

Supplemental Figures

Figure S1

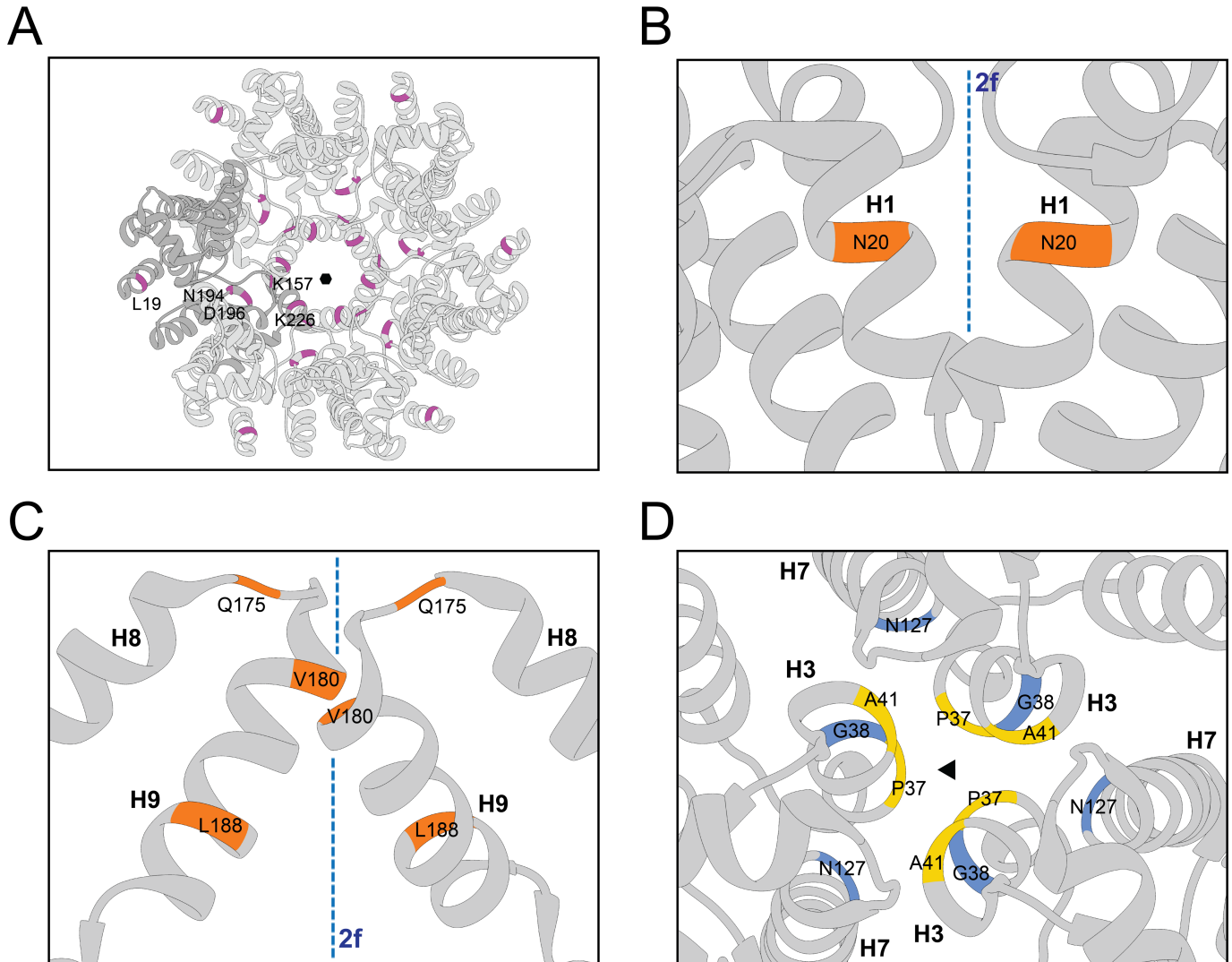


Figure S1. Mutagenesis sites of the CA hexamer and inter-hexamer interface (related to Fig.1).

Mutagenesis at intra-hexamer interface (magenta), 2-fold interface (orange), 3-fold interface (blue), and non-conserved residues (yellow). (A) Immature HIV-1 CA hexamer with 5 mutants at the intra-hexamer interfaces. (B) CA_{NTD} 2-fold interface (Helix 1). (C) CA_{CTD} 2-fold interface (Helix 9). (D) CA 3-fold interface. PDB ID: 5L93.

