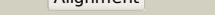
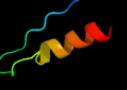
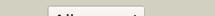
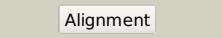
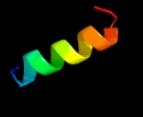
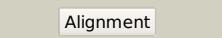
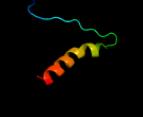
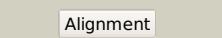
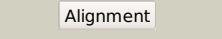
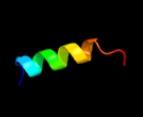
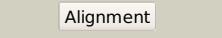
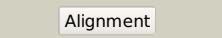
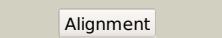
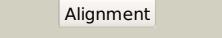
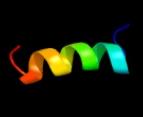
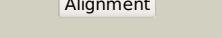
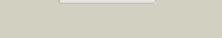
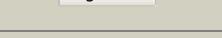


# Phyre<sup>2</sup>

Email	mdejesus@rockefeller.edu
Description	RVBD3724A_(cut5a)_4169645_4169887
Date	Fri Aug 9 18:20:42 BST 2019
Unique Job ID	05b3ea9bed201b2a

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	<a href="#">c4psdA_</a>			99.2	26	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> carbohydrate esterase family 5; <b>PDBTitle:</b> structure of trichoderma reesei cutinase native form.
2	<a href="#">c4oylC_</a>			98.9	39	<b>PDB header:</b> hydrolase <b>Chain:</b> C: <b>PDB Molecule:</b> cutinase; <b>PDBTitle:</b> humicola insolens cutinase in complex with monoethylphosphate
3	<a href="#">c2czqB_</a>			98.9	24	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> cutinase-like protein; <b>PDBTitle:</b> a novel cutinase-like protein from cryptococcus sp.
4	<a href="#">d1cexa_</a>			98.8	26	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Cutinase-like
5	<a href="#">c5x88A_</a>			98.8	41	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> cutinase; <b>PDBTitle:</b> a crystal structure of cutinases from malbranchea cinnamomea
6	<a href="#">c3gbsA_</a>			98.5	30	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> cutinase 1; <b>PDBTitle:</b> crystal structure of aspergillus oryzae cutinase
7	<a href="#">c3dd5F_</a>			98.4	39	<b>PDB header:</b> hydrolase <b>Chain:</b> F: <b>PDB Molecule:</b> cutinase; <b>PDBTitle:</b> glomerella cingulata e600-cutinase complex
8	<a href="#">d1goza_</a>			98.2	32	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Cutinase-like
9	<a href="#">d1g66a_</a>			98.1	34	<b>Fold:</b> alpha/beta-Hydrolases <b>Superfamily:</b> alpha/beta-Hydrolases <b>Family:</b> Cutinase-like
10	<a href="#">c3ajaA_</a>			97.8	29	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> putative uncharacterized protein; <b>PDBTitle:</b> crystal structure of msmeg_6394
11	<a href="#">c3hc7A_</a>			87.7	26	<b>PDB header:</b> cell adhesion <b>Chain:</b> A: <b>PDB Molecule:</b> gene 12 protein; <b>PDBTitle:</b> crystal structure of lysin b from mycobacteriophage d29

12	<a href="#">d2pv7a2</a>			18.7	56	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> 6-phosphogluconate dehydrogenase-like, N-terminal domain
13	<a href="#">d1jmsa4</a>			18.2	11	<b>Fold:</b> Nucleotidyltransferase <b>Superfamily:</b> Nucleotidyltransferase <b>Family:</b> DNA polymerase beta-like
14	<a href="#">c3ingA</a>			16.1	25	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> homoserine dehydrogenase; <b>PDBTitle:</b> crystal structure of homoserine dehydrogenase (np_394635.1) from thermoplasma acidophilum at 1.95 a resolution
