

Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: **Top Cp binding sites.** Specific sequences and average percentile rank of Cp's top binding sites in the total cellular Cp population.

File Name: Supplementary Data 2

Description: **PAR-CLIP libraries.** Summary statistics, reads, and T-to-C frequencies for all PAR-CLIP libraries.

File Name: Supplementary Data 3

Description: **Mutant sequences.** Specific sequences for the 17-site mutant, the SFV PS mutant, and the CHIKV PS mutant.