Figure S2

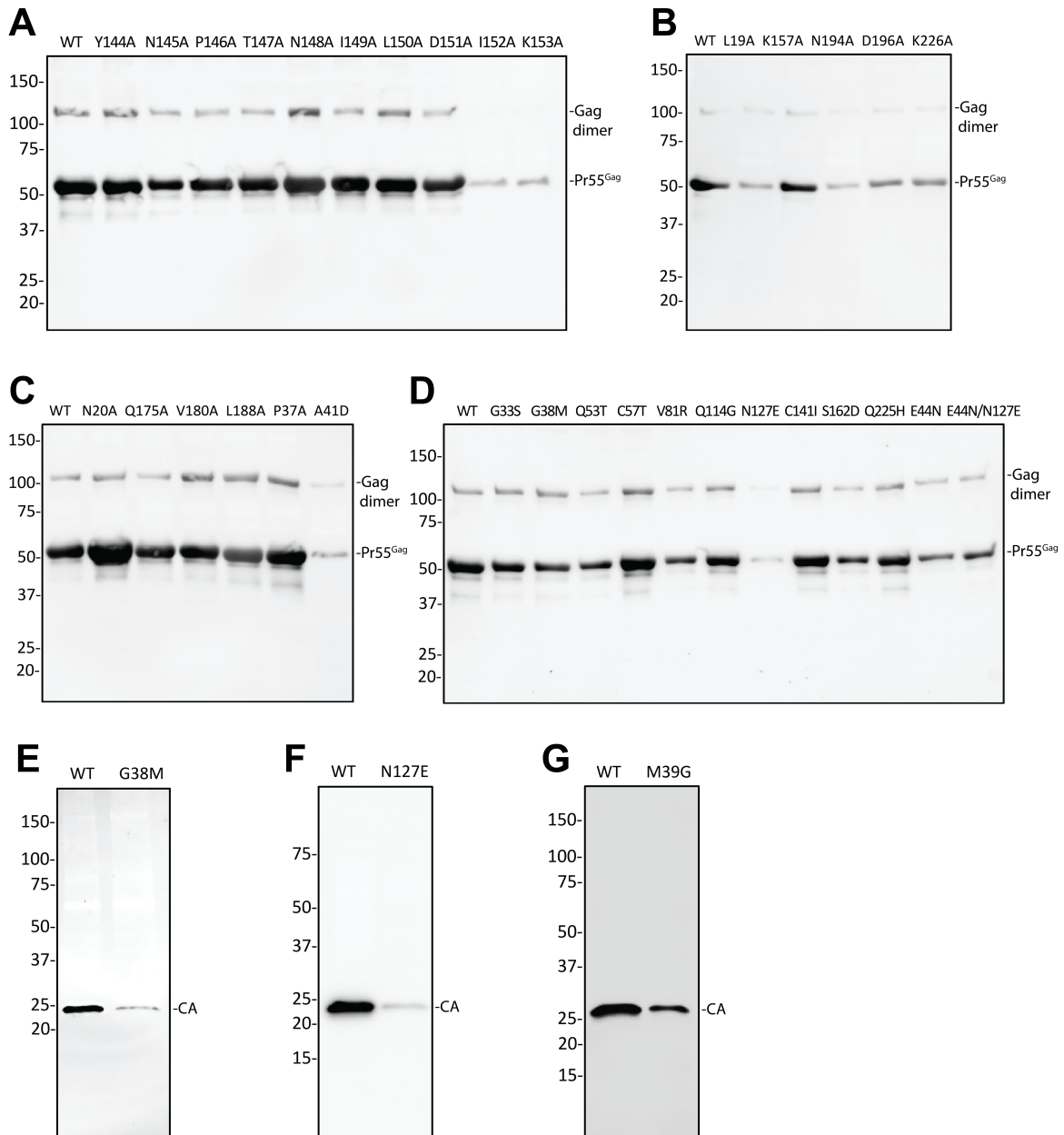


Figure S2. Immunoblot analysis of particle production for HIV-2 CA mutants. (A-D) Immature particle production for HIV-2 CA mutants at conserved and non-conserved amino acid residues. The efficiency of immature particle production was analyzed by quantifying Gag proteins with a monoclonal anti-HIV p24 antibody. (E-G) Mature particle production for HIV CA mutants. The efficiency of mature particle production was analyzed by quantifying Gag by detection of the CA (p24) band from cell culture supernatants.