
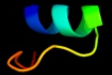


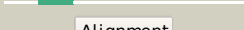











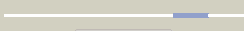
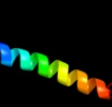





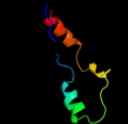


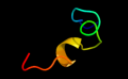

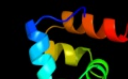
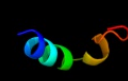



Phyre2

| | |
|---------------|-----------------------------|
| Email | I.a.kelley@imperial.ac.uk |
| Description | P39385 |
| Date | Thu Jan 5 12:00:18 GMT 2012 |
| Unique Job ID | 627cfa026cd6e181 |

Detailed template information

| # | Template | Alignment Coverage | 3D Model | Confidence | % i.d. | Template Information |
|----|-------------------------|---|---|------------|--------|--|
| 1 | dlxg7a_ |  Alignment |  | 48.1 | 30 | Fold: DNA-glycosylase Superfamily: DNA-glycosylase Family: AgoG-like |
| 2 | dlee8a1 |  Alignment |  | 44.6 | 21 | Fold: S13-like H2TH domain Superfamily: S13-like H2TH domain Family: Middle domain of MutM-like DNA repair proteins |
| 3 | dlk3xa1 |  Alignment |  | 42.5 | 13 | Fold: S13-like H2TH domain Superfamily: S13-like H2TH domain Family: Middle domain of MutM-like DNA repair proteins |
| 4 | dltzda1 |  Alignment |  | 37.5 | 17 | Fold: S13-like H2TH domain Superfamily: S13-like H2TH domain Family: Middle domain of MutM-like DNA repair proteins |
| 5 | dlr2za1 |  Alignment |  | 37.5 | 19 | Fold: S13-like H2TH domain Superfamily: S13-like H2TH domain Family: Middle domain of MutM-like DNA repair proteins |
| 6 | c3edyA_ |  Alignment |  | 36.5 | 22 | PDB header: hydrolase Chain: A: PDB Molecule: tripeptidyl-peptidase 1; PDBTitle: crystal structure of the precursor form of human tripeptidyl-peptidase2 1 |
| 7 | dlk82a1 |  Alignment |  | 35.3 | 10 | Fold: S13-like H2TH domain Superfamily: S13-like H2TH domain Family: Middle domain of MutM-like DNA repair proteins |
| 8 | dlxqoa_ |  Alignment |  | 30.6 | 30 | Fold: DNA-glycosylase Superfamily: DNA-glycosylase Family: AgoG-like |
| 9 | c2kncA_ |  Alignment |  | 29.9 | 28 | PDB header: cell adhesion Chain: A: PDB Molecule: integrin alpha-iiB; PDBTitle: platelet integrin alphaIIb-beta3 transmembrane-cytoplasmic2 heterocomplex |
| 10 | c3ee6A_ |  Alignment |  | 29.7 | 22 | PDB header: hydrolase Chain: A: PDB Molecule: tripeptidyl-peptidase 1; PDBTitle: crystal structure analysis of tripeptidyl peptidase -i |
| 11 | dlug3a1 |  Alignment |  | 29.0 | 15 | Fold: alpha-alpha superhelix Superfamily: ARM repeat Family: MIF4G domain-like |

