












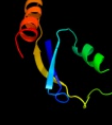

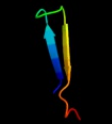



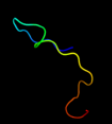

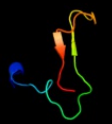

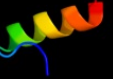




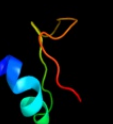
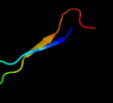



#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1yd2A_	 Alignment		99.9	33	PDB header: dna binding protein Chain: A: PDB Molecule: uvrc system protein c; PDBTitle: crystal structure of the giy-yig n-terminal endonuclease domain of 2 uvrc from thermotoga maritima: point mutant y19f bound to the 3 catalytic divalent cation
2	c1yd6A_	 Alignment		99.9	31	PDB header: dna binding protein Chain: A: PDB Molecule: uvrc; PDBTitle: crystal structure of the giy-yig n-terminal endonuclease 2 domain of uvrc from bacillus caldotenax
3	c2wshC_	 Alignment		99.9	23	PDB header: hydrolase Chain: C: PDB Molecule: endonuclease ii; PDBTitle: structure of bacteriophage t4 endoii e118a mutant
4	d1mk0a_	 Alignment		98.6	15	Fold: GIY-YIG endonuclease Superfamily: GIY-YIG endonuclease Family: GIY-YIG endonuclease
5	c3nicA_	 Alignment		96.8	26	PDB header: hydrolase/dna Chain: A: PDB Molecule: eco29kir; PDBTitle: dna binding and cleavage by the giy-yig endonuclease r.eco29ki2 inactive variant y49f
6	c1zg2A_	 Alignment		94.0	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical upf0213 protein bh0048; PDBTitle: solution nmr structure of the upf0213 protein bh0048 from 2 bacillus halodurans. northeast structural genomics target3 bhr2.
7	c1ywlA_	 Alignment		93.8	19	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical upf0213 protein ef2693; PDBTitle: solution nmr structure of the protein ef2693 from e.2 faecalis: northeast structural genomics consortium target3 efr36
8	d1pd0a4	 Alignment		68.5	25	Fold: Gelsolin-like Superfamily: C-terminal, gelsolin-like domain of Sec23/24 Family: C-terminal, gelsolin-like domain of Sec23/24
9	d1luta_	 Alignment		41.4	14	Fold: Ferredoxin-like Superfamily: Sporulation related repeat Family: Sporulation related repeat
10	d1xdpa4	 Alignment		38.0	33	Fold: Phospholipase D/nuclease Superfamily: Phospholipase D/nuclease Family: Polyphosphate kinase C-terminal domain
11	c2gj3A_	 Alignment		37.8	19	PDB header: transferase Chain: A: PDB Molecule: nitrogen fixation regulatory protein; PDBTitle: crystal structure of the fad-containing pas domain of the 2 protein nifl from azotobacter vinelandii.

