Phyre2

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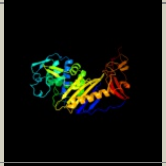
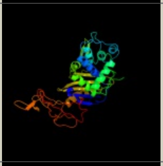
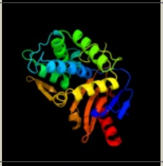
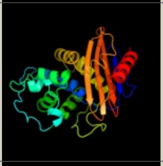
Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3it9B_	Alignment		100.0	100	**PDB header:**hydrolase **Chain:** B: **PDB Molecule:**d-alanyl-d-alanine carboxypeptidase dacc; **PDBTitle:** crystal structure of penicillin-binding protein 6 (pbp6)2 from e. coli in apo state
2	c1z6fA_	Alignment		100.0	64	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**penicillin-binding protein 5; **PDBTitle:** crystal structure of penicillin-binding protein 5 from e. coli in2 complex with a boronic acid inhibitor
3	c3a3jA_	Alignment		100.0	54	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**pbp5; **PDBTitle:** crystal structures of penicillin binding protein 5 from2 haemophilus influenzae
4	c1xp4C_	Alignment		100.0	25	**PDB header:**hydrolase **Chain:** C: **PDB Molecule:**d-alanyl-d-alanine carboxypeptidase; **PDBTitle:** crystal structure of a peptidoglycan synthesis regulatory2 factor (pbp3) from streptococcus pneumoniae
5	c3mfdB_	Alignment		100.0	31	**PDB header:**hydrolase **Chain:** B: **PDB Molecule:**d-alanyl-d-alanine carboxypeptidase dacb; **PDBTitle:** the structure of the beta-lactamase superfamily domain of d-alanyl-d-2 alanine carboxypeptidase from bacillus subtilis
6	c1tvfA_	Alignment		100.0	24	**PDB header:**penicillin binding **Chain:** A: **PDB Molecule:**penicillin binding protein 4; **PDBTitle:** crystal structure of penicillin-binding protein 4 (pbp4)2 from staphylococcus aureus
7	c3humB_	Alignment		100.0	24	**PDB header:**hydrolase/antibiotics **Chain:** B: **PDB Molecule:**penicillin-binding protein 4; **PDBTitle:** crystal structure of penicillin binding protein 4 from2 staphylococcus aureus col in complex with cefotaxime
8	d1tvfa2	Alignment		100.0	28	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
9	d3beca2	Alignment		100.0	67	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
10	d1xp4a2	Alignment		100.0	28	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
11	c2bcfA_	Alignment		100.0	30	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**probable d-alanyl-d-alanine carboxypeptidase **PDBTitle:** crystal structure of a evolved putative penicillin-binding2 protein homolog, rv2911, from mycobacterium tuberculosis.

12	d1es5a_	Alignment		100.0	33	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
13	c2v20A_	Alignment		100.0	15	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**beta-lactamase tem; **PDBTitle:** structure of a tem-1 beta-lactamase insertant2 allosterically regulated by kanamycin and anions. complex3 with sulfate.