| | | | | | | |
|----|-------------------------|-----------|---|------|----|--|
| 12 | c2lbgA_ | Alignment |  | 27.8 | 46 | PDB header: membrane protein Chain: A: PDB Molecule: major prion protein; PDBTitle: structure of the chr of the prion protein in dpc micelles |
| 13 | d1tlea2 | Alignment |  | 25.9 | 12 | Fold: Ferredoxin-like Superfamily: Protease propeptides/inhibitors Family: Subtilase propeptides/inhibitors |
| 14 | c2k1aA_ | Alignment |  | 25.9 | 28 | PDB header: cell adhesion Chain: A: PDB Molecule: integrin alpha-iiB; PDBTitle: bicelle-embedded integrin alpha(iiB) transmembrane segment |
| 15 | c3h2zA_ | Alignment |  | 25.4 | 18 | PDB header: oxidoreductase Chain: A: PDB Molecule: mannitol-1-phosphate 5-dehydrogenase; PDBTitle: the crystal structure of mannitol-1-phosphate dehydrogenase from2 shigella flexneri |
| 16 | d1t5ja_ | Alignment |  | 24.6 | 18 | Fold: ADP-ribosylglycohydrolase Superfamily: ADP-ribosylglycohydrolase Family: ADP-ribosylglycohydrolase |
| 17 | c3g9dB_ | Alignment |  | 24.3 | 23 | PDB header: hydrolase Chain: B: PDB Molecule: dinitrogenase reductase activating PDBTitle: crystal structure glycohydrolase |
| 18 | d2aq0a1 | Alignment |  | 23.6 | 8 | Fold: SAM domain-like Superfamily: RuvA domain 2-like Family: Hef domain-like |
| 19 | c2qtbB_ | Alignment |  | 22.1 | 27 | PDB header: hydrolase Chain: B: PDB Molecule: poly(adp-ribose) glycohydrolase arh3; PDBTitle: crystal structure of mouse adp-ribosylhydrolase 3 (marh3) |
| 20 | c2r6cG_ | Alignment |  | 21.6 | 15 | PDB header: replication Chain: G: PDB Molecule: dnag primase, helicase binding domain; PDBTitle: crystal form bh2 |
| 21 | c2k7rA_ | Alignment | not modelled | 20.3 | 16 | PDB header: replication Chain: A: PDB Molecule: primosomal protein dnaI; PDBTitle: n-terminal domain of the bacillus subtilis helicase-loading2 protein dnaI |
| 22 | c2wocA_ | Alignment | not modelled | 19.4 | 27 | PDB header: hydrolase Chain: A: PDB Molecule: adp-ribosyl-[dinitrogen reductase] glycohydrolase; PDBTitle: crystal structure of the dinitrogenase reductase-activating2 glycohydrolase (drag) from rhodospirillum rubrum |
| 23 | c2yzwA_ | Alignment | not modelled | 19.2 | 27 | PDB header: hydrolase Chain: A: PDB Molecule: adp-ribosylglycohydrolase; PDBTitle: adp-ribosylglycohydrolase-related protein complex |
| 24 | c1b9uA_ | Alignment | not modelled | 17.8 | 28 | PDB header: hydrolase Chain: A: PDB Molecule: protein (atp synthase); PDBTitle: membrane domain of the subunit b of the e.coli atp synthase |
| 25 | d2gp4a2 | Alignment | not modelled | 16.9 | 13 | Fold: IlvD/EDD N-terminal domain-like Superfamily: IlvD/EDD N-terminal domain-like Family: IlvD/EDD N-terminal domain-like |
| 26 | d1rh5b_ | Alignment | not modelled | 16.8 | 22 | Fold: Single transmembrane helix Superfamily: Preprotein translocase SecE subunit Family: Preprotein translocase SecE subunit |
| 27 | c1ug3A_ | Alignment | not modelled | 15.7 | 15 | PDB header: translation Chain: A: PDB Molecule: eukaryotic protein synthesis initiation factor PDBTitle: c-terminal portion of human eif4gi |
| 28 | d2piha1 | Alignment | not modelled | 15.0 | 5 | Fold: YheA-like Superfamily: YheA/YmcA-like Family: YmcA-like |