12	d2o8ra4	Alignment		36.6	21	Fold: Phospholipase D/nuclease Superfamily: Phospholipase D/nuclease Family: Polyphosphate kinase C-terminal domain
13	c1x60A_	Alignment		34.5	14	PDB header: hydrolase Chain: A: PDB Molecule: sporulation-specific n-acetylmuramoyl-l-alanine PDBTitle: solution structure of the peptidoglycan binding domain of 2 b. subtilis cell wall lytic enzyme cwlc
14	c1pd0A_	Alignment		32.7	26	PDB header: transport protein Chain: A: PDB Molecule: protein transport protein sec24; PDBTitle: crystal structure of the copii coat subunit, sec24,2 complexed with a peptide from the snare protein sed53 (yeast syntaxin-5)
15	c2qkpD_	Alignment		31.8	28	PDB header: structural genomics, unknown function Chain: D: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of c-terminal domain of smu_1151c from streptococcus2 mutants
16	c2rivB_	Alignment		30.7	33	PDB header: signaling protein Chain: B: PDB Molecule: thyroxine-binding globulin; PDBTitle: crystal structure of the reactive loop cleaved human thyroxine binding2 globulin
17	c3eqxB_	Alignment		28.2	25	PDB header: protein transport Chain: B: PDB Molecule: protein transport protein sec24a; PDBTitle: crystal structure of the mammalian copii-coat protein2 sec23a/24a complexed with the snare protein sec22b and3 bound to the transport signal sequence of the snare protein4 bet1
18	c3luqC_	Alignment		27.4	24	PDB header: transferase Chain: C: PDB Molecule: sensor protein; PDBTitle: the crystal structure of a pas domain from a sensory box2 histidine kinase regulator from geobacter sulfurreducens to3 2.5a
19	c3eh2B_	Alignment		27.2	30	PDB header: protein transport Chain: B: PDB Molecule: protein transport protein sec24c; PDBTitle: crystal structure of the human copii-coat protein sec24c
20	c1m2vB_	Alignment		26.8	25	PDB header: protein transport Chain: B: PDB Molecule: protein transport protein sec24; PDBTitle: crystal structure of the yeast sec23/24 heterodimer
21	c3eg9B_	Alignment	not modelled	26.5	30	PDB header: protein transport Chain: B: PDB Molecule: sec24 related gene family, member d; PDBTitle: crystal structure of the mammalian copii-coat protein2 sec23/24 bound to the transport signal sequence of membrin
22	c1hleB_	Alignment	not modelled	25.4	13	PDB header: hydrolase inhibitor (serine proteinase) Chain: B: PDB Molecule: horse leukocyte elastase inhibitor; PDBTitle: crystal structure of cleaved equine leukocyte elastase2 inhibitor determined at 1.95 angstroms resolution
23	c1xdoB_	Alignment	not modelled	23.0	33	PDB header: transferase Chain: B: PDB Molecule: polyphosphate kinase; PDBTitle: crystal structure of escherichia coli polyphosphate kinase
24	d1gccA_	Alignment	not modelled	20.8	33	Fold: DNA-binding domain Superfamily: DNA-binding domain Family: GCC-box binding domain
25	c2o8rA_	Alignment	not modelled	20.4	21	PDB header: transferase Chain: A: PDB Molecule: polyphosphate kinase; PDBTitle: crystal structure of polyphosphate kinase from2 porphyromonas gingivalis
26	c3mxqC_	Alignment	not modelled	20.1	13	PDB header: transferase Chain: C: PDB Molecule: sensor protein; PDBTitle: crystal structure of sensory box sensor histidine kinase from vibrio2 cholerae
27	c3mr0B_	Alignment	not modelled	20.1	10	PDB header: transcription regulator Chain: B: PDB Molecule: sensory box histidine kinase/response regulator; PDBTitle: crystal structure of sensory box histidine kinase/response regulator2 from burkholderia thailandensis e264
28	d1glpa_	Alignment	not modelled	19.7	71	Fold: Knottins (small inhibitors, toxins, lectins) Superfamily: omega toxin-like Family: Conotoxin