15	<a href="#">c3b20R</a>			15.6	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> R: <b>PDB Molecule:</b> glyceraldehyde 3-phosphate dehydrogenase (nadp+); <b>PDBTitle:</b> crystal structure of glyceraldehyde-3-phosphate dehydrogenase2 complexed with nadf from synechococcus elongatus"
16	<a href="#">c1hdgO</a>			15.2	22	<b>PDB header:</b> oxidoreductase (aldehy(d)-nad(a)) <b>Chain:</b> O: <b>PDB Molecule:</b> holo-d-glyceraldehyde-3-phosphate dehydrogenase; <b>PDBTitle:</b> the crystal structure of holo-glyceraldehyde-3-phosphate dehydrogenase2 from the hyperthermophilic bacterium thermotoga maritima at 2.53 angstroms resolution
17	<a href="#">c5d5pC</a>			15.1	35	<b>PDB header:</b> transferase <b>Chain:</b> C: <b>PDB Molecule:</b> hgb; <b>PDBTitle:</b> hgb from methanococcus maripaludis
18	<a href="#">c2d2iO</a>			14.5	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> O: <b>PDB Molecule:</b> glyceraldehyde 3-phosphate dehydrogenase; <b>PDBTitle:</b> crystal structure of nadp-dependent glyceraldehyde-3-2 phosphate dehydrogenase from synechococcus sp. complexed3 with nadp+
19	<a href="#">c5e38D</a>			13.6	36	<b>PDB header:</b> transferase <b>Chain:</b> D: <b>PDB Molecule:</b> uracil phosphoribosyltransferase; <b>PDBTitle:</b> structural basis of mapping the spontaneous mutations with 5-2 fluorouracil in uracil phosphoribosyltransferase from mycobacterium3 tuberculosis
20	<a href="#">c3docD</a>			12.9	28	<b>PDB header:</b> oxidoreductase <b>Chain:</b> D: <b>PDB Molecule:</b> glyceraldehyde 3-phosphate dehydrogenase; <b>PDBTitle:</b> crystal structure of trka glyceraldehyde-3-phosphate dehydrogenase2 from brucella melitensis
21	<a href="#">d1i36a2</a>		not modelled	12.9	33	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> 6-phosphogluconate dehydrogenase-like, N-terminal domain
22	<a href="#">c1kdhA</a>		not modelled	12.4	11	<b>PDB header:</b> transferase/dna <b>Chain:</b> A: <b>PDB Molecule:</b> terminal deoxynucleotidyltransferase short <b>PDBTitle:</b> binary complex of murine terminal deoxynucleotidyl transferase with a primer single stranded dna
23	<a href="#">d1qb7a</a>		not modelled	12.1	15	<b>Fold:</b> PRTase-like <b>Superfamily:</b> PRTase-like <b>Family:</b> Phosphoribosyltransferases (PRTases)
24	<a href="#">c1cerC</a>		not modelled	12.1	28	<b>PDB header:</b> oxidoreductase (aldehyde(d)-nad(a)) <b>Chain:</b> C: <b>PDB Molecule:</b> holo-d-glyceraldehyde-3-phosphate dehydrogenase; <b>PDBTitle:</b> determinants of enzyme thermostability observed in the2 molecular structure of thermus aquaticus d-glyceraldehyde-3 3-phosphate dehydrogenase at 2.5 angstroms resolution
25	<a href="#">c3brcA</a>		not modelled	11.8	42	<b>PDB header:</b> structural genomics, unknown function <b>Chain:</b> A: <b>PDB Molecule:</b> conserved protein of unknown function; <b>PDBTitle:</b> crystal structure of a conserved protein of unknown function from methanobacterium thermoautotrophicum
26	<a href="#">c1b7gO</a>		not modelled	11.8	28	<b>PDB header:</b> oxidoreductase <b>Chain:</b> O: <b>PDB Molecule:</b> protein (glyceraldehyde 3-phosphate dehydrogenase); <b>PDBTitle:</b> glyceraldehyde 3-phosphate dehydrogenase
