

Supplementary information, Fig. S14

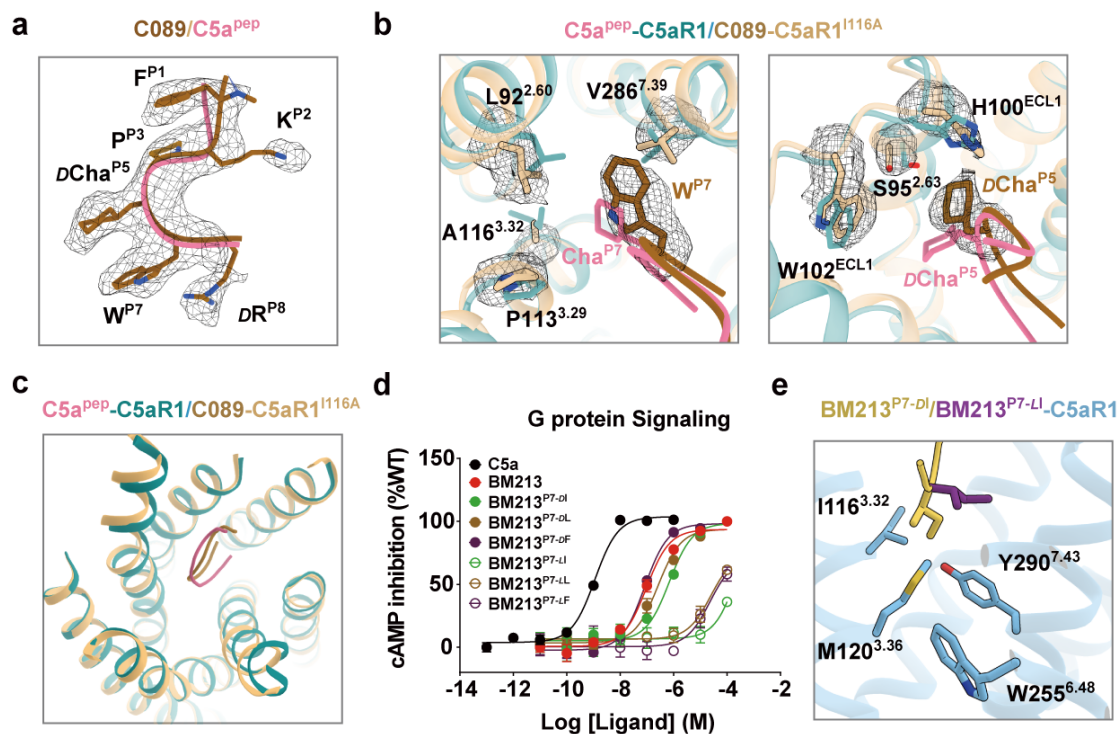


Fig. S14. The structure of C089-bound C5aR1^{I116A}.

a, EM density of C089 in C089-C5aR1^{I116A} complex structure.

b, EM density of W^{P7} (left panel), Cha^{P5} (right panel) and their surrounding residues in C089-C5aR1^{I116A} complex structure, corresponding residues in C5a^{pep}-C5aR1 complex was aligned as a reference.

c, Structural superimposition of C5a^{pep}-C5aR1 with C089-C5aR1^{I116A} showing that the two structures share the similar conformation of TM bundles.

d, BM213 derivatives with modification on the P7 position induced G_i protein signaling detected by cAMP inhibition assay. Data are presented as the mean ± SEM of three independent experiments performed in triplicate.

e, Structural comparison of BM213^{P7-DI} and BM213^{P7-LI} in C5aR1. The model of BM213^{P7-DI} and BM213^{P7-LI} were generated and mutated from BM213.