Phyre²

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Description	P75616
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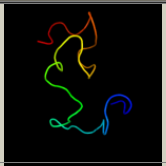
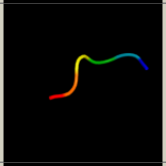
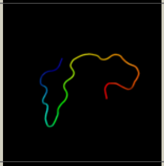
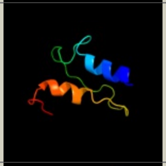
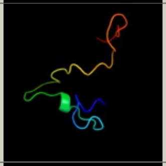
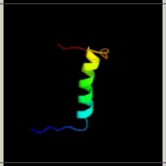
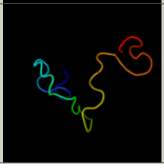
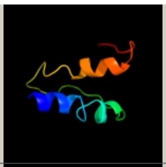
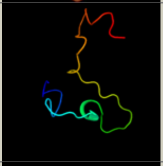
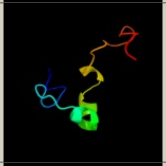
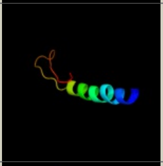
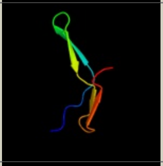
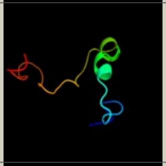
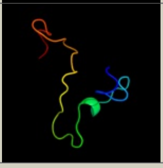
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3nc7A_	Alignment		20.7	13	**PDB header:**oxidoreductase **Chain:** A: **PDB Molecule:**cytochrome p450 cypx; **PDBTitle:** cyp134a1 2-phenylimidazole bound structure
2	d1wj2a_	Alignment		13.8	67	**Fold:**WRKY DNA-binding domain **Superfamily:**WRKY DNA-binding domain **Family:**WRKY DNA-binding domain
3	c2ve3A_	Alignment		10.3	13	**PDB header:**oxidoreductase **Chain:** A: **PDB Molecule:**putative cytochrome p450 120; **PDBTitle:** retinoic acid bound cyanobacterial cyp120a1
4	c2rnmC_	Alignment		10.3	15	**PDB header:**protein fibril **Chain:** C: **PDB Molecule:**small s protein; **PDBTitle:** structure of the het-s(218-289) prion in its amyloid form2 obtained by solid-state nmr
5	c2aydA_	Alignment		10.0	67	**PDB header:**transcription **Chain:** A: **PDB Molecule:**wrky transcription factor 1; **PDBTitle:** crystal structure of the c-terminal wrky domainof atwrky1,2 an sa-induced and partially npr1-dependent transcription3 factor
6	d1m5ha1	Alignment		9.7	18	**Fold:**Ferredoxin-like **Superfamily:**Formylmethanofuran:tetrahydromethanopterin formyltransferase **Family:**Formylmethanofuran:tetrahydromethanopterin formyltransferase
7	d3czha1	Alignment		9.5	16	**Fold:**Cytochrome P450 **Superfamily:**Cytochrome P450 **Family:**Cytochrome P450
8	c2de0X_	Alignment		9.2	39	**PDB header:**transferase **Chain:** X: **PDB Molecule:**alpha-(1,6)-fucosyltransferase; **PDBTitle:** crystal structure of human alpha 1,6-fucosyltransferase, fut8
9	d1qb5d_	Alignment		9.1	27	**Fold:**OB-fold **Superfamily:**Bacterial enterotoxins **Family:**Bacterial AB5 toxins, B-subunits
10	c3iyuY_	Alignment		8.8	24	**PDB header:**virus **Chain:** Y: **PDB Molecule:**outer capsid protein vp4; **PDBTitle:** atomic model of an infectious rotavirus particle
11	c3g1qC_	Alignment		8.4	11	**PDB header:**oxidoreductase **Chain:** C: **PDB Molecule:**sterol 14-alpha-demethylase; **PDBTitle:** crystal structure of sterol 14-alpha demethylase (cyp51)2 from trypanosoma brucei in ligand free state

12	c2fhjD_	Alignment		8.4	13	**PDB header:**transferase **Chain:** D: **PDB Molecule:**formylmethanofuran--tetrahydromethanopterin **PDBTitle:** crystal structure of formylmethanofuran:2 tetrahydromethanopterin formyltransferase in complex with3 its coenzymes