27	<a href="#">c2lepA</a>		not modelled	11.5	36	<b>PDB header:</b> hydrolase <b>Chain:</b> A: <b>PDB Molecule:</b> rhombo protease glpg 1; <b>PDBTitle:</b> solution structure of n-terminal cytosolic domain of rhomboid2 intramembrane protease from escherichia coli
						<b>PDB header:</b> transport protein

28	<a href="#">c5nc8B_</a>	Alignment	not modelled	11.4	28	<b>Chain:</b> B: <b>PDB Molecule:</b> potassium efflux system protein; <b>PDBTitle:</b> shewanella denitrificans kef ctd in amp bound form
29	<a href="#">d1ebfa1</a>	Alignment	not modelled	11.1	44	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> Glyceraldehyde-3-phosphate dehydrogenase-like, N-terminal domain
30	<a href="#">c3cieC_</a>	Alignment	not modelled	11.0	28	<b>PDB header:</b> oxidoreductase <b>Chain:</b> C: <b>PDB Molecule:</b> glyceraldehyde-3-phosphate dehydrogenase; <b>PDBTitle:</b> crystal structure of glyceraldehyde 3-phosphate2 dehydrogenase from cryptosporidium parvum
31	<a href="#">c2pv7B_</a>	Alignment	not modelled	11.0	50	<b>PDB header:</b> isomerase, oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> t-protein [includes: chorismate mutase (ec 5.4.99.5) (cm) <b>PDBTitle:</b> crystal structure of chorismate mutase / prephenate dehydrogenase2 (tyra) (1574749) from haemophilus influenzae rd at 2.00 a resolution
32	<a href="#">c2yjzC_</a>	Alignment	not modelled	10.9	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> C: <b>PDB Molecule:</b> metalloreductase steep4; <b>PDBTitle:</b> rat steep4 oxidoreductase domain complexed with nadp
33	<a href="#">c2rafC_</a>	Alignment	not modelled	10.8	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> C: <b>PDB Molecule:</b> putative dinucleotide-binding oxidoreductase; <b>PDBTitle:</b> crystal structure of putative dinucleotide-binding oxidoreductase2 (np_786167.1) from lactobacillus plantarum at 1.60 a resolution
34	<a href="#">c2yyB_</a>	Alignment	not modelled	10.4	38	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> glyceraldehyde-3-phosphate dehydrogenase; <b>PDBTitle:</b> crystal structure of glyceraldehyde-3-phosphate2 dehydrogenase
35	<a href="#">c2i5pO_</a>	Alignment	not modelled	10.3	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> O: <b>PDB Molecule:</b> glyceraldehyde-3-phosphate dehydrogenase 1; <b>PDBTitle:</b> crystal structure of glyceraldehyde-3-phosphate2 dehydrogenase isoform 1 from k. marxianus
36	<a href="#">c2f1kD_</a>	Alignment	not modelled	10.3	33	<b>PDB header:</b> oxidoreductase <b>Chain:</b> D: <b>PDB Molecule:</b> prephenate dehydrogenase; <b>PDBTitle:</b> crystal structure of synchocystis arogenate dehydrogenase
37	<a href="#">c4narA_</a>	Alignment	not modelled	10.3	16	<b>PDB header:</b> isomerase <b>Chain:</b> A: <b>PDB Molecule:</b> putative uronate isomerase; <b>PDBTitle:</b> crystal structure of the q9wys3 protein from thermotoga maritima.2 northeast structural genomics consortium target vr152
38	<a href="#">c2g5cD_</a>	Alignment	not modelled	10.2	44	<b>PDB header:</b> oxidoreductase <b>Chain:</b> D: <b>PDB Molecule:</b> prephenate dehydrogenase; <b>PDBTitle:</b> crystal structure of prephenate dehydrogenase from aquifex aeolicus
