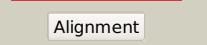
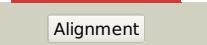
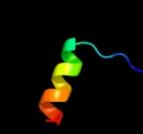
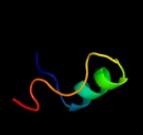
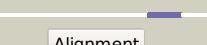
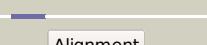


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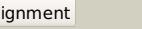
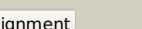
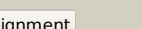
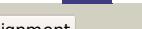
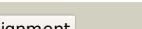
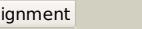
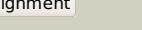
Email	mdejesus@rockefeller.edu
Description	RVBD3866_(-)_4342058_4342909
Date	Sat Aug 10 22:05:05 BST 2019
Unique Job ID	f096195a68ebc5bb

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c5vbaA			100.0	80	PDB header: chaperone, hydrolase Chain: A: PDB Molecule: lysozyme, esx-1 secretion-associated protein espG1 chimera; PDBTitle: structure of espG1 chaperone from the type vii (esx-1) secretion2 system determined with the assistance of n-terminal t4 lysozyme3 fusion
2	c4l4wB			100.0	27	PDB header: protein transport Chain: B: PDB Molecule: espG3; PDBTitle: structure of espG3 chaperone from the type vii (esx-3) secretion2 system
3	c4w4iA			100.0	24	PDB header: protein transport Chain: A: PDB Molecule: esx-3 secretion-associated protein espG3; PDBTitle: crystal structure of espG3 from the esx-3 type vii secretion system of m. tuberculosis
4	c4kxrC			100.0	23	PDB header: protein transport Chain: C: PDB Molecule: espG5; PDBTitle: structure of the mycobacterium tuberculosis type vii secretion system2 chaperone espG5 in complex with pe25-ppe41 dimer
5	c4rcIB			100.0	28	PDB header: chaperone Chain: B: PDB Molecule: espG3; PDBTitle: structure of espG3 chaperone from the type vii (esx-3) secretion2 system, space group p43212
6	c2l3aA			19.6	12	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution nmr structure of homodimer protein sp_0782 (7-79) from streptococcus pneumoniae northeast structural genomics consortium target spr104 .
7	c5w4zA			16.1	23	PDB header: flavoprotein Chain: A: PDB Molecule: riboflavin lyase; PDBTitle: crystal structure of riboflavin lyase (rcae) with modified fmn and2 substrate riboflavin
8	c3u5gK			15.0	24	PDB header: ribosome Chain: K: PDB Molecule: 40s ribosomal protein s10-a; PDBTitle: the structure of the eukaryotic ribosome at 3.0 a resolution. this2 entry contains proteins of the 40s subunit, ribosome b
9	c2v4oB			14.3	23	PDB header: hydrolase Chain: B: PDB Molecule: multifunctional protein sur e; PDBTitle: crystal structure of salmonella typhimurium sur e at 2.752 angstrom resolution in monoclinic form
10	d1qnta1			13.3	21	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Methylated DNA-protein cysteine methyltransferase, C-terminal domain Family: Methylated DNA-protein cysteine methyltransferase, C-terminal domain
11	c3pm7A			12.4	13	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of ef_3132 protein from enterococcus faecalis at the2 resolution 2a, northeast structural genomics consortium target efr184

12	c4u5pA			12.0	26	PDB header: isomerase Chain: A: PDB Molecule: rhcc; PDBTitle: crystal structure of native rhcc (yp_702633.1) from rhodococcus jostii2 rha1 at 1.78 angstrom
13	c2ltdA			11.7	19	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein ydbc; PDBTitle: solution nmr structure of apo ydbc from lactococcus lactis, northeast2 structural genomics consortium (nesg) target kr150
