

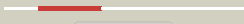





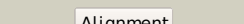

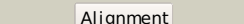

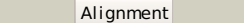
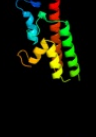
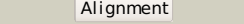

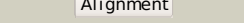

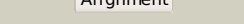

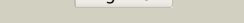

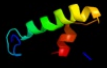



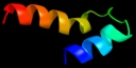
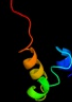

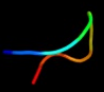



#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2ra8A_	 Alignment		99.7	45	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein q64v53_bacfr; PDBTitle: crystal structure of the q64v53_bacfr protein from bacteroides2 fragilis. northeast structural genomics consortium target bfr43
2	c2eocA_	 Alignment		99.6	25	PDB header: transferase Chain: A: PDB Molecule: poly [adp-ribose] polymerase 3; PDBTitle: solution structure of the wgr domain from human poly [adp-2 ribose] polymerase-3
3	d2cr9a1	 Alignment		99.4	17	Fold: WGR domain-like Superfamily: WGR domain-like Family: WGR domain
4	d1efya1	 Alignment		99.4	13	Fold: Domain of poly(ADP-ribose) polymerase Superfamily: Domain of poly(ADP-ribose) polymerase Family: Domain of poly(ADP-ribose) polymerase
5	d2rd6a1	 Alignment		99.3	15	Fold: Domain of poly(ADP-ribose) polymerase Superfamily: Domain of poly(ADP-ribose) polymerase Family: Domain of poly(ADP-ribose) polymerase
6	d1gs0a1	 Alignment		99.2	12	Fold: Domain of poly(ADP-ribose) polymerase Superfamily: Domain of poly(ADP-ribose) polymerase Family: Domain of poly(ADP-ribose) polymerase
7	c3c4hA_	 Alignment		99.1	14	PDB header: transferase Chain: A: PDB Molecule: poly(adp-ribose) polymerase 3; PDBTitle: human poly(adp-ribose) polymerase 3, catalytic fragment in complex2 with an inhibitor dr2313
8	c1gs0B_	 Alignment		99.0	13	PDB header: transferase Chain: B: PDB Molecule: poly (adp-ribose) polymerase-2; PDBTitle: crystal structure of the catalytic fragment of murine poly2 (adp-ribose) polymerase-2
9	c2paxA_	 Alignment		99.0	15	PDB header: transferase Chain: A: PDB Molecule: poly(adp-ribose) polymerase; PDBTitle: the catalytic fragment of poly(adp-ribose) polymerase2 complexed with 4-amino-1,8-naphthalimide
10	c2l9vA_	 Alignment		22.1	11	PDB header: rna binding protein Chain: A: PDB Molecule: pre-mrna-processing factor 40 homolog a; PDBTitle: nmr structure of the ff domain l24a mutant's folding transition state
11	c1nohB_	 Alignment		19.4	18	PDB header: viral protein Chain: B: PDB Molecule: head morphogenesis protein; PDBTitle: the structure of bacteriophage phi29 scaffolding protein2 gp7 after prohead assembly

12	c1zp9A_	Alignment		14.0	16	PDB header: transferase Chain: A: PDB Molecule: rio1 kinase; PDBTitle: crystal structure of full-length a.fulgidus rio1 serine kinase bound2 to atp and mn2+ ions.
13	c1oxzA_	Alignment		13.7	10	PDB header: membrane protein Chain: A: PDB Molecule: adp-ribosylation factor binding protein gga1; PDBTitle: crystal structure of the human gga1 gat domain
14	d1oxza_	Alignment		13.7	10	Fold: Spectrin repeat-like Superfamily: GAT-like domain Family: GAT domain
15	c1nafA_	Alignment		12.7	10	PDB header: signaling protein, membrane protein Chain: A: PDB Molecule: adp-ribosylation factor binding protein gga1; PDBTitle: crystal structure of the human gga1 gat domain
16	c3mtuE_	Alignment		11.5	27	PDB header: contractile protein Chain: E: PDB Molecule: head morphogenesis protein, tropomyosin alpha-1 chain; PDBTitle: structure of the tropomyosin overlap complex from chicken smooth2 muscle
17	d1vdlA_	Alignment		11.2	15	Fold: RuvA C-terminal domain-like Superfamily: UBA-like Family: UBA domain
18	c3bsuF_	Alignment		10.3	14	PDB header: hydrolase/rna/dna Chain: F: PDB Molecule: ribonuclease h1; PDBTitle: hybrid-binding domain of human rnase h1 in complex with 12-2 mer rna/dna
19	d1dp7p_	Alignment		10.0	22	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: P4 origin-binding domain-like
20	d1vbka2	Alignment		9.0	24	Fold: THUMP domain Superfamily: THUMP domain-like Family: THUMP domain
21	c2zfha_	Alignment	not modelled	8.9	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: cuta; PDBTitle: crystal structure of putative cuta1 from homo sapiens at 2.05a2 resolution
22	d1kr4a_	Alignment	not modelled	8.9	35	Fold: Ferredoxin-like Superfamily: GlnB-like Family: Divalent ion tolerance proteins CutA (CutA1)
23	c3godA_	Alignment	not modelled	8.7	12	PDB header: immune system Chain: A: PDB Molecule: cas1; PDBTitle: structural basis for dnase activity of a conserved protein2 implicated in crispr-mediated antiviral defense
24	d1p1la_	Alignment	not modelled	8.5	20	Fold: Ferredoxin-like Superfamily: GlnB-like Family: Divalent ion tolerance proteins CutA (CutA1)
25	d1uzca_	Alignment	not modelled	8.2	14	Fold: Another 3-helical bundle Superfamily: FF domain Family: FF domain
26	d1naqa_	Alignment	not modelled	8.1	25	Fold: Ferredoxin-like Superfamily: GlnB-like Family: Divalent ion tolerance proteins CutA (CutA1)
27	d1qkia1	Alignment	not modelled	8.1	28	Fold: NAD(P)-binding Rossmann-fold domains Superfamily: NAD(P)-binding Rossmann-fold domains Family: Glyceraldehyde-3-phosphate dehydrogenase-like, N-terminal domain
28	d1ugja_	Alignment	not modelled	7.9	21	Fold: PRC-barrel domain Superfamily: PRC-barrel domain Family: RIKEN cDNA 2310057J16 protein (KIAA1543)
						Fold: Retroviral matrix proteins

