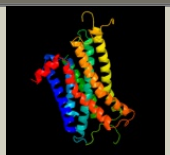
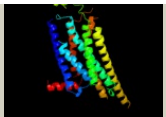
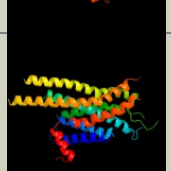
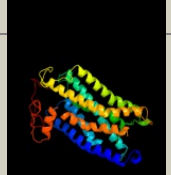
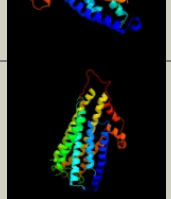
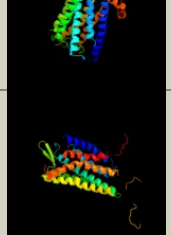
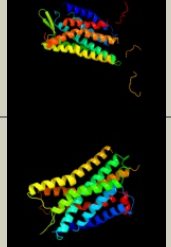
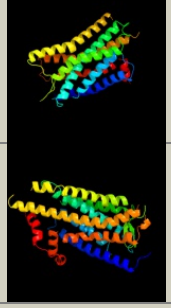
Phyre2

Email	aznvazn@gmail.com
Description	GCR1_ARATH_structure_prediction
Date	Wed Apr 24 19:05:23 BST 2013
Unique Job ID	ea9b8e7399816da3

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2rh1A_	Alignment		100.0	17	**PDB header:**membrane protein / hydrolase **Chain:** A: **PDB Molecule:**beta-2-adrenergic receptor/t4-lysozyme chimera; **PDBTitle:** high resolution crystal structure of human b2-adrenergic g protein-2 coupled receptor.
2	c3pdsA_	Alignment		100.0	17	**PDB header:**membrane protein/hydrolase **Chain:** A: **PDB Molecule:**fusion protein beta-2 adrenergic receptor/lysozyme; **PDBTitle:** irreversible agonist-beta2 adrenoceptor complex
3	c3emlA_	Alignment		100.0	19	**PDB header:**membrane protein, receptor **Chain:** A: **PDB Molecule:**human adenosine a2a receptor/t4 lysozyme chimera; **PDBTitle:** the 2.6 a crystal structure of a human a2a adenosine receptor bound to2 zm241385.
4	c3rzeA_	Alignment		100.0	13	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**histamine h1 receptor, lysozyme chimera; **PDBTitle:** structure of the human histamine h1 receptor in complex with doxepin
5	c3uonA_	Alignment		100.0	20	**PDB header:**signaling protein/antagonist **Chain:** A: **PDB Molecule:**human m2 muscarinic acetylcholine, receptor t4 lysozyme **PDBTitle:** structure of the human m2 muscarinic acetylcholine receptor bound to2 an antagonist
6	c4djhA_	Alignment		100.0	17	**PDB header:**hormone receptor/antagonist **Chain:** A: **PDB Molecule:**kappa-type opioid receptor, lysozyme; **PDBTitle:** structure of the human kappa opioid receptor in complex with jdtic
7	c3v2yA_	Alignment		100.0	21	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**sphingosine 1-phosphate receptor 1, lysozyme chimera; **PDBTitle:** crystal structure of a lipid g protein-coupled receptor at 2.80a
8	c3pblB_	Alignment		100.0	21	**PDB header:**hydrolase/hydrolase inhibitor **Chain:** B: **PDB Molecule:**d(3) dopamine receptor, lysozyme chimera; **PDBTitle:** structure of the human dopamine d3 receptor in complex with2 eticlopride
9	c3oduA_	Alignment		100.0	22	**PDB header:**signaling protein, hydrolase **Chain:** A: **PDB Molecule:**c-x-c chemokine receptor type 4, lysozyme chimera; **PDBTitle:** the 2.5 a structure of the cxcr4 chemokine receptor in complex with2 small molecule antagonist it1t
10	c3sn6R_	Alignment		100.0	14	**PDB header:**signaling protein/hydrolase **Chain:** R: **PDB Molecule:**lysozyme, beta-2 adrenergic receptor; **PDBTitle:** crystal structure of the beta2 adrenergic receptor-gs protein complex
11	c4grvA_	Alignment		100.0	18	**PDB header:**signaling protein/agonist **Chain:** A: **PDB Molecule:**neurotensin receptor type 1, lysozyme chimera; **PDBTitle:** the crystal structure of the neurotensin receptor nts1 in complex with2 neurotensin (8-13)

