

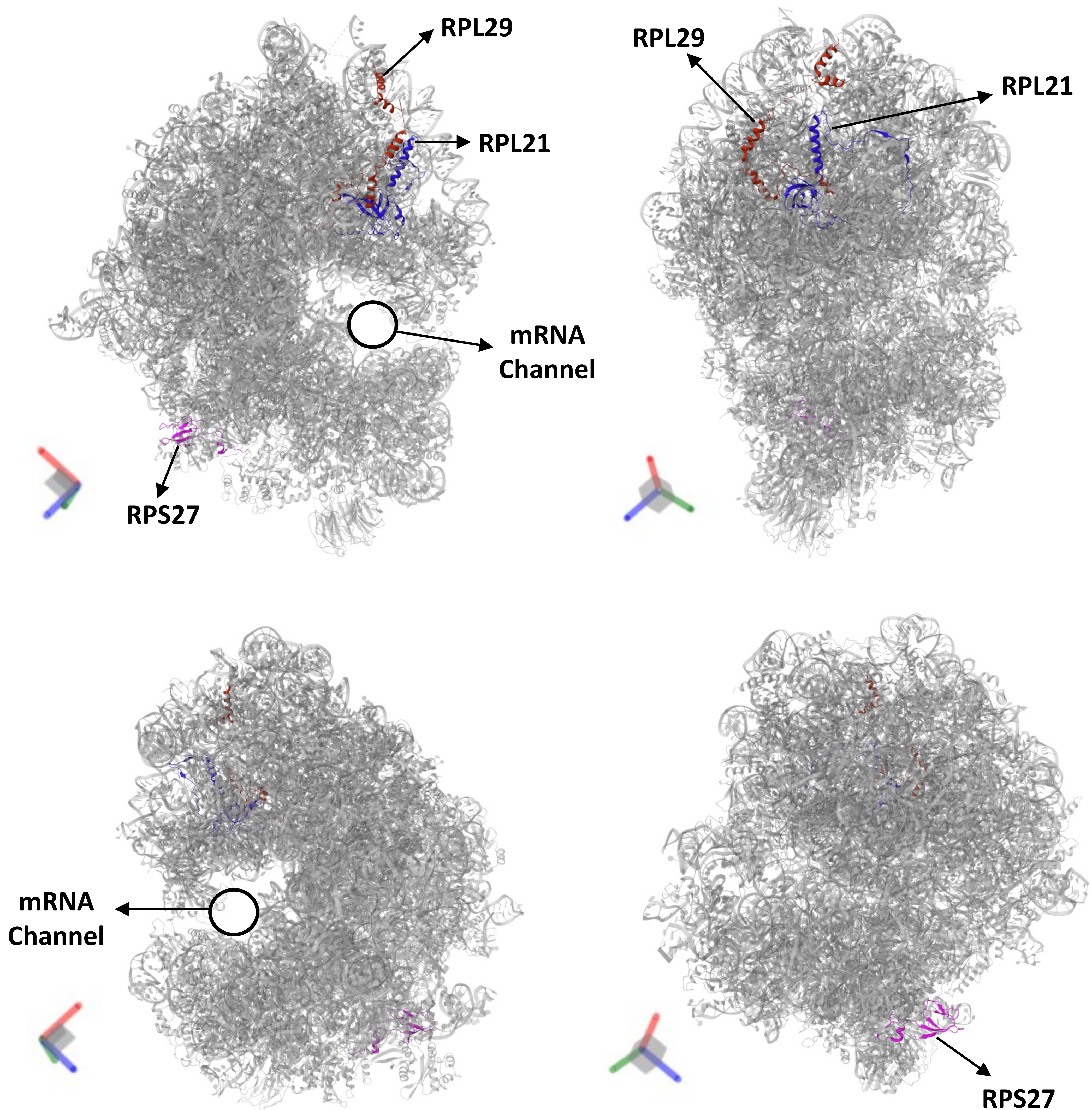


Figure S5. Structural localization of ribosomal proteins encoded by neuron subclass–variable mRNAs. Cryo-EM structure of the mouse ribosome obtained from the Protein Data Bank (PDB: 00007CPU; Li et al., 2022), shown in multiple orientations generated by rotation of the ribosomal complex around a single axis. The ribosome is displayed in ribbon representation in gray, with ribosomal proteins whose corresponding mRNAs showed the highest variability in neuron subclass differential expression analyses highlighted in color (RPL21, blue; RPL29, red; and RPS27, magenta). The position of the mRNA channel is indicated in each view. The different orientations allow visualization of the relative spatial localization of these proteins within the overall ribosomal architecture.