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Structured Near-Infrared Magnetic Circular Dichroism spectra of the Mn_4CaO_5 cluster of PS II in *T. Vulcanus* are dominated by Mn(IV) d-d 'spin-flip' transitions

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Abbreviations:

Photosystem II; PSII
Near Infrared; near-IR
Ultra Violet/Visible; UV/Vis
Circular Dichroism; CD
Magnetic Circular Dichroism; MCD
Variable Temperature Variable Field; VTVH
Electron Paramagnetic Resonance; EPR
Oxygen Evolving Complex; OEC
Ligand-to-Metal Charge Transfer; LMCT
manganese catalase; MnCat
chlorophyll-a; Chl-a
tris(hydroxymethyl)aminomethane; Tris
continuous wave; CW
Supplementary Information; SI