12	c4eiyA_	Alignment		100.0	15	**PDB header:**membrane protein **Chain:** A: **PDB Molecule:**adenosine receptor a2a/soluble cytochrome b562 chimera; **PDBTitle:** crystal structure of the chimeric protein of a2aar-bril in complex2 with zm241385 at 1.8a resolution
13	c3vw7A_	Alignment		100.0	19	**PDB header:**signaling protein/antagonist **Chain:** A: **PDB Molecule:**proteinase-activated receptor 1, lysozyme; **PDBTitle:** crystal structure of human protease-activated receptor 1 (par1) bound2 with antagonist vorapaxar at 2.2 angstrom
14	c4ib4A_	Alignment		100.0	17	**PDB header:**signaling protein, electron transport **Chain:** A: **PDB Molecule:**chimera protein of human 5-hydroxytryptamine receptor 2b **PDBTitle:** crystal structure of the chimeric protein of 5-ht2b-bril in complex2 with ergotamine
15	c4iarA_	Alignment		100.0	19	**PDB header:**signaling protein, electron transport **Chain:** A: **PDB Molecule:**chimera protein of human 5-hydroxytryptamine receptor 1b **PDBTitle:** crystal structure of the chimeric protein of 5-ht1b-bril in complex2 with ergotamine (psi community target)
16	c2ksaA_	Alignment		100.0	15	**PDB header:**neuropeptide receptor/neuropeptide **Chain:** A: **PDB Molecule:**substance-p receptor; **PDBTitle:** substance p in dmpc/chaps isotropic q=0.25 bicelles as a ligand for2 nk1r
17	c2ziyA_	Alignment		100.0	14	**PDB header:**signaling protein **Chain:** A: **PDB Molecule:**rhodopsin; **PDBTitle:** crystal structure of squid rhodopsin
18	c3oe6A_	Alignment		100.0	18	**PDB header:**signaling protein, hydrolase **Chain:** A: **PDB Molecule:**c-x-c chemokine receptor type 4, lysozyme chimera; **PDBTitle:** crystal structure of the cxcr4 chemokine receptor in complex with a2 small molecule antagonist it1t in i222 spacegroup
19	c4ea3B_	Alignment		100.0	11	**PDB header:**signaling protein **Chain:** B: **PDB Molecule:**fusion protein of nociceptin receptor and cytochrome b562; **PDBTitle:** structure of the n/ofq opioid receptor in complex with a peptide2 mimetic
20	c3aymB_	Alignment		100.0	15	**PDB header:**signaling protein **Chain:** B: **PDB Molecule:**rhodopsin; **PDBTitle:** crystal structure of the batho intermediate of squid rhodopsin
21	c3aynB_	Alignment	not modelled	100.0	12	**PDB header:**signaling protein **Chain:** B: **PDB Molecule:**rhodopsin; **PDBTitle:** crystal structure of squid isorhodopsin
22	c2z73B_	Alignment	not modelled	100.0	12	**PDB header:**membrane protein **Chain:** B: **PDB Molecule:**rhodopsin; **PDBTitle:** crystal structure of squid rhodopsin
23	c4gbrA_	Alignment	not modelled	100.0	12	**PDB header:**membrane protein/hydrolase **Chain:** A: **PDB Molecule:**beta-2 adrenergic receptor; **PDBTitle:** n-terminal t4 lysozyme fusion facilitates crystallization of a g2 protein coupled receptor
24	c3aynA_	Alignment	not modelled	100.0	12	**PDB header:**signaling protein **Chain:** A: **PDB Molecule:**rhodopsin; **PDBTitle:** crystal structure of squid isorhodopsin
