

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: Proteomic hits from mass spectrometry experiment.

File name: Supplementary Movie 1

Description: Three dimensional variability analysis component 0 of the MoFe^{Alkaline-inactivated} cryoEM map with density corresponding to α -subunits color-coded in blue and β -subunits in yellow.

File name: Supplementary Movie 2

Description: A morph between the MoFe^{Alkaline-inactivated} and MoFe^{AS-isolated} structures illustrates a similar movement, with shifts apparent in α III domain helices Pro α 302 – Lys α 315, Glu α 318 – Arg α 345, and Lys α 426 – Met α 434, and β -strand Lys α 349 – Ile α 355.