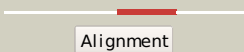

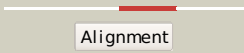



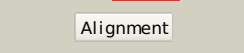


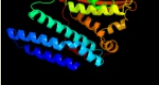
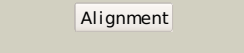



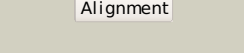



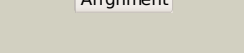

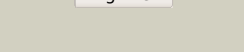



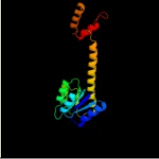
Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	P39453
Date	Thu Jan 5 12:00:52 GMT 2012
Unique Job ID	9753810d9e802479

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2c2aA_	 Alignment		100.0	29	PDB header: transferase Chain: A: PDB Molecule: sensor histidine kinase; PDBTitle: structure of the entire cytoplasmic portion of a sensor2 histidine kinase protein
2	c3d36B_	 Alignment		100.0	24	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: sporulation kinase b; PDBTitle: how to switch off a histidine kinase: crystal structure of2 geobacillus stearothermophilus kinb with the inhibitor sda
3	c3d2rB_	 Alignment		100.0	16	PDB header: transferase Chain: B: PDB Molecule: [pyruvate dehydrogenase [lipoamide]] kinase isozyme 4; PDBTitle: crystal structure of pyruvate dehydrogenase kinase isoform 4 in2 complex with adp
4	c2q8fA_	 Alignment		100.0	17	PDB header: transferase Chain: A: PDB Molecule: [pyruvate dehydrogenase [lipoamide]] kinase isozyme 1; PDBTitle: structure of pyruvate dehydrogenase kinase isoform 1
5	c1y8oA_	 Alignment		100.0	15	PDB header: transferase Chain: A: PDB Molecule: [pyruvate dehydrogenase [lipoamide]] kinase isozyme 3; PDBTitle: crystal structure of the pdk3-l2 complex
6	c2bu8A_	 Alignment		100.0	17	PDB header: transferase Chain: A: PDB Molecule: pyruvate dehydrogenase kinase isoenzyme 2; PDBTitle: crystal structures of human pyruvate dehydrogenase kinase 22 containing physiological and synthetic ligands
7	c1qjvA_	 Alignment		100.0	16	PDB header: transferase Chain: A: PDB Molecule: [3-methyl-2-oxobutanoate dehydrogenase PDBTitle: branched-chain alpha-ketoacid dehydrogenase kinase (bck)2 complexed with atp-gamma-s
8	c3a0rA_	 Alignment		100.0	26	PDB header: transferase Chain: A: PDB Molecule: sensor protein; PDBTitle: crystal structure of histidine kinase thka (tm1359) in complex with2 response regulator protein trra (tm1360)
9	c2ayxA_	 Alignment		99.9	19	PDB header: transferase Chain: A: PDB Molecule: sensor kinase protein rcsc; PDBTitle: solution structure of the e.coli rcsc c-terminus (residues2 700-949) containing linker region and phosphoreceiver3 domain
10	d2c2aa2	 Alignment		99.9	28	Fold: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Superfamily: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Family: Histidine kinase
11	c1b3qA_	 Alignment		99.9	19	PDB header: transferase Chain: A: PDB Molecule: protein (chemotaxis protein chea); PDBTitle: crystal structure of chea-289, a signal transducing histidine kinase