39	<a href="#">c1cf2Q_</a>	Alignment	not modelled	9.8	33	<b>PDB header:</b> oxidoreductase <b>Chain:</b> Q: <b>PDB Molecule:</b> protein (glyceraldehyde-3-phosphate dehydrogenase); <b>PDBTitle:</b> three-dimensional structure of d-glyceraldehyde-3-phosphate2 dehydrogenase from the hyperthermophilic archaeon methanothermus3 fervidus
40	<a href="#">c3eywA_</a>	Alignment	not modelled	9.7	29	<b>PDB header:</b> transport protein <b>Chain:</b> A: <b>PDB Molecule:</b> c-terminal domain of glutathione-regulated potassium-efflux <b>PDBTitle:</b> crystal structure of the c-terminal domain of e. coli kefc in complex2 with keff
41	<a href="#">c2pkrl_</a>	Alignment	not modelled	9.7	25	<b>PDB header:</b> oxidoreductase <b>Chain:</b> I: <b>PDB Molecule:</b> glyceraldehyde-3-phosphate dehydrogenase aor; <b>PDBTitle:</b> crystal structure of (a+cte)4 chimeric form of photosynthetic2 glyceraldehyde-3-phosphate dehydrogenase, complexed with nadp
42	<a href="#">c2ep7B_</a>	Alignment	not modelled	9.6	28	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> glyceraldehyde-3-phosphate dehydrogenase; <b>PDBTitle:</b> structural study of project id aq_1065 from aquifex aeolicus vf5
43	<a href="#">c1rm4O_</a>	Alignment	not modelled	9.2	25	<b>PDB header:</b> oxidoreductase <b>Chain:</b> O: <b>PDB Molecule:</b> glyceraldehyde 3-phosphate dehydrogenase a; <b>PDBTitle:</b> crystal structure of recombinant photosynthetic glyceraldehyde-3-2 phosphate dehydrogenase a4 isoform, complexed with nadp
44	<a href="#">c4qx6A_</a>	Alignment	not modelled	9.2	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> glyceraldehyde 3-phosphate dehydrogenase; <b>PDBTitle:</b> crystal structure of glyceraldehyde-3-phosphate dehydrogenase from streptococcus agalactiae nem316 at 2.46 angstrom resolution
45	<a href="#">d2jfga1</a>	Alignment	not modelled	9.2	32	<b>Fold:</b> MurCD N-terminal domain <b>Superfamily:</b> MurCD N-terminal domain <b>Family:</b> MurCD N-terminal domain
46	<a href="#">c5t8xA_</a>	Alignment	not modelled	9.0	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> prephenate dehydrogenase 1; <b>PDBTitle:</b> prephenate dehydrogenase from soybean
47	<a href="#">c4pg8B_</a>	Alignment	not modelled	8.7	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> homoserine dehydrogenase; <b>PDBTitle:</b> crystal structure of s. aureus homoserine dehydrogenase at ph8.5
48	<a href="#">d2ahra2</a>	Alignment	not modelled	8.2	17	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> 6-phosphogluconate dehydrogenase-like, N-terminal domain
49	<a href="#">c2b4rO_</a>	Alignment	not modelled	8.1	28	<b>PDB header:</b> oxidoreductase <b>Chain:</b> Q: <b>PDB Molecule:</b> glyceraldehyde-3-phosphate dehydrogenase; <b>PDBTitle:</b> crystal structure of glyceraldehyde-3-phosphate dehydrogenase from plasmodium falciparum at 2.25 angstrom

						resolution reveals intriguing3 extra electron density in the active site
50	<a href="#">c5ur0B_</a>		not modelled	7.6	28	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> glyceraldehyde-3-phosphate dehydrogenase; <b>PDBTitle:</b> crystallographic structure of glyceraldehyde-3-phosphate dehydrogenase2 from naegleria gruberi
