

Table S1. List of target sequences and template structures used to construct the computer models of A₁-A_{2A}Het in complex with G_i and G_s.

Protein model	UniProt ID	PDB IDs
A _{2A} R (G _s -unbound)	P29274	4EIY , except ICL3 (209-218: 2Z73)
A _{2A} R (G _s -bound)	P29274	4EIY , except TMs 5-6 (179-259: 3SN6), ICL3 (209-218: 2Z73) and C-term (305-317: 2Z73 , 318-335: 4JQI)
A ₁ R (G _i -unbound)	P30542	(based on A _{2A} R G _s -unbound)
A ₁ R (G _i -bound)	P30542	(based on A _{2A} R G _s -bound)
G _{αs}	P04896	3SN6 , except AH (56-208: 1AZT)
G _{αi}	P10824	3SN6 , except AH (49:186: 1AGR)
G _β	P54311	3SN6 (1-340)
G _γ	P63212	3SN6 (5-62)
β-arrestin-1	P29066	N-term (7-174: 4ZWJ), C-term (175-360: 4JQI)
Rluc	P27652	2PSD (4-308)
YFP	Q963I9	2RH7 (7-226)