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Lithofacies, paleoenvironment and high-resolution stratigraphy of the D5 and D6 members of the Middle Jurassic carbonates Dhurma Formation, outcrop analog, central Saudi Arabia

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- This study integrates sedimentology with stratigraphic results of Dhurma carbonate.
- Nine lithofacies types were defined in studied succession of the D5 and D6 Members.
- The paleoenvironment ranges from distal-to-proximal carbonate ramp setting.
- 53 cycles and cycle sets, and four high-frequency sequences were defined.

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