthetic carbon fixation in non-recovered cultivar.

Abstract

The aim of the study was to determine molecular basis of plant photosynthetic activity during soil drought and under rapid (unfavorable) and gradual (favorable) rehydration. We analyzed the content of proteins associated with the photosynthetic apparatus and photosynthetic

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