



Supplementary Figure S1. Rotation of domain I from ribosome upon GTP hydrolysis is an initial step in the dissociation of eEF1A*GDP from 80S ribosome. The X-ray structures of yeast 80S ribosome and of 70S ribosome*EF-Tu*GDP-CP*aminoacyl-tRNA were superimposed to fit the ternary complex to 80S ribosome. EF-Tu*GDPCP was substituted with the aEF1A*GTP or eEF1A2*GDP structures. Domain (II+III) bodies were aligned good. Some clashes of the aEF1A domain I and rRNA occur, probably resulting from the imperfect fitting of the 80S and 70S ribosomes. Colors: orange red - eEF1A2*GDP, dark blue - aEF1A*GTP, yellow – aminoacyl-tRNA in the A/T site, light blue - 18S rRNA (40S subunit), pink – rRNAs of 60S subunit, brown - sarcin-ricin loop of 28S rRNA.