







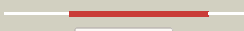

















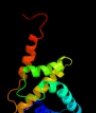






#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1z1bA_	 Alignment		100.0	14	PDB header: dna binding protein/dna Chain: A: PDB Molecule: integrase; PDBTitle: crystal structure of a lambda integrase dimer bound to a2 coc' core site
2	d1p7da_	 Alignment		100.0	14	Fold: DNA breaking-rejoining enzymes Superfamily: DNA breaking-rejoining enzymes Family: Lambda integrase-like, catalytic core
3	c1ma7A_	 Alignment		100.0	13	PDB header: hydrolase, ligase/dna Chain: A: PDB Molecule: cre recombinase; PDBTitle: crystal structure of cre site-specific recombinase2 complexed with a mutant dna substrate, loxp-a8/t27
4	c3nkhB_	 Alignment		100.0	18	PDB header: recombination Chain: B: PDB Molecule: integrase; PDBTitle: crystal structure of integrase from mrsa strain staphylococcus aureus
5	c1craA_	 Alignment		100.0	13	PDB header: replication/dna Chain: A: PDB Molecule: cre recombinase; PDBTitle: cre recombinase/dna complex reaction intermediate i
6	d1aiha_	 Alignment		99.9	17	Fold: DNA breaking-rejoining enzymes Superfamily: DNA breaking-rejoining enzymes Family: Lambda integrase-like, catalytic core
7	c1a0pA_	 Alignment		99.9	22	PDB header: dna recombination Chain: A: PDB Molecule: site-specific recombinase xerd; PDBTitle: site-specific recombinase, xerd
8	c2a3vA_	 Alignment		99.9	19	PDB header: recombination Chain: A: PDB Molecule: site-specific recombinase inti4; PDBTitle: structural basis for broad dna-specificity in integron2 recombination
9	d1a0pa2	 Alignment		99.9	21	Fold: DNA breaking-rejoining enzymes Superfamily: DNA breaking-rejoining enzymes Family: Lambda integrase-like, catalytic core
10	c3ju0A_	 Alignment		99.9	18	PDB header: dna binding protein Chain: A: PDB Molecule: phage integrase; PDBTitle: structure of the arm-type binding domain of hai7 integrase
11	d1ae9a_	 Alignment		99.9	12	Fold: DNA breaking-rejoining enzymes Superfamily: DNA breaking-rejoining enzymes Family: Lambda integrase-like, catalytic core

12	d1f44a2	Alignment		99.9	15	Fold: DNA breaking-rejoining enzymes Superfamily: DNA breaking-rejoining enzymes Family: Lambda integrase-like, catalytic core
13	c3jtzA	Alignment		99.8	17	PDB header: dna binding protein Chain: A: PDB Molecule: integrase; PDBTitle: structure of the arm-type binding domain of hpi integrase
14	d5crxb2	Alignment		99.8	16	Fold: DNA breaking-rejoining enzymes Superfamily: DNA breaking-rejoining enzymes Family: Lambda integrase-like, catalytic core
15	c2khvA	Alignment		99.3	13	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: phage integrase; PDBTitle: solution nmr structure of protein nmul_a0922 from2 nitrospira multiiformis, northeast structural genomics3 consortium target nmr38b.
16	c2kj8A	Alignment		99.2	11	PDB header: dna binding protein Chain: A: PDB Molecule: putative prophage cps-53 integrase; PDBTitle: nmr structure of fragment 87-196 from the putative phage2 integrase ints of e. coli: northeast structural genomics3 consortium target er652a, psi-2
17	c2kj9A	Alignment		99.2	13	PDB header: dna binding protein Chain: A: PDB Molecule: integrase; PDBTitle: nmr structure of intb phage-integrase-like protein fragment2 90-199 from erwinia carotova subsp. atroseptica: northeast3 structural genomics consortium target ewr217e
18	c2kiwA	Alignment		99.1	10	PDB header: dna binding protein Chain: A: PDB Molecule: int protein; PDBTitle: solution nmr structure of the domain n-terminal to the2 integrase domain of sh1003 from staphylococcus3 haemolyticus. northeast structural genomics consortium4 target shr105f (64-166).
19	c2kkvA	Alignment		99.1	8	PDB header: dna binding protein Chain: A: PDB Molecule: integrase; PDBTitle: solution nmr structure of an integrase domain from protein2 spa4288 from salmonella enterica, northeast structural3 genomics consortium target slr105h
20	c2kj5A	Alignment		99.1	13	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: phage integrase; PDBTitle: solution nmr structure of a domain from a putative phage2 integrase protein nmul_a0064 from nitrospira multiiformis,3 northeast structural genomics consortium target nmr46c
21	c2oxoA	Alignment	not modelled	99.0	15	PDB header: dna binding protein Chain: A: PDB Molecule: integrase; PDBTitle: crystallization and structure determination of the core-2 binding domain of bacteriophage lambda integrase
22	c2khqA	Alignment	not modelled	98.9	7	PDB header: dna binding protein Chain: A: PDB Molecule: integrase; PDBTitle: solution nmr structure of a phage integrase ssp19472 fragment 59-159 from staphylococcus saprophyticus,3 northeast structural genomics consortium target syr103b
23	c2kd1A	Alignment	not modelled	98.9	12	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: dna integration/recombination/inversion protein; PDBTitle: solution nmr structure of the integrase-like domain from2 bacillus cereus ordered locus bc_1272. northeast3 structural genomics consortium target bcr268f
24	c2kobA	Alignment	not modelled	98.9	11	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: uncharacterized protein; PDBTitle: solution nmr structure of clolep_01837 (fragment 61-160)2 from clostridium leptum. northeast structural genomics3 consortium target qlr8a
25	c3lysC	Alignment	not modelled	98.8	19	PDB header: recombination Chain: C: PDB Molecule: prophage pi2 protein 01, integrase; PDBTitle: crystal structure of the n-terminal domain of the prophage2 pi2 protein 01 (integrase) from lactococcus lactis,3 northeast structural genomics consortium target kr124f
26	c2kkpA	Alignment	not modelled	98.8	12	PDB header: dna binding protein Chain: A: PDB Molecule: phage integrase; PDBTitle: solution nmr structure of the phage integrase sam-like2 domain from moth 1796 from moorella thermoacetica.3 northeast structural genomics consortium target mtr39k4 (residues 64-171).
						PDB header: structural genomics, unknown function Chain: A: PDB Molecule: putative phage integrase;

27	c2keyA	Alignment	not modelled	98.2	13	PDBTitle: solution nmr structure of a domain from a putative phage integrase2 protein bf2284 from bacteroides fragilis, northeast structural3 genomics consortium target bfr257c
28	c3nrwA	Alignment	not modelled	98.1	11	PDB header: recombination Chain: A: PDB Molecule: phage integrase/site-specific recombinase; PDBTitle: crystal structure of the n-terminal domain of phage integrase/site-2 specific recombinase (tnp) from haloarcula marismortui, northeast3 structural genomics consortium target hmr208a
29	c2v6eB	Alignment	not modelled	97.2	16	PDB header: hydrolase Chain: B: PDB Molecule: protelemorase; PDBTitle: protelomerase telk complexed with substrate dna
30	c2f4gA	Alignment	not modelled	95.5	13	PDB header: isomerase Chain: A: PDB Molecule: type i topoisomerase, putative; PDBTitle: crystal structure of deinococcus radiodurans topoisomerase ib
31	d1a0pa1	Alignment	not modelled	95.0	17	Fold: SAM domain-like Superfamily: lambda integrase-like, N-terminal domain Family: lambda integrase-like, N-terminal domain
32	c2h7fx	Alignment	not modelled	89.6	15	PDB header: isomerase/dna Chain: X: PDB Molecule: dna topoisomerase 1; PDBTitle: structure of variola topoisomerase covalently bound to dna
33	c2b9sA	Alignment	not modelled	73.1	15	PDB header: isomerase/dna Chain: A: PDB Molecule: topoisomerase i-like protein; PDBTitle: crystal structure of heterodimeric l. donovani2 topoisomerase i-vanadate-dna complex
34	c3igmaA	Alignment	not modelled	71.0	10	PDB header: transcription/dna Chain: A: PDB Molecule: pf14_0633 protein; PDBTitle: a 2.2a crystal structure of the ap2 domain of pf14_0633 from p.2 falciparum, bound as a domain-swapped dimer to its cognate dna
35	d1k4ta2	Alignment	not modelled	49.3	15	Fold: DNA breaking-rejoining enzymes Superfamily: DNA breaking-rejoining enzymes Family: Eukaryotic DNA topoisomerase I, catalytic core
36	d1a41a	Alignment	not modelled	47.4	18	Fold: DNA breaking-rejoining enzymes Superfamily: DNA breaking-rejoining enzymes Family: Eukaryotic DNA topoisomerase I, catalytic core
37	d1rr8c1	Alignment	not modelled	36.6	15	Fold: DNA breaking-rejoining enzymes Superfamily: DNA breaking-rejoining enzymes Family: Eukaryotic DNA topoisomerase I, catalytic core
38	d1f44a1	Alignment	not modelled	29.1	12	Fold: SAM domain-like Superfamily: lambda integrase-like, N-terminal domain Family: lambda integrase-like, N-terminal domain
39	d2auwa1	Alignment	not modelled	28.2	17	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: NE0471 C-terminal domain-like
40	c1a31A	Alignment	not modelled	25.2	13	PDB header: isomerase/dna Chain: A: PDB Molecule: protein (topoisomerase i); PDBTitle: human reconstituted dna topoisomerase i in covalent complex2 with a 22 base pair dna duplex
41	d2csba1	Alignment	not modelled	22.7	20	Fold: SAM domain-like Superfamily: RuvA domain 2-like Family: Topoisomerase V repeat domain
42	d1j6xa	Alignment	not modelled	20.7	17	Fold: LuxS/MPP-like metallohydrolase Superfamily: LuxS/MPP-like metallohydrolase Family: Autoinducer-2 production protein LuxS
43	d1e43a1	Alignment	not modelled	16.5	34	Fold: Glycosyl hydrolase domain Superfamily: Glycosyl hydrolase domain Family: alpha-Amylases, C-terminal beta-sheet domain
44	c3sy3D	Alignment	not modelled	15.0	7	PDB header: lyase Chain: D: PDB Molecule: gbaa_1210 protein; PDBTitle: gbaa_1210 protein, a putative adenylate cyclase, from bacillus2 anthracis
45	c3mxnA	Alignment	not modelled	14.5	6	PDB header: replication Chain: A: PDB Molecule: recq-mediated genome instability protein 1; PDBTitle: crystal structure of the rmi core complex
46	d1luxca	Alignment	not modelled	12.4	13	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: GalR/LacI-like bacterial regulator
47	d1vjea	Alignment	not modelled	12.2	33	Fold: LuxS/MPP-like metallohydrolase Superfamily: LuxS/MPP-like metallohydrolase Family: Autoinducer-2 production protein LuxS
48	d1j6wa	Alignment	not modelled	11.9	19	Fold: LuxS/MPP-like metallohydrolase Superfamily: LuxS/MPP-like metallohydrolase Family: Autoinducer-2 production protein LuxS
49	c2j5dA	Alignment	not modelled	11.6	45	PDB header: membrane protein Chain: A: PDB Molecule: bcl2/adenovirus e1b 19 kda protein-interacting PDBTitle: nmr structure of bnip3 transmembrane domain in lipid2 bicelles
50	d1khda1	Alignment	not modelled	11.5	29	Fold: Methionine synthase domain-like Superfamily: Nucleoside phosphorylase/phosphoribosyltransferase N-terminal domain Family: Nucleoside phosphorylase/phosphoribosyltransferase N-terminal domain
51	c1nh3A	Alignment	not modelled	11.2	16	PDB header: isomerase/dna Chain: A: PDB Molecule: dna topoisomerase i; PDBTitle: human topoisomerase i ara-c complex
52	c3hshA	Alignment	not modelled	11.2	13	PDB header: protein binding Chain: A: PDB Molecule: collagen alpha-1(xviii) chain;

52	c3l8nA	Alignment	not modelled	11.2	13	PDBTitle: crystal structure of human collagen xviii trimerization domain2 (tetragonal crystal form) PDB header: membrane protein
53	c3lsoA	Alignment	not modelled	11.1	20	Chain: A: PDB Molecule: putative membrane anchored protein; PDBTitle: crystal structure of putative membrane anchored protein from2 corynebacterium diphtheriae
54	c2l8nA	Alignment	not modelled	10.9	17	PDB header: transcription regulator Chain: A: PDB Molecule: transcriptional repressor cytr; PDBTitle: nmr structure of the cytidine repressor dna binding domain in presence2 of operator half-site dna
55	c2i3eA	Alignment	not modelled	10.2	19	PDB header: hydrolase Chain: A: PDB Molecule: g-rich; PDBTitle: solution structure of catalytic domain of goldfish rich2 protein
56	c2zcyM	Alignment	not modelled	9.5	7	PDB header: hydrolase Chain: M: PDB Molecule: proteasome component pre4; PDBTitle: yeast 20s proteasome:syringolin a-complex
57	c1q7lB	Alignment	not modelled	9.3	12	PDB header: hydrolase Chain: B: PDB Molecule: aminoacylase-1; PDBTitle: zn-binding domain of the t347g mutant of human aminoacylase-2 i
58	c2bpqB	Alignment	not modelled	9.3	10	PDB header: transferase Chain: B: PDB Molecule: anthranilate phosphoribosyltransferase; PDBTitle: anthranilate phosphoribosyltransferase (trpd) from2 mycobacterium tuberculosis (apo structure)
59	c2auwB	Alignment	not modelled	8.8	17	PDB header: unknown function Chain: B: PDB Molecule: hypothetical protein ne0471; PDBTitle: crystal structure of putative dna binding protein ne0471 from2 nitrosomonas europaea atcc 19718
60	d1luxda	Alignment	not modelled	8.6	12	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: GalR/LacI-like bacterial regulator
61	d1m5ya3	Alignment	not modelled	8.1	19	Fold: FKBP-like Superfamily: FKBP-like Family: FKBP immunophilin/proline isomerase
62	d2d3na1	Alignment	not modelled	8.0	24	Fold: Glycosyl hydrolase domain Superfamily: Glycosyl hydrolase domain Family: alpha-Amylases, C-terminal beta-sheet domain
63	d2cqra1	Alignment	not modelled	7.8	13	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Myb/SANT domain
64	d1okia2	Alignment	not modelled	7.8	19	Fold: gamma-Crystallin-like Superfamily: gamma-Crystallin-like Family: Crystallins/Ca-binding development proteins
65	c2ka2B	Alignment	not modelled	6.9	42	PDB header: membrane protein Chain: B: PDB Molecule: bcl2/adenovirus e1b 19 kda protein-interacting PDBTitle: solution nmr structure of bnip3 transmembrane peptide dimer2 in detergent micelles with his173-ser172 intermonomer3 hydrogen bond restraints
66	c2ka2A	Alignment	not modelled	6.9	42	PDB header: membrane protein Chain: A: PDB Molecule: bcl2/adenovirus e1b 19 kda protein-interacting PDBTitle: solution nmr structure of bnip3 transmembrane peptide dimer2 in detergent micelles with his173-ser172 intermonomer3 hydrogen bond restraints
67	c2ka1A	Alignment	not modelled	6.9	42	PDB header: membrane protein Chain: A: PDB Molecule: bcl2/adenovirus e1b 19 kda protein-interacting PDBTitle: solution nmr structure of bnip3 transmembrane peptide dimer2 in detergent micelles
68	c2ka1B	Alignment	not modelled	6.9	42	PDB header: membrane protein Chain: B: PDB Molecule: bcl2/adenovirus e1b 19 kda protein-interacting PDBTitle: solution nmr structure of bnip3 transmembrane peptide dimer2 in detergent micelles
69	d1x48a1	Alignment	not modelled	6.9	11	Fold: dsRBD-like Superfamily: dsRNA-binding domain-like Family: Double-stranded RNA-binding domain (dsRBD)
70	d2gf5a1	Alignment	not modelled	6.6	17	Fold: DEATH domain Superfamily: DEATH domain Family: DEATH domain, DD
71	d1lcda	Alignment	not modelled	6.5	17	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: GalR/LacI-like bacterial regulator
72	d1ryp2	Alignment	not modelled	6.4	7	Fold: Ntn hydrolase-like Superfamily: N-terminal nucleophile aminohydrolases (Ntn hydrolases) Family: Proteasome subunits
73	d2izva1	Alignment	not modelled	6.4	27	Fold: SOCS box-like Superfamily: SOCS box-like Family: SOCS box-like
74	d2i2la1	Alignment	not modelled	6.4	24	Fold: YopX-like Superfamily: YopX-like Family: YopX-like
75	d1v8ga1	Alignment	not modelled	6.2	27	Fold: Methionine synthase domain-like Superfamily: Nucleoside phosphorylase/phosphoribosyltransferase N-terminal domain Family: Nucleoside phosphorylase/phosphoribosyltransferase N-terminal domain
76	d2gipa1	Alignment	not modelled	5.9	22	Fold: Glycosyl hydrolase domain Superfamily: Glycosyl hydrolase domain Family: alpha-Amylases, C-terminal beta-sheet domain
						Fold: Barrel-sandwich hybrid

77	dlvkza1	Alignment	not modelled	5.8	24	Superfamily: Rudiment single hybrid motif Family: BC C-terminal domain-like
78	c2jzvA	Alignment	not modelled	5.6	23	PDB header: isomerase Chain: A: PDB Molecule: foldase protein prsa; PDBTitle: solution structure of s. aureus prsa-ppiase
79	c2bgcA	Alignment	not modelled	5.5	18	PDB header: transcription Chain: A: PDB Molecule: prfa; PDBTitle: prfa-g145s, a constitutive active mutant of the2 transcriptional regulator in l.monocytogenes
80	dlj98a	Alignment	not modelled	5.5	16	Fold: LuxS/MPP-like metallohydrolase Superfamily: LuxS/MPP-like metallohydrolase Family: Autoinducer-2 production protein LuxS
81	dlqpza1	Alignment	not modelled	5.3	17	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: GalR/LacI-like bacterial regulator
82	c2lcvA	Alignment	not modelled	5.3	17	PDB header: transcription regulator Chain: A: PDB Molecule: hth-type transcriptional repressor cytr; PDBTitle: structure of the cytidine repressor dna-binding domain; an alternate2 calculation
83	d2bjca1	Alignment	not modelled	5.1	17	Fold: lambda repressor-like DNA-binding domains Superfamily: lambda repressor-like DNA-binding domains Family: GalR/LacI-like bacterial regulator
84	c2nogA	Alignment	not modelled	5.1	8	PDB header: dna binding protein Chain: A: PDB Molecule: iswi protein; PDBTitle: sant domain structure of xenopus remodeling factor iswi
85	dlxgla1	Alignment	not modelled	5.0	11	Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: DNA-binding domain of telomeric protein
86	dlgsoa1	Alignment	not modelled	5.0	21	Fold: Barrel-sandwich hybrid Superfamily: Rudiment single hybrid motif Family: BC C-terminal domain-like