

Extended Data Table 2 | Interactions between NNC1702 and GCGR

Residues in NNC1702	Residues in GCGR	Interactions
Ser2	D385 ^{7.42b}	Hydrogen bond*
Gln3	Y149 ^{1.47b} V191 ^{2.64b} L386 ^{7.43b}	Hydrogen bond
Gly4	T296 ^{ECL2}	Hydrogen bond
Thr5	D299 ^{ECL2} L382 ^{7.39b}	Hydrogen bond
Phe6	Y138 ^{1.36b} F141 ^{1.39b} Y145 ^{1.43b} L382 ^{7.39b} F383 ^{7.40b} L386 ^{7.43b}	
Thr7	I194 ^{2.67b} I198 ^{2.71b} T296 ^{ECL2}	
Ser8	S297 ^{ECL2}	Hydrogen bond
Glu9	Q374 ^{ECL3} R378 ^{7.35b}	Hydrogen bond Salt bridge
Tyr10	Y138 ^{1.36b} L198 ^{2.71b}	
Ser11	L198 ^{2.71b}	
Lys12	Q293 ^{ECL2}	Hydrogen bond
Tyr13	V134 ^{stalk}	
Leu14	L198 ^{2.71b} Y202 ^{2.75b}	
Asp15	V28 ^{ECD}	Hydrogen bond
Arg17	Q131 ^{stalk}	Hydrogen bond
Arg18	Y202 ^{2.75b} Q204 ^{ECL1} W215 ^{ECL1}	Hydrogen bond
Ala19	V28 ^{ECD}	
Gln20	W87 ^{ECD} M123 ^{ECD} Q131 ^{stalk}	Hydrogen bond Hydrogen bond
Asp21	I206 ^{ECL1}	
Phe22	M29 ^{ECD} L32 ^{ECD} F33 ^{ECD} W36 ^{ECD} I206 ^{ECL1} V212 ^{ECL1}	
Val23	Y65 ^{ECD} L85 ^{ECD} W87 ^{ECD}	
Trp25	K64 ^{ECD} I206 ^{ECL1} G207 ^{ECL1}	Hydrogen bond
Leu26	W36 ^{ECD} Y65 ^{ECD} Y84 ^{ECD}	
Leu27	Y65 ^{ECD} R116 ^{ECD} A118 ^{ECD}	Hydorgen bond
Thr29	K64 ^{ECD}	Hydrogen bond

*Polar interactions, hydrogen bond and salt bridge, are listed.