13	d1tqna_	Alignment		8.1	14	**Fold:**Cytochrome P450 **Superfamily:**Cytochrome P450 **Family:**Cytochrome P450
14	d1po5a_	Alignment		7.1	9	**Fold:**Cytochrome P450 **Superfamily:**Cytochrome P450 **Family:**Cytochrome P450
15	c3k9vB_	Alignment		6.8	12	**PDB header:**oxidoreductase **Chain:** B: **PDB Molecule:**1,25-dihydroxyvitamin d(3) 24-hydroxylase, **PDBTitle:** crystal structure of rat mitochondrial p450 24a1 s57d in2 complex with chaps
16	c3p5nA_	Alignment		6.8	14	**PDB header:**transport protein **Chain:** A: **PDB Molecule:**riboflavin uptake protein; **PDBTitle:** structure and mechanism of the s component of a bacterial ecf2 transporter
17	c2c0zA_	Alignment		6.8	26	**PDB header:**isomerase **Chain:** A: **PDB Molecule:**novw; **PDBTitle:** the 1.6 a resolution crystal structure of novw: a 4-keto-6-2 deoxy sugar epimerase from the novobiocin biosynthetic3 gene cluster of streptomyces spheroides
18	c3na0B_	Alignment		6.8	9	**PDB header:**oxidoreductase, electron transport **Chain:** B: **PDB Molecule:**cholesterol side-chain cleavage enzyme, mitochondrial; **PDBTitle:** crystal structure of human cyp11a1 in complex with 20,22-2 dihydroxycholesterol
19	d1nr6a_	Alignment		6.5	7	**Fold:**Cytochrome P450 **Superfamily:**Cytochrome P450 **Family:**Cytochrome P450
20	d2nnja1	Alignment		5.9	7	**Fold:**Cytochrome P450 **Superfamily:**Cytochrome P450 **Family:**Cytochrome P450
21	d1bvp12	Alignment	not modelled	5.7	26	**Fold:**Viral protein domain **Superfamily:**Viral protein domain **Family:**Top domain of virus capsid protein
22	c3m3wA_	Alignment	not modelled	5.6	25	**PDB header:**endocytosis **Chain:** A: **PDB Molecule:**protein kinase c and casein kinase ii substrate protein 3; **PDBTitle:** crystal strcuture of mouse pacsin3 bar domain mutant
23	c1yewF_	Alignment	not modelled	5.4	38	**PDB header:**oxidoreductase, membrane protein **Chain:** F: **PDB Molecule:**particulate methane monooxygenase, a subunit; **PDBTitle:** crystal structure of particulate methane monooxygenase
24	d1m5sa1	Alignment	not modelled	5.2	13	**Fold:**Ferredoxin-like **Superfamily:**Formylmethanofuran:tetrahydromethanopterin formyltransferase **Family:**Formylmethanofuran:tetrahydromethanopterin formyltransferase
25	d1h3ga1	Alignment	not modelled	5.2	19	**Fold:**Immunoglobulin-like beta-sandwich **Superfamily:**E set domains **Family:**E-set domains of sugar-utilizing enzymes
26	c3e4eA_	Alignment	not modelled	5.1	7	**PDB header:**oxidoreductase **Chain:** A: **PDB Molecule:**cytochrome p450 2e1; **PDBTitle:** human cytochrome p450 2e1 in complex with the inhibitor 4-2 methylpyrazole
27	c1g92A_	Alignment	not modelled	5.1	35	**PDB header:**toxin **Chain:** A: **PDB Molecule:**poneratoxin; **PDBTitle:** solution structure of poneratoxin
28	c3o0rC_	Alignment	not modelled	5.0	15	**PDB header:**immune system/oxidoreductase **Chain:** C: **PDB Molecule:**nitric oxide reductase subunit c; **PDBTitle:** crystal structure of nitric oxide reductase from pseudomonas2 aeruginosa in complex with antibody fragment