




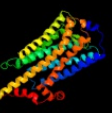




Phyre2

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Description	P08100
Date	Wed Jun 6 09:21:49 BST 2012
Unique Job ID	4ec5c4e19584e9a3

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	d1u19a_	Alignment		100.0	93	Fold: Family A G protein-coupled receptor-like Superfamily: Family A G protein-coupled receptor-like Family: Rhodopsin-like
2	c2rh1A_	Alignment		100.0	25	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.
3	c3pdsA_	Alignment		100.0	23	PDB header: membrane protein/hydrolase Chain: A: PDB Molecule: fusion protein beta-2 adrenergic receptor/lysozyme; PDBTitle: irreversible agonist-beta2 adrenoceptor complex
4	c2ksaA_	Alignment		100.0	18	PDB header: neuropeptide receptor/neuropeptide Chain: A: PDB Molecule: substance-p receptor; PDBTitle: substance p in dmcp/chaps isotropic q=0.25 bicelles as a ligand for2 nk1r
5	c3uonA_	Alignment		100.0	26	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	23	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	c3emlA_	Alignment		100.0	20	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 adenosine2 receptor bound to zm241385.
8	d1ln6a_	Alignment		100.0	93	Fold: Family A G protein-coupled receptor-like Superfamily: Family A G protein-coupled receptor-like Family: Rhodopsin-like
9	c3pblB_	Alignment		100.0	31	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
10	c2ziyA_	Alignment		100.0	18	PDB header: signaling protein Chain: A: PDB Molecule: rhodopsin; PDBTitle: crystal structure of squid rhodopsin
11	c3rzeA_	Alignment		100.0	21	PDB header: hydrolase Chain: A: PDB Molecule: histamine h1 receptor, lysozyme chimera; PDBTitle: structure of the human histamine h1 receptor in complex with doxepin

12	c3sn6R_	Alignment		100.0	19	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
13	c3aynB_	Alignment		100.0	22	PDB header: signaling protein Chain: B: PDB Molecule: rhodopsin; PDBTitle: crystal structure of squid isorhodopsin
14	c3aymB_	Alignment		100.0	25	PDB header: signaling protein Chain: B: PDB Molecule: rhodopsin; PDBTitle: crystal structure of the batho intermediate of squid rhodopsin
15	c3v2yA_	Alignment		100.0	22	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
16	c2z73B_	Alignment		100.0	22	PDB header: membrane protein Chain: B: PDB Molecule: rhodopsin; PDBTitle: crystal structure of squid rhodopsin
17	c3aynA_	Alignment		100.0	22	PDB header: signaling protein Chain: A: PDB Molecule: rhodopsin; PDBTitle: crystal structure of squid isorhodopsin
18	c2z73A_	Alignment		100.0	22	PDB header: membrane protein Chain: A: PDB Molecule: rhodopsin; PDBTitle: crystal structure of squid rhodopsin
19	c3aymA_	Alignment		100.0	22	PDB header: signaling protein Chain: A: PDB Molecule: rhodopsin; PDBTitle: crystal structure of the batho intermediate of squid rhodopsin
20	c3oe6A_	Alignment		100.0	25	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
21	c2ydoA_	Alignment	not modelled	100.0	16	PDB header: receptor Chain: A: PDB Molecule: adenosine receptor a2a; PDBTitle: thermostabilised human a2a receptor with adenosine bound
22	c2vt4D_	Alignment	not modelled	100.0	21	PDB header: receptor Chain: D: PDB Molecule: beta1 adrenergic receptor; PDBTitle: turkey beta1 adrenergic receptor with stabilising mutations2 and bound cyanopindolol
23	c4ea3A_	Alignment	not modelled	100.0	16	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
24	c2r4sA_	Alignment	not modelled	100.0	19	PDB header: signaling protein Chain: A: PDB Molecule: beta-2 adrenergic receptor; PDBTitle: crystal structure of the human beta2 adrenoceptor
25	c3kj6A_	Alignment	not modelled	100.0	18	PDB header: signaling protein Chain: A: PDB Molecule: beta-2 adrenergic receptor; PDBTitle: crystal structure of a methylated beta2 adrenergic receptor-2 fab complex
26	c2koeA_	Alignment	not modelled	97.7	17	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
27	c1dfdA_	Alignment	not modelled	95.3	86	PDB header: signaling protein Chain: A: PDB Molecule: rhodopsin; PDBTitle: helix 7 bovine rhodopsin
28	c1hlla_	Alignment	not modelled	31.5	9	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

29	c2ketA_	Alignment	not modelled	13.8	27	PDB header: antibiotic Chain: A; PDB Molecule: cathelicidin-6; PDBTitle: solution structure of bmap-27
30	c3nohA_	Alignment	not modelled	12.3	11	PDB header: peptide binding protein Chain: A; PDB Molecule: putative peptide binding protein; PDBTitle: crystal structure of a putative peptide binding protein (rumgna_00914)2 from ruminococcus gnavus atcc 29149 at 1.60 a resolution
31	c2zxeG_	Alignment	not modelled	6.4	12	PDB header: hydrolase/transport protein Chain: G; PDB Molecule: phospholemman-like protein; PDBTitle: crystal structure of the sodium - potassium pump in the e2.2k+ .pi2 state
32	c2jo1A_	Alignment	not modelled	6.3	18	PDB header: hydrolase regulator Chain: A; PDB Molecule: phospholemman; PDBTitle: structure of the na,k-atpase regulatory protein fxyd1 in2 micelles