51	<a href="#">c2czcD_</a>		not modelled	7.5	25	<b>PDB header:</b> oxidoreductase <b>Chain:</b> D: <b>PDB Molecule:</b> glyceraldehyde-3-phosphate dehydrogenase; <b>PDBTitle:</b> crystal structure of glyceraldehyde-3-phosphate dehydrogenase2 from pyrococcus horikoshii ot3
52	<a href="#">c3c85A_</a>		not modelled	7.5	35	<b>PDB header:</b> transport protein <b>Chain:</b> A: <b>PDB Molecule:</b> putative glutathione-regulated potassium-efflux system <b>PDBTitle:</b> crystal structure of trka domain of putative glutathione-regulated2 potassium-efflux kefb from vibrio parahaemolyticus
53	<a href="#">c4xb1B_</a>		not modelled	7.4	25	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> 319aa long hypothetical homoserine dehydrogenase; <b>PDBTitle:</b> hyperthermophilic archaeal homoserine dehydrogenase in complex with2 nadph
54	<a href="#">c5bseF_</a>		not modelled	7.4	17	<b>PDB header:</b> oxidoreductase <b>Chain:</b> F: <b>PDB Molecule:</b> pyrrolidine-5-carboxylate reductase; <b>PDBTitle:</b> crystal structure of medicago truncatula (delta)-1-pyrrolidine-5-2 carboxylate reductase (mtp5cr)
55	<a href="#">d2g5ca2</a>		not modelled	7.2	44	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> 6-phosphogluconate dehydrogenase-like, N-terminal domain
56	<a href="#">c3c8mA_</a>		not modelled	7.2	31	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> homoserine dehydrogenase; <b>PDBTitle:</b> crystal structure of homoserine dehydrogenase from thermoplasma2 volcanium
57	<a href="#">d1y60a_</a>		not modelled	7.1	14	<b>Fold:</b> Ribosomal protein S5 domain 2-like <b>Superfamily:</b> Ribosomal protein S5 domain 2-like <b>Family:</b> Formaldehyde-activating enzyme, FAE
58	<a href="#">c2izzE_</a>		not modelled	6.9	17	<b>PDB header:</b> oxidoreductase <b>Chain:</b> E: <b>PDB Molecule:</b> pyrrolidine-5-carboxylate reductase 1; <b>PDBTitle:</b> crystal structure of human pyrrolidine-5-carboxylate reductase
59	<a href="#">c4gbjB_</a>		not modelled	6.8	28	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> 6-phosphogluconate dehydrogenase nad-binding; <b>PDBTitle:</b> crystal structure of nad-binding 6-phosphogluconate dehydrogenase from2 dyadobacter fermentans
60	<a href="#">d1bd3a_</a>		not modelled	6.7	40	<b>Fold:</b> PRTase-like <b>Superfamily:</b> PRTase-like <b>Family:</b> Phosphoribosyltransferases (PRTases)
61	<a href="#">d2hmva1</a>		not modelled	6.7	41	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> Potassium channel NAD-binding domain
62	<a href="#">c3hq4R_</a>		not modelled	6.5	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> R: <b>PDB Molecule:</b> glyceraldehyde-3-phosphate dehydrogenase 1; <b>PDBTitle:</b> crystal structure of c151s mutant of glyceraldehyde-3-phosphate2 dehydrogenase 1 (gapdh1) complexed with nad from staphylococcus3 aureus mrsa252 at 2.2 angstrom resolution
63	<a href="#">c1ebuA_</a>		not modelled	6.5	44	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> homoserine dehydrogenase; <b>PDBTitle:</b> homoserine dehydrogenase complex with nad analogue and I-2 homoserine
64	<a href="#">c1s7cA_</a>		not modelled	6.3	22	<b>PDB header:</b> structural genomics, oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> glyceraldehyde 3-phosphate dehydrogenase a; <b>PDBTitle:</b> crystal structure of mes buffer bound form of glyceraldehyde 3-2 phosphate dehydrogenase from escherichia coli
