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Crystal structures of an atypical aldehyde dehydrogenase having bidirectional oxidizing and reducing activities

Running title: Crystal structures of *Bc*ALDH alone and in complex with NAD⁺ and NADP⁺

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Abstract

Aldehyde dehydrogenases (ALDHs) are NAD(P)⁺-dependent oxidoreductases that catalyze the oxidation of a variety of aldehydes to their acid forms. In this study, we determined the crystal structures of ALDH from *Bacillus cereus* (*Bc*ALDH), alone, and in complex with

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