25	c2z73A_	Alignment	not modelled	100.0	12	**PDB header:**membrane protein **Chain:** A: **PDB Molecule:**rhodopsin; **PDBTitle:** crystal structure of squid rhodopsin
26	c3aymA_	Alignment	not modelled	100.0	12	**PDB header:**signaling protein **Chain:** A: **PDB Molecule:**rhodopsin; **PDBTitle:** crystal structure of the batho intermediate of squid rhodopsin
27	d1u19a_	Alignment	not modelled	100.0	11	**Fold:**Family A G protein-coupled receptor-like **Superfamily:**Family A G protein-coupled receptor-like **Family:**Rhodopsin-like
28	c4ea3A_	Alignment	not modelled	100.0	11	**PDB header:**signaling protein **Chain:** A: **PDB Molecule:**fusion protein of nociceptin receptor and cytochrome b562; **PDBTitle:** structure of the n/ofq opioid receptor in complex with a peptide2 mimetic
29	c2vt4D_	Alignment	not modelled	100.0	15	**PDB header:**receptor **Chain:** D: **PDB Molecule:**beta1 adrenergic receptor;

29	c2vt4D_	Alignment	not modelled	100.0	15	**PDBTitle:** turkey beta1 adrenergic receptor with stabilising mutations2 and bound cyanopindolol
30	c2ydoA_	Alignment	not modelled	100.0	11	**PDB header:**receptor **Chain:** A: **PDB Molecule:**adenosine receptor a2a; **PDBTitle:** thermostabilised human a2a receptor with adenosine bound
31	c2lnlA_	Alignment	not modelled	100.0	15	**PDB header:**signaling protein **Chain:** A: **PDB Molecule:**c-x-c chemokine receptor type 1; **PDBTitle:** structure of human cxcr1 in phospholipid bilayers
32	c2r4sA_	Alignment	not modelled	99.9	16	**PDB header:**signaling protein **Chain:** A: **PDB Molecule:**beta-2 adrenergic receptor; **PDBTitle:** crystal structure of the human beta2 adrenoceptor
33	c3kj6A_	Alignment	not modelled	99.9	17	**PDB header:**signaling protein **Chain:** A: **PDB Molecule:**beta-2 adrenergic receptor; **PDBTitle:** crystal structure of a methylated beta2 adrenergic receptor-2 fab complex
34	d1ln6a_	Alignment	not modelled	99.9	11	**Fold:**Family A G protein-coupled receptor-like **Superfamily:**Family A G protein-coupled receptor-like **Family:**Rhodopsin-like
35	c1hllA_	Alignment	not modelled	96.9	7	**PDB header:**membrane protein **Chain:** A: **PDB Molecule:**alpha-2a adrenergic receptor; **PDBTitle:** nmr structure of t3-i2, a 32 residue peptide from the alpha-2 2a adrenergic receptor
36	c2koeA_	Alignment	not modelled	91.2	18	**PDB header:**membrane protein, signaling protein **Chain:** A: **PDB Molecule:**human cannabinoid receptor 1 - helix 7/8 peptide; **PDBTitle:** human cannabinoid receptor 1 - helix 7/8 peptide
37	c2lowA_	Alignment	not modelled	64.7	18	**PDB header:**membrane protein **Chain:** A: **PDB Molecule:**apelin receptor; **PDBTitle:** solution structure of ar55 in 50% hfip
38	c1fdfA_	Alignment	not modelled	63.8	25	**PDB header:**signaling protein **Chain:** A: **PDB Molecule:**rhodopsin; **PDBTitle:** helix 7 bovine rhodopsin
39	c2ki9A_	Alignment	not modelled	44.6	13	**PDB header:**membrane protein **Chain:** A: **PDB Molecule:**cannabinoid receptor 2; **PDBTitle:** human cannabinoid receptor-2 helix 6