

Supplemental Information

Mechanistic Understanding of the Palmitoylation of the G_o Protein in the Allosteric Regulation of Adhesion Receptor GPR97

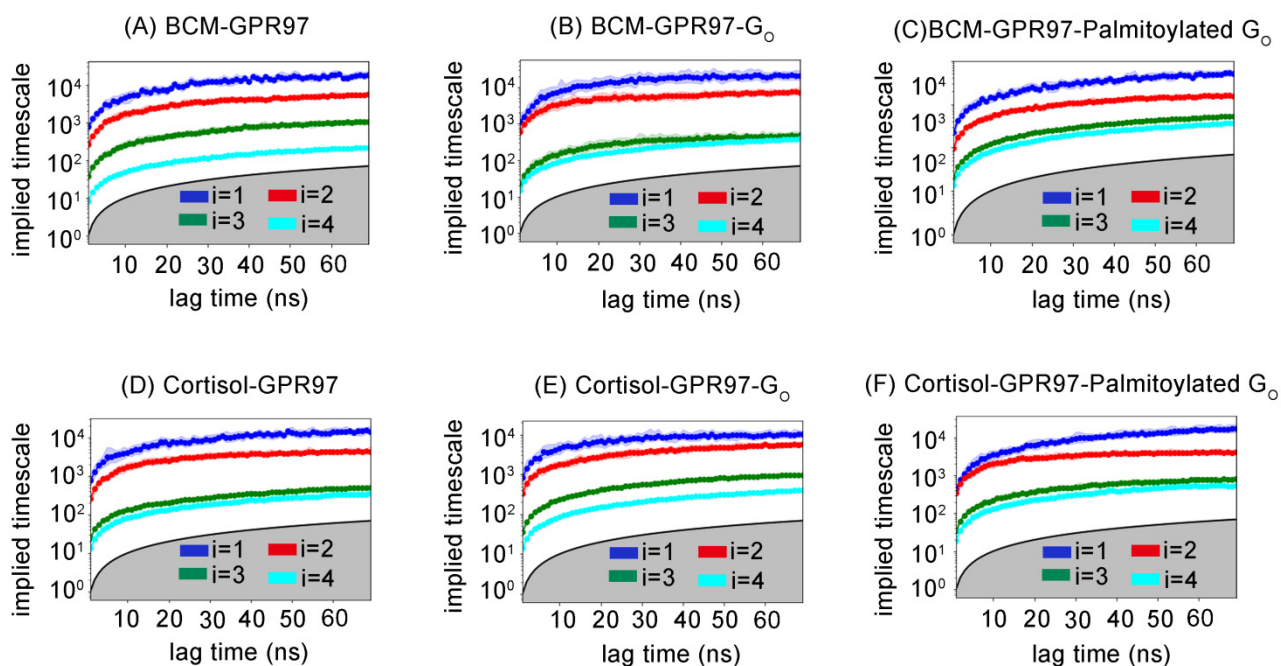


Figure S1. The result of implied timescale test for MSMs in BCM-GPR97 (A), BCM-GPR97- G_o (B), BCM-GPR97-Palmitoylated G_o (C), Cortisol-GPR97 (D), Cortisol-GPR97- G_o (E), and Cortisol-GPR97-Palmitoylated G_o (F) systems. Blue, red, green, and cyan lines showed the timescale τ_1 , τ_2 , τ_3 and τ_4 as a function of lag times. Black line represents $x=y$ in logarithmic coordinates.

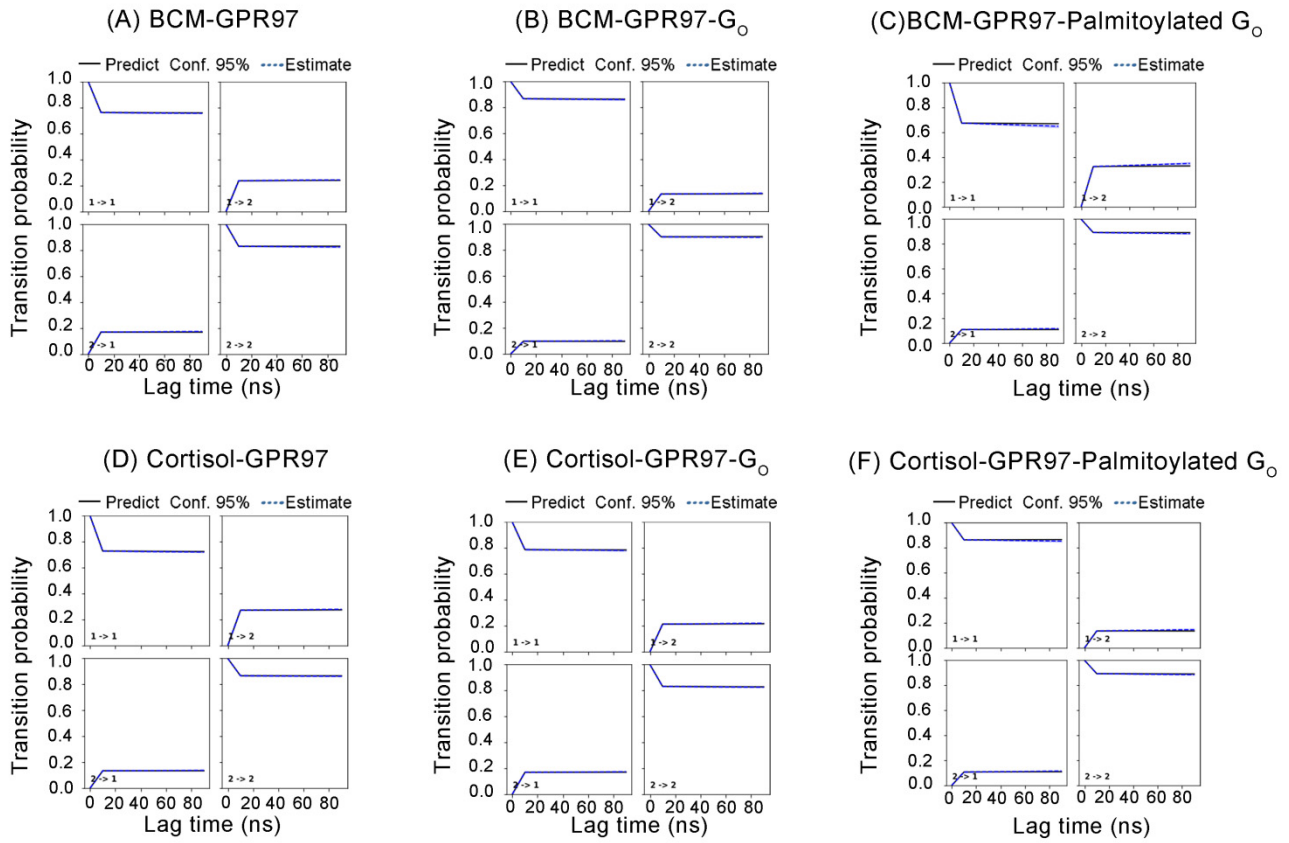


Figure S2. The results of the Chapman-Kolmogorov test of metastable states for BCM-GPR97 **(A)**, BCM-GPR97-G_O **(B)**, BCM-GPR97-Palmitoylated G_O **(C)**, Cortisol-GPR97 **(D)**, Cortisol-GPR97-G_O **(E)**, and Cortisol-GPR97-Palmitoylated G_O **(F)** systems system. Shown are data for MSM (black line) and the observed trajectory (blue dotted line, with estimated error).