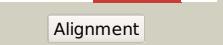
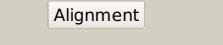
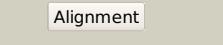
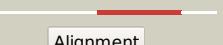


Phyre²

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Description	RVBD0024 (-) _28362_29207
Date	Tue Jul 23 14:50:05 BST 2019
Unique Job ID	346cc5e3475fa9aa

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2xivA_			100.0	27	PDB header: structural protein Chain: A: PDB Molecule: hypothetical invasion protein; PDBTitle: structure of rv1477, hypothetical invasion protein of2 mycobacterium tuberculosis
2	c3pb1A_			100.0	26	PDB header: hydrolase Chain: A: PDB Molecule: invasion protein; PDBTitle: structure of the peptidoglycan hydrolase ripb (rv1478) from2 mycobacterium tuberculosis at 1.6 resolution
3	c6biqA_			100.0	33	PDB header: hydrolase Chain: A: PDB Molecule: clan ca, family c40, nlp/p60 superfamily cysteine PDBTitle: structure of nlp2 from trichomonas vaginalis
4	c2fg0B_			100.0	30	PDB header: hydrolase Chain: B: PDB Molecule: cog0791: cell wall-associated hydrolases (invasion- PDBTitle: crystal structure of a putative gamma-d-glutamyl-l-diamino acid2 endopeptidase (npun_r0659) from nostoc punctiforme pcc 73102 at 1.793 a resolution
5	c4fdyA_			100.0	26	PDB header: hydrolase Chain: A: PDB Molecule: similar to lipoprotein, nlp/p60 family; PDBTitle: crystal structure of a similar to lipoprotein, nlp/p60 family2 (sav0400) from staphylococcus aureus subsp. aureus mu50 at 2.23 a3 resolution
6	c3h41A_			100.0	29	PDB header: hydrolase Chain: A: PDB Molecule: nlp/p60 family protein; PDBTitle: crystal structure of a nlp/p60 family protein (bce_2878) from2 bacillus cereus atcc 10987 at 1.79 a resolution
7	c3gt2A_			100.0	36	PDB header: unknown function Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of the p60 domain from m. avium paratuberculosis2 antigen map1272c
8	d2evra2			100.0	27	Fold: Cysteine proteinases Superfamily: Cysteine proteinases Family: NlpC/P60
9	c3npfB_			100.0	34	PDB header: hydrolase Chain: B: PDB Molecule: putative dipeptidyl-peptidase vi; PDBTitle: crystal structure of a putative dipeptidyl-peptidase vi (bacova_00612)2 from bacteroides ovatus at 1.72 a resolution
10	c3i86A_			99.9	34	PDB header: hydrolase Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of the p60 domain from m. avium subspecies2 paratuberculosis antigen map1204
11	c4hpeA_			99.9	33	PDB header: hydrolase Chain: A: PDB Molecule: putative cell wall hydrolase tn916-like,ctn1-orf17; PDBTitle: crystal structure of a putative cell wall hydrolase (cd630_03720) from2 clostridium difficile 630 at 2.38 a resolution

12	c2k1gA			99.9	33	PDB header: lipoprotein Chain: A: PDB Molecule: lipoprotein spr; PDBTitle: solution nmr structure of lipoprotein spr from escherichia coli k12.2 northeast structural genomics target er541-37-162
13	c6b8cA			99.9	37	PDB header: hydrolase Chain: A: PDB Molecule: nlp/p60; PDBTitle: crystal structure of nlp/p60 domain of peptidoglycan hydrolase saga
14	c4xcmB			99.9	32	PDB header: hydrolase Chain: B: PDB Molecule: cell wall-binding endopeptidase-related protein; PDBTitle: crystal structure of the putative nlp/p60 d,l endopeptidase from t.2 thermophilus