29	c1jjoE_	Alignment	not modelled	18.7	25	PDB header: signaling protein Chain: E: PDB Molecule: neuroserpin; PDBTitle: crystal structure of mouse neuroserpin (cleaved form)
30	c2jheB_	Alignment	not modelled	18.6	17	PDB header: transcription Chain: B: PDB Molecule: transcription regulator tyrr; PDBTitle: n-terminal domain of tyrr transcription factor (residues 1-2 190)
31	d1nwza_	Alignment	not modelled	17.8	15	Fold: Profilin-like Superfamily: PYP-like sensor domain (PAS domain) Family: PYP-like
32	d1lkta_	Alignment	not modelled	17.6	29	Fold: Head-binding domain of phage P22 tailspike protein Superfamily: Head-binding domain of phage P22 tailspike protein Family: Head-binding domain of phage P22 tailspike protein
33	c2w0nA_	Alignment	not modelled	17.0	17	PDB header: transferase Chain: A: PDB Molecule: sensor protein dcus; PDBTitle: plasticity of pas domain and potential role for signal2 transduction in the histidine-kinase dcus
34	c3f02C_	Alignment	not modelled	16.9	17	PDB header: hydrolase inhibitor Chain: C: PDB Molecule: neuroserpin; PDBTitle: cleaved human neuroserpin
35	c3mfxA_	Alignment	not modelled	16.8	14	PDB header: transcription Chain: A: PDB Molecule: sensory box/ggdef family protein; PDBTitle: crystal structure of the sensory box domain of the sensory-2 box/ggdef protein so_1695 from shewanella oneidensis,3 northeast structural genomics consortium target sor288b
36	c2h4qB_	Alignment	not modelled	15.8	13	PDB header: hydrolase inhibitor Chain: B: PDB Molecule: heterochromatin-associated protein ment; PDBTitle: crystal structure of a m-loop deletion variant of ment in2 the cleaved conformation
37	c9paiB_	Alignment	not modelled	15.3	19	PDB header: hydrolase inhibitor Chain: B: PDB Molecule: protein (plasminogen activator inhibitor-1) residues 365- PDBTitle: cleaved substrate variant of plasminogen activator inhibitor-1
38	d1v9ya_	Alignment	not modelled	15.0	19	Fold: Profilin-like Superfamily: PYP-like sensor domain (PAS domain) Family: Heme-binding PAS domain
39	c1v9yA_	Alignment	not modelled	15.0	19	PDB header: signaling protein Chain: A: PDB Molecule: heme pas sensor protein; PDBTitle: crystal structure of the heme pas sensor domain of ec dos (ferric2 form)
40	c1f0cB_	Alignment	not modelled	15.0	20	PDB header: viral protein Chain: B: PDB Molecule: ice inhibitor; PDBTitle: structure of the viral serpin crma
41	d2gjva1	Alignment	not modelled	14.8	27	Fold: Phage tail protein-like Superfamily: Phage tail protein-like Family: STM4215-like
42	c3gr1A_	Alignment	not modelled	14.4	15	PDB header: membrane protein Chain: A: PDB Molecule: protein prgh; PDBTitle: periplasmic domain of the t3ss inner membrane protein prgh2 from s.typhimurium (fragment 170-392)
43	c2gvfF_	Alignment	not modelled	13.8	27	PDB header: structural genomics, unknown function Chain: F: PDB Molecule: putative cytoplasmic protein; PDBTitle: crystal structure of a protein of unknown function from salmonella2 typhimurium
44	c1yyIM_	Alignment	not modelled	13.8	56	PDB header: viral protein/immune system Chain: M: PDB Molecule: cd4m33, scorpion-toxin mimic of cd4; PDBTitle: crystal structure of cd4m33, a scorpion-toxin mimic of cd4, in complex2 with hiv-1 yu2 gp120 envelope glycoprotein and anti-hiv-1 antibody3 17b
45	c1yyIS_	Alignment	not modelled	13.7	56	PDB header: viral protein/immune system Chain: S: PDB Molecule: cd4m33, scorpion-toxin mimic of cd4; PDBTitle: crystal structure of cd4m33, a scorpion-toxin mimic of cd4, in complex2 with hiv-1 yu2 gp120 envelope glycoprotein and anti-hiv-1 antibody3 17b
46	c2r78D_	Alignment	not modelled	13.2	11	PDB header: transferase Chain: D: PDB Molecule: sensor protein; PDBTitle: crystal structure of a domain of the sensory box sensor2 histidine kinase/response regulator from geobacter3 sulfurreducens
47	c7apiB_	Alignment	not modelled	12.9	33	PDB header: proteinase inhibitor Chain: B: PDB Molecule: alpha 1-antitrypsin; PDBTitle: the s variant of human alpha1-antitrypsin, structure and implications2 for function and metabolism
48	c3eg9A_	Alignment	not modelled	12.4	14	PDB header: protein transport Chain: A: PDB Molecule: protein transport protein sec23a; PDBTitle: crystal structure of the mammalian copii-coat protein2 sec23/24 bound to the transport signal sequence of membrin
49	c2vkyB_	Alignment	not modelled	12.2	29	PDB header: viral protein Chain: B: PDB Molecule: tail protein, piigcn4; PDBTitle: headbinding domain of phage p22 tailspike c-terminally2 fused to isoleucine zipper piigcn4 (chimera i)
50	c3mjgB_	Alignment	not modelled	12.1	15	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of the pas domain of q24qt8_deshy protein from2 desulfitobacterium hafniense. northeast structural genomics3 consortium target dhr85c.
51	d2fcja1	Alignment	not modelled	11.8	16	Fold: Toprim domain Superfamily: Toprim domain Family: Toprim domain
52	d1d0na6	Alignment	not modelled	11.1	19	Fold: Gelsolin-like Superfamily: Actin depolymerizing proteins Family: Gelsolin-like
53	c2i9nA_	Alignment	not modelled	9.8	22	PDB header: de novo protein Chain: A: PDB Molecule: mhb4a peptide; PDBTitle: design of bivalent miniprotein consisting of two2

						independent elements, a b-hairpin peptide and a-helix3 peptide, tethered by four glycines
54	d2omoa1	Alignment	not modelled	9.6	9	Fold: Ferredoxin-like Superfamily: Dimeric alpha+beta barrel Family: PA3566-like
55	d1svya	Alignment	not modelled	9.1	10	Fold: Gelsolin-like Superfamily: Actin depolymerizing proteins Family: Gelsolin-like
56	c3c7tB	Alignment	not modelled	9.0	13	PDB header: hydrolase Chain: B: PDB Molecule: ecdysteroid-phosphate phosphatase; PDBTitle: crystal structure of the ecdysone phosphate phosphatase, eppase, from2 bombix mori in complex with tungstate
57	c2dnaA	Alignment	not modelled	9.0	18	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: unnamed protein product; PDBTitle: solution structure of rsgi ruh-056, a uba domain from mouse2 cdna
58	c3l14B	Alignment	not modelled	9.0	27	PDB header: hydrolase Chain: B: PDB Molecule: uncharacterized protein ykr043c; PDBTitle: structure of the h13a mutant of ykr043c in complex with fructose-1,6-2 bisphosphate
59	d2axtb1	Alignment	not modelled	8.9	20	Fold: Photosystem II antenna protein-like Superfamily: Photosystem II antenna protein-like Family: Photosystem II antenna protein-like
60	c2i9oA	Alignment	not modelled	8.8	22	PDB header: de novo protein Chain: A: PDB Molecule: mhb8a peptide; PDBTitle: design of bivalent miniprotein consisting of two2 independent elements, a b-hairpin peptide and a-helix3 peptide, tethered by eight glycines
61	c1vddC	Alignment	not modelled	8.6	39	PDB header: recombination Chain: C: PDB Molecule: recombination protein recr; PDBTitle: crystal structure of recombinational repair protein recr
62	c3eehA	Alignment	not modelled	8.5	13	PDB header: transferase Chain: A: PDB Molecule: putative light and redox sensing histidine kinase; PDBTitle: the crystal structure of the domain of the putative light and redox2 sensing histidine kinase from haloarcula marismortui
63	d2fh1a3	Alignment	not modelled	8.4	13	Fold: Gelsolin-like Superfamily: Actin depolymerizing proteins Family: Gelsolin-like
64	c3d4iD	Alignment	not modelled	7.9	16	PDB header: hydrolase Chain: D: PDB Molecule: sts-2 protein; PDBTitle: crystal structure of the 2h-phosphatase domain of sts-2
65	d1jr3d2	Alignment	not modelled	7.9	43	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Extended AAA-ATPase domain
66	c3q5dA	Alignment	not modelled	7.9	5	PDB header: hydrolase Chain: A: PDB Molecule: atlastin-1; PDBTitle: crystal structure of human atlastin-1 (residues 1-447) bound to gdp,2 crystal form 1
67	d1oj4a2	Alignment	not modelled	7.8	18	Fold: Ferredoxin-like Superfamily: GHMP Kinase, C-terminal domain Family: 4-(cytidine 5'-di-phospho)-2C-methyl-D-erythritol kinase lspE
68	d1cuoa	Alignment	not modelled	7.8	9	Fold: Cupredoxin-like Superfamily: Cupredoxins Family: Plastocyanin/azurin-like
69	c1ml1A	Alignment	not modelled	7.7	21	PDB header: blood clotting Chain: A: PDB Molecule: fibrinogen alpha subunit; PDBTitle: crystal structure of native chicken fibrinogen with two different2 bound ligands
70	d2axwa1	Alignment	not modelled	7.5	14	Fold: Common fold of diphtheria toxin/transcription factors/cytochrome f Superfamily: Bacterial adhesins Family: Pilus subunits
71	c3caxA	Alignment	not modelled	7.5	24	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein pf0695; PDBTitle: crystal structure of uncharacterized protein pf0695
72	c2ikqA	Alignment	not modelled	7.4	15	PDB header: signaling protein, immune system Chain: A: PDB Molecule: suppressor of t-cell receptor signaling 1; PDBTitle: crystal structure of mouse sts-1 pgm domain in complex with phosphate
73	d1b2pa	Alignment	not modelled	7.4	25	Fold: beta-Prism II Superfamily: alpha-D-mannose-specific plant lectins Family: alpha-D-mannose-specific plant lectins
74	d2ga9d1	Alignment	not modelled	7.3	21	Fold: Poly(A) polymerase catalytic subunit-like Superfamily: Poly(A) polymerase catalytic subunit-like Family: Poxvirus poly(A) polymerase catalytic subunit-like
75	d1mbya	Alignment	not modelled	7.2	29	Fold: Polo-box domain Superfamily: Polo-box domain Family: Swapped Polo-box domain
76	c3knuD	Alignment	not modelled	7.1	21	PDB header: transferase Chain: D: PDB Molecule: trna (guanine-n(1)-)-methyltransferase; PDBTitle: crystal structure of trna (guanine-n1)-methyltransferase from2 anaplasma phagocytophilum
77	d1x6va1	Alignment	not modelled	7.1	24	Fold: PUA domain-like Superfamily: PUA domain-like Family: ATP sulfurylase N-terminal domain
78	c3quvB	Alignment	not modelled	7.0	29	PDB header: transferase Chain: B: PDB Molecule: trna (guanine-n(1)-)-methyltransferase; PDBTitle: crystal structure of a trna-guanine-n1-methyltransferase from2 mycobacterium abscessus
79	d1p9pa	Alignment	not modelled	7.0	29	Fold: alpha/beta knot Superfamily: alpha/beta knot

					Family: tRNA(m1G37)-methyltransferase TrmD
80	d1fzta_	Alignment	not modelled	7.0	18 Fold: Phosphoglycerate mutase-like Superfamily: Phosphoglycerate mutase-like Family: Cofactor-dependent phosphoglycerate mutase
81	d2pp4a1	Alignment	not modelled	6.9	17 Fold: TAFH domain-like Superfamily: TAFH domain-like Family: TAFH domain-like
82	d2cvba1	Alignment	not modelled	6.8	33 Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Glutathione peroxidase-like
83	d1uala_	Alignment	not modelled	6.8	36 Fold: alpha/beta knot Superfamily: alpha/beta knot Family: tRNA(m1G37)-methyltransferase TrmD
84	d1pvda1	Alignment	not modelled	6.7	14 Fold: DHS-like NAD/FAD-binding domain Superfamily: DHS-like NAD/FAD-binding domain Family: Pyruvate oxidase and decarboxylase, middle domain
85	c2hpaA_	Alignment	not modelled	6.6	26 PDB header: luminescent protein Chain: A: PDB Molecule: green fluorescent protein; PDBTitle: green fluorescent protein from clytia gregaria
86	c2fvnA_	Alignment	not modelled	6.4	15 PDB header: cell adhesion Chain: A: PDB Molecule: protein afad; PDBTitle: the fibrillar tip complex of the afa/dr adhesins from2 pathogen e. coli displays synergistic binding to 5 1 and v3 3 integrins
87	c2kvcA_	Alignment	not modelled	6.4	22 PDB header: unknown function Chain: A: PDB Molecule: putative uncharacterized protein; PDBTitle: solution nmr structure of the mycobacterium tuberculosis protein rv0543c,2 a member of the duf3349 superfamily. seattle structural genomics3 center for infectious disease target mytud.17112.a
88	c2kpmA_	Alignment	not modelled	6.3	28 PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution nmr structure of uncharacterized protein from gene2 locus ne0665 of nitrosomonas europaea. northeast structural3 genomics target ner103a
89	c2c9wA_	Alignment	not modelled	6.2	33 PDB header: transcription regulation Chain: A: PDB Molecule: suppressor of cytokine signaling 2; PDBTitle: crystal structure of socs-2 in complex with elongin-b and2 elongin-c at 1.9a resolution
90	c3ky7A_	Alignment	not modelled	6.2	29 PDB header: transferase Chain: A: PDB Molecule: trna (guanine-n(1)-)-methyltransferase; PDBTitle: 2.35 angstrom resolution crystal structure of a putative trna2 (guanine-7-)-methyltransferase (trmd) from staphylococcus aureus3 subsp. aureus mrsa252
91	d1sq5a_	Alignment	not modelled	6.1	16 Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Phosphoribulokinase/pantothenate kinase
92	c2kpgA_	Alignment	not modelled	6.1	15 PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: nmr structure of agrobacterium tumefaciens protein atu1219:2 northeast structural genomics consortium target att14
93	d2fe0a1	Alignment	not modelled	5.8	28 Fold: Smp-1-like Superfamily: Smp-1-like Family: Smp-1-like
94	d1udsa2	Alignment	not modelled	5.7	30 Fold: Ribonuclease PH domain 2-like Superfamily: Ribonuclease PH domain 2-like Family: Ribonuclease PH domain 2-like
95	c3p3dA_	Alignment	not modelled	5.6	14 PDB header: nuclear protein Chain: A: PDB Molecule: nucleoporin 53; PDBTitle: crystal structure of the nup53 rrm domain from pichia guilliermondii
96	d2bw0a1	Alignment	not modelled	5.6	14 Fold: FMT C-terminal domain-like Superfamily: FMT C-terminal domain-like Family: Post formyltransferase domain
97	d1npha2	Alignment	not modelled	5.5	7 Fold: Gelsolin-like Superfamily: Actin depolymerizing proteins Family: Gelsolin-like
98	d1bifa2	Alignment	not modelled	5.5	29 Fold: Phosphoglycerate mutase-like Superfamily: Phosphoglycerate mutase-like Family: 6-phosphofructo-2-kinase/fructose-2,6-bisphosphatase, phosphatase domain
99	d1vdda_	Alignment	not modelled	5.4	39 Fold: Recombination protein RecR Superfamily: Recombination protein RecR Family: Recombination protein RecR