

Peer Review

Review of: "Multinuclear Non-Heme Iron-Dependent Oxidative Enzymes: Landscape of Their Substrates, Partner Proteins"

Asaad Babker¹

1. Gulf Medical University, United Arab Emirates

Suggestions for Improvement:

- Investigate enzyme-substrate interactions through mutagenesis, crosslinking, or co-crystallization. Explore recognition motifs and the influence of signal peptides on PTM efficiency.
- Generate knockout or overexpression strains to assess biological roles, e.g., metal resistance or stress response. Examine how PTM presence/absence affects bacterial fitness under different environmental stresses.
- Incorporate environmental sampling data to understand the prevalence and regulation of these BGCs/species in natural habitats.

Declarations

Potential competing interests: No potential competing interests to declare.