

Description of Additional Supplementary Files

File name: Supplementary Data 1

Description: XFEL structure of the oxidised form of F393H (PDBID: 8YAY)

File name: Supplementary Data 2

Description: PDB validation report for 8YAY

File name: Supplementary Data 3

Description: XFEL structure of the reduced form of F393H (PDBID: 8YB0)

File name: Supplementary Data 4

Description: PDB validation report for 8YB0

File name: Supplementary Data 5

Description: XFEL structure of the oxygen-bound form of F393H (PDBID: 8YB2)

File name: Supplementary Data 6

Description: PDB validation report for 8YB2

File name: Supplementary Data 7

Description: XFEL structure of the oxidised form of F87A/F393H (PDBID: 8YAZ)

File name: Supplementary Data 8

Description: PDB validation report for 8YAZ

File name: Supplementary Data 9

Description: XFEL structure of the reduced form of F87A/F393H (PDBID: 8YB1)

File name: Supplementary Data 10

Description: PDB validation report for 8YB1

File name: Supplementary Data 11

Description: XFEL structure of the oxygen-bound form of F87A/F393H (PDBID: 8YB3)

File name: Supplementary Data 12

Description: PDB validation report for 8YB3

File name: Supplementary Data 13

Description: Synchrotron structure of the oxygen-bound form of F87A/F393H (PDBID: 9KT5)

File name: Supplementary Data 14

Description: PDB validation report for 9KT5