File name: Supplementary Movie 1

Description: Disome interface dynamics during 70S$_L$ elongation. Shown is one disome state per frame. 70S$_L$ functional states are labeled in each frame. The sequence starts with the 70S$_L$ decoding state and shows four rounds of elongation, finally ending with the 70S$_L$ termination state. Shown are 50S$_L$ (blue), 30S$_L$ (yellow), 50S$_Q$ (lavender), 30S$_Q$ (peach), bL9$_L$ (turquoise), A-tRNAs (light violet), P-tRNAs (green), E-tRNAs (orange), and mRNA (purple).