15	c3m1uB			99.8	24	PDB header: hydrolase Chain: B: PDB Molecule: putative gamma-d-glutamyl-l-diamino acid endopeptidase; PDBTitle: crystal structure of a putative gamma-d-glutamyl-l-diamino acid2 endopeptidase (dvu_0896) from desulfovibrio vulgaris hildenborough at 3.175 a resolution
16	c2p1gA			99.0	28	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative xylanase; PDBTitle: crystal structure of a putative xylanase from bacteroides fragilis
17	c2kytA			97.7	29	PDB header: hydrolase Chain: A: PDB Molecule: group xvi phospholipase a2; PDBTitle: solution structure of the h-rev107 n-terminal domain
18	c2lktA			97.4	37	PDB header: hydrolase Chain: A: PDB Molecule: retinoic acid receptor responder protein 3; PDBTitle: solution structure of n-terminal domain of human tig3 in 2 m urea
19	c3kw0D			97.1	20	PDB header: hydrolase Chain: D: PDB Molecule: cysteine peptidase; PDBTitle: crystal structure of cysteine peptidase (np_982244.1) from bacillus2 cereus atcc 10987 at 2.50 a resolution
20	c4cgkA			97.0	12	PDB header: cell cycle Chain: A: PDB Molecule: secreted 45 kda protein; PDBTitle: crystal structure of the essential protein pcsb from streptococcus2 pneumoniae
21	d2if6a1		not modelled	95.9	24	Fold: Cysteine proteinases Superfamily: Cysteine proteinases Family: YiiX-like
22	c4hzbA		not modelled	95.7	29	PDB header: hydrolase Chain: A: PDB Molecule: putative cytoplasmic protein; PDBTitle: crystal structure of the type vi semet effector-immunity complex tae3-2 tai3 from ralstonia pickettii PDB header: biosynthetic protein Chain: A: PDB Molecule: staphyloxanthin biosynthesis protein, putative; PDBTitle: nmr solution structure of staphyloxanthin biosynthesis protein
23	c2lrjA		not modelled	95.5	27	PDB header: hydrolase Chain: A: PDB Molecule: phage-associated cell wall hydrolase; PDBTitle: phage-associated cell wall hydrolase pflyp from streptococcus2 pyogenes, space group p6522
24	c5udmA		not modelled	95.4	19	PDB header: hydrolase Chain: A: PDB Molecule: phage-associated cell wall hydrolase; PDBTitle: phage-associated cell wall hydrolase pflyp from streptococcus2 pyogenes, space group p6522
25	c5t1qB		not modelled	95.1	26	PDB header: hydrolase Chain: B: PDB Molecule: n-acetylmuramoyl-l-alanine amidase domain-containing PDBTitle: 2.15 angstrom crystal structure of n-acetylmuramoyl-l-alanine amidase2 from staphylococcus aureus.
26	c2k3aA		not modelled	93.6	24	PDB header: hydrolase Chain: A: PDB Molecule: chaperone domain protein; PDBTitle: nmr solution structure of staphylococcus saprophyticus chap2 (cysteine, histidine-dependent amidohydrolases/peptidases)3 domain protein. northeast structural genomics consortium4 target syr11
27	d2im9a1		not modelled	92.8	30	Fold: Cysteine proteinases Superfamily: Cysteine proteinases Family: LpqM64-like PDB header: structural genomics, unknown function

28	c2im9A_		not modelled	92.8	30	Chain: A: PDB Molecule: hypothetical protein; PDBTitle: crystal structure of protein lpg0564 from legionella pneumophila str.2 philadelphia 1, pfam duf1460
29	c4olkB_		not modelled	92.6	15	PDB header: hydrolase Chain: B: PDB Molecule: endolysin; PDBTitle: the chap domain of lysgh5
30	c4f4mA_		not modelled	92.2	33	PDB header: hydrolase regulator Chain: A: PDB Molecule: papain peptidoglycan amidase effector tse1; PDBTitle: structure of the type vi peptidoglycan amidase effector tse1 (c30a)2 from pseudomonas aeruginosa
