






























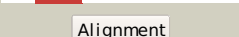
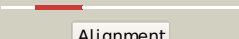
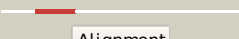
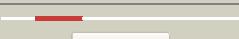



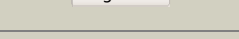
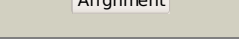

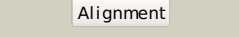
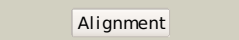
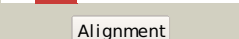
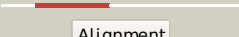

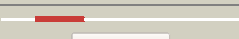
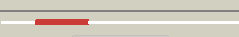


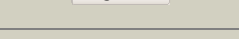
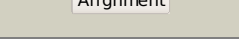
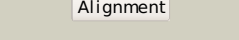
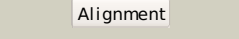
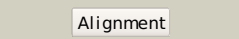
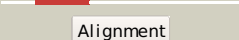
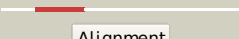


#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c3i8sC_	 Alignment		100.0	100	PDB header: transport protein Chain: C: PDB Molecule: ferrous iron transport protein b; PDBTitle: structure of the cytosolic domain of e. coli feob, nucleotide-free2 form
2	c3lx8A_	 Alignment		99.9	37	PDB header: metal transport Chain: A: PDB Molecule: ferrous iron uptake transporter protein b; PDBTitle: crystal structure of gdp-bound nfeob from s. thermophilus
3	c3ibyA_	 Alignment		99.9	41	PDB header: transport protein Chain: A: PDB Molecule: ferrous iron transport protein b; PDBTitle: structure of cytosolic domain of l. pneumophila feob
4	c3k53B_	 Alignment		99.9	37	PDB header: metal transport Chain: B: PDB Molecule: ferrous iron transport protein b; PDBTitle: crystal structure of nfeob from p. furiosus
5	c3a1vB_	 Alignment		99.9	36	PDB header: transport protein Chain: B: PDB Molecule: iron(ii) transport protein b; PDBTitle: crystal structue of the cytosolic domain of t. maritima feob2 iron transporter in apo form
6	c2qptA_	 Alignment		99.9	19	PDB header: endocytosis Chain: A: PDB Molecule: eh domain-containing protein-2; PDBTitle: crystal structure of an ehd atpase involved in membrane remodelling
7	c2e87A_	 Alignment		99.8	24	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: hypothetical protein ph1320; PDBTitle: crystal structure of hypothetical gtp-binding protein ph1320 from2 pyrococcus horikoshii ot3, in complex with gdp
8	c1xzqA_	 Alignment		99.8	20	PDB header: hydrolase Chain: A: PDB Molecule: probable trna modification gtpase trme; PDBTitle: structure of the gtp-binding protein trme from thermotoga2 maritima complexed with 5-formyl-thf
9	c1udxA_	 Alignment		99.8	26	PDB header: protein binding Chain: A: PDB Molecule: the gtp-binding protein obg; PDBTitle: crystal structure of the conserved protein tt1381 from thermus2 thermophilus hb8
10	c3gehA_	 Alignment		99.7	22	PDB header: hydrolase Chain: A: PDB Molecule: trna modification gtpase mnme; PDBTitle: crystal structure of mnme from nostoc in complex with gdp, folinic2 acid and zn
11	c3ievA_	 Alignment		99.7	23	PDB header: nucleotide binding protein/rna Chain: A: PDB Molecule: gtp-binding protein era; PDBTitle: crystal structure of era in complex with mggnp and the 3' end of 16s2 rna

12	c2hjaA	Alignment		99.7	20	PDB header: hydrolase Chain: A: PDB Molecule: gtp-binding protein enga; PDBTitle: the crystal structure of the b. subtilis yphc gtpase in2 complex with gdp
13	c1wf3A	Alignment		99.7	20	PDB header: hydrolase Chain: A: PDB Molecule: gtp-binding protein; PDBTitle: crystal structure of gtp-binding protein tt1341 from thermus2 thermophilus hb8
14	c1egaB	Alignment		99.7	19	PDB header: hydrolase Chain: B: PDB Molecule: protein (gtp-binding protein era); PDBTitle: crystal structure of a widely conserved gtpase era
15	c1mkyA	Alignment		99.7	21	PDB header: ligand binding protein Chain: A: PDB Molecule: probable gtp-binding protein enga; PDBTitle: structural analysis of the domain interactions in der, a2 switch protein containing two gtpase domains
16	d1tq4a	Alignment		99.7	11	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
17	c2qthA	Alignment		99.7	25	PDB header: nucleotide binding protein Chain: A: PDB Molecule: gtp-binding protein; PDBTitle: crystal structure of a gtp-binding protein from the2 hyperthermophilic archaeon sulfolobus solfataricus in3 complex with gdp
18	c1wb1C	Alignment		99.6	27	PDB header: protein synthesis Chain: C: PDB Molecule: translation elongation factor selb; PDBTitle: crystal structure of translation elongation factor selb2 from methanococcus maripaludis in complex with gdp
19	c1lnzA	Alignment		99.6	24	PDB header: cell cycle Chain: A: PDB Molecule: spo0b-associated gtp-binding protein; PDBTitle: structure of the obg gtp-binding protein
20	d2bv3a2	Alignment		99.6	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
21	c1kk3A	Alignment	not modelled	99.6	22	PDB header: translation Chain: A: PDB Molecule: eif2gamma; PDBTitle: structure of the wild-type large gamma subunit of2 initiation factor eif2 from pyrococcus abyssi complexed3 with gdp-mg2+
22	c2xtpA	Alignment	not modelled	99.6	15	PDB header: immune system Chain: A: PDB Molecule: gtpase imap family member 2; PDBTitle: crystal structure of nucleotide-free human gimap2, amino2 acid residues 1-260
23	c2wjJB	Alignment	not modelled	99.6	51	PDB header: metal transport Chain: B: PDB Molecule: ferrous iron transport protein b homolog; PDBTitle: structure and function of the feob g-domain from2 methanococcus jannaschii
24	d1ni3a1	Alignment	not modelled	99.6	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
25	c3qq5A	Alignment	not modelled	99.5	20	PDB header: oxidoreductase Chain: A: PDB Molecule: small gtp-binding protein; PDBTitle: crystal structure of the [feFe]-hydrogenase maturation protein hydf
26	c2j3eA	Alignment	not modelled	99.5	15	PDB header: protein transport Chain: A: PDB Molecule: t7i23.11 protein; PDBTitle: dimerization is important for the gtpase activity of2 chloroplast translocon components attoc33 and pstoc159
27	d1n0ua2	Alignment	not modelled	99.5	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
28	d2dy1a2	Alignment	not modelled	99.5	22	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases

					Family: G proteins PDB header: ribosome Chain: C: PDB Molecule: gtp-binding protein lepa; PDBTitle: complex of elongating escherichia coli 70s ribosome and ef4(lepa)-2 gmpnp
29	c3degC_	Alignment	not modelled	99.5	18
30	d1h65a_	Alignment	not modelled	99.5	18
31	c3lxaA_	Alignment	not modelled	99.5	15
32	c1ni3A_	Alignment	not modelled	99.5	21
33	c2xtnA_	Alignment	not modelled	99.5	15
34	c3md0A_	Alignment	not modelled	99.5	19
35	c2plfA_	Alignment	not modelled	99.5	23
36	c3pljC_	Alignment	not modelled	99.5	16
37	c3izyP_	Alignment	not modelled	99.5	19
38	c2ywfA_	Alignment	not modelled	99.5	19
39	c2bvnB_	Alignment	not modelled	99.5	22
40	c2wwwB_	Alignment	not modelled	99.5	15
41	c1zoi_	Alignment	not modelled	99.4	20
42	c3lxxA_	Alignment	not modelled	99.4	23
43	c3a1wA_	Alignment	not modelled	99.4	49
44	c3nxsA_	Alignment	not modelled	99.4	17
45	c1jalA_	Alignment	not modelled	99.4	25
46	c2dy1A_	Alignment	not modelled	99.4	34
47	c2qu8A_	Alignment	not modelled	99.4	16
48	c2elfA_	Alignment	not modelled	99.4	23
49	c1d2eA_	Alignment	not modelled	99.4	23
50	c2xexA_	Alignment	not modelled	99.4	25
51	c3pqcA_	Alignment	not modelled	99.4	20
52	c2bm0A_	Alignment	not modelled	99.4	24
53	d2p67a1	Alignment	not modelled	99.4	20

						Family: Nitrogenase iron protein-like Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
54	d1svia_	 Alignment	not modelled	99.4	21	
55	c2dwqB_	 Alignment	not modelled	99.4	30	PDB header: hydrolase Chain: B: PDB Molecule: gtp-binding protein; PDBTitle: thermus thermophilus ychf gtp-binding protein
56	d1wxqa1	 Alignment	not modelled	99.4	27	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
57	c1g7tA_	 Alignment	not modelled	99.4	26	PDB header: translation Chain: A: PDB Molecule: translation initiation factor if2/eif5b; PDBTitle: x-ray structure of translation initiation factor if2/eif5b2 complexed with gdnpp
58	d1wb1a4	 Alignment	not modelled	99.4	29	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
59	c2ohfA_	 Alignment	not modelled	99.4	27	PDB header: hydrolase Chain: A: PDB Molecule: gtp-binding protein 9; PDBTitle: crystal structure of human ola1 in complex with amppcp
60	d1jala1	 Alignment	not modelled	99.3	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
61	c1mj1A_	 Alignment	not modelled	99.3	24	PDB header: ribosome Chain: A: PDB Molecule: elongation factor tu; PDBTitle: fitting the ternary complex of ef-tu/trna/gtp and ribosomal proteins2 into a 13 a cryo-em map of the coli 70s ribosome
62	d1zunb3	 Alignment	not modelled	99.3	22	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
63	c3p1jB_	 Alignment	not modelled	99.3	15	PDB header: hydrolase Chain: B: PDB Molecule: gtpase imap family member 2; PDBTitle: crystal structure of human gtpase imap family member 2 in the2 nucleotide-free state
64	d1kk1a3	 Alignment	not modelled	99.3	22	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
65	c1zunB_	 Alignment	not modelled	99.3	23	PDB header: transferase Chain: B: PDB Molecule: sulfate adenylate transferase, subunit PDBTitle: crystal structure of a gtp-regulated atp sulfurylase2 heterodimer from pseudomonas syringae
66	c2j69D_	 Alignment	not modelled	99.3	18	PDB header: hydrolase Chain: D: PDB Molecule: bacterial dynamin-like protein; PDBTitle: bacterial dynamin-like protein bdlp
67	c1skqB_	 Alignment	not modelled	99.3	27	PDB header: translation Chain: B: PDB Molecule: elongation factor 1-alpha; PDBTitle: the crystal structure of sulfolobus solfataricus elongation2 factor 1-alpha in complex with magnesium and gdp
68	d1legaa1	 Alignment	not modelled	99.3	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
69	c3r7wC_	 Alignment	not modelled	99.3	14	PDB header: protein transport Chain: C: PDB Molecule: gtp-binding protein gtr1; PDBTitle: crystal structure of gtr1p-gtr2p complex
70	c3geiB_	 Alignment	not modelled	99.3	24	PDB header: hydrolase Chain: B: PDB Molecule: trna modification gtpase mnme; PDBTitle: crystal structure of mnme from chlorobium tepidum in complex2 with gcp
71	d2qm8a1	 Alignment	not modelled	99.3	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: Nitrogenase iron protein-like
72	c1s0uA_	 Alignment	not modelled	99.3	21	PDB header: translation Chain: A: PDB Molecule: translation initiation factor 2 gamma subunit; PDBTitle: eif2gamma apo
73	d1f60a3	 Alignment	not modelled	99.3	25	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
74	d2cxxa1	 Alignment	not modelled	99.3	30	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
75	c3o47A_	 Alignment	not modelled	99.3	25	PDB header: hydrolase, hydrolase activator Chain: A: PDB Molecule: adp-ribosylation factor gtpase-activating protein 1, adp- PDBTitle: crystal structure of arfgap1-arf1 fusion protein
76	d2c78a3	 Alignment	not modelled	99.3	22	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
77	d1wf3a1	 Alignment	not modelled	99.3	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
78	c3lvrE_	 Alignment	not modelled	99.3	21	PDB header: protein transport Chain: E: PDB Molecule: arf-gap with sh3 domain, ank repeat and ph domain- PDBTitle: the crystal structure of asap3 in complex with arf6 in transition2 state soaked with calcium
79	d1c0ua2	 Alignment	not modelled	99.3	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate

79	d1svda3	Alignment	not modelled	99.3	10	hydrolases Family: G proteins
80	c3cb4D_	Alignment	not modelled	99.3	16	PDB header: translation Chain: D: PDB Molecule: gtp-binding protein lepa; PDBTitle: the crystal structure of lepa
81	c2qagB_	Alignment	not modelled	99.3	17	PDB header: cell cycle, structural protein Chain: B: PDB Molecule: septin-6; PDBTitle: crystal structure of human septin trimer 2/6/7
82	d1udxa2	Alignment	not modelled	99.3	24	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
83	d1d2ea3	Alignment	not modelled	99.3	22	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
84	c3t1tC_	Alignment	not modelled	99.2	18	PDB header: hydrolase Chain: C: PDB Molecule: gliding protein mgla; PDBTitle: mgla bound to gdp in p1 tetrameric arrangement
85	c2wkqA_	Alignment	not modelled	99.2	15	PDB header: transferase, cell adhesion Chain: A: PDB Molecule: nph1-1, ras-related c3 botulinum toxin substrate PDBTitle: structure of a photoactivatable rac1 containing the lov22 c450a mutant
86	c1g7cA_	Alignment	not modelled	99.2	26	PDB header: translation Chain: A: PDB Molecule: elongation factor 1-alpha; PDBTitle: yeast eef1a:eef1ba in complex with gdpnp
87	c2wsmB_	Alignment	not modelled	99.2	14	PDB header: metal binding protein Chain: B: PDB Molecule: hydrogenase expression/formation protein (hyph); PDBTitle: crystal structure of hydrogenase maturation factor hyph from2 archaeoglobus fulgidus
88	d1puia_	Alignment	not modelled	99.2	19	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
89	c2dykB_	Alignment	not modelled	99.2	27	PDB header: ribosome Chain: B: PDB Molecule: gtp-binding protein; PDBTitle: crystal structure of n-terminal gtp-binding domain of enga from2 thermus thermophilus hb8
90	c3tr5C_	Alignment	not modelled	99.2	27	PDB header: translation Chain: C: PDB Molecule: peptide chain release factor 3; PDBTitle: structure of a peptide chain release factor 3 (prfc) from coxiella2 burnetii
91	c2qa5A_	Alignment	not modelled	99.2	15	PDB header: cell cycle, structural protein Chain: A: PDB Molecule: septin-2; PDBTitle: crystal structure of sept2 g-domain
92	c2qagC_	Alignment	not modelled	99.2	15	PDB header: cell cycle, structural protein Chain: C: PDB Molecule: septin-7; PDBTitle: crystal structure of human septin trimer 2/6/7
93	d2gj8a1	Alignment	not modelled	99.2	22	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
94	c1zn0B_	Alignment	not modelled	99.2	23	PDB header: translation/biosynthetic protein/rna Chain: B: PDB Molecule: elongation factor g; PDBTitle: coordinates of rrf and ef-g fitted into cryo-em map of the2 50s subunit bound with both ef-g (gdpnp) and rrf
95	c2rdo7_	Alignment	not modelled	99.2	23	PDB header: ribosome Chain: 7: PDB Molecule: elongation factor g; PDBTitle: 50s subunit with ef-g(gdpnp) and rrf bound
96	c2h5eB_	Alignment	not modelled	99.2	23	PDB header: translation Chain: B: PDB Molecule: peptide chain release factor rf-3; PDBTitle: crystal structure of e.coli polypeptide release factor rf3
97	c3p27A_	Alignment	not modelled	99.2	29	PDB header: signaling protein Chain: A: PDB Molecule: elongation factor 1 alpha-like protein; PDBTitle: crystal structure of a translational gtpase (gdp form)
98	d1efca3	Alignment	not modelled	99.2	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
99	c2x2fD_	Alignment	not modelled	99.2	17	PDB header: hydrolase Chain: D: PDB Molecule: dynamin-1; PDBTitle: dynamin 1 gtpase dimer, short axis form
100	d1lnza2	Alignment	not modelled	99.2	17	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
101	d1mkya2	Alignment	not modelled	99.1	21	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
102	d1x3sa1	Alignment	not modelled	99.1	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
103	d1z0ja1	Alignment	not modelled	99.1	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
104	c3c5cC_	Alignment	not modelled	99.1	16	PDB header: signaling protein Chain: C: PDB Molecule: ras-like protein 12; PDBTitle: crystal structure of human ras-like, family 12 protein in2 complex with gdp
105	c1r5nA_	Alignment	not modelled	99.1	24	PDB header: translation Chain: A: PDB Molecule: eukaryotic peptide chain release factor

105	c1f9hA_	Alignment	not modelled	99.1	24	gtp- PDBTitle: crystal structure analysis of sup35 complexed with gdp
106	d1jnya3	Alignment	not modelled	99.1	24	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
107	d2fh5b1	Alignment	not modelled	99.1	23	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
108	d1ds6a_	Alignment	not modelled	99.1	12	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
109	c3t5dC_	Alignment	not modelled	99.1	17	PDB header: signaling protein Chain: C: PDB Molecule: septin-7; PDBTitle: crystal structure of septin 7 in complex with gdp
110	c2rexD_	Alignment	not modelled	99.1	14	PDB header: signaling protein/lipoprotein Chain: D: PDB Molecule: rho-related gtp-binding protein rho6; PDBTitle: crystal structure of the effector domain of plxnbl bound with rnd12 gtpase
111	d2qn6a3	Alignment	not modelled	99.1	20	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
112	d1xzpa2	Alignment	not modelled	99.1	24	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
113	d1ksha_	Alignment	not modelled	99.1	19	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
114	d1zca2	Alignment	not modelled	99.1	20	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
115	c2g3yA_	Alignment	not modelled	99.1	18	PDB header: signaling protein Chain: A: PDB Molecule: gtp-binding protein gem; PDBTitle: crystal structure of the human small gtpase gem
116	d2g3ya1	Alignment	not modelled	99.1	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
117	c2h18A_	Alignment	not modelled	99.1	18	PDB header: transport protein Chain: A: PDB Molecule: adp-ribosylation factor-like protein 8a; PDBTitle: structure of human adp-ribosylation factor-like 10b (arl10b)
118	d2bcgy1	Alignment	not modelled	99.1	16	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
119	d1mkya1	Alignment	not modelled	99.1	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins
120	d2al7a1	Alignment	not modelled	99.1	18	Fold: P-loop containing nucleoside triphosphate hydrolases Superfamily: P-loop containing nucleoside triphosphate hydrolases Family: G proteins