14	d1m40a_	Alignment		100.0	16	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
15	d1n9ba_	Alignment		100.0	19	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
16	c2j7vA_	Alignment		100.0	16	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**tll2115 protein; **PDBTitle:** structure of pbp-a
17	c3qhyA_	Alignment		100.0	16	**PDB header:**hydrolase/hydrolase inhibitor **Chain:** A: **PDB Molecule:**beta-lactamase; **PDBTitle:** structural, thermodynamic and kinetic analysis of the picomolar2 binding affinity interaction of the beta-lactamase inhibitor protein-3 ii (blip-ii) with class a beta-lactamases
18	d1dy6a_	Alignment		100.0	15	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
19	d1o7ea_	Alignment		100.0	19	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
20	c3cg5A_	Alignment		100.0	16	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**beta-lactamase; **PDBTitle:** crystal structure of the covalent adduct formed between tb2 b-lactamase and clavulanate
21	c3dw0B_	Alignment	not modelled	100.0	19	**PDB header:**hydrolase **Chain:** B: **PDB Molecule:**class a carbapenemase kpc-2; **PDBTitle:** crystal structure of the class a carbapenemase kpc-2 at 1.62 angstrom resolution
22	d1hzoa_	Alignment	not modelled	100.0	18	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
23	c3p09B_	Alignment	not modelled	100.0	15	**PDB header:**hydrolase **Chain:** B: **PDB Molecule:**beta-lactamase; **PDBTitle:** crystal structure of beta-lactamase from francisella tularensis
24	c1i2sA_	Alignment	not modelled	100.0	15	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**beta-lactamase; **PDBTitle:** beta-lactamase from bacillus licheniformis bs3
25	d1i2sa_	Alignment	not modelled	100.0	15	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
26	d1iysa_	Alignment	not modelled	100.0	21	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
27	c3cjmA_	Alignment	not modelled	100.0	13	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**putative beta-lactamase; **PDBTitle:** crystal structure of putative beta-lactamase (np_815223.1) from2 enterococcus faecalis v583 at 1.50 a resolution
28	c2ov5A_	Alignment	not modelled	100.0	18	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**carbapenemase; **PDBTitle:** crystal structure of the kpc-2 carbapenemase

29	d2cc1a1	Alignment	not modelled	100.0	19	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
30	d1bsga_	Alignment	not modelled	100.0	14	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
31	d1buea_	Alignment	not modelled	100.0	18	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
32	c2wuqA_	Alignment	not modelled	100.0	19	**PDB header:**transcription **Chain:** A: **PDB Molecule:**beta-lactamase regulatory protein blab; **PDBTitle:** crystal structure of blab protein from streptomyces cacaoi
33	d1g6aa_	Alignment	not modelled	100.0	15	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
34	c2qpnA_	Alignment	not modelled	100.0	15	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**beta-lactamase ges-1; **PDBTitle:** ges-1 beta-lactamase
35	c3lezA_	Alignment	not modelled	100.0	14	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**beta-lactamase; **PDBTitle:** crystal structure of a halotolerant bacterial beta-lactamase
36	c3p09A_	Alignment	not modelled	100.0	14	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**beta-lactamase; **PDBTitle:** crystal structure of beta-lactamase from francisella tularensis
37	c1w7fB_	Alignment	not modelled	100.0	16	**PDB header:**hydrolase **Chain:** B: **PDB Molecule:**beta-lactamase; **PDBTitle:** crystal structure of the class a beta-lactamase bs32 inhibited with isocitrate
38	c2wuqB_	Alignment	not modelled	100.0	18	**PDB header:**transcription **Chain:** B: **PDB Molecule:**beta-lactamase regulatory protein blab; **PDBTitle:** crystal structure of blab protein from streptomyces cacaoi
39	d1alqa_	Alignment	not modelled	100.0	20	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
40	d1djaa_	Alignment	not modelled	100.0	18	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
41	d1e25a_	Alignment	not modelled	100.0	17	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
42	c2xftA_	Alignment	not modelled	100.0	14	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**orf12; **PDBTitle:** structural and mechanistic studies on a cephalosporin esterase from2 the clavulanic acid biosynthesis pathway
43	c3a3eB_	Alignment	not modelled	99.9	23	**PDB header:**hydrolase **Chain:** B: **PDB Molecule:**penicillin-binding protein 4; **PDBTitle:** crystal structure of penicillin binding protein 4 (dacb)2 from haemophilus influenzae, complexed with novel beta-3 lactam (cmv)
44	d1w5da1	Alignment	not modelled	99.9	24	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**Dac-like
45	d1w79a1	Alignment	not modelled	99.9	24	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**Dac-like
46	d2ex2a1	Alignment	not modelled	99.8	21	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**Dac-like
47	d3beca1	Alignment	not modelled	99.8	55	**Fold:**Penicillin-binding protein associated domain **Superfamily:**Penicillin-binding protein associated domain **Family:**PBP5 C-terminal domain-like
48	c3i7jB_	Alignment	not modelled	99.6	18	**PDB header:**hydrolase **Chain:** B: **PDB Molecule:**beta-lactamase mb2281c; **PDBTitle:** crystal structure of a beta-lactamase (mb2281c) from2 mycobacterium bovis, northeast structural genomics3 consortium target mbr246
49	d1nrfa_	Alignment	not modelled	99.6	15	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
50	d1xa1a_	Alignment	not modelled	99.6	17	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
51	c2iwdA_	Alignment	not modelled	99.5	11	**PDB header:**antibiotic resistance **Chain:** A: **PDB Molecule:**methicillin resistance mecr1 protein; **PDBTitle:** oxacilloyl-acylated mecr1 extracellular antibiotic-sensor2 domain.