65	<a href="#">c2x5kO_</a>		not modelled	6.3	39	<b>PDB header:</b> oxidoreductase <b>Chain:</b> O: <b>PDB Molecule:</b> d-erythrose-4-phosphate dehydrogenase; <b>PDBTitle:</b> structure of an active site mutant of the d-erythrose-4-phosphate2 dehydrogenase from e. coli
66	<a href="#">d1i5ea_</a>		not modelled	6.2	40	<b>Fold:</b> PRTase-like <b>Superfamily:</b> PRTase-like <b>Family:</b> Phosphoribosyltransferases (PRTases)
67	<a href="#">c6ok4A_</a>		not modelled	6.1	31	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> glyceraldehyde-3-phosphate dehydrogenase; <b>PDBTitle:</b> crystal structure of glyceraldehyde-3-phosphate dehydrogenase (gapdh)2 from chlamydia trachomatis with bound nad
68	<a href="#">c4ngkD_</a>		not modelled	6.1	26	<b>PDB header:</b> hydrolase/apoptosis <b>Chain:</b> D: <b>PDB Molecule:</b> probable atp-dependent rna helicase dd58; <b>PDBTitle:</b> structure of an ubiquitin complex
69	<a href="#">c5avoA_</a>		not modelled	5.9	38	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> homoserine dehydrogenase; <b>PDBTitle:</b> crystal structure of the reduced form of homoserine dehydrogenase from2 sulfolobus tokodaii.
70	<a href="#">d1b7go1</a>		not modelled	5.9	31	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> Glyceraldehyde-3-phosphate dehydrogenase-like, N-terminal domain
71	<a href="#">c3ktcdC_</a>		not modelled	5.8	28	<b>PDB header:</b> oxidoreductase <b>Chain:</b> C: <b>PDB Molecule:</b> prephenate dehydrogenase; <b>PDBTitle:</b> crystal structure of a putative prephenate dehydrogenase (cgl0226)2 from corynebacterium glutamicum atcc 13032 at 2.60 a resolution
72	<a href="#">d1v9sa1</a>		not modelled	5.8	40	<b>Fold:</b> PRTase-like <b>Superfamily:</b> PRTase-like <b>Family:</b> Phosphoribosyltransferases (PRTases)
						<b>PDB header:</b> oxidoreductase

73	<a href="#">c3triB</a>	Alignment	not modelled	5.7	28	<b>Chain:</b> B: <b>PDB Molecule:</b> pyrroline-5-carboxylate reductase; <b>PDBTitle:</b> structure of a pyrroline-5-carboxylate reductase (proc) from coxiella2 burnetii
74	<a href="#">c5b37A</a>	Alignment	not modelled	5.7	26	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> tryptophan dehydrogenase; <b>PDBTitle:</b> crystal structure of l-tryptophan dehydrogenase from nostoc2 punctiforme
75	<a href="#">c2ehjA</a>	Alignment	not modelled	5.6	40	<b>PDB header:</b> transferase <b>Chain:</b> A: <b>PDB Molecule:</b> uracil phosphoribosyltransferase; <b>PDBTitle:</b> structure of uracil phosphoribosyl transferase
76	<a href="#">d2zjrl1</a>	Alignment	not modelled	5.5	35	<b>Fold:</b> Ribonuclease H-like motif <b>Superfamily:</b> Translational machinery components <b>Family:</b> Ribosomal protein L18 and S11
77	<a href="#">c1ffvB</a>	Alignment	not modelled	5.5	33	<b>PDB header:</b> hydrolase <b>Chain:</b> B: <b>PDB Molecule:</b> crtl, molybdoprotein of carbon monoxide <b>PDBTitle:</b> carbon monoxide dehydrogenase from hydrogenophaga2 pseudoflava
78	<a href="#">d1qp8a1</a>	Alignment	not modelled	5.5	29	<b>Fold:</b> NAD(P)-binding Rossmann-fold domains <b>Superfamily:</b> NAD(P)-binding Rossmann-fold domains <b>Family:</b> Formate/glycerate dehydrogenases, NAD-domain
