







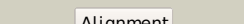

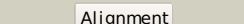

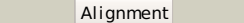

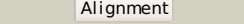

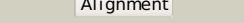

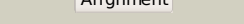

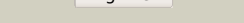






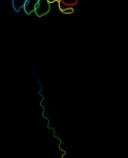



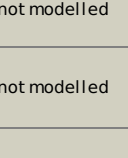
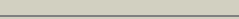





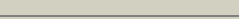

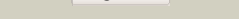
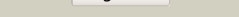
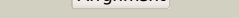
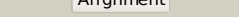
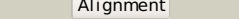

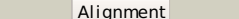
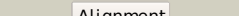

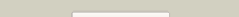



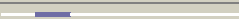
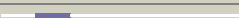




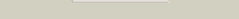


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1ygvA_	 Alignment		99.2	13	PDB header: structural protein/contractile protein Chain: A: PDB Molecule: collagen i alpha 1; PDBTitle: the structure of collagen type i. single type i collagen2 molecule: rigid refinement
2	c1y0fB_	 Alignment		98.8	13	PDB header: structural protein/contractile protein Chain: B: PDB Molecule: collagen i alpha 2; PDBTitle: the structure of collagen type i. single type i collagen2 molecule
3	c2qubG_	 Alignment		97.7	13	PDB header: hydrolase Chain: G: PDB Molecule: extracellular lipase; PDBTitle: crystal structure of extracellular lipase lipa from serratia2 marcescens
4	c2zj6A_	 Alignment		97.7	13	PDB header: hydrolase Chain: A: PDB Molecule: lipase; PDBTitle: crystal structure of d337a mutant of pseudomonas sp. mis38 lipase
5	c1satA_	 Alignment		97.0	16	PDB header: hydrolase (serine protease) Chain: A: PDB Molecule: serratia protease; PDBTitle: crystal structure of the 50 kda metallo protease from s.2 marcescens
6	c3bogB_	 Alignment		96.6	13	PDB header: antifreeze protein Chain: B: PDB Molecule: 6.5 kda glycine-rich antifreeze protein; PDBTitle: snow flea antifreeze protein quasi-racemate
7	c3bogA_	 Alignment		96.6	13	PDB header: antifreeze protein Chain: A: PDB Molecule: 6.5 kda glycine-rich antifreeze protein; PDBTitle: snow flea antifreeze protein quasi-racemate
8	c2pneA_	 Alignment		96.5	14	PDB header: antifreeze protein Chain: A: PDB Molecule: 6.5 kda glycine-rich antifreeze protein; PDBTitle: crystal structure of the snow flea antifreeze protein
9	c3boiB_	 Alignment		96.5	14	PDB header: antifreeze protein Chain: B: PDB Molecule: 6.5 kda glycine-rich antifreeze protein; PDBTitle: snow flea antifreeze protein racemate
10	c3boiA_	 Alignment		96.5	14	PDB header: antifreeze protein Chain: A: PDB Molecule: 6.5 kda glycine-rich antifreeze protein; PDBTitle: snow flea antifreeze protein racemate
11	d1kapp1	 Alignment		95.5	14	Fold: Single-stranded right-handed beta-helix Superfamily: beta-Roll Family: Serralysin-like metalloprotease, C-terminal domain

12	c1k7qA_	Alignment		95.0	11	PDB header: hydrolase Chain: A: PDB Molecule: secreted protease c; PDBTitle: prtc from erwinia chrysanthemi: e189a mutant
13	dlg9ka1	Alignment		94.6	16	Fold: Single-stranded right-handed beta-helix Superfamily: beta-Roll Family: Serralysin-like metalloprotease, C-terminal domain
14	dlzata1	Alignment		94.3	12	Fold: Single-stranded right-handed beta-helix Superfamily: beta-Roll Family: Serralysin-like metalloprotease, C-terminal domain
15	c2agmA_	Alignment		93.6	11	PDB header: isomerase Chain: A: PDB Molecule: poly(beta-d-mannuronate) c5 epimerase 4; PDBTitle: solution structure of the r-module from alge4
16	dlk7ia1	Alignment		93.0	12	Fold: Single-stranded right-handed beta-helix Superfamily: beta-Roll Family: Serralysin-like metalloprotease, C-terminal domain
17	c1om8A_	Alignment		92.3	12	PDB header: hydrolase Chain: A: PDB Molecule: serralysin; PDBTitle: crystal structure of a cold adapted alkaline protease from pseudomonas2 tac ii 18, co-crystallized with 10 mm edta
18	c1nayC_	Alignment		92.1	8	PDB header: structural protein Chain: C: PDB Molecule: collagen-like peptide; PDBTitle: gpp-foldon:x-ray structure
19	c1jiwP_	Alignment		91.8	20	PDB header: hydrolase/hyrolase inhibitor Chain: P: PDB Molecule: alkaline metalloproteinase; PDBTitle: crystal structure of the apr-aprin complex
20	c3p4gD_	Alignment		62.9	14	PDB header: antifreeze protein Chain: D: PDB Molecule: antifreeze protein; PDBTitle: x-ray crystal structure of a hyperactive, ca2+-dependent, beta-helical2 antifreeze protein from an antarctic bacterium
21	d1ic8a2	Alignment		62.9	38	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: POU-specific domain
22	clezyA_	Alignment	not modelled	41.5	11	PDB header: signaling protein inhibitor Chain: A: PDB Molecule: regulator of g-protein signaling 4; PDBTitle: high-resolution solution structure of free rgs4 by nmr
23	c2wauA_	Alignment	not modelled	39.2	30	PDB header: membrane protein Chain: A: PDB Molecule: erythrocyte membrane protein 1 (pfemp1); PDBTitle: structure of dbl6 epsilon domain from var2csa
24	dlzroa2	Alignment	not modelled	37.6	30	Fold: Duffy binding domain-like Superfamily: Duffy binding domain-like Family: Duffy binding domain
25	dlh8ba_	Alignment	not modelled	36.3	16	Fold: EF Hand-like Superfamily: EF-hand Family: EF-hand modules in multidomain proteins
26	d1a9xa1	Alignment	not modelled	34.7	20	Fold: Carbamoyl phosphate synthetase, large subunit connection domain Superfamily: Carbamoyl phosphate synthetase, large subunit connection domain Family: Carbamoyl phosphate synthetase, large subunit connection domain
27	c2c6jA_	Alignment	not modelled	30.8	30	PDB header: receptor Chain: A: PDB Molecule: duffy receptor, alpha form; PDBTitle: structure of p. knowlesi dbl domain capable of binding2

						human duffy antigen
28	d2c6ja1	 Alignment	not modelled	30.8	30	Fold: Duffy binding domain-like Superfamily: Duffy binding domain-like Family: Duffy binding domain
29	c2xu0A_	 Alignment	not modelled	30.5	30	PDB header: membrane protein Chain: A: PDB Molecule: erythrocyte membrane protein 1; PDBTitle: crystal structure of the nts-dbl1(alpha-1) domain of the plasmodium2 falciparum membrane protein 1 (pfemp1) from the varo strain.
30	c3cpzA_	 Alignment	not modelled	29.8	20	PDB header: membrane protein Chain: A: PDB Molecule: erythrocyte membrane protein 1; PDBTitle: crystal structure of var2csa dbl3x domain in the presence of2 dodecasaccharide of csa
31	d1zroa1	 Alignment	not modelled	26.9	10	Fold: Duffy binding domain-like Superfamily: Duffy binding domain-like Family: Duffy binding domain
32	c1e17A_	 Alignment	not modelled	23.9	36	PDB header: dna binding domain Chain: A: PDB Molecule: afx; PDBTitle: solution structure of the dna binding domain of the human2 forkhead transcription factor afx (foxo4)
33	c1kzzA_	 Alignment	not modelled	19.9	24	PDB header: signaling protein Chain: A: PDB Molecule: tnf receptor associated factor 3; PDBTitle: downstream regulator tank binds to the cd40 recognition2 site on traf3
34	c2rngA_	 Alignment	not modelled	19.8	7	PDB header: antimicrobial protein Chain: A: PDB Molecule: big defensin; PDBTitle: solution structure of big defensin
35	d3bpya1	 Alignment	not modelled	19.8	42	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Forkhead DNA-binding domain
36	d1kq8a_	 Alignment	not modelled	19.6	25	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Forkhead DNA-binding domain
37	c1kq8A_	 Alignment	not modelled	19.6	25	PDB header: transcription Chain: A: PDB Molecule: hepatocyte nuclear factor 3 forkhead homolog 1; PDBTitle: solution structure of winged helix protein hfh-1
38	c3g73A_	 Alignment	not modelled	19.1	42	PDB header: transcription/dna Chain: A: PDB Molecule: forkhead box protein m1; PDBTitle: structure of the foxm1 dna binding
39	d1czya1	 Alignment	not modelled	18.4	25	Fold: TRAF domain-like Superfamily: TRAF domain-like Family: MATH domain
40	c3chxG_	 Alignment	not modelled	17.4	24	PDB header: membrane protein Chain: G: PDB Molecule: pmoc; PDBTitle: crystal structure of methylosinus trichosporium ob3b2 particulate methane monooxygenase (pmmo)
41	d1l0aa1	 Alignment	not modelled	17.1	25	Fold: TRAF domain-like Superfamily: TRAF domain-like Family: MATH domain
42	c1ca9D_	 Alignment	not modelled	16.5	25	PDB header: tnf signaling Chain: D: PDB Molecule: protein (tnf receptor associated factor 2); PDBTitle: structure of tnf receptor associated factor 2 in complex2 with a peptide from tnf-r2
43	d1d5va_	 Alignment	not modelled	16.4	25	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Forkhead DNA-binding domain
44	d1lb6a_	 Alignment	not modelled	15.8	19	Fold: TRAF domain-like Superfamily: TRAF domain-like Family: MATH domain
45	d2prva1	 Alignment	not modelled	15.8	36	Fold: SMI1/KNR4-like Superfamily: SMI1/KNR4-like Family: SMI1/KNR4-like
46	c1zroB_	 Alignment	not modelled	15.7	10	PDB header: cell invasion Chain: B: PDB Molecule: erythrocyte binding antigen region ii; PDBTitle: crystal structure of eba-175 region ii (rii) crystallized2 in the presence of (alpha)2,3-sialyllactose
47	d2icga1	 Alignment	not modelled	14.9	27	Fold: SMI1/KNR4-like Superfamily: SMI1/KNR4-like Family: SMI1/KNR4-like
48	d1n1xa_	 Alignment	not modelled	14.8	29	Fold: RNase A-like Superfamily: RNase A-like Family: Ribonuclease A-like
49	c3i7fA_	 Alignment	not modelled	14.6	20	PDB header: ligase Chain: A: PDB Molecule: aspartyl-trna synthetase; PDBTitle: aspartyl trna synthetase from entamoeba histolytica
50	c1fliA_	 Alignment	not modelled	14.6	25	PDB header: apoptosis Chain: A: PDB Molecule: tnf receptor associated factor 3; PDBTitle: molecular basis for cd40 signaling mediated by traf3
51	c2jrrA_	 Alignment	not modelled	14.2	36	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution nmr structure of q5lls5 from silicibacter2 pomeroyi. northeast structural genomics consortium target3 sir90
52	c3nuhB_	 Alignment	not modelled	13.9	31	PDB header: isomerase Chain: B: PDB Molecule: dna gyrase subunit b; PDBTitle: a domain insertion in e. coli gyrb adopts a novel fold that plays a2 critical role in gyrase function
53	c3co7C_	 Alignment	not modelled	13.6	25	PDB header: transcription/dna Chain: C: PDB Molecule: forkhead box protein o1; PDBTitle: crystal structure of foxo1 dbd bound to dbe2 dna
						Fold: RNase A-like

54	d1b6va_	Alignment	not modelled	13.0	29	Superfamily: RNase A-like Family: Ribonuclease A-like
55	c2hkyA_	Alignment	not modelled	12.9	29	PDB header: hydrolase Chain: A: PDB Molecule: ribonuclease 7; PDBTitle: nmr solution structure of human rnase 7
56	d2c6ya1	Alignment	not modelled	12.9	17	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Forkhead DNA-binding domain
57	d2a07f1	Alignment	not modelled	12.7	45	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Forkhead DNA-binding domain
58	d1srna_	Alignment	not modelled	12.7	29	Fold: RNase A-like Superfamily: RNase A-like Family: Ribonuclease A-like
59	d1lq9a_	Alignment	not modelled	12.4	17	Fold: Ferredoxin-like Superfamily: Dimeric alpha+beta barrel Family: Actinorhodin biosynthesis monooxygenase ActVa-Orf6
60	d1gqva_	Alignment	not modelled	11.2	29	Fold: RNase A-like Superfamily: RNase A-like Family: Ribonuclease A-like
61	c1ceuA_	Alignment	not modelled	11.1	35	PDB header: viral protein Chain: A: PDB Molecule: protein (hiv-1 regulatory protein n-terminal PDBTitle: nmr structure of the (1-51) n-terminal domain of the hiv-12 regulatory protein
62	c2kz6A_	Alignment	not modelled	11.0	33	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution structure of protein cv0426 from chromobacterium violaceum,2 northeast structural genomics consortium (nesg) target cvt2
63	d1h8xa_	Alignment	not modelled	10.8	29	Fold: RNase A-like Superfamily: RNase A-like Family: Ribonuclease A-like
64	d2hfha_	Alignment	not modelled	10.6	17	Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Forkhead DNA-binding domain
65	c3fofD_	Alignment	not modelled	10.5	27	PDB header: isomerase/dna Chain: D: PDB Molecule: dna topoisomerase 4 subunit b; PDBTitle: structural insight into the quinolone-dna cleavage complex2 of type iia topoisomerases
66	d1e7ua4	Alignment	not modelled	10.4	16	Fold: Protein kinase-like (PK-like) Superfamily: Protein kinase-like (PK-like) Family: Phosphoinositide 3-kinase (PI3K), catalytic domain
67	d1id3c_	Alignment	not modelled	10.3	21	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
68	d1agre_	Alignment	not modelled	10.1	11	Fold: Regulator of G-protein signaling, RGS Superfamily: Regulator of G-protein signaling, RGS Family: Regulator of G-protein signaling, RGS
69	c1agrE_	Alignment	not modelled	10.1	11	PDB header: complex (signal transduction/regulator) Chain: E: PDB Molecule: rgs4; PDBTitle: complex of alf4-activated gi-alpha-1 with rgs4
70	d1rraa_	Alignment	not modelled	10.0	29	Fold: RNase A-like Superfamily: RNase A-like Family: Ribonuclease A-like
71	c2z9fC_	Alignment	not modelled	9.9	12	PDB header: biosynthetic protein Chain: C: PDB Molecule: cellulose synthase operon protein d; PDBTitle: crystal structure of axcesd protein from acetobacter xylinum
72	c1iojA_	Alignment	not modelled	9.9	26	PDB header: apolipoprotein Chain: A: PDB Molecule: apoc-i; PDBTitle: human apolipoprotein c-i, nmr, 18 structures
73	d1f7ca_	Alignment	not modelled	9.9	13	Fold: GTPase activation domain, GAP Superfamily: GTPase activation domain, GAP Family: BCR-homology GTPase activation domain (BH-domain)
74	c1f7cA_	Alignment	not modelled	9.9	13	PDB header: signaling protein Chain: A: PDB Molecule: rhogap protein; PDBTitle: crystal structure of the bh domain from graf, the gtpase2 regulator associated with focal adhesion kinase
75	d1tzya_	Alignment	not modelled	9.7	18	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
76	c3hwpA_	Alignment	not modelled	9.4	20	PDB header: hydrolase Chain: A: PDB Molecule: phlg; PDBTitle: crystal structure and computational analyses provide insights into the2 catalytic mechanism of 2, 4-diacetylphloroglucinol hydrolase phlg3 from pseudomonas fluorescens
77	c3fbyC_	Alignment	not modelled	9.4	53	PDB header: cell adhesion Chain: C: PDB Molecule: cartilage oligomeric matrix protein; PDBTitle: the crystal structure of the signature domain of cartilage oligomeric2 matrix protein.
78	c2zjtB_	Alignment	not modelled	9.3	15	PDB header: isomerase Chain: B: PDB Molecule: dna gyrase subunit b; PDBTitle: crystal structure of dna gyrase b' domain sheds lights on2 the mechanism for t-segment navigation
79	c3ifuA_	Alignment	not modelled	9.2	21	PDB header: transcription Chain: A: PDB Molecule: non-structural protein; PDBTitle: the crystal structure of porcine reproductive and2 respiratory syndrome virus (prrsv) leader protease nsp1
						Fold: Heme oxygenase-like

80	d1j77a_	Alignment	not modelled	9.1	16	Superfamily: Heme oxygenase-like Family: Heme oxygenase HemO (PigA)
81	c3qwlA_	Alignment	not modelled	9.0	32	PDB header: hydrolase activator Chain: A: PDB Molecule: tbcl domain family member 7; PDBTitle: crystal structure of human tbcl domain family member 7
82	d1u35c1	Alignment	not modelled	9.0	18	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
83	c2kn6A_	Alignment	not modelled	8.8	23	PDB header: apoptosis Chain: A: PDB Molecule: apoptosis-associated speck-like protein containing a card; PDBTitle: structure of full-length human asc (apoptosis-associated speck-like2 protein containing a card)
84	c2oq2B_	Alignment	not modelled	8.7	30	PDB header: oxidoreductase Chain: B: PDB Molecule: phosphoadenosine phosphosulfate reductase; PDBTitle: crystal structure of yeast paps reductase with pap, a product complex
85	d1dy5a_	Alignment	not modelled	8.4	29	Fold: RNase A-like Superfamily: RNase A-like Family: Ribonuclease A-like
86	c3fqdA_	Alignment	not modelled	8.4	23	PDB header: hydrolase/protein binding Chain: A: PDB Molecule: 5'-3' exoribonuclease 2; PDBTitle: crystal structure of the s. pombe ratl1-rail complex
87	c3bvvB_	Alignment	not modelled	8.3	27	PDB header: hydrolase Chain: B: PDB Molecule: putative 5'(3')-deoxyribonucleotidase; PDBTitle: crystal structure of deoxyribonucleotidase-like protein (np_764060.1)2 from staphylococcus epidermidis atcc 12228 at 1.55 a resolution
88	c3id6A_	Alignment	not modelled	8.2	67	PDB header: transferase Chain: A: PDB Molecule: pre mrna splicing protein; PDBTitle: crystal structure of sulfobolus solfataricus nop5 (1-262) and2 fibrillar complex
89	c2zpoA_	Alignment	not modelled	8.1	57	PDB header: hydrolase Chain: A: PDB Molecule: ribonuclease; PDBTitle: crystal structure of green turtle egg white ribonuclease
90	d1pbwa_	Alignment	not modelled	7.9	17	Fold: GTPase activation domain, GAP Superfamily: GTPase activation domain, GAP Family: BCR-homology GTPase activation domain (BH-domain)
91	d1kx3c_	Alignment	not modelled	7.8	21	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones
92	d1juqa_	Alignment	not modelled	7.7	23	Fold: alpha-alpha superhelix Superfamily: ENTH/VHS domain Family: VHS domain
93	d1fx0b2	Alignment	not modelled	7.5	40	Fold: Domain of alpha and beta subunits of F1 ATP synthase-like Superfamily: N-terminal domain of alpha and beta subunits of F1 ATP synthase Family: N-terminal domain of alpha and beta subunits of F1 ATP synthase
94	d1ucpa_	Alignment	not modelled	7.4	23	Fold: DEATH domain Superfamily: DEATH domain Family: Pyrin domain, PYD
95	d1ztda1	Alignment	not modelled	7.4	46	Fold: RNase III domain-like Superfamily: RNase III domain-like Family: PF0609-like
96	d1dyta_	Alignment	not modelled	7.4	29	Fold: RNase A-like Superfamily: RNase A-like Family: Ribonuclease A-like
97	c1yo8A_	Alignment	not modelled	7.3	47	PDB header: cell adhesion Chain: A: PDB Molecule: thrombospondin-2; PDBTitle: structure of the c-terminal domain of human thrombospondin-2
98	c1f66C_	Alignment	not modelled	7.3	30	PDB header: structural protein/dna Chain: C: PDB Molecule: histone h2a.z; PDBTitle: 2.6 a crystal structure of a nucleosome core particle2 containing the variant histone h2a.z
99	d1f66c_	Alignment	not modelled	7.3	30	Fold: Histone-fold Superfamily: Histone-fold Family: Nucleosome core histones