Figure 1 Purification of syNOS, initial data acquisition and cryoEM reconstruction. (A) s200 analytical trace of syNOS with the peak fraction boxed in red with the corresponding SDS-PAGE gel with syNOS boxed in red. (B) Representative micrograph with particle picks in green circles (diameter – 200 Å) at 63k magnification. (C) Selected 2-Classes representing various views of syNOS. (D-1) Illustrates selected class 4 with domain assignments, with * denoting separate molecules. (D-2) Illustrates selected class 5 with domain assignments. (E) Gene architecture of syNOS. (F) AlphaFold model fit into reconstructed 6.7 Å density with domains colored according to (E).