31	c4f0wA_		not modelled	91.6	33	PDB header: hydrolase Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: crystal structure of type effector tse1 c30a mutant from pseudomonas aeruginosa
32	c4h4jA_		not modelled	91.0	26	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein; PDBTitle: crystal structure of a n-acetylmuramoyl-l-alanine amidase2 (bacuni_02947) from bacteroides uniformis atcc 8492 at 1.15 a3 resolution
33	d2ba0a2		not modelled	90.8	33	Fold: Barrel-sandwich hybrid Superfamily: Ribosomal L27 protein-like Family: ECR1 N-terminal domain-like
34	c4eyzB_		not modelled	88.0	43	PDB header: hydrolase Chain: B: PDB Molecule: cellulosome-related protein module from ruminococcus PDBTitle: crystal structure of an uncommon cellulosome-related protein module2 from ruminococcus flavefaciens that resembles papain-like cysteine3 peptidases
35	c4pa5A_		not modelled	87.0	24	PDB header: transferase Chain: A: PDB Molecule: protein-glutamine gamma-glutamyltransferase; PDBTitle: tgl - a bacterial spore coat transglutaminase - cystamine complex
36	d2io8a2		not modelled	85.9	30	Fold: Cysteine proteinases Superfamily: Cysteine proteinases Family: CHAP domain
37	d2gbsa1		not modelled	82.2	32	Fold: PUA domain-like Superfamily: PUA domain-like Family: Atu2648/PH1033-like
38	d1zcea1		not modelled	80.9	26	Fold: PUA domain-like Superfamily: PUA domain-like Family: Atu2648/PH1033-like
39	d2ar1a1		not modelled	80.6	37	Fold: PUA domain-like Superfamily: PUA domain-like Family: Atu2648/PH1033-like
40	d2g2xa1		not modelled	78.1	35	Fold: PUA domain-like Superfamily: PUA domain-like Family: Atu2648/PH1033-like
41	d2eyqa1		not modelled	77.6	17	Fold: SH3-like barrel Superfamily: CardD-like Family: CardD-like
42	d2evea1		not modelled	77.6	32	Fold: PUA domain-like Superfamily: PUA domain-like Family: Atu2648/PH1033-like
43	c3eopB_		not modelled	76.3	35	PDB header: unknown function Chain: B: PDB Molecule: thymocyte nuclear protein 1; PDBTitle: crystal structure of the duf55 domain of human thymocyte nuclear2 protein 1
44	c2ioaA_		not modelled	71.7	26	PDB header: ligase, hydrolase Chain: A: PDB Molecule: bifunctional glutathionylspermidine synthetase/amidase incomplex with mg2+ and adp and3 phosphinate inhibitor
45	d1zx8a1		not modelled	71.4	32	Fold: Cyclophilin-like Superfamily: Cyclophilin-like Family: TM1367-like
46	c2wbqA_		not modelled	70.6	30	PDB header: oxidoreductase Chain: A: PDB Molecule: l-arginine beta-hydroxylase; PDBTitle: crystal structure of vioc in complex with (2s,3s)-2 hydroxyarginine
47	c2vpmB_		not modelled	70.3	26	PDB header: ligase Chain: B: PDB Molecule: trypanothione synthetase; PDBTitle: trypanothione synthetase
48	c6d6rH_		not modelled	70.3	28	PDB header: hydrolase Chain: H: PDB Molecule: exosome complex component rrp4; PDBTitle: human nuclear exosome-mtr4 rna complex - composite map after focused2 reconstruction
49	c4kmbB_		not modelled	70.2	21	PDB header: transferase/transcription Chain: B: PDB Molecule: rna polymerase-binding transcription factor card; PDBTitle: structure of the mtb card/rnap beta subunit b1-b2 domains complex
50	c4ifdH_		not modelled	69.8	37	PDB header: hydrolase/rna Chain: H: PDB Molecule: exosome complex component rrp4; PDBTitle: crystal structure of an 11-subunit eukaryotic exosome complex bound to2 rna
