



Figure S7. Comparison of receptor-Gi interface between S1PRs-Gi complex and previously reported receptors-Gi complexes.

(a-e) Polar interactions in complex structures of CB1 (slate blue)-G α i, CB2 (lime)-G α i, μ OR (light green)-G α i, D2 (deep pink)-G α i and FPR2(royal blue)-G α i. Residues from α 5 are shown in orange font. The residues belonging to S1PR1 are shown in black font. Polar interactions are highlighted as black dashed lines.

(f-g) Hydrophobic pattern between S1PR1 (f) or S1PR5 (g) and the hydrophobic side of α 5 helix from G α i.

(h) Effects of the R238^{ICL3}A and ICL3^{R238A/K239A/K243A} and F237^{ICL3}A mutants of S1PR1 on siponimod induced cAMP inhibition. Data are presented as the mean \pm SEM of three independent experiments performed in triplicate.