14	c2vxhF			10.0	6	PDB header: oxidoreductase Chain: F: PDB Molecule: chlorite dismutase; PDBTitle: the crystal structure of chlorite dismutase: a detox enzyme2 producing molecular oxygen
15	d1g26a			9.2	63	Fold: Knottins (small inhibitors, toxins, lectins) Superfamily: Granulin repeat Family: Granulin repeat
16	c3obhA			8.9	13	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: x-ray crystal structure of protein sp_0782 (7-79) from streptococcus2 pneumoniae. northeast structural genomics consortium target spr104
17	c5craB			8.7	43	PDB header: hydrolase Chain: B: PDB Molecule: sdea; PDBTitle: structure of the sdea dub domain
18	c3jcmK			8.5	17	PDB header: transcription Chain: K: PDB Molecule: u4/u6 small nuclear ribonucleoprotein prp3; PDBTitle: cryo-em structure of the spliceosomal u4/u6.u5 tri-snrrp
19	c2x5kO			8.4	18	PDB header: oxidoreductase Chain: O: PDB Molecule: d-erythrose-4-phosphate dehydrogenase; PDBTitle: structure of an active site mutant of the d-erythrose-4-phosphate2 dehydrogenase from e. coli
20	c4dibF			8.3	18	PDB header: oxidoreductase Chain: F: PDB Molecule: glyceraldehyde 3-phosphate dehydrogenase; PDBTitle: the crystal structure of glyceraldehyde-3-phosphate dehydrogenase from2 bacillus anthracis str. sterne
21	c5jyfB		not modelled	8.3	9	PDB header: oxidoreductase Chain: B: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: structures of streptococcus agalactiae gbs gapdh in different2 enzymatic states
22	c5a13J		not modelled	8.1	9	PDB header: oxidoreductase Chain: J: PDB Molecule: chlorite dismutase; PDBTitle: crystal structure of chlorite dismutase from2 magnetospirillum sp. in complex with thiocyanate
23	c2kimA		not modelled	8.0	10	PDB header: transferase Chain: A: PDB Molecule: o6-methylguanine-dna methyltransferase; PDBTitle: 1.7-mm microcryoprobe solution nmr structure of an o6-methylguanine2 dna methyltransferase family protein from vibrio parahaemolyticus.3 northeast structural genomics consortium target vpr247.
24	c2i5pO		not modelled	7.9	18	PDB header: oxidoreductase Chain: O: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase 1; PDBTitle: crystal structure of glyceraldehyde-3-phosphate2 dehydrogenase isoform 1 from k. marxianus
25	c4qx6A		not modelled	7.8	9	PDB header: oxidoreductase Chain: A: PDB Molecule: glyceraldehyde 3-phosphate dehydrogenase; PDBTitle: crystal structure of glyceraldehyde-3-phosphate dehydrogenase from2 streptococcus agalactiae nem316 at 2.46 angstrom resolution
26	c1obfO		not modelled	7.6	18	PDB header: glycolytic pathway Chain: O: PDB Molecule: glyceraldehyde 3-phosphate dehydrogenase; PDBTitle: the crystal structure of glyceraldehyde 3-phosphate2 dehydrogenase from alcaligenes xylosoxidans at 1.7 a3 resolution. PDB header: oxidoreductase

27	c5ur0B		not modelled	7.5	18	Chain: B: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: crystallographic structure of glyceraldehyde-3-phosphate dehydrogenase2 from naegleria gruberi
28	c3hq4R		not modelled	7.4	18	PDB header: oxidoreductase Chain: R: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase 1; PDBTitle: crystal structure of c151s mutant of glyceraldehyde-3-phosphate2 dehydrogenase 1 (gapdh1) complexed with nad from staphylococcus3 aureus mrsa252 at 2.2 angstrom resolution
29	c1s7cA		not modelled	7.4	18	PDB header: structural genomics, oxidoreductase Chain: A: PDB Molecule: glyceraldehyde 3-phosphate dehydrogenase a; PDBTitle: crystal structure of mes buffer bound form of glyceraldehyde 3-phosphate dehydrogenase from escherichia coli
30	c5ld5C		not modelled	7.4	9	PDB header: oxidoreductase Chain: C: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: crystal structure of a bacterial dehydrogenase at 2.19 angstroms2 resolution
31	c2b4rQ		not modelled	7.4	18	PDB header: oxidoreductase Chain: Q: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: crystal structure of glyceraldehyde-3-phosphate dehydrogenase from2 plasmid falciparum at 2.25 angstrom resolution reveals intriguing3 extra electron density in the active site
32	c3c6vB		not modelled	7.3	22	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: probable tautomerase/dehalogenase au4130; PDBTitle: crystal structure of au4130/apc7354, a probable enzyme from the2 thermophilic fungus aspergillus fumigatus
33	c3h9eO		not modelled	7.3	18	PDB header: oxidoreductase Chain: O: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase, testis-specific; PDBTitle: crystal structure of human sperm-specific glyceraldehyde-3-phosphate2 dehydrogenase (gapsd) complex with nad and phosphate
34	c2ep7B		not modelled	7.3	27	PDB header: oxidoreductase Chain: B: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: structural study of project id aq_1065 from aquifex aeolicus vf5
35	c3cieC		not modelled	7.2	18	PDB header: oxidoreductase Chain: C: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: crystal structure of glyceraldehyde 3-phosphate2 dehydrogenase from cryptosporidium parvum
36	c1hdgO		not modelled	7.2	27	PDB header: oxidoreductase (aldehy(d)-nad(a)) Chain: O: PDB Molecule: holo-d-glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: the crystal structure of holo-glyceraldehyde-3-phosphate dehydrogenase2 from the hyperthermophilic bacterium thermotoga maritima at 2.53 angstroms resolution
37	c2d2iO		not modelled	7.0	18	PDB header: oxidoreductase Chain: O: PDB Molecule: glyceraldehyde 3-phosphate dehydrogenase; PDBTitle: crystal structure of nadp-dependent glyceraldehyde-3-2 phosphate dehydrogenase from synechococcus sp. complexed3 with nadp+
38	c1cerC		not modelled	7.0	18	PDB header: oxidoreductase (aldehyde(d)-nad(a)) Chain: C: PDB Molecule: holo-d-glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: determinants of enzyme thermostability observed in the2 molecular structure of thermus aquaticus d-glyceraldehyde-3 3-phosphate dehydrogenase at 2.5 angstroms resolution
39	c5j9gB		not modelled	7.0	9	PDB header: oxidoreductase Chain: B: PDB Molecule: glyceraldehyde-3-p dehydrogenase; PDBTitle: structure of lactobacillus acidophilus glyceraldehyde-3-phosphate2 dehydrogenase at 2.21 angstrom resolution
40	c3docD		not modelled	6.9	18	PDB header: oxidoreductase Chain: D: PDB Molecule: glyceraldehyde 3-phosphate dehydrogenase; PDBTitle: crystal structure of trka glyceraldehyde-3-phosphate dehydrogenase2 from brucella melitensis
41	c2pkrl		not modelled	6.9	18	PDB header: oxidoreductase Chain: I: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase aor; PDBTitle: crystal structure of (a+cte)4 chimeric form of photosynthetic2 glyceraldehyde-3-phosphate dehydrogenase, complexed with nadp
42	d1ea0a3		not modelled	6.9	18	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Class II glutamine amidotransferases
43	c3b20R		not modelled	6.9	18	PDB header: oxidoreductase Chain: R: PDB Molecule: glyceraldehyde 3-phosphate dehydrogenase (nadp+); PDBTitle: crystal structure of glyceraldehyde-3-phosphate dehydrogenase2 complexed with nadfrom synechococcus elongatus"
44	c1ihxD		not modelled	6.8	18	PDB header: oxidoreductase Chain: D: PDB Molecule: glyceraldehyde 3-phosphate dehydrogenase; PDBTitle: crystal structure of two d-glyceraldehyde-3-phosphate2 dehydrogenase complexes: a case of asymmetry
45	c6ok4A		not modelled	6.8	18	PDB header: oxidoreductase Chain: A: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: crystal structure of glyceraldehyde-3-phosphate dehydrogenase (gapdh)2 from chlamydia trachomatis with bound nad
						PDB header: oxidoreductase Chain: O: PDB Molecule: glyceraldehyde 3-phosphate

46	c1rm4O_	 Alignment	not modelled	6.7	18	dehydrogenase a; PDBTitle: crystal structure of recombinant photosynthetic glyceraldehyde-3-2 phosphate dehydrogenase a4 isoform, complexed with nadp
47	c2gfqC_	 Alignment	not modelled	6.7	24	PDB header: structural genomics, unknown function Chain: C: PDB Molecule: upf0204 protein ph0006; PDBTitle: structure of protein of unknown function ph0006 from pyrococcus horikoshii
48	c1i32D_	 Alignment	not modelled	6.7	9	PDB header: oxidoreductase Chain: D: PDB Molecule: glyceraldehyde 3-phosphate dehydrogenase; PDBTitle: leishmania mexicana glyceraldehyde-3-phosphate dehydrogenase in complex with inhibitors
49	c3hjaB_	 Alignment	not modelled	6.7	18	PDB header: oxidoreductase Chain: B: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: crystal structure of glyceraldehyde-3-phosphate dehydrogenase from2 borrelia burgdorferi
50	c4rdkB_	 Alignment	not modelled	6.3	21	PDB header: viral protein Chain: B: PDB Molecule: capsid; PDBTitle: crystal structure of norovirus boxer p domain in complex with lewis b2 tetrasaccharide
51	c3i4jC_	 Alignment	not modelled	6.3	16	PDB header: transferase Chain: C: PDB Molecule: aminotransferase, class iii; PDBTitle: crystal structure of aminotransferase, class iii from deinococcus2 radiodurans
52	c3sthA_	 Alignment	not modelled	6.3	18	PDB header: oxidoreductase Chain: A: PDB Molecule: glyceraldehyde-3-phosphate dehydrogenase; PDBTitle: crystal structure of glyceraldehyde-3-phosphate dehydrogenase from2 toxoplasma gondii
53	d1l3ac_	 Alignment	not modelled	6.2	26	Fold: ssDNA-binding transcriptional regulator domain Superfamily: ssDNA-binding transcriptional regulator domain Family: Plant transcriptional regulator PBF-2
54	d2glia4	 Alignment	not modelled	6.2	31	Fold: beta-beta-alpha zinc fingers Superfamily: beta-beta-alpha zinc fingers Family: Classic zinc finger, C2H2
55	c4gyjD_	 Alignment	not modelled	6.0	15	PDB header: oxidoreductase Chain: D: PDB Molecule: aldehyde dehydrogenase; PDBTitle: structure of phenylacetaldehyde dehydrogenase from pseudomonas putida2 s12
56	c3gx4X_	 Alignment	not modelled	5.9	10	PDB header: dna binding protein/dna Chain: X: PDB Molecule: alkyltransferase-like protein 1; PDBTitle: crystal structure analysis of s. pombe atl in complex with dna
57	d1mgta1	 Alignment	not modelled	5.7	15	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Methylated DNA-protein cysteine methyltransferase, C-terminal domain Family: Methylated DNA-protein cysteine methyltransferase, C-terminal domain
58	c3h8dC_	 Alignment	not modelled	5.2	24	PDB header: motor protein/signaling protein Chain: C: PDB Molecule: myosin-vi; PDBTitle: crystal structure of myosin vi in complex with dab2 peptide
59	c4r8af_	 Alignment	not modelled	5.2	21	PDB header: hydrolase/dna Chain: F: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of pafan1 - 5' flap dna complex