52	c2jc7A_	Alignment	not modelled	99.4	19	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**beta-lactamase oxa-24; **PDBTitle:** the crystal structure of the carbapenemase oxa-24 reveals2 new insights into the mechanism of carbapenem-hydrolysis
53	d1k38a_	Alignment	not modelled	99.3	14	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
54	c3hbrD_	Alignment	not modelled	99.3	17	**PDB header:**hydrolase **Chain:** D: **PDB Molecule:**oxa-48; **PDBTitle:** crystal structure of oxa-48 beta-lactamase
						PDB header:hydrolase

55	c3if6C_	Alignment	not modelled	99.2	19	**Chain:** C: **PDB Molecule:**oxa-46 oxacillinase; **PDBTitle:** crystal structure of oxa-46 beta-lactamase from p.2 aeruginosa
56	d1vqqa3	Alignment	not modelled	99.2	15	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
57	c3pbqA_	Alignment	not modelled	99.1	23	**PDB header:**hydrolase/antibiotic **Chain:** A: **PDB Molecule:**penicillin-binding protein 3; **PDBTitle:** crystal structure of pbp3 complexed with imipenem
58	d1k55a_	Alignment	not modelled	99.1	19	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
59	c3oc2A_	Alignment	not modelled	99.1	29	**PDB header:**penicillin-binding protein **Chain:** A: **PDB Molecule:**penicillin-binding protein 3; **PDBTitle:** crystal structure of penicillin-binding protein 3 from pseudomonas2 aeruginosa
60	c3lo7A_	Alignment	not modelled	99.1	22	**PDB header:**transferase **Chain:** A: **PDB Molecule:**penicillin-binding protein a; **PDBTitle:** crystal structure of pbpa from mycobacterium tuberculosis
61	d1xp4a1	Alignment	not modelled	99.1	19	**Fold:**Penicillin-binding protein associated domain **Superfamily:**Penicillin-binding protein associated domain **Family:**PBP5 C-terminal domain-like
62	c2qmiH_	Alignment	not modelled	99.0	17	**PDB header:**hydrolase **Chain:** H: **PDB Molecule:**pbp related beta-lactamase; **PDBTitle:** structure of the octameric penicillin-binding protein2 homologue from pyrococcus abyssi
63	d1yqsa1	Alignment	not modelled	99.0	22	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
64	d1ci9a_	Alignment	not modelled	99.0	20	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
65	d1pyya4	Alignment	not modelled	99.0	17	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
66	c2qz6A_	Alignment	not modelled	99.0	22	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**beta-lactamase; **PDBTitle:** first crystal structure of a psychrophile class c beta-2 lactamase
67	c1qmfA_	Alignment	not modelled	99.0	19	**PDB header:**peptidoglycan synthesis **Chain:** A: **PDB Molecule:**penicillin-binding protein 2x; **PDBTitle:** penicillin-binding protein 2x (pbp-2x) acyl-enzyme complex
68	c2wadB_	Alignment	not modelled	99.0	18	**PDB header:**peptide binding protein **Chain:** B: **PDB Molecule:**penicillin-binding protein 2b; **PDBTitle:** penicillin-binding protein 2b (pbp-2b) from streptococcus2 pneumoniae (strain 5204)
69	c3hleA_	Alignment	not modelled	98.9	21	**PDB header:**transferase **Chain:** A: **PDB Molecule:**transesterase; **PDBTitle:** simvastatin synthase (lovd), from aspergillus terreus, s5 mutant, s76a2 mutant, complex with monacolin j acid
70	c3fwlA_	Alignment	not modelled	98.9	18	**PDB header:**transferase, hydrolase **Chain:** A: **PDB Molecule:**penicillin-binding protein 1b; **PDBTitle:** crystal structure of the full-length transglycosylase pbp1b2 from escherichia coli