12	d1ld0a_	Alignment		99.9	22	Fold: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Superfamily: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Family: Histidine kinase
13	c3a0tA_	Alignment		99.9	27	PDB header: transferase Chain: A: PDB Molecule: sensor protein; PDBTitle: catalytic domain of histidine kinase thka (tm1359) in2 complex with adp and mg ion (trigonal)
14	d1jm6a2	Alignment		99.9	19	Fold: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Superfamily: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Family: alpha-ketoacid dehydrogenase kinase, C-terminal domain
15	d1gkza2	Alignment		99.9	21	Fold: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Superfamily: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Family: alpha-ketoacid dehydrogenase kinase, C-terminal domain
16	d1bxda_	Alignment		99.9	28	Fold: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Superfamily: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Family: Histidine kinase
17	c3jz3B_	Alignment		99.9	21	PDB header: transferase Chain: B: PDB Molecule: sensor protein qsec; PDBTitle: structure of the cytoplasmic segment of histidine kinase qsec
18	d1ysra1	Alignment		99.9	23	Fold: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Superfamily: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Family: Histidine kinase
19	c2ch4A_	Alignment		99.9	25	PDB header: transferase/chemotaxis Chain: A: PDB Molecule: chemotaxis protein chea; PDBTitle: complex between bacterial chemotaxis histidine kinase chea2 domains p4 and p5 and receptor-adaptor protein chew
20	d1i58a_	Alignment		99.9	25	Fold: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Superfamily: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Family: Histidine kinase
21	c1w25B_	Alignment	not modelled	99.9	19	PDB header: signaling protein Chain: B: PDB Molecule: stalked-cell differentiation controlling protein; PDBTitle: response regulator pled in complex with c-digmp
22	c3eq2A_	Alignment	not modelled	99.9	19	PDB header: signaling protein Chain: A: PDB Molecule: probable two-component response regulator; PDBTitle: structure of hexagonal crystal form of pseudomonas2 aeruginosa rssb
23	c3breA_	Alignment	not modelled	99.9	16	PDB header: signaling protein Chain: A: PDB Molecule: probable two-component response regulator; PDBTitle: crystal structure of p.aeruginosa pa3702
24	c3i9wA_	Alignment		99.9	100	PDB header: transferase Chain: A: PDB Molecule: sensor protein tors; PDBTitle: crystal structure of the e. coli histidine kinase sensor2 tors sensor domain
25	c3lufB_	Alignment	not modelled	99.9	23	PDB header: signaling protein Chain: B: PDB Molecule: two-component system response regulator/ggdef PDBTitle: structure of probable two-component system response2 regulator/ggdef domain protein
26	c3i5aA_	Alignment	not modelled	99.8	16	PDB header: signaling protein Chain: A: PDB Molecule: response regulator/ggdef domain protein; PDBTitle: crystal structure of full-length wpsr from pseudomonas syringae
27	c3n0rA_	Alignment	not modelled	99.8	20	PDB header: signaling protein Chain: A: PDB Molecule: response regulator; PDBTitle: structure of the phyr stress response regulator at 1.25

					angstrom2 resolution
28	d2pl1a1	Alignment	not modelled	99.8	25 Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
29	d2ayxa1	Alignment	not modelled	99.8	26 Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
30	d1peya	Alignment	not modelled	99.8	19 Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
31	c1ny5A	Alignment		99.8	17 PDB header: transcription Chain: A: PDB Molecule: transcriptional regulator (ntrc family); PDBTitle: crystal structure of sigm54 activator (aaa+ atpase) in the inactive2 state
32	c3h1gA	Alignment	not modelled	99.8	19 PDB header: signaling protein Chain: A: PDB Molecule: chemotaxis protein chey homolog; PDBTitle: crystal structure of chey mutant t84a of helicobacter pylori
33	d2r25b1	Alignment	not modelled	99.8	20 Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
34	d1u0sy	Alignment	not modelled	99.8	18 Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
35	d1qkka	Alignment	not modelled	99.8	22 Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
36	d1ny5a1	Alignment	not modelled	99.8	20 Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
37	d1jbea	Alignment	not modelled	99.8	21 Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
38	c3jteA	Alignment	not modelled	99.8	15 PDB header: protein binding Chain: A: PDB Molecule: response regulator receiver protein; PDBTitle: crystal structure of response regulator receiver domain2 protein from clostridium thermocellum
39	d1k66a	Alignment	not modelled	99.8	19 Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
40	c3gt7A	Alignment	not modelled	99.8	21 PDB header: hydrolase Chain: A: PDB Molecule: sensor protein; PDBTitle: crystal structure of signal receiver domain of signal2 transduction histidine kinase from syntrophus3 aciditrophicus
41	c3cfyA	Alignment	not modelled	99.8	21 PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative luxo repressor protein; PDBTitle: crystal structure of signal receiver domain of putative luxo2 repressor protein from vibrio parahaemolyticus
42	d1w25a1	Alignment	not modelled	99.8	19 Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
43	c2zayA	Alignment	not modelled	99.8	24 PDB header: signaling protein Chain: A: PDB Molecule: response regulator receiver protein; PDBTitle: crystal structure of response regulator from desulfuromonas2 acetoxidans
44	c3r0jA	Alignment	not modelled	99.8	20 PDB header: dna binding protein Chain: A: PDB Molecule: possible two component system response transcriptional PDBTitle: structure of phop from mycobacterium tuberculosis
45	d1mvoa	Alignment	not modelled	99.8	19 Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
46	c3lteH	Alignment	not modelled	99.8	21 PDB header: transcription Chain: H: PDB Molecule: response regulator; PDBTitle: crystal structure of response regulator (signal receiver domain) from2 bermanella marisrubri
47	c2zwmA	Alignment	not modelled	99.8	18 PDB header: transcription Chain: A: PDB Molecule: transcriptional regulatory protein yycf; PDBTitle: crystal structure of yycf receiver domain from bacillus2 subtilis
48	c3hdvB	Alignment	not modelled	99.8	21 PDB header: transcription regulator Chain: B: PDB Molecule: response regulator; PDBTitle: crystal structure of response regulator receiver protein from2 pseudomonas putida
49	d1s8na	Alignment	not modelled	99.8	22 Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
50	d1dbwa	Alignment	not modelled	99.8	16 Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
51	c2rjnA	Alignment	not modelled	99.8	18 PDB header: hydrolase Chain: A: PDB Molecule: response regulator receiver:metal-dependent PDBTitle: crystal structure of an uncharacterized protein q2bku2 from2 neptuniibacter caesariensis
52	c3t6kB	Alignment	not modelled	99.8	20 PDB header: signaling protein Chain: B: PDB Molecule: response regulator receiver; PDBTitle: crystal structure of a hypothetical response regulator (caur_3799)2 from chloroflexus aurantiacus j-10-fl at 1.86 a resolution

53	c2qr3A_	Alignment	not modelled	99.8	15	PDB header: transcription Chain: A: PDB Molecule: two-component system response regulator; PDBTitle: crystal structure of the n-terminal signal receiver domain of two-2 component system response regulator from bacteroides fragilis
54	d2a9pa1	Alignment	not modelled	99.8	21	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
55	d1zh2a1	Alignment	not modelled	99.8	23	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
56	d1ys7a2	Alignment	not modelled	99.8	19	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
57	d1heya_	Alignment	not modelled	99.8	18	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
58	c3mmnA_	Alignment	not modelled	99.8	21	PDB header: transferase Chain: A: PDB Molecule: histidine kinase homolog; PDBTitle: crystal structure of the receiver domain of the histidine kinase cki12 from arabidopsis thaliana complexed with mg2+
59	c3nhzA_	Alignment	not modelled	99.8	22	PDB header: dna binding protein Chain: A: PDB Molecule: two component system transcriptional regulator mtra; PDBTitle: structure of n-terminal domain of mtra
60	c3hv2B_	Alignment	not modelled	99.8	22	PDB header: signaling protein Chain: B: PDB Molecule: response regulator/hd domain protein; PDBTitle: crystal structure of signal receiver domain of hd domain-2 containing protein from pseudomonas fluorescens pf-5
61	c3b2nA_	Alignment	not modelled	99.8	13	PDB header: transcription Chain: A: PDB Molecule: uncharacterized protein q99uf4; PDBTitle: crystal structure of dna-binding response regulator, luxr family, from2 staphylococcus aureus
62	d1yioa2	Alignment	not modelled	99.8	17	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
63	d1p6qa_	Alignment	not modelled	99.8	18	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
64	c2jrlA_	Alignment	not modelled	99.8	18	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulator (ntrc family); PDBTitle: solution structure of the beryll fluoride-activated ntrc4 receiver2 domain dimer
65	c3dzdA_	Alignment	not modelled	99.8	17	PDB header: transcription regulator Chain: A: PDB Molecule: transcriptional regulator (ntrc family); PDBTitle: crystal structure of sigma54 activator ntrc4 in the inactive2 state
66	c2qziC_	Alignment	not modelled	99.8	17	PDB header: transcription Chain: C: PDB Molecule: two-component response regulator; PDBTitle: crystal structure of a two-component response regulator from2 clostridium difficile
67	c3gl9B_	Alignment	not modelled	99.8	24	PDB header: signaling protein Chain: B: PDB Molecule: response regulator; PDBTitle: the structure of a histidine kinase-response regulator2 complex sheds light into two-component signaling and3 reveals a novel cis autophosphorylation mechanism
68	c3hdgE_	Alignment	not modelled	99.8	15	PDB header: structural genomics, unknown function Chain: E: PDB Molecule: uncharacterized protein; PDBTitle: crystal structure of the n-terminal domain of an2 uncharacterized protein (ws1339) from wolinetella succinogenes
69	d1kgsa2	Alignment	not modelled	99.8	16	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
70	d1a04a2	Alignment	not modelled	99.8	19	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
71	d1dcfa_	Alignment	not modelled	99.8	20	Fold: Flavodoxin-like Superfamily: CheY-like Family: Receiver domain of the ethylene receptor
72	c2qvgA_	Alignment	not modelled	99.8	19	PDB header: transferase Chain: A: PDB Molecule: two component response regulator; PDBTitle: the crystal structure of a two-component response regulator2 from legionella pneumophila
73	d1zgza1	Alignment	not modelled	99.8	21	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
74	d1zesa1	Alignment	not modelled	99.8	21	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
75	c3cnbC_	Alignment	not modelled	99.8	16	PDB header: dna binding protein Chain: C: PDB Molecule: dna-binding response regulator, merr family; PDBTitle: crystal structure of signal receiver domain of dna binding response2 regulator protein (merr) from colwellia psychrerythraea 34h
76	d1xhfa1	Alignment	not modelled	99.8	18	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
77	d1krwa_	Alignment	not modelled	99.8	20	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
78	c3lthA_	Alignment	not modelled	99.8	19	PDB header: transcription regulator Chain: A: PDB Molecule: two component response regulator;

78	c3miaA	Alignment	not modelled	99.8	19	PDBTitle: crystal structure of two component response regulator from cytophaga2 hutchinsonii PDB header: lyase
79	c3kcnA	Alignment	not modelled	99.8	17	Chain: A: PDB Molecule: adenylate cyclase homolog; PDBTitle: the crystal structure of adenylate cyclase from2 rhodopirellula baltica
80	c2rdmB	Alignment	not modelled	99.8	21	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: response regulator receiver protein; PDBTitle: crystal structure of response regulator receiver protein from2 sinorhizobium medicae wsm419
81	c3crnA	Alignment	not modelled	99.8	23	PDB header: signaling protein Chain: A: PDB Molecule: response regulator receiver domain protein, chey-like; PDBTitle: crystal structure of response regulator receiver domain protein (chey-2 like) from methanospirillum hungatei jf-1
82	c3hebB	Alignment	not modelled	99.8	19	PDB header: transcription regulator Chain: B: PDB Molecule: response regulator receiver domain protein (chey); PDBTitle: crystal structure of response regulator receiver domain from2 rhodospirillum rubrum
83	d1i3ca	Alignment	not modelled	99.8	20	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
84	c3gieA	Alignment	not modelled	99.8	15	PDB header: transferase Chain: A: PDB Molecule: sensor histidine kinase desk; PDBTitle: crystal structure of deskc_h188e in complex with amp-pcp
85	c3c3mA	Alignment	not modelled	99.8	18	PDB header: signaling protein Chain: A: PDB Molecule: response regulator receiver protein; PDBTitle: crystal structure of the n-terminal domain of response regulator2 receiver protein from methanoculleus marisnigri jr1
86	d1mb3a	Alignment	not modelled	99.8	19	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
87	c2qxyB	Alignment	not modelled	99.8	16	PDB header: transcription Chain: B: PDB Molecule: response regulator; PDBTitle: crystal structure of a response regulator from thermotoga2 maritima
88	c3luaA	Alignment	not modelled	99.8	14	PDB header: transcription regulator Chain: A: PDB Molecule: response regulator receiver protein; PDBTitle: crystal structure of a signal receiver domain of two component signal2 transduction (histidine kinase) from clostridium thermocellum
89	c3cu5B	Alignment	not modelled	99.8	23	PDB header: transcription regulator Chain: B: PDB Molecule: two component transcriptional regulator, arac family; PDBTitle: crystal structure of a two component transcriptional regulator arac2 from clostridium phytofermentans isdg
90	c3khtA	Alignment	not modelled	99.8	18	PDB header: signaling protein Chain: A: PDB Molecule: response regulator; PDBTitle: crystal structure of response regulator from hahella chejuensis
91	c1ys7B	Alignment	not modelled	99.8	18	PDB header: transcription regulator Chain: B: PDB Molecule: transcriptional regulatory protein prra; PDBTitle: crystal structure of the response regulator protein prra complexed with2 mg2+
92	d1r62a	Alignment	not modelled	99.8	24	Fold: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Superfamily: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Family: Histidine kinase
93	c3eulB	Alignment	not modelled	99.8	21	PDB header: transcription Chain: B: PDB Molecule: possible nitrate/nitrite response transcriptional PDBTitle: structure of the signal receiver domain of the putative2 response regulator narl from mycobacterium tuberculosis
94	c3cz5B	Alignment	not modelled	99.8	18	PDB header: transcription regulator Chain: B: PDB Molecule: two-component response regulator, luxr family; PDBTitle: crystal structure of two-component response regulator, luxr family,2 from aurantimonas sp. si85-9a1
95	c3c97A	Alignment	not modelled	99.8	23	PDB header: signaling protein, transferase Chain: A: PDB Molecule: signal transduction histidine kinase; PDBTitle: crystal structure of the response regulator receiver domain2 of a signal transduction histidine kinase from aspergillus3 oryzae
96	c3m6mF	Alignment	not modelled	99.8	25	PDB header: lyase/transferase Chain: F: PDB Molecule: sensory/regulatory protein rpfc; PDBTitle: crystal structure of rpff complexed with rec domain of rpfc
97	d2b4aa1	Alignment	not modelled	99.8	16	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
98	c1p2fA	Alignment	not modelled	99.8	19	PDB header: transcription Chain: A: PDB Molecule: response regulator; PDBTitle: crystal structure analysis of response regulator drrb, a2 thermotoga maritima omprr/phob homolog
99	c3rqia	Alignment	not modelled	99.8	19	PDB header: transcription Chain: A: PDB Molecule: response regulator protein; PDBTitle: crystal structure of a response regulator protein from burkholderia2 pseudomallei with a phosphorylated aspartic acid, calcium ion and3 citrate
100	c3hzhA	Alignment	not modelled	99.8	16	PDB header: signaling protein Chain: A: PDB Molecule: chemotaxis response regulator (chey-3); PDBTitle: crystal structure of the chex-chey-bef3-mg+2 complex from2 borrelia burgdorferi
101	c2gwrA	Alignment	not modelled	99.8	20	PDB header: signaling protein Chain: A: PDB Molecule: dna-binding response regulator mtra; PDBTitle: crystal structure of the response regulator protein mtra from2 mycobacterium tuberculosis
						PDB header: dna-binding

102	c2jk1A_	Alignment	not modelled	99.8	16	Chain: A: PDB Molecule: hydrogenase transcriptional regulatory protein hupr1; PDBTitle: crystal structure of the wild-type hupr receiver domain
103	d1p2fa2	Alignment	not modelled	99.8	18	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
104	d1dz3a_	Alignment	not modelled	99.8	17	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
105	c3cg4A_	Alignment	not modelled	99.8	15	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: response regulator receiver domain protein (cheY-like); PDBTitle: crystal structure of response regulator receiver domain protein (cheY-2 like) from methanospirillum hungatei jf-1
106	c3cg0A_	Alignment	not modelled	99.8	24	PDB header: lyase Chain: A: PDB Molecule: response regulator receiver modulated diguanylate cyclase PDBTitle: crystal structure of signal receiver domain of modulated diguanylate2 cyclase from desulfovibrio desulfuricans g20, an example of alternate3 folding
107	c3h5iA_	Alignment	not modelled	99.8	20	PDB header: transcription Chain: A: PDB Molecule: response regulator/sensory box protein/ggdef PDBTitle: crystal structure of the n-terminal domain of a response2 regulator/sensory box/ggdef 3-domain protein from3 carboxydothermus hydrogenoformans
108	c1a2oB_	Alignment	not modelled	99.8	16	PDB header: bacterial chemotaxis Chain: B: PDB Molecule: cheb methyltransferase; PDBTitle: structural basis for methyltransferase cheb regulation by a2 phosphorylation-activated domain
109	d1k68a_	Alignment	not modelled	99.8	19	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
110	c3i42A_	Alignment	not modelled	99.8	24	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: response regulator receiver domain protein (cheY- PDBTitle: structure of response regulator receiver domain (cheY-like)2 from methylobacillus flagellatus
111	c3grcD_	Alignment	not modelled	99.8	31	PDB header: transferase Chain: D: PDB Molecule: sensor protein, kinase; PDBTitle: crystal structure of a sensor protein from polaromonas sp.2 js666
112	c2j48A_	Alignment	not modelled	99.8	22	PDB header: transferase Chain: A: PDB Molecule: two-component sensor kinase; PDBTitle: nmr structure of the pseudo-receiver domain of the cika2 protein.
113	c2qv0A_	Alignment	not modelled	99.8	19	PDB header: transcription Chain: A: PDB Molecule: protein mrke; PDBTitle: crystal structure of the response regulatory domain of2 protein mrke from klebsiella pneumoniae
114	c3eodA_	Alignment	not modelled	99.8	23	PDB header: signaling protein Chain: A: PDB Molecule: protein hnr; PDBTitle: crystal structure of n-terminal domain of e. coli rssb
115	d2hkja3	Alignment	not modelled	99.8	21	Fold: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Superfamily: ATPase domain of HSP90 chaperone/DNA topoisomerase II/histidine kinase Family: DNA gyrase/MutL, N-terminal domain
116	d1w25a2	Alignment	not modelled	99.7	12	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
117	d1qo0d_	Alignment	not modelled	99.7	15	Fold: Flavodoxin-like Superfamily: CheY-like Family: Positive regulator of the amidase operon AmiR
118	c1kgsA_	Alignment	not modelled	99.7	17	PDB header: dna binding protein Chain: A: PDB Molecule: dna binding response regulator d; PDBTitle: crystal structure at 1.50 a of an ompR/phob homolog from thermotoga2 maritima
119	c3a0rB_	Alignment	not modelled	99.7	19	PDB header: transferase Chain: B: PDB Molecule: response regulator; PDBTitle: crystal structure of histidine kinase thka (tm1359) in complex with2 response regulator protein trra (tm1360)
120	c3nhmA_	Alignment	not modelled	99.7	17	PDB header: signaling protein Chain: A: PDB Molecule: response regulator; PDBTitle: crystal structure of a response regulator from myxococcus xanthus