51	c4xbzB_		not modelled	68.6	32	PDB header: oxidoreductase Chain: B: PDB Molecule: evd01; PDBTitle: crystal structure of evd01 from micromonospora carbonacea var.2 aurantiaca
52	c6dawA_		not modelled	68.1	40	PDB header: oxidoreductase Chain: A: PDB Molecule: non-heme iron hydroxylase; PDBTitle: x-ray crystal structure of napi l-arginine desaturase bound to fe(ii),2 l-arginine, and acetate

53	c5z9tB	Alignment	not modelled	67.6	28	PDB header: lyase Chain: B: PDB Molecule: alginate lyase alfy-ou02; PDBTitle: a new pl6 alginate lyase complex with trisaccharide
54	c6f6jC	Alignment	not modelled	66.0	20	PDB header: oxidoreductase Chain: C: PDB Molecule: l-lysine 3-hydroxylase; PDBTitle: crystal structure of the fe(ii)/alpha-ketoglutarate dependent2 dioxygenase kdo1 with fe(ii)/succinate/(3s)-3-hydroxy-l-lysine
55	c4dbhA	Alignment	not modelled	65.7	22	PDB header: isomerase Chain: A: PDB Molecule: 2-hydroxyhepta-2,4-diene-1,7-dioate isomerase; PDBTitle: crystal structure of cg1458 with inhibitor
56	c2og5A	Alignment	not modelled	65.0	25	PDB header: oxidoreductase Chain: A: PDB Molecule: putative oxygenase; PDBTitle: crystal structure of asparagine oxygenase (asno)
57	d1jr7a	Alignment	not modelled	64.4	14	Fold: Double-stranded beta-helix Superfamily: Clavaminate synthase-like Family: Gab protein (hypothetical protein YgaT)
58	c5hsxB	Alignment	not modelled	64.4	14	PDB header: oxidoreductase Chain: B: PDB Molecule: putative alpha-ketoglutarate-dependent taurine dioxygenase; PDBTitle: crystal structure of a putative alpha-ketoglutarate-dependent taurine2 dioxygenase from burkholderia xenovorans
59	c4ne0A	Alignment	not modelled	64.1	25	PDB header: hydrolase Chain: A: PDB Molecule: l-arginine beta-hydroxylase; PDBTitle: crystal structure of non-heme iron oxygenase orfp d157a mutant in2 complex with (3s)-hydroxy-l-arg
60	c4nubA	Alignment	not modelled	64.0	32	PDB header: oxidoreductase Chain: A: PDB Molecule: 50s ribosomal protein l16 arginine hydroxylase; PDBTitle: crystal structure of escherichia coli ribosomal oxygenase ycfd
61	c5eqnA	Alignment	not modelled	63.2	20	PDB header: hydrolase Chain: A: PDB Molecule: frbj; PDBTitle: structure of phosphonate hydroxylase
62	d1ds1a	Alignment	not modelled	63.0	30	Fold: Double-stranded beta-helix Superfamily: Clavaminate synthase-like Family: Clavaminate synthase
63	d1otja	Alignment	not modelled	62.9	19	Fold: Double-stranded beta-helix Superfamily: Clavaminate synthase-like Family: TauD/TfdA-like
64	d2fcfa1	Alignment	not modelled	62.9	15	Fold: Double-stranded beta-helix Superfamily: Clavaminate synthase-like Family: PhyH-like
65	c6exhA	Alignment	not modelled	62.3	29	PDB header: oxidoreductase Chain: A: PDB Molecule: l-lysine 4-hydroxylase; PDBTitle: crystal structure of the complex fe(ii)/alpha-ketoglutarate dependent2 dioxygenase kdo5 with fe(ii)/succinate/(4r)-4-hydroxy-l-lysine
66	c2lwjA	Alignment	not modelled	62.0	18	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulator, card family; PDBTitle: nmr solution structure myxococcus xanthus cdnl
67	c4xc9B	Alignment	not modelled	61.8	23	PDB header: oxidoreductase Chain: B: PDB Molecule: oxidase/hydroxylase; PDBTitle: crystal structure of apo hygx from streptomyces hygroscopicus
68	c4yxbA	Alignment	not modelled	61.5	17	PDB header: protein transport Chain: A: PDB Molecule: flagellar motor switch protein flim,flagellar motor switch PDBTitle: flim(spoA)::flin fusion protein
