

Description of Additional Supplementary Files

File name: Supplementary Movie 1

Description: Interactions of Ksg with the 30S subunit. Models for Ksg (blue) and 16S rRNA nucleotides (grey) are shown with cryo-EM density. Direct (yellow dashed lines) and indirect (cyan dashed lines mediated by water molecules (red)) interactions are indicated.

File name: Supplementary Movie 2

Description: Interactions of Ede with the 30S subunit. Models for Ede (blue) and 16S rRNA nucleotides (grey) are shown with cryo-EM density. Direct (yellow dashed lines) and indirect (cyan dashed lines mediated by water molecules (red)) interactions are indicated.

File name: Supplementary Movie 3

Description: Interactions of GE with the 30S subunit. Models for GE (blue) and 16S rRNA nucleotides (grey) and uS11 (orange) are shown with cryo-EM density. Direct (yellow dashed lines) and indirect (cyan dashed lines mediated by water molecules (red)) interactions are indicated.

File name: Supplementary Movie 4

Description: Cryo-EM map of GE in the 30S-IC. Overview of the cryo-EM of the GE-30S-IC with 30S (grey), IF1 (bright red), IF3 (blue) and P-tRNA (turquoise). Zoom showing density and models for GE (dark red), P-tRNA (turquoise) and mRNA (green).