79	<a href="#">c2graA</a>	Alignment	not modelled	5.4	17	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> pyrroline-5-carboxylate reductase 1; <b>PDBTitle:</b> crystal structure of human pyrroline-5-carboxylate reductase complexed2 with nadp
80	<a href="#">c2rcyB</a>	Alignment	not modelled	5.4	17	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> pyrroline carboxylate reductase; <b>PDBTitle:</b> crystal structure of plasmodium falciparum pyrroline carboxylate2 reductase (mal13p1.284) with nadp bound
81	<a href="#">c2ejwB</a>	Alignment	not modelled	5.4	29	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> homoserine dehydrogenase; <b>PDBTitle:</b> homoserine dehydrogenase from thermus thermophilus hb8
82	<a href="#">c3llvA</a>	Alignment	not modelled	5.3	28	<b>PDB header:</b> nad(p) binding protein <b>Chain:</b> A: <b>PDB Molecule:</b> exopolyphosphatase-related protein; <b>PDBTitle:</b> the crystal structure of the nad(p)-binding domain of an2 exopolyphosphatase-related protein from archaeoglobus fulgidus to3 1.7a
83	<a href="#">d1xtta1</a>	Alignment	not modelled	5.3	40	<b>Fold:</b> PRTase-like <b>Superfamily:</b> PRTase-like <b>Family:</b> Phosphoribosyltransferases (PRTases)
84	<a href="#">c2ahrB</a>	Alignment	not modelled	5.3	17	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> putative pyrroline carboxylate reductase; <b>PDBTitle:</b> crystal structures of 1-pyrroline-5-carboxylate reductase from human2 pathogen streptococcus pyogenes
85	<a href="#">c3pduF</a>	Alignment	not modelled	5.3	33	<b>PDB header:</b> oxidoreductase <b>Chain:</b> F: <b>PDB Molecule:</b> 3-hydroxyisobutyrate dehydrogenase family protein; <b>PDBTitle:</b> crystal structure of gamma-hydroxybutyrate dehydrogenase from2 geobacter sulfurreducens in complex with nadp+
86	<a href="#">c6dzsD</a>	Alignment	not modelled	5.3	26	<b>PDB header:</b> oxidoreductase <b>Chain:</b> D: <b>PDB Molecule:</b> homoserine dehydrogenase; <b>PDBTitle:</b> mycobacterial homoserine dehydrogenase thra in complex with nadp
87	<a href="#">c5jyfB</a>	Alignment	not modelled	5.3	22	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> glyceraldehyde-3-phosphate dehydrogenase; <b>PDBTitle:</b> structures of streptococcus agalactiae gbs gapdh in different2 enzymatic states
88	<a href="#">d1o5oa</a>	Alignment	not modelled	5.2	40	<b>Fold:</b> PRTase-like <b>Superfamily:</b> PRTase-like <b>Family:</b> Phosphoribosyltransferases (PRTases)
89	<a href="#">c3b1fA</a>	Alignment	not modelled	5.2	17	<b>PDB header:</b> oxidoreductase <b>Chain:</b> A: <b>PDB Molecule:</b> putative prephenate dehydrogenase; <b>PDBTitle:</b> crystal structure of prephenate dehydrogenase from streptococcus2 mutans
90	<a href="#">c4e21B</a>	Alignment	not modelled	5.2	39	<b>PDB header:</b> oxidoreductase <b>Chain:</b> B: <b>PDB Molecule:</b> 6-phosphogluconate dehydrogenase (decarboxylating); <b>PDBTitle:</b> the crystal structure of 6-phosphogluconate dehydrogenase from2 geobacter metallireducens
91	<a href="#">d2gycm1</a>	Alignment	not modelled	5.1	35	<b>Fold:</b> Ribonuclease H-like motif <b>Superfamily:</b> Translational machinery components <b>Family:</b> Ribosomal protein L18 and S11