69	c3nnlB	Alignment	not modelled	61.4	29	PDB header: biosynthetic protein Chain: B: PDB Molecule: cura; PDBTitle: halogenase domain from cura module (crystal form iii)
70	c2nnzA	Alignment	not modelled	61.4	25	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein; PDBTitle: solution structure of the hypothetical protein af2241 from2 archaeoglobus fulgidus
71	c3kopB	Alignment	not modelled	61.3	23	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of protein with a cyclophilin-like fold2 (yp_831253.1) from arthrobacter sp. fb24 at 1.90 a resolution
72	c4ne0B	Alignment	not modelled	61.0	25	PDB header: hydrolase Chain: B: PDB Molecule: l-arginine beta-hydroxylase; PDBTitle: crystal structure of non-heme iron oxygenase orfp d157a mutant in2 complex with (3s)-hydroxy-l-arg
73	c2eyqA	Alignment	not modelled	60.4	17	PDB header: hydrolase Chain: A: PDB Molecule: transcription-repair coupling factor; PDBTitle: crystal structure of escherichia coli transcription-repair2 coupling factor
74	d1nkqa	Alignment	not modelled	60.4	18	Fold: FAH Superfamily: FAH Family: FAH
75	d1wpga1	Alignment	not modelled	59.7	26	Fold: Double-stranded beta-helix Superfamily: Calcium ATPase, transduction domain A Family: Calcium ATPase, transduction domain A
76	c3eatX	Alignment	not modelled	59.3	29	PDB header: oxidoreductase Chain: X: PDB Molecule: pyoverdine biosynthesis protein pvcb; PDBTitle: crystal structure of the pvcb (pa2255) protein from2 pseudomonas aeruginosa
77	c4afpA	Alignment	not modelled	59.2	29	PDB header: hydrolase Chain: A: PDB Molecule: metacaspase mca2; PDBTitle: the structure of metacaspase 2 from t. brucei determined in the2 presence of samarium
78	c6d1oD	Alignment	not modelled	59.1	14	PDB header: oxidoreductase Chain: D: PDB Molecule: (r)-phenoxypropionate/alpha-ketoglutarate-dioxygenase;

					PDBTitle: ft_5 dioxygenase apoenzyme
79	c2opwA	Alignment	not modelled	59.0	PDB header: oxidoreductase Chain: A: PDB Molecule: phyhd1 protein; PDBTitle: crystal structure of human phytanoyl-coa dioxygenase phyhd1 (apo)
80	c5xrwD	Alignment	not modelled	58.9	PDB header: motor protein Chain: D: PDB Molecule: flyi; PDBTitle: crystal structure of flagellar motor switch complex from h. pylori
81	c3uepB	Alignment	not modelled	58.7	PDB header: protein transport Chain: B: PDB Molecule: yscq-c, type iii secretion protein; PDBTitle: crystal structure of yscq-c from yersinia pseudotuberculosis
82	d1e8ca2	Alignment	not modelled	58.6	Fold: MurD-like peptide ligases, peptide-binding domain Superfamily: MurD-like peptide ligases, peptide-binding domain Family: MurCDEF C-terminal domain
83	c2lqkA	Alignment	not modelled	58.5	PDB header: transcription regulator Chain: A: PDB Molecule: transcriptional regulator; PDBTitle: nmr solution structure of the n-terminal domain of the cdnl protein2 from thermus thermophilus
84	d2nn6h2	Alignment	not modelled	58.0	Fold: Barrel-sandwich hybrid Superfamily: Ribosomal L27 protein-like Family: ECLR N-terminal domain-like
85	c6dchA	Alignment	not modelled	57.7	PDB header: oxidoreductase Chain: A: PDB Molecule: scoe protein; PDBTitle: structure of isonitrile biosynthesis enzyme scoe
86	c2lt4A	Alignment	not modelled	57.5	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulator, card family; PDBTitle: cdnlnt from myxococcus xanthus
