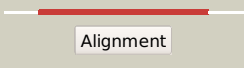

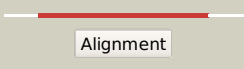

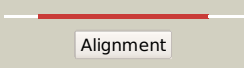

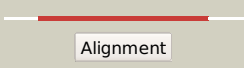
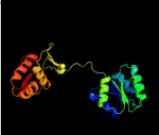
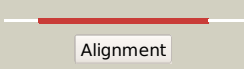

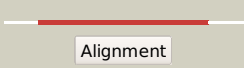

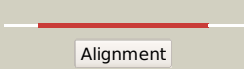

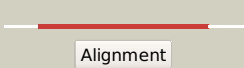

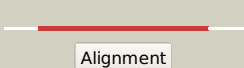

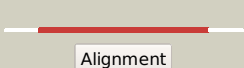

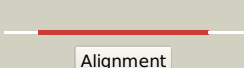

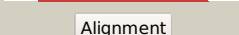





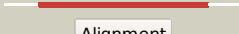














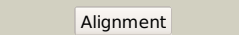
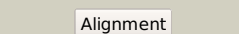
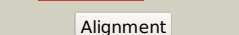
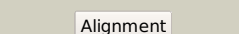


Phyre2

Email	mdejesus@rockefeller.edu
Description	RVBD0981_(mprA)_1096826_1097512
Date	Wed Jul 31 22:05:05 BST 2019
Unique Job ID	b1da1bbdb1f07ef9

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1ys7B_			100.0	51	PDB header: transcription regulator Chain: B: PDB Molecule: transcriptional regulatory protein prra; PDBTitle: crystal structure of the response regulator protein prra complexed2 with mg2+
2	c4s05B_			100.0	38	PDB header: transcription/dna Chain: B: PDB Molecule: dna-binding transcriptional regulator basr; PDBTitle: crystal structure of klebsiella pneumoniae pmra in complex with pmra2 box dna
3	c2oqrA_			100.0	37	PDB header: transcription,signaling protein Chain: A: PDB Molecule: sensory transduction protein regx3; PDBTitle: the structure of the response regulator regx3 from mycobacterium2 tuberculosis
4	c4kfcB_			100.0	40	PDB header: transcription regulator/dna Chain: B: PDB Molecule: kdp operon transcriptional regulatory protein kdpe; PDBTitle: crystal structure of a hyperactive mutant of response regulator kdpe2 complexed to its promoter dna
5	c3r0jA_			100.0	49	PDB header: dna binding protein Chain: A: PDB Molecule: possible two component system response transcriptional PDBTitle: structure of phop from mycobacterium tuberculosis
6	c5u8mA_			100.0	31	PDB header: transcription Chain: A: PDB Molecule: response regulator; PDBTitle: a novel family of redox sensors in the streptococci evolved from two-2 component response regulators
7	c2hqrA_			100.0	19	PDB header: signaling protein Chain: A: PDB Molecule: putative transcriptional regulator; PDBTitle: structure of a atypical orphan response regulator protein revealed a2 new phosphorylation-independent regulatory mechanism
8	c2gwrA_			100.0	42	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
9	c1kgsA_			100.0	39	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
10	c4b09F_			100.0	30	PDB header: transcription Chain: F: PDB Molecule: transcriptional regulatory protein baer; PDBTitle: structure of unphosphorylated baer dimer
11	c1p2fA_			100.0	35	PDB header: transcription Chain: A: PDB Molecule: response regulator; PDBTitle: crystal structure analysis of response regulator drrb, a thermotoga2 maritima ompr/phob homolog

12	c3q9sA_	 Alignment		100.0	41	PDB header: dna binding protein Chain: A: PDB Molecule: dna-binding response regulator; PDBTitle: crystal structure of rra(1-215) from deinococcus radiodurans
13	c5xt2C_	 Alignment		100.0	30	PDB header: dna binding protein Chain: C: PDB Molecule: response regulator fixj; PDBTitle: crystal structures of full-length fixj from b. japonicum crystallized2 in space group p212121
14	c1zn2A_	 Alignment		99.9	29	PDB header: transcription regulator Chain: A: PDB Molecule: response regulatory protein; PDBTitle: low resolution structure of response regulator styr
15	c5f64C_	 Alignment		99.9	20	PDB header: transcription regulator Chain: C: PDB Molecule: positive transcription regulator evga; PDBTitle: putative positive transcription regulator (sensor evgs) from shigella2 flexneri
16	c4hyeB_	 Alignment		99.9	24	PDB header: transcription activator Chain: B: PDB Molecule: response regulator; PDBTitle: crystal structure of a response regulator spr1814 from streptococcus2 pneumoniae reveals unique interdomain contacts among narl family3 proteins
17	c3c3wB_	 Alignment		99.9	27	PDB header: transcription Chain: B: PDB Molecule: two component transcriptional regulatory protein devr; PDBTitle: crystal structure of the mycobacterium tuberculosis hypoxic response2 regulator dosr
18	c2ayxA_	 Alignment		99.9	31	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
19	c5hevC_	 Alignment		99.9	21	PDB header: transcription Chain: C: PDB Molecule: response regulator protein vvar; PDBTitle: crystal structure of the beryllofluoride-activated liar from2 enterococcus faecium
20	c4if4A_	 Alignment		99.9	21	PDB header: transcription Chain: A: PDB Molecule: response regulator protein vvar; PDBTitle: crystal structure of the magnesium and beryllofluoride-activated vvar2 from staphylococcus aureus
21	c3eq2A_	 Alignment	not modelled	99.9	37	PDB header: signaling protein Chain: A: PDB Molecule: probable two-component response regulator; PDBTitle: structure of hexagonal crystal form of pseudomonas aeruginosa rssb
22	c1rn1A_	 Alignment	not modelled	99.9	25	PDB header: signal transduction protein Chain: A: PDB Molecule: nitrate/nitrite response regulator protein narl; PDBTitle: the nitrate/nitrite response regulator protein narl from narl
23	c4qpiC_	 Alignment	not modelled	99.9	36	PDB header: signaling protein/dna binding protein Chain: C: PDB Molecule: cell cycle response regulator ctra; PDBTitle: 2.7 angstrom structure of a phosphotransferase in complex with a2 receiver domain
24	c5uicA_	 Alignment	not modelled	99.9	48	PDB header: transcription Chain: A: PDB Molecule: two-component response regulator; PDBTitle: structure of the francisella response regulator receiver domain, qseb
25	c1ny5A_	 Alignment	not modelled	99.9	28	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulator (ntrc family); PDBTitle: crystal structure of sigm54 activator (aaa+ atpase) in the inactive2 state
26	c3breA_	 Alignment	not modelled	99.9	35	PDB header: signaling protein Chain: A: PDB Molecule: probable two-component response regulator; PDBTitle: crystal structure of p.aeruginosa pa3702
27	c6od1A_	 Alignment	not modelled	99.9	33	PDB header: signaling protein Chain: A: PDB Molecule: regulator of rpos; PDBTitle: irad-bound to rssb d58p variant
28	d1ny5a1	Alianment	not modelled	99.9	28	Fold: Flavodoxin-like Superfamily: CheY-like

						Family: CheY-related
29	d1kgsa2	Alignment	not modelled	99.9	43	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
30	d1ys7a2	Alignment	not modelled	99.9	58	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
31	c1w25B_	Alignment	not modelled	99.9	46	PDB header: signaling protein Chain: B: PDB Molecule: stalked-cell differentiation controlling protein; PDBTitle: response regulator pled in complex with c-digmp
32	c3w9sB_	Alignment	not modelled	99.9	45	PDB header: signaling protein/antimicrobial protein Chain: B: PDB Molecule: ompr family response regulator in two-component regulatory PDBTitle: crystal structure analysis of the n-terminal receiver domain of f2 response regulator pmra
33	c5ep0A_	Alignment	not modelled	99.9	21	PDB header: transcription Chain: A: PDB Molecule: putative repressor protein luxo; PDBTitle: quorum-sensing signal integrator luxo - receiver+catalytic domains
34	d2pl1a1	Alignment	not modelled	99.9	43	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
35	c6ifhA_	Alignment	not modelled	99.9	34	PDB header: transferase Chain: A: PDB Molecule: sporulation initiation phosphotransferase f; PDBTitle: unphosphorylated spo0f from paenisporosarcina sp. tg-14
36	c3dzdA_	Alignment	not modelled	99.9	27	PDB header: transcription regulator Chain: A: PDB Molecule: transcriptional regulator (ntrc family); PDBTitle: crystal structure of sigma54 activator ntrc4 in the inactive2 state
37	d2ayxa1	Alignment	not modelled	99.9	31	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
38	d2a9pa1	Alignment	not modelled	99.9	46	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
39	c3rqia_	Alignment	not modelled	99.9	27	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
40	d1peya_	Alignment	not modelled	99.8	27	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
41	d1jbea_	Alignment	not modelled	99.8	33	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
42	d1mvoa_	Alignment	not modelled	99.8	50	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
43	c2jrlA_	Alignment	not modelled	99.8	31	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulator (ntrc family); PDBTitle: solution structure of the beryll fluoride-activated ntrc4 receiver2 domain dimer
44	c2zwmA_	Alignment	not modelled	99.8	50	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulatory protein yycf; PDBTitle: crystal structure of yycf receiver domain from bacillus2 subtilis
45	c3i5aA_	Alignment	not modelled	99.8	33	PDB header: signaling protein Chain: A: PDB Molecule: response regulator/ggdef domain protein; PDBTitle: crystal structure of full-length wpsr from pseudomonas syringae
46	c3cfyA_	Alignment	not modelled	99.8	25	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative luxo repressor protein; PDBTitle: crystal structure of signal receiver domain of putative luxo repressor2 protein from vibrio parahaemolyticus
47	d1s8na_	Alignment	not modelled	99.8	25	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
48	d1dbwa_	Alignment	not modelled	99.8	29	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
49	d1krwa_	Alignment	not modelled	99.8	34	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
50	c4lzlA_	Alignment	not modelled	99.8	26	PDB header: transcription Chain: A: PDB Molecule: response regulator; PDBTitle: structure of the inactive form of the regulatory domain from the2 repressor of iron transport regulator (ritr)
51	c3hdgE_	Alignment	not modelled	99.8	26	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 wolinnella3 succinogenes
52	c4q7eA_	Alignment	not modelled	99.8	35	PDB header: signaling protein Chain: A: PDB Molecule: response regulator of a two component regulatory system; PDBTitle: non-phosphorylated hemr receiver domain from leptospira biflexa
53	c5e3jB_	Alignment	not modelled	99.8	49	PDB header: transcription Chain: B: PDB Molecule: response regulator rsta; PDBTitle: the response regulator rsta is a potential drug target for2 acinetobacter baumannii
54	d1qkka_	Alignment	not modelled	99.8	28	Fold: Flavodoxin-like Superfamily: CheY-like

				Family:CheY-related		
55	c3cu5B	Alignment	not modelled	99.8	24	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
56	d1w25a1	Alignment	not modelled	99.8	45	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
57	c5m7nA	Alignment	not modelled	99.8	29	PDB header: signaling protein Chain: A: PDB Molecule: nitrogen assimilation regulatory protein; PDBTitle: crystal structure of ntrx from brucella abortus in complex with atp2 processed with the crystaldirect automated mounting and cryo-cooling3 technology
58	c2rjnA	Alignment	not modelled	99.8	17	PDB header: hydrolase Chain: A: PDB Molecule: response regulator receiver:metal-dependent PDBTitle: crystal structure of an uncharacterized protein q2bku2 from2 neptuniibacter caesariensis
59	c5t3yA	Alignment	not modelled	99.8	35	PDB header: signaling protein Chain: A: PDB Molecule: two-component system response regulator; PDBTitle: solution structure of response regulator protein from burkholderia2 multivorans
60	c5o8yG	Alignment	not modelled	99.8	18	PDB header: transcription Chain: G: PDB Molecule: transcriptional regulatory protein rcsb; PDBTitle: conformational dynamism for dna interaction in salmonella typhimurium2 rcsb response regulator.
61	c2qr3A	Alignment	not modelled	99.8	23	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
62	d1zh2a1	Alignment	not modelled	99.8	43	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
63	c4h60A	Alignment	not modelled	99.8	37	PDB header: signaling protein Chain: A: PDB Molecule: chemotaxis protein chey; PDBTitle: high resolution structure of vibrio cholerae chemotaxis protein chey42 crystallized in low ph (4.0) condition
64	c3eulB	Alignment	not modelled	99.8	31	PDB header: transcription Chain: B: PDB Molecule: possible nitrate/nitrite response transcriptional PDBTitle: structure of the signal receiver domain of the putative response2 regulator narl from mycobacterium tuberculosis
65	c3nhzA	Alignment	not modelled	99.8	45	PDB header: dna binding protein Chain: A: PDB Molecule: two component system transcriptional regulator mtra; PDBTitle: structure of n-terminal domain of mtra
66	c5lwkB	Alignment	not modelled	99.8	26	PDB header: transcription Chain: B: PDB Molecule: transcriptional regulatory protein; PDBTitle: maer response regulator bound to beryllium trifluoride
67	c4e7pA	Alignment	not modelled	99.8	26	PDB header: transcription regulator Chain: A: PDB Molecule: response regulator; PDBTitle: crystal structure of receiver domain of putative narl family response2 regulator spr1814 from streptococcus pneumoniae in the presence of3 the phosphoryl analog berylliofluoride
68	c3gt7A	Alignment	not modelled	99.8	32	PDB header: hydrolase Chain: A: PDB Molecule: sensor protein; PDBTitle: crystal structure of signal receiver domain of signal transduction2 histidine kinase from syntrophus aciditrophicus
69	d1zesa1	Alignment	not modelled	99.8	40	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
70	c6ekhY	Alignment	not modelled	99.8	28	PDB header: metal binding protein Chain: Y: PDB Molecule: chemotaxis protein chey; PDBTitle: crystal structure of activated chey from methanococcus maripaludis
71	c2qzjC	Alignment	not modelled	99.8	33	PDB header: transcription Chain: C: PDB Molecule: two-component response regulator; PDBTitle: crystal structure of a two-component response regulator from2 clostridium difficile
72	c3hv2B	Alignment	not modelled	99.8	25	PDB header: signaling protein Chain: B: PDB Molecule: response regulator/hd domain protein; PDBTitle: crystal structure of signal receiver domain of hd domain-containing2 protein from pseudomonas fluorescens pf-5
73	c4eukA	Alignment	not modelled	99.8	32	PDB header: signaling protein Chain: A: PDB Molecule: histidine kinase 5; PDBTitle: crystal structure
74	d1u0sy	Alignment	not modelled	99.8	26	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
75	d1yioa2	Alignment	not modelled	99.8	35	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
76	c6m8oA	Alignment	not modelled	99.8	25	PDB header: signaling protein Chain: A: PDB Molecule: dna-binding response regulator; PDBTitle: crystal structure of the receiver domain of lytr from staphylococcus2 aureus
77	d1dz3a	Alignment	not modelled	99.8	30	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
78	c3to5A	Alignment	not modelled	99.8	27	PDB header: signaling protein Chain: A: PDB Molecule: chey homolog; PDBTitle: high resolution structure of chey3 from vibrio cholerae

79	c3b2nA	Alignment	not modelled	99.8	20	PDB header: transcription Chain: A: PDB Molecule: uncharacterized protein q99uf4; PDBTitle: crystal structure of dna-binding response regulator, luxr family, from2 staphylococcus aureus
80	d1p6qa	Alignment	not modelled	99.8	27	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
81	c3t6kB	Alignment	not modelled	99.8	45	PDB header: signaling protein Chain: B: PDB Molecule: response regulator receiver; PDBTitle: crystal structure of a putative response regulator (caur_3799) from2 chloroflexus aurantiacus j-10-fl at 1.86 a resolution
82	c3jteA	Alignment	not modelled	99.8	24	PDB header: protein binding Chain: A: PDB Molecule: response regulator receiver protein; PDBTitle: crystal structure of response regulator receiver domain protein from2 clostridium thermocellum
83	d1zgza1	Alignment	not modelled	99.8	32	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
84	d1a04a2	Alignment	not modelled	99.8	27	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
85	c3h1gA	Alignment	not modelled	99.8	31	PDB header: signaling protein Chain: A: PDB Molecule: chemotaxis protein chey homolog; PDBTitle: crystal structure of chey mutant t84a of helicobacter pylori
86	c3crnA	Alignment	not modelled	99.8	31	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
87	c3c3mA	Alignment	not modelled	99.8	29	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
88	c5kxbB	Alignment	not modelled	99.8	27	PDB header: signaling protein Chain: B: PDB Molecule: osmolarity two-component system protein ssk1; PDBTitle: co-crystal structure of the saccharomyces cerevisiae histidine2 phosphotransfer signaling protein ypd1 and the receiver domain of its3 downstream response regulator ssk1
89	c2qv0A	Alignment	not modelled	99.8	21	PDB header: transcription Chain: A: PDB Molecule: protein mrke; PDBTitle: crystal structure of the response regulatory domain of protein mrke2 from klebsiella pneumoniae
90	c3cz5B	Alignment	not modelled	99.8	30	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
91	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
92	c5wq0C	Alignment	not modelled	99.8	26	PDB header: signaling protein Chain: C: PDB Molecule: stage 0 sporulation protein; PDBTitle: receiver domain of spo0a from paenispinosarcina sp. tg-14
93	d1xhfa1	Alignment	not modelled	99.8	36	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
94	c5briA	Alignment	not modelled	99.8	28	PDB header: signaling protein Chain: A: PDB Molecule: candidate response regulator, chey; PDBTitle: bacteriophytochrome response regulator rtbrr
95	c5x5IA	Alignment	not modelled	99.8	39	PDB header: dna binding protein Chain: A: PDB Molecule: ader; PDBTitle: crystal structure of response regulator ader receiver domain
96	d1heya	Alignment	not modelled	99.8	31	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
97	c3cnbC	Alignment	not modelled	99.8	21	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
98	c4uhsA	Alignment	not modelled	99.8	49	PDB header: transcription Chain: A: PDB Molecule: transcriptional regulatory protein cpxr; PDBTitle: crystal structure of the receiver domain of cpxr from e. coli2 (tetragonal form)
99	d2r25b1	Alignment	not modelled	99.8	34	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
100	c1a2oB	Alignment	not modelled	99.8	31	PDB header: bacterial chemotaxis Chain: B: PDB Molecule: cheb methyltransferase; PDBTitle: structural basis for methyltransferase cheb regulation by a2 phosphorylation-activated domain
101	c3lteH	Alignment	not modelled	99.8	38	PDB header: transcription Chain: H: PDB Molecule: response regulator; PDBTitle: crystal structure of response regulator (signal receiver domain) from2 bermanella marisrubri
102	c3a0rB	Alignment	not modelled	99.8	37	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)
103	c2rv8A	Alignment	not modelled	99.8	42	PDB header: dna binding protein Chain: A: PDB Molecule: dna-binding response regulator;

103	c21v6A_	Alignment	not modelled	99.8	42	PDBTitle: solution structure of the phop dna-binding domain from mycobacterium2 tuberculosis PDB header: signaling protein
104	c2h9qA_	Alignment	not modelled	99.8	20	Chain: A: PDB Molecule: putative transcriptional regulator; PDBTitle: structure of a atypical orphan response regulator protein revealed a2 new phosphorylation-independent regulatory mechanism
105	c4d6yA_	Alignment	not modelled	99.8	30	PDB header: signaling protein Chain: A: PDB Molecule: bacterial regulatory, fis family protein; PDBTitle: crystal structure of the receiver domain of ntrx from2 brucella abortus in complex with beryll fluoride and3 magnesium
106	c3cg4A_	Alignment	not modelled	99.8	26	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
107	d1k66a_	Alignment	not modelled	99.8	23	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
108	c3khtA_	Alignment	not modelled	99.8	26	PDB header: signaling protein Chain: A: PDB Molecule: response regulator; PDBTitle: crystal structure of response regulator from hahella chejuensis
109	c5tqjA_	Alignment	not modelled	99.8	39	PDB header: signaling protein Chain: A: PDB Molecule: response regulator receiver protein; PDBTitle: crystal structure of response regulator receiver protein from2 burkholderia phymatum
110	c3hebB_	Alignment	not modelled	99.8	23	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
111	c3f6cB_	Alignment	not modelled	99.8	20	PDB header: dna binding protein Chain: B: PDB Molecule: positive transcription regulator evga; PDBTitle: crystal structure of n-terminal domain of positive transcription2 regulator evga from escherichia coli
112	c2qxyB_	Alignment	not modelled	99.8	28	PDB header: transcription Chain: B: PDB Molecule: response regulator; PDBTitle: crystal structure of a response regulator from thermotoga2 maritima
113	c2qv9A_	Alignment	not modelled	99.8	28	PDB header: transferase Chain: A: PDB Molecule: two component response regulator; PDBTitle: the crystal structure of a two-component response regulator2 from legionella pneumophila
114	c3t8yA_	Alignment	not modelled	99.8	29	PDB header: hydrolase Chain: A: PDB Molecule: chemotaxis response regulator protein-glutamate PDBTitle: crystal structure of the response regulator domain of thermotoga2 maritima cheb
115	c3hzhA_	Alignment	not modelled	99.8	21	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
116	c3klnC_	Alignment	not modelled	99.8	12	PDB header: transcription Chain: C: PDB Molecule: transcriptional regulator, luxr family; PDBTitle: vibrio cholerae vpst
117	c2jk1A_	Alignment	not modelled	99.8	23	PDB header: dna-binding Chain: A: PDB Molecule: hydrogenase transcriptional regulatory protein hupr1; PDBTitle: crystal structure of the wild-type hupr receiver domain
118	d1p2fa2	Alignment	not modelled	99.8	35	Fold: Flavodoxin-like Superfamily: CheY-like Family: CheY-related
119	c3kcnA_	Alignment	not modelled	99.8	27	PDB header: lyase Chain: A: PDB Molecule: adenylate cyclase homolog; PDBTitle: the crystal structure of adenylyate cyclase from2 rhodopirellula baltica
120	c4yn8A_	Alignment	not modelled	99.8	25	PDB header: dna binding protein Chain: A: PDB Molecule: response regulator chra; PDBTitle: crystal structure of response regulator chra in heme-sensing two2 component system