29	d2f76x1	Alignment	not modelled	7.5	12	Superfamily: Retroviral matrix proteins Family: Mason-Pfizer monkey virus matrix protein
30	c1xk8A	Alignment	not modelled	7.5	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: divalent cation tolerant protein cuta; PDBTitle: divalent cation tolerant protein cuta from homo sapiens2 o60888
31	d2zfha1	Alignment	not modelled	7.5	15	Fold: Ferredoxin-like Superfamily: GlnB-like Family: Divalent ion tolerance proteins CutA (CutA1)
32	c3c4mC	Alignment	not modelled	7.5	40	PDB header: membrane protein Chain: C: PDB Molecule: parathyroid hormone; PDBTitle: structure of human parathyroid hormone in complex with the2 extracellular domain of its g-protein-coupled receptor (pth1r)
33	c3c4mD	Alignment	not modelled	7.5	40	PDB header: membrane protein Chain: D: PDB Molecule: parathyroid hormone; PDBTitle: structure of human parathyroid hormone in complex with the2 extracellular domain of its g-protein-coupled receptor (pth1r)
34	c1zwgA	Alignment	not modelled	7.0	40	PDB header: hormone Chain: A: PDB Molecule: parathyroid hormone; PDBTitle: succinyl human parathyroid hormone 4-37, nmr, 10 structures
35	c2zomC	Alignment	not modelled	7.0	25	PDB header: unknown function Chain: C: PDB Molecule: protein cuta, chloroplast, putative, expressed; PDBTitle: crystal structure of cuta1 from oryza sativa
36	d1ukua	Alignment	not modelled	6.9	20	Fold: Ferredoxin-like Superfamily: GlnB-like Family: Divalent ion tolerance proteins CutA (CutA1)
37	c1vbkA	Alignment	not modelled	6.9	24	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein ph1313; PDBTitle: crystal structure of ph1313 from pyrococcus horikoshii ot3
38	d1osce	Alignment	not modelled	6.8	15	Fold: Ferredoxin-like Superfamily: GlnB-like Family: Divalent ion tolerance proteins CutA (CutA1)
39	c2nuhA	Alignment	not modelled	6.8	5	PDB header: unknown function Chain: A: PDB Molecule: periplasmic divalent cation tolerance protein; PDBTitle: crystal structure of cuta from the phytopathgen bacterium xylella2 fastidiosa
40	c2bnlE	Alignment	not modelled	6.5	18	PDB header: stress-response Chain: E: PDB Molecule: modulator protein rsbr; PDBTitle: the structure of the n-terminal domain of rsbr
41	c3ejbC	Alignment	not modelled	6.4	23	PDB header: oxidoreductase/lipid transport Chain: C: PDB Molecule: acyl carrier protein; PDBTitle: crystal structure of p450bioi in complex with tetradecanoic2 acid ligated acyl carrier protein
42	c3do6B	Alignment	not modelled	6.4	32	PDB header: ligase Chain: B: PDB Molecule: formate--tetrahydrofolate ligase; PDBTitle: crystal structure of putative formyltetrahydrofolate2 synthetase (tm1766) from thermotoga maritima at 1.85 a3 resolution
43	d1vhfa	Alignment	not modelled	6.3	35	Fold: Ferredoxin-like Superfamily: GlnB-like Family: Divalent ion tolerance proteins CutA (CutA1)
44	d1nzaa	Alignment	not modelled	6.3	20	Fold: Ferredoxin-like Superfamily: GlnB-like Family: Divalent ion tolerance proteins CutA (CutA1)
45	c3ahpA	Alignment	not modelled	6.2	20	PDB header: electron transport Chain: A: PDB Molecule: cuta1; PDBTitle: crystal structure of stable protein, cuta1, from a psychrotrophic2 bacterium shewanella sp. sib1
46	c2r0qF	Alignment	not modelled	5.7	28	PDB header: recombination/dna Chain: F: PDB Molecule: putative transposon tn552 dna-invertase bin3; PDBTitle: crystal structure of a serine recombinase- dna regulatory2 complex
47	d1eg7a	Alignment	not modelled	5.6	32	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nitrogenase iron protein-like
48	c2diuA	Alignment	not modelled	5.4	26	PDB header: rna binding protein Chain: A: PDB Molecule: kiaa0430 protein; PDBTitle: solution structure of the rrm domain of kiaa0430 protein
49	c2xskA	Alignment	not modelled	5.3	55	PDB header: chaperone Chain: A: PDB Molecule: csgc; PDBTitle: e. coli curli protein csgc - secys