87	c4j5iH	Alignment	not modelled	56.9	PDB header: oxidoreductase Chain: H: PDB Molecule: alpha-ketoglutarate-dependent taurine dioxygenase; PDBTitle: crystal structure of an alpha-ketoglutarate-dependent taurine2 dioxygenase from mycobacterium smegmatis
88	c4lt5A	Alignment	not modelled	56.7	PDB header: oxidoreductase/dna Chain: A: PDB Molecule: naegleria tet-like dioxygenase; PDBTitle: structure of a naegleria tet-like dioxygenase in complex with 5-2 methylcytosine dna
89	c2xxzA	Alignment	not modelled	55.6	PDB header: oxidoreductase Chain: A: PDB Molecule: lysine-specific demethylase 6b; PDBTitle: crystal structure of the human jumjd3 jumonji domain
90	d1nx4a	Alignment	not modelled	55.3	Fold: Double-stranded beta-helix Superfamily: Clavaminate synthase-like Family: gamma-Butyrobetaine hydroxylase
91	c3r1jB	Alignment	not modelled	55.2	PDB header: oxidoreductase Chain: B: PDB Molecule: alpha-ketoglutarate-dependent taurine dioxygenase; PDBTitle: crystal structure of alpha-ketoglutarate-dependent taurine dioxygenase2 from mycobacterium avium, native form
92	d1gta1	Alignment	not modelled	55.2	Fold: FAH Superfamily: FAH Family: FAH
93	c3pvjB	Alignment	not modelled	55.1	PDB header: oxidoreductase Chain: B: PDB Molecule: alpha-ketoglutarate-dependent taurine dioxygenase; PDBTitle: crystal structure of the fe(ii)/alpha-ketoglutarate dependent taurine2 dioxygenase from pseudomonas putida kt2440
94	c2nbgA	Alignment	not modelled	55.1	PDB header: translation Chain: A: PDB Molecule: translation initiation factor if-2; PDBTitle: structure of the geobacillus stearothermophilus if2 g3-subdomain
95	c4mhU	Alignment	not modelled	55.0	PDB header: oxidoreductase Chain: B: PDB Molecule: ectoine hydroxylase; PDBTitle: crystal structure of ectd from s. alaskensis with bound fe
96	d1y0za	Alignment	not modelled	55.0	Fold: Double-stranded beta-helix Superfamily: Clavaminate synthase-like Family: gamma-Butyrobetaine hydroxylase
97	c5vn6B	Alignment	not modelled	54.9	PDB header: oxidoreductase Chain: B: PDB Molecule: taurine dioxygenase; PDBTitle: crystal structure of taurine dioxygenase from burkholderia ambifaria
98	c5j92B	Alignment	not modelled	54.8	PDB header: oxidoreductase Chain: B: PDB Molecule: putative alpha kg dependent 2,4-d dioxygenase; PDBTitle: crystal structure of a putative alpha-ketoglutarate dependent 2,4-d2 dioxygenase from burkholderia xenovorans
99	c2kijA	Alignment	not modelled	54.4	PDB header: hydrolase Chain: A: PDB Molecule: copper-transferring atpase 1; PDBTitle: solution structure of the actuator domain of the copper-2 transporting atpase atp7a
100	c4y0eB	Alignment	not modelled	54.2	PDB header: oxidoreductase Chain: B: PDB Molecule: putative dioxygenase; PDBTitle: x-ray crystal structure of a putative dioxygenase from mycobacterium2 abscessus
101	c2hc8A	Alignment	not modelled	53.9	PDB header: transport protein Chain: A: PDB Molecule: cation-transferring atpase, p-type; PDBTitle: structure of the a. fulgidus copa a-domain
102	c5d74B	Alignment	not modelled	53.8	PDB header: hydrolase Chain: B: PDB Molecule: putative phage lysis; PDBTitle: the crystal structure of ly7917
103	c2q1dX	Alignment	not modelled	53.7	PDB header: lyase Chain: X: PDB Molecule: 2-keto-3-deoxy-d-arabinonate dehydratase; PDBTitle: 2-keto-3-deoxy-d-arabinonate dehydratase complexed with magnesium and 2,5-dioxopentanoate

104	c5bkeF_	Alignment	not modelled	53.7	20	PDB header: oxidoreductase Chain: F: PDB Molecule: alpha-ketoglutarate-dependent 2,4-dichlorophenoxyacetate PDBTitle: crystal structure of aad-2 in complex with mn(ii) and n-oxalylglycine
105	d1oiha_	Alignment	not modelled	53.5	15	Fold: Double-stranded beta-helix Superfamily: Clavaminate synthase-like Family: TauD/TfdA-like
106	c2zaub_	Alignment	not modelled	53.4	14	PDB header: transferase Chain: B: PDB Molecule: selenide, water dikinase; PDBTitle: crystal structure of an n-terminally truncated2 selenophosphate synthetase from aquifex aeolicus
107	c6npkB_	Alignment	not modelled	53.3	25	PDB header: oxidoreductase Chain: B: PDB Molecule: tmpa, 2-trimethylaminoethylphosphonate hydroxylase; PDBTitle: x-ray crystal structure of tmpa, 2-trimethylaminoethylphosphonate2 hydroxylase, with fe, 2og, and 2-trimethylaminoethylphosphonate
108	c3ibmB_	Alignment	not modelled	53.0	36	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: cupin 2, conserved barrel domain protein; PDBTitle: crystal structure of cupin 2 domain-containing protein hhal_0468 from2 halorhodospira halophila
109	d2nn6i2	Alignment	not modelled	53.0	21	Fold: Barrel-sandwich hybrid Superfamily: Ribosomal L27 protein-like Family: ECR1 N-terminal domain-like
110	c6gmaA_	Alignment	not modelled	52.6	17	PDB header: protein binding Chain: A: PDB Molecule: rb1-inducible coiled-coil protein 1; PDBTitle: crystal structure of the fip200 c-terminal region
111	d1o6aa_	Alignment	not modelled	52.5	12	Fold: Surface presentation of antigens (SPOA) Superfamily: Surface presentation of antigens (SPOA) Family: Surface presentation of antigens (SPOA)
112	c5y9vA_	Alignment	not modelled	52.4	11	PDB header: transport protein Chain: A: PDB Molecule: ryanodine receptor 1; PDBTitle: crystal sturcture of diamondback moth ryanodine receptor n-terminal2 domain
113	d2hd9a1	Alignment	not modelled	52.3	21	Fold: PUA domain-like Superfamily: PUA domain-like Family: Atu2648/PH1033-like
114	c1i7oC_	Alignment	not modelled	52.0	19	PDB header: isomerase, lyase Chain: C: PDB Molecule: 4-hydroxyphenylacetate degradation bifunctional PDBTitle: crystal structure of hpce
115	c4cswA_	Alignment	not modelled	51.5	24	PDB header: oxidoreductase Chain: A: PDB Molecule: cupin 4 family protein; PDBTitle: rhodothermus marinus ycfd-like ribosomal protein l16 arginyl2 hydroxylase
116	c6b8wB_	Alignment	not modelled	51.2	16	PDB header: transcription Chain: B: PDB Molecule: xre family transcriptional regulator; PDBTitle: 1.9 angstrom resolution crystal structure of cupin_2 domain (pfam2_07883) of xre family transcriptional regulator from enterobacter3 cloacae.
117	c4rgkA_	Alignment	not modelled	51.1	37	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of putative phytanoyl-coa dioxygenase family protein2 ybiu from yersinia pestis
118	d1we3o_	Alignment	not modelled	51.1	24	Fold: GroES-like Superfamily: GroES-like Family: GroES
119	c4diqA_	Alignment	not modelled	51.1	24	PDB header: oxidoreductase Chain: A: PDB Molecule: lysine-specific demethylase no66; PDBTitle: crystal structure of human no66
120	c3ms5A_	Alignment	not modelled	51.1	20	PDB header: oxidoreductase Chain: A: PDB Molecule: gamma-butyrobetaine dioxygenase; PDBTitle: crystal structure of human gamma-butyrobetaine,2-oxoglutarate2 dioxygenase 1 (bbox1)