71	d2dcfa1	Alignment	not modelled	98.9	28	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
72	c3equB_	Alignment	not modelled	98.9	23	**PDB header:**biosynthetic protein **Chain:** B: **PDB Molecule:**penicillin-binding protein 2; **PDBTitle:** crystal structure of penicillin-binding protein 2 from neisseria2 gonorrhoeae
73	c3ue3A_	Alignment	not modelled	98.9	25	**PDB header:**transferase **Chain:** A: **PDB Molecule:**septum formation, penicillin binding protein 3, **PDBTitle:** crystal structure of acinetobacter baumanni pbp3
74	d1rgya_	Alignment	not modelled	98.9	26	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
75	c3tg9A_	Alignment	not modelled	98.9	17	**PDB header:**penicillin binding protein **Chain:** A: **PDB Molecule:**penicillin-binding protein; **PDBTitle:** the crystal structure of penicillin binding protein from bacillus2 halodurans
76	d1rp5a4	Alignment	not modelled	98.8	16	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
77	c1mwuA_	Alignment	not modelled	98.8	16	**PDB header:**biosynthetic protein **Chain:** A: **PDB Molecule:**penicillin-binding protein 2a; **PDBTitle:** structure of methicillin acyl-penicillin binding protein 2a2 from methicillin resistant staphylococcus aureus strain3 27r at 2.60 a resolution.
78	c2wzzA_	Alignment	not modelled	98.8	21	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**beta-lactamase; **PDBTitle:** amp-c beta-lactamase (pseudomonas aeruginosa)in complex2 with compound m-03
79	d1m6ka_	Alignment	not modelled	98.8	14	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
80	d1ei5a3	Alignment	not modelled	98.8	14	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
81	d1onha_	Alignment	not modelled	98.8	25	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like

						Family:beta-Lactamase/D-ala carboxypeptidase
82	d2hdsa1	Alignment	not modelled	98.7	21	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
83	d2drwa1	Alignment	not modelled	98.7	21	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
84	c1ei5A_	Alignment	not modelled	98.7	18	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**d-aminopeptidase; **PDBTitle:** crystal structure of a d-aminopeptidase from ochrobactrum2 anthropi
85	c1zkjA_	Alignment	not modelled	98.7	19	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**extended-spectrum beta-lactamase; **PDBTitle:** structural basis for the extended substrate spectrum of cmy-2 10, a plasmid-encoded class c beta-lactamase
86	c3o3vB_	Alignment	not modelled	98.7	21	**PDB header:**hydrolase **Chain:** B: **PDB Molecule:**beta-lactamase; **PDBTitle:** crystal structure of clbp peptidase domain
87	c3udiA_	Alignment	not modelled	98.6	15	**PDB header:**penicillin-binding protein/antibiotic **Chain:** A: **PDB Molecule:**penicillin-binding protein 1a; **PDBTitle:** crystal structure of acinetobacter baumannii pbp1a in complex with2 penicillin g
88	c3ozhA_	Alignment	not modelled	98.5	22	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**beta-lactamase/d-alanine carboxypeptidase; **PDBTitle:** crystal structure of beta-lactamase/d-alanine carboxypeptidase from2 yersinia pestis
89	d2c5wb1	Alignment	not modelled	98.4	17	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
90	c3dwkC_	Alignment	not modelled	98.1	19	**PDB header:**transferase **Chain:** C: **PDB Molecule:**penicillin-binding protein 2; **PDBTitle:** identification of dynamic structural motifs involved in2 peptidoglycan glycosyltransfer
91	d2bg1a1	Alignment	not modelled	98.1	20	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
92	d2olua2	Alignment	not modelled	98.0	19	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
93	c2olvA_	Alignment	not modelled	98.0	16	**PDB header:**transferase **Chain:** A: **PDB Molecule:**penicillin-binding protein 2; **PDBTitle:** structural insight into the transglycosylation step of bacterial cell2 wall biosynthesis : donor ligand complex
94	c1pmdA_	Alignment	not modelled	98.0	12	**PDB header:**peptidoglycan synthesis **Chain:** A: **PDB Molecule:**peptidoglycan synthesis multifunctional enzyme; **PDBTitle:** penicillin-binding protein 2x (pbp-2x)
95	c2bg1A_	Alignment	not modelled	97.9	23	**PDB header:**peptidoglycan **Chain:** A: **PDB Molecule:**penicillin-binding protein 1b; **PDBTitle:** active site restructuring regulates ligand recognition in2 classa penicillin-binding proteins (pbps)
96	d1k25a4	Alignment	not modelled	97.7	21	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**beta-Lactamase/D-ala carboxypeptidase
97	c2jciA_	Alignment	not modelled	97.6	21	**PDB header:**drug-binding protein **Chain:** A: **PDB Molecule:**penicillin-binding protein 1b; **PDBTitle:** structural insights into the catalytic mechanism and the2 role of streptococcus pneumoniae pbp1b
98	c2pbyB_	Alignment	not modelled	51.9	21	**PDB header:**hydrolase **Chain:** B: **PDB Molecule:**glutaminase; **PDBTitle:** probable glutaminase from geobacillus kaustophilus hta426
99	d1u60a_	Alignment	not modelled	50.8	18	**Fold:**beta-lactamase/transpeptidase-like **Superfamily:**beta-lactamase/transpeptidase-like **Family:**Glutaminase
100	c3czdA_	Alignment	not modelled	44.5	13	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**glutaminase kidney isoform; **PDBTitle:** crystal structure of human glutaminase in complex with l-glutamate
101	c2dfwA_	Alignment	not modelled	40.2	21	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**salt-tolerant glutaminase; **PDBTitle:** crystal structure of a major fragment of the salt-tolerant2 glutaminase from micrococcus luteus k-3
102	c3ih9A_	Alignment	not modelled	38.2	21	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**salt-tolerant glutaminase; **PDBTitle:** crystal structure analysis of mglu in its tris form
103	c3nqyA_	Alignment	not modelled	34.2	26	**PDB header:**hydrolase **Chain:** A: **PDB Molecule:**secreted metalloprotease mcp02; **PDBTitle:** crystal structure of the autoprocessed complex of vibriolysin mcp-022 with a single point mutation e346a
104	c3uo9B_	Alignment	not modelled	33.6	13	**PDB header:**hydrolase/hydrolase inhibitor **Chain:** B: **PDB Molecule:**glutaminase kidney isoform, mitochondrial; **PDBTitle:** crystal structure of human gac in complex with glutamate and bptes
105	d2jova1	Alignment	not modelled	33.4	21	**Fold:**CPE0013-like **Superfamily:**CPE0013-like **Family:**CPE0013-like
106	c3ss4C_	Alignment	not modelled	33.2	13	**PDB header:**hydrolase **Chain:** C: **PDB Molecule:**glutaminase c; **PDBTitle:** crystal structure of mouse glutaminase c, phosphate-bound form
						PDB header:oxidoreductase **Chain:** E: **PDB Molecule:**putative thiol-disulfide isomerase or

107	c3l9vE_	Alignment	not modelled	23.0	12	thioredoxin; **PDBTitle:** crystal structure of salmonella enterica serovar typhimurium srga