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|----|-------------------------|-----------|--------------|------|----|--|
| 29 | c2pihA | Alignment | not modelled | 15.0 | 5 | PDB header: structural genomics, unknown function Chain: A: PDB Molecule: protein ymca; PDBTitle: crystal structure of protein ymca from bacillus subtilis,2 northeast structural genomics target sr375 |
| 30 | c2kncB | Alignment | not modelled | 14.8 | 14 | PDB header: cell adhesion Chain: B: PDB Molecule: integrin beta-3; PDBTitle: platelet integrin alfaib-beta3 transmembrane-cytoplasmic2 heterocomplex |
| 31 | c2f5qA | Alignment | not modelled | 14.6 | 19 | PDB header: hydrolase/dna Chain: A: PDB Molecule: formamidopyrimidine-dna glycosidase; PDBTitle: catalytically inactive (e3q) mutm crosslinked to oxog:c2 containing dna cc2 |
| 32 | c3hd7A | Alignment | not modelled | 13.9 | 6 | PDB header: exocytosis Chain: A: PDB Molecule: vesicle-associated membrane protein 2; PDBTitle: helical extension of the neuronal snare complex into the membrane,2 spacegroup c 1 2 1 |
| 33 | d1v54d | Alignment | not modelled | 13.9 | 13 | Fold: Single transmembrane helix Superfamily: Mitochondrial cytochrome c oxidase subunit IV Family: Mitochondrial cytochrome c oxidase subunit IV |
| 34 | c3qngD | Alignment | not modelled | 13.8 | 16 | PDB header: membrane protein, transport protein Chain: D: PDB Molecule: pts system, cellobiose-specific iic component; PDBTitle: crystal structure of the transporter chbc, the iic component from the2 n,n'-diacetylchitobiose-specific phosphotransferase system |
| 35 | c2y69Q | Alignment | not modelled | 13.7 | 13 | PDB header: electron transport Chain: Q: PDB Molecule: cytochrome c oxidase subunit 4 isoform 1; PDBTitle: bovine heart cytochrome c oxidase re-refined with molecular2 oxygen |
| 36 | d2a1ja1 | Alignment | not modelled | 13.6 | 8 | Fold: SAM domain-like Superfamily: RuvA domain 2-like Family: Hef domain-like |
| 37 | d2crga1 | Alignment | not modelled | 13.2 | 29 | Fold: DNA/RNA-binding 3-helical bundle Superfamily: Homeodomain-like Family: Myb/SANT domain |
| 38 | c2kluA | Alignment | not modelled | 12.8 | 26 | PDB header: immune system, membrane protein Chain: A: PDB Molecule: t-cell surface glycoprotein cd4; PDBTitle: nmr structure of the transmembrane and cytoplasmic domains2 of human cd4 |
| 39 | c2w2eA | Alignment | not modelled | 12.7 | 10 | PDB header: membrane protein Chain: A: PDB Molecule: aquaporin; PDBTitle: 1.15 angstrom crystal structure of p.pastoris aquaporin,2 aqyl, in a closed conformation at ph 3.5 |
| 40 | d1xi8a3 | Alignment | not modelled | 12.5 | 20 | Fold: Molybdenum cofactor biosynthesis proteins Superfamily: Molybdenum cofactor biosynthesis proteins Family: MoeA central domain-like |
| 41 | c3hfwA | Alignment | not modelled | 12.4 | 20 | PDB header: hydrolase Chain: A: PDB Molecule: protein adp-ribosylarginine hydrolase; PDBTitle: crystal structure of human adp-ribosylhydrolase 1 (harh1) |
| 42 | c2opfA | Alignment | not modelled | 12.2 | 15 | PDB header: hydrolase/dna Chain: A: PDB Molecule: endonuclease viii; PDBTitle: crystal structure of the dna repair enzyme endonuclease-viii (nei)2 from e. coli (r252a) in complex with ap-site containing dna substrate |
| 43 | c2gp4A | Alignment | not modelled | 12.0 | 15 | PDB header: lyase Chain: A: PDB Molecule: 6-phosphogluconate dehydratase; PDBTitle: structure of [fes]cluster-free apo form of 6-phosphogluconate2 dehydratase from shewanella oneidensis |
| 44 | c3a46B | Alignment | not modelled | 11.3 | 13 | PDB header: hydrolase Chain: B: PDB Molecule: formamidopyrimidine-dna glycosylase; PDBTitle: crystal structure of mvnei1/thf complex |
| 45 | c2l23A | Alignment | not modelled | 11.0 | 13 | PDB header: transcription Chain: A: PDB Molecule: mediator of rna polymerase ii transcription subunit 25; PDBTitle: nmr structure of the acid (activator interacting domain) of the human2 mediator med25 protein |
| 46 | c1wazA | Alignment | not modelled | 11.0 | 18 | PDB header: transport protein Chain: A: PDB Molecule: merf; PDBTitle: nmr structure determination of the bacterial mercury2 transporter, merf, in micelles |
| 47 | c3h3pT | Alignment | not modelled | 10.8 | 43 | PDB header: immune system Chain: T: PDB Molecule: 4e10_s0_1tjlc_004_n; PDBTitle: crystal structure of hiv epitope-scaffold 4e10 fv complex |
| 48 | c1q90L | Alignment | not modelled | 10.7 | 30 | PDB header: photosynthesis Chain: L: PDB Molecule: cytochrome b6f complex subunit petl; PDBTitle: structure of the cytochrome b6f (plastohydroquinone : plastocyanin2 oxidoreductase) from chlamydomonas reinhardtii |
| 49 | d1q90L | Alignment | not modelled | 10.7 | 30 | Fold: Single transmembrane helix Superfamily: PetL subunit of the cytochrome b6f complex Family: PetL subunit of the cytochrome b6f complex |
| 50 | c3kvhA | Alignment | not modelled | 10.7 | 17 | PDB header: rna binding protein Chain: A: PDB Molecule: protein syndesmos; PDBTitle: crystal structure of human protein syndesmos (nudt16-like protein) |
| 51 | c1ee8A | Alignment | not modelled | 10.7 | 21 | PDB header: dna binding protein Chain: A: PDB Molecule: mutm (fpg) protein; PDBTitle: crystal structure of mutm (fpg) protein from thermus thermophilus hb8 |
| 52 | c1nnjA | Alignment | not modelled | 10.2 | 15 | PDB header: hydrolase Chain: A: PDB Molecule: formamidopyrimidine-dna glycosylase; PDBTitle: crystal structure complex between the lactococcus lactis fpg and an2 abasic site containing dna |
| 53 | d1ymga1 | Alignment | not modelled | 10.1 | 28 | Fold: Aquaporin-like Superfamily: Aquaporin-like Family: Aquaporin-like |

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|----|-------------------------|-----------|--------------|------|----|--|
| 54 | c1ymgA_ | Alignment | not modelled | 10.1 | 28 | PDB header: membrane protein Chain: A: PDB Molecule: lens fiber major intrinsic protein; PDBTitle: the channel architecture of aquaporin o at 2.2 angstrom resolution |
| 55 | c2hjmB_ | Alignment | not modelled | 9.8 | 21 | PDB header: structural genomics, unknown function Chain: B: PDB Molecule: hypothetical protein pf1176; PDBTitle: crystal structure of a singleton protein pf1176 from p. furiosus |
| 56 | d1k6za_ | Alignment | not modelled | 9.7 | 26 | Fold: Secretion chaperone-like Superfamily: Type III secretory system chaperone-like Family: Type III secretory system chaperone |
| 57 | c2vt2A_ | Alignment | not modelled | 9.5 | 15 | PDB header: transcription Chain: A: PDB Molecule: redox-sensing transcriptional repressor rex; PDBTitle: structure and functional properties of the bacillus2 subtilis transcriptional repressor rex |
| 58 | c3d9sB_ | Alignment | not modelled | 9.4 | 33 | PDB header: membrane protein Chain: B: PDB Molecule: aquaporin-5; PDBTitle: human aquaporin 5 (aqp5) - high resolution x-ray structure |
| 59 | d1rfza_ | Alignment | not modelled | 9.4 | 11 | Fold: YutG-like Superfamily: YutG-like Family: YutG-like |
| 60 | c2zu6E_ | Alignment | not modelled | 9.4 | 13 | PDB header: hydrolase Chain: E: PDB Molecule: programmed cell death protein 4; PDBTitle: crystal structure of the eif4a-pdcd4 complex |
| 61 | c1k82D_ | Alignment | not modelled | 9.3 | 10 | PDB header: hydrolase/dna Chain: D: PDB Molecule: formamidopyrimidine-dna glycosylase; PDBTitle: crystal structure of e.coli formamidopyrimidine-dna2 glycosylase (fpg) covalently trapped with dna |
| 62 | c2kqzA_ | Alignment | not modelled | 9.3 | 4 | PDB header: protein binding Chain: A: PDB Molecule: proteasomal ubiquitin receptor adrm1; PDBTitle: fragment of proteasome protein |
| 63 | d1xova2 | Alignment | not modelled | 9.1 | 13 | Fold: Phosphorylase/hydrolase-like Superfamily: Zn-dependent exopeptidases Family: N-acetylmuramoyl-L-alanine amidase-like |
| 64 | d1ljla_ | Alignment | not modelled | 9.1 | 18 | Fold: Molybdenum cofactor biosynthesis proteins Superfamily: Molybdenum cofactor biosynthesis proteins Family: MogA-like |
| 65 | c2qtqB_ | Alignment | not modelled | 9.0 | 9 | PDB header: transcription Chain: B: PDB Molecule: transcriptional regulator, tetr family; PDBTitle: crystal structure of a predicted dna-binding transcriptional regulator2 (saro_1072) from novosphingobium aromaticivorans dsm at 1.85 a3 resolution |
| 66 | c3c02A_ | Alignment | not modelled | 8.9 | 17 | PDB header: membrane protein Chain: A: PDB Molecule: aquaglyceroporin; PDBTitle: x-ray structure of the aquaglyceroporin from plasmodium falciparum |
| 67 | d1ug8a_ | Alignment | not modelled | 8.8 | 22 | Fold: IF3-like Superfamily: R3H domain Family: R3H domain |
| 68 | c2bcxB_ | Alignment | not modelled | 8.8 | 86 | PDB header: calcium binding protein Chain: B: PDB Molecule: ryanodine receptor 1; PDBTitle: crystal structure of calmodulin in complex with a ryanodine2 receptor peptide |
| 69 | d1jyaa_ | Alignment | not modelled | 8.6 | 26 | Fold: Secretion chaperone-like Superfamily: Type III secretory system chaperone-like Family: Type III secretory system chaperone |
| 70 | d2a4ha1 | Alignment | not modelled | 8.6 | 20 | Fold: Thioredoxin fold Superfamily: Thioredoxin-like Family: Selenoprotein W-related |
| 71 | c2zmeA_ | Alignment | not modelled | 8.5 | 5 | PDB header: protein transport Chain: A: PDB Molecule: vacuolar-sorting protein snf8; PDBTitle: integrated structural and functional model of the human escrt-ii2 complex |
| 72 | c3cuqA_ | Alignment | not modelled | 8.3 | 5 | PDB header: protein transport Chain: A: PDB Molecule: vacuolar-sorting protein snf8; PDBTitle: integrated structural and functional model of the human escrt-ii2 complex |
| 73 | d2cdxa_ | Alignment | not modelled | 8.3 | 20 | Fold: Snake toxin-like Superfamily: Snake toxin-like Family: Snake venom toxins |
| 74 | d1rc2a_ | Alignment | not modelled | 8.3 | 33 | Fold: Aquaporin-like Superfamily: Aquaporin-like Family: Aquaporin-like |
| 75 | d1y0na_ | Alignment | not modelled | 8.2 | 11 | Fold: YehU-like Superfamily: YehU-like Family: YehU-like |
| 76 | c1u0bB_ | Alignment | not modelled | 8.2 | 13 | PDB header: ligase/rna Chain: B: PDB Molecule: cysteinyln trna; PDBTitle: crystal structure of cysteinyln-trna synthetase binary2 complex with trnacs |
| 77 | d1dd4c_ | Alignment | not modelled | 8.2 | 18 | Fold: Ribosomal protein L7/12, oligomerisation (N-terminal) domain Superfamily: Ribosomal protein L7/12, oligomerisation (N-terminal) domain Family: Ribosomal protein L7/12, oligomerisation (N-terminal) domain |
| 78 | c1amlA_ | Alignment | not modelled | 8.1 | 27 | PDB header: serine protease inhibitor Chain: A: PDB Molecule: amyloid a4; PDBTitle: the alzheimer`s disease amyloid a4 peptide (residues 1-40) |
| 79 | d1j4na_ | Alignment | not modelled | 8.1 | 22 | Fold: Aquaporin-like Superfamily: Aquaporin-like |

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|----|-------------------------|-----------|--------------|-----|----|--|
| | | | | | | Family: Aquaporin-like |
| 80 | d1cksA | Alignment | not modelled | 8.1 | 67 | Fold: Cell cycle regulatory proteins Superfamily: Cell cycle regulatory proteins Family: Cell cycle regulatory proteins |
| 81 | c2dzrA | Alignment | not modelled | 8.1 | 29 | PDB header: transcription Chain: A: PDB Molecule: general transcription factor ii-i repeat domain- PDBTitle: solution structure of rsgi ruh-067, a gtf2i domain in human2 cdna |
| 82 | c1dvpA | Alignment | not modelled | 8.0 | 8 | PDB header: transferase Chain: A: PDB Molecule: hepatocyte growth factor-regulated tyrosine PDBTitle: crystal structure of the vhs and fyve tandem domains of hrs,2 a protein involved in membrane trafficking and signal3 transduction |
| 83 | c2jesG | Alignment | not modelled | 8.0 | 20 | PDB header: viral protein Chain: G: PDB Molecule: portal protein; PDBTitle: portal protein from bacteriophage spp1 |
| 84 | d1u5ta1 | Alignment | not modelled | 8.0 | 16 | Fold: DNA/RNA-binding 3-helical bundle Superfamily: "Winged helix" DNA-binding domain Family: Vacuolar sorting protein domain |
| 85 | d2hxja1 | Alignment | not modelled | 7.9 | 22 | Fold: FinO-like Superfamily: FinO-like Family: FinO-like |
| 86 | c2f2bA | Alignment | not modelled | 7.9 | 33 | PