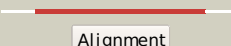
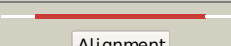
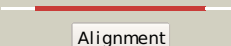
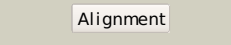
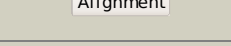
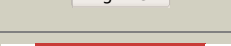
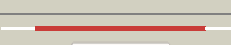
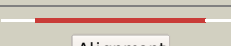
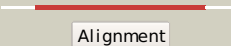
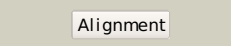
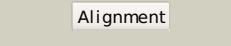
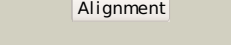
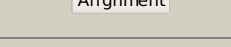
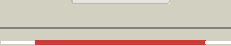
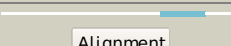


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	dle94a_	 Alignment		100.0	100	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
2	dlm4ya_	 Alignment		100.0	67	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
3	dlg3ka_	 Alignment		100.0	80	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
4	d2z3ba1	 Alignment		100.0	54	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
5	dlrypi_	 Alignment		100.0	24	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
6	dlirui_	 Alignment		100.0	20	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
7	c3nzwH_	 Alignment		100.0	24	PDB header: hydrolase/hydrolase inhibitor Chain: H: PDB Molecule: proteasome component pup1; PDBTitle: crystal structure of the yeast 20s proteasome in complex with 2b
8	dlq5rh_	 Alignment		100.0	26	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
9	dliruk_	 Alignment		100.0	15	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
10	dliruh_	 Alignment		100.0	19	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
11	dlrypl_	 Alignment		100.0	20	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits

12	dlryp2_	Alignment		100.0	16	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
13	c2zcyM_	Alignment		100.0	16	PDB header: hydrolase Chain: M: PDB Molecule: proteasome component pre4; PDBTitle: yeast 20s proteasome:syringolin a-complex
14	dlirul_	Alignment		100.0	19	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
15	c2h6jl_	Alignment		100.0	26	PDB header: hydrolase Chain: I: PDB Molecule: proteasome beta-type subunit 1; PDBTitle: crystal structure of the beta f145a rhodococcus proteasome (casp2 target)
16	dlrypK_	Alignment		100.0	17	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
17	dlq5qh_	Alignment		100.0	27	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
18	dlryp1_	Alignment		100.0	14	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
19	c3nzkK_	Alignment		100.0	20	PDB header: hydrolase/hydrolase inhibitor Chain: K: PDB Molecule: proteasome component pre2; PDBTitle: crystal structure of the yeast 20s proteasome in complex with ligand2 2c
20	dliru2_	Alignment		100.0	19	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
21	dliruj_	Alignment	not modelled	100.0	13	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
22	c2fhgC_	Alignment	not modelled	100.0	29	PDB header: hydrolase Chain: C: PDB Molecule: proteasome, beta subunit; PDBTitle: crystal structure of mycobacterial tuberculosis proteasome
23	dlryph_	Alignment	not modelled	100.0	17	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
24	dlvarh1	Alignment	not modelled	100.0	20	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
25	dliru1_	Alignment	not modelled	100.0	19	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
26	dlrypj_	Alignment	not modelled	100.0	17	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
27	dlj2qh_	Alignment	not modelled	100.0	20	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
28	dlrypc_	Alignment	not modelled	100.0	19	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits

29	c3h4pj_	 Alignment	not modelled	100.0	19	PDB header: hydrolase Chain: J: PDB Molecule: proteasome subunit alpha; PDBTitle: proteasome 20s core particle from methanocaldococcus2 jannaschii
30	d1rypa_	 Alignment	not modelled	100.0	12	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
31	d1rypb_	 Alignment	not modelled	100.0	17	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
32	d1irub_	 Alignment	not modelled	100.0	13	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
33	d1iruc_	 Alignment	not modelled	100.0	19	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
34	d1irua_	 Alignment	not modelled	100.0	14	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
35	d1rypd_	 Alignment	not modelled	100.0	17	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
36	c2jayA_	 Alignment	not modelled	100.0	27	PDB header: hydrolase Chain: A: PDB Molecule: proteasome; PDBTitle: proteasome beta subunit prcb from mycobacterium2 tuberculosis
37	d1j2pa_	 Alignment	not modelled	100.0	15	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
38	d1rype_	 Alignment	not modelled	100.0	20	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
39	d1yara1	 Alignment	not modelled	100.0	17	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
40	d1rypf_	 Alignment	not modelled	100.0	17	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
41	d1rypg_	 Alignment	not modelled	100.0	15	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
42	c3bdmF_	 Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: F: PDB Molecule: proteasome component c1; PDBTitle: yeast 20s proteasome:glidobactin a-complex
43	d1irug_	 Alignment	not modelled	100.0	18	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
44	d1irue_	 Alignment	not modelled	100.0	17	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
45	c1q5rD_	 Alignment	not modelled	100.0	17	PDB header: hydrolase Chain: D: PDB Molecule: proteasome alpha-type subunit 1; PDBTitle: the rhodococcus 20s proteasome with unprocessed pro-peptides
46	d1q5qa_	 Alignment	not modelled	100.0	17	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
47	c3h4pB_	 Alignment	not modelled	100.0	24	PDB header: hydrolase Chain: B: PDB Molecule: proteasome subunit alpha; PDBTitle: proteasome 20s core particle from methanocaldococcus2 jannaschii
48	d1iruf_	 Alignment	not modelled	100.0	15	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
49	c1iruF_	 Alignment	not modelled	100.0	15	PDB header: hydrolase Chain: F: PDB Molecule: 20s proteasome; PDBTitle: crystal structure of the mammalian 20s proteasome at 2.75 a2 resolution
50	d1irud_	 Alignment	not modelled	100.0	15	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
51	d2d9ia1	 Alignment	not modelled	39.6	8	Fold: IF3-like Superfamily: SMR domain-like Family: Smr domain
52	d2ahra1	 Alignment	not modelled	37.7	22	Fold: 6-phosphogluconate dehydrogenase C-terminal domain-like Superfamily: 6-phosphogluconate dehydrogenase C-terminal domain-like Family: ProC C-terminal domain-like
53	c3sirD_	 Alignment	not modelled	29.6	9	PDB header: hydrolase Chain: D: PDB Molecule: caspase; PDBTitle: crystal structure of drice
54	d1yqga1	Alignment	not modelled	29.3	25	Fold: 6-phosphogluconate dehydrogenase C-terminal domain-like Superfamily: 6-phosphogluconate dehydrogenase C-terminal domain-like Family: ProC C-terminal domain-like

55	d1ex2a_	Alignment	not modelled	17.9	15	Fold: Anticodon-binding domain-like Superfamily: ITPase-like Family: Maf-like
56	d1dkia_	Alignment	not modelled	16.5	36	Fold: Cysteine proteinases Superfamily: Cysteine proteinases Family: Papain-like
57	d1r0va3	Alignment	not modelled	14.6	24	Fold: MutS N-terminal domain-like Superfamily: tRNA-intron endonuclease N-terminal domain-like Family: tRNA-intron endonuclease N-terminal domain-like
58	d2i5ua1	Alignment	not modelled	14.6	18	Fold: DnaD domain-like Superfamily: DnaD domain-like Family: DnaD domain
59	c2vkca_	Alignment	not modelled	13.3	8	PDB header: hydrolase Chain: A: PDB Molecule: nedd4-binding protein 2; PDBTitle: solution structure of the b3bp smr domain
60	c3bb7A_	Alignment	not modelled	12.0	28	PDB header: hydrolase Chain: A: PDB Molecule: interpain a; PDBTitle: structure of prevotella intermedia prointerpain a fragment 39-3592 (mutant c154a)
61	c2p5xB_	Alignment	not modelled	10.1	32	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: n-acetylserotonin o-methyltransferase-like protein; PDBTitle: crystal structure of maf domain of human n-acetylserotonin o-2 methyltransferase-like protein
62	c3qd7X_	Alignment	not modelled	9.9	6	PDB header: hydrolase Chain: X: PDB Molecule: uncharacterized protein ydal; PDBTitle: crystal structure of ydal, a stand-alone small muts-related protein2 from escherichia coli
63	d2amha1	Alignment	not modelled	9.3	12	Fold: Anticodon-binding domain-like Superfamily: ITPase-like Family: Maf-like
64	d1vi9a_	Alignment	not modelled	8.7	22	Fold: Ribokinase-like Superfamily: Ribokinase-like Family: PfkB-like kinase
65	c2kwpA_	Alignment	not modelled	8.2	14	PDB header: transcription Chain: A: PDB Molecule: transcription elongation protein nusa; PDBTitle: solution structure of the aminoterminal domain of e. coli nusa
66	d1wjfa_	Alignment	not modelled	7.8	19	Fold: DNA/RNA-binding 3-helical bundle Superfamily: N-terminal Zn binding domain of HIV integrase Family: N-terminal Zn binding domain of HIV integrase
67	c3nmeA_	Alignment	not modelled	7.7	18	PDB header: hydrolase Chain: A: PDB Molecule: sex4 glucan phosphatase; PDBTitle: structure of a plant phosphatase
68	d1pvja_	Alignment	not modelled	7.4	22	Fold: Cysteine proteinases Superfamily: Cysteine proteinases Family: Papain-like
69	c3ikmD_	Alignment	not modelled	7.1	29	PDB header: transferase Chain: D: PDB Molecule: dna polymerase subunit gamma-1; PDBTitle: crystal structure of human mitochondrial dna polymerase2 holoenzyme
70	d1k6ya1	Alignment	not modelled	7.1	19	Fold: DNA/RNA-binding 3-helical bundle Superfamily: N-terminal Zn binding domain of HIV integrase Family: N-terminal Zn binding domain of HIV integrase
71	d1e0ea_	Alignment	not modelled	6.3	19	Fold: DNA/RNA-binding 3-helical bundle Superfamily: N-terminal Zn binding domain of HIV integrase Family: N-terminal Zn binding domain of HIV integrase
72	c2jqoA_	Alignment	not modelled	6.1	0	PDB header: structural genomics Chain: A: PDB Molecule: hypothetical protein yoba; PDBTitle: nmr solution structure of bacillus subtilis yoba 21-120:2 northeast structural genomics consortium target sr547
73	c2zqeA_	Alignment	not modelled	6.0	22	PDB header: dna binding protein Chain: A: PDB Molecule: muts2 protein; PDBTitle: crystal structure of the smr domain of thermus thermophilus muts2