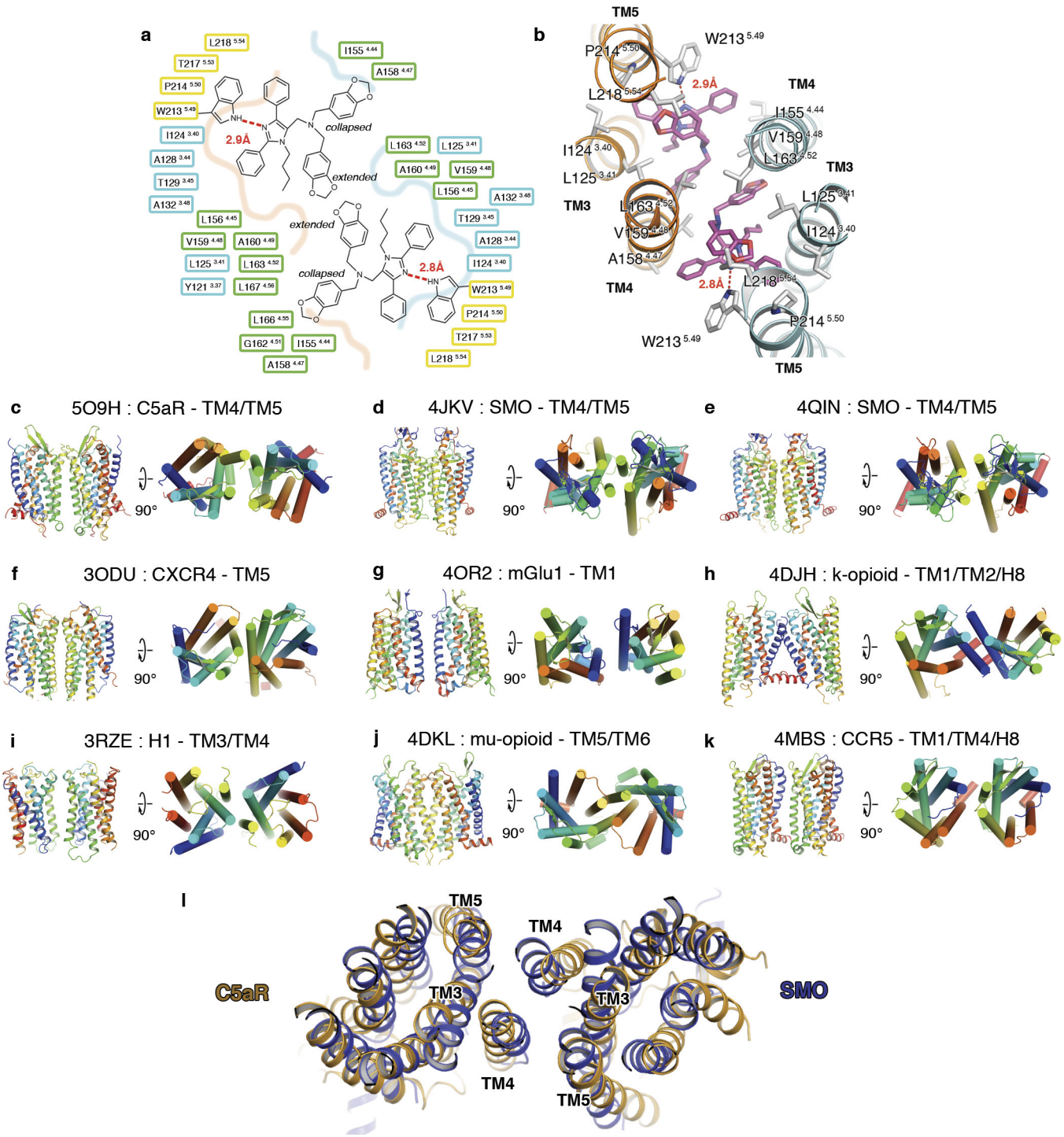

Extended Data Figure 7 | Detailed view of the C5aR1 non-crystallographic dimer and ligand-binding interface. a, Schematic of ligand–protomer interactions in the extra-helical NDT9513727-binding site across the C5aR1 non-crystallographic dimer. Colour scheme of the boxes is as in Fig. 1b. **b**, Close-up structural view of interactions depicted in **a**. **c**–**k**, Chainbow representation of the C5aR1 asymmetric unit (from a view parallel to the membrane, and rotated 90° to view with cylindrical helices from extracellular space) compared to a representative subset of crystallographic and non-crystallographic GPCR dimeric assemblies present in the PDB. **l**, The C5aR1 non-crystallographic dimer reported here most closely resembles that previously postulated for the SMO receptor.