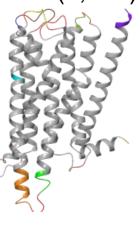
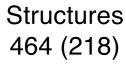


Structure models 939* (1,125)



Snakeplots



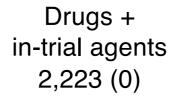


Genetic variants 63,526 (0)



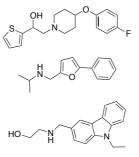
Helix box plots

In development and unpublished (available for user feedback)

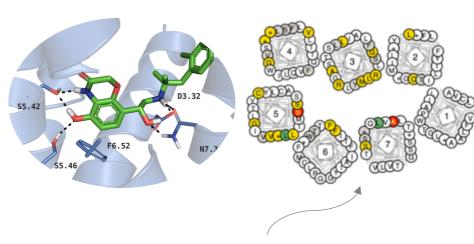




Ligands 198,577 (144,826)

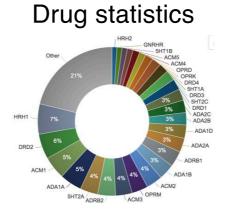


Ligand interactions Ligand site mutations 23,346 (10,059) 34,760 (30,328)



Deposited by the GPCR community

GPCRdb invites dissemination of published data here and in other sections (info is in the Join us section).



Ligand statistics



Structure constructs



Structure experiments 464 (0)

Expeniii	ient browse	il.				
Selection options -	Show/hide columns: Ex	pression Solubilization	on Purification Stru	cture determination		
1	EXPRESSION		SOLUBILIZATION	PURIFICATION		
Method	Host cell 0	Host cell type	Solubilization 0	Purification	Method	Type
Transient_transfection	801	Insect	1 chemicals	1 steps	in meso/LCP	lipidic cubic phase (LCI
Baculovirus	59	Insect	9 chemicals	9 steps	sponge mesophase	lipidic cubic phase (LO)
Baculovirus	901	Insect	1 chemicals	1 steps	in meso/LCP	lipidic cubic phase (LO
Baculovirus	59	Insect	6 chemicals	6 steps	in meso/LCP	lipidio cubic phase (LCF
NA	NA	N/A	NA.	N/A	NA	N/A
NA	NA	NA	NA	N/A	NA	N/A
Baculovirus	59	Insect	6 chemicals	6 steps	in meso/LCP	lipidic cubic phase (LC)
Baculovirus	59	Insect	4 chemicals	4 steps	Cryo-EM	Gatan K2 Summit direct
Baculovirus	59	Insect	2 chemicals	2 steps	in meso/LCP	lipidic cubic phase (LCI
NA	NA	N/A	NA	N/A	NA	N/A
NA	N/A	N/A	NA.	N/A	NA	N/A
NA.	Native	Bovine	1 chemicals	1 steps	vapour diffusion	Hanging drops
Baculovirus	59	Insect	6 chemicals	6 steps	in meso/LCP	lipidic cubic phase (LO
NA.	N/A	N/A	NA	N/A	NA	N/A
NA	NA	N/A	NA	NA	NA	NA
Baculovirus	59	Insect	2 chemicals	2 steps	vapour diffusion	Sitting drop
Baculovirus	59	Insect	4 chemicals	4 steps	in meso/LCP	Spidic cubic phase (LO)
Baculovirus	89	insect	1 chemicals	1 steps	in meso/LCP	lipidic cubic phase (LCF
Baculovirus	Tri PRO (Trichoplusia ri) cell lines	Insect	1 chemicals	1 steps	in meso/LCP	lipidio cubic phase (LOI
Baculovirus	59	Insect	2 chemicals	2 steps	in meso/LCP	lipidic cubic phase (LCF
Baculovirus	59	Insect	6 chemicals	6 steps	in meso/LCP	lipidic cubic phase (LCI

References

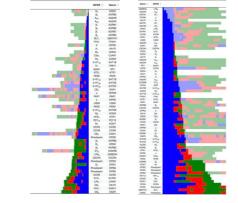
Join us ▼



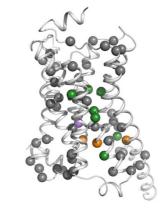
Collaboration & feedback info

Data annotation Database development Scientific collaboration Social media Give feedback

Truncation & fusions sites



Stabilising mutation analyser



Ligand site mutation design tool

Mutant Suggestion List

D

Ε

Ε

P

XS

E G

RN

M T

E O

N_O

S

\$ G X \$ Q X \$ @ X

PCRdb Number	Amino Acid	Mutant Suggestion	Homology	Supporting receptors	Supporting ligands	Structure Interactions	Mutagenesis Experiments
7x38	N312	LJA	•	3 receptors	45 ligands	polar: 127	48 data points (New page) Fold-Effect: 5-20: 5 20-: 15
3x33	V114	A	•	12 receptors	53 ligands	hydrophobia: 75	16 data points (New page) Fold-Effect: 5-20: 6 20<: 5
6x51	F289	LMIAIY	•	22 receptors	116 ligands	aromatic: 24 hydrophobic: 72	137 data points (New page) Fold-Effect: 5-20: 36 20<: 50
3x32	D113	LJA	•	29 receptors	123 ligands	polar: 157	238 data points (New page) Fold-Effect: 5-20: 26 20<: 96
6x52	F290	LMIAIY	•	15 receptors	106 ligands	aromatic: 69 hydrophobic: 14	136 data points (New page) Fold-Effect: 5-20: 24 20-: 66
45x52	F193	LMIAIY	•	8 receptors	67 ligands	hydrophobic: 52 aromatic: 70	20 data points (New page) Fold-Effect: 5-20: 2 20-: 9
5x43	S203	A	•	10 receptors	55 ligands	polar: 63	174 data points (New page) Fold-Effect: 5-20: 24 20-: 3
6x55	N293	LJA	•	11 receptors	80 ligands	polar: 178	83 data points (New page) Fold-Effect: 5-20: 7 20<: 40
7x42	Y316	FIAILM	•	23 receptors	67 ligands	aromatic: 3 polar: 26 hydrophobic: 9	109 data points (New page) Fold-Effect: 5-20: 29 20-:: 2
5x461	S207	A	•	7 receptors	31 ligands	polar: 19	145 data points (New page) Fold-Effect: 5-20: 21 20-: 1
3x28	W109	LMIAIH		7 receptors	35 ligands	hydrophobic: 19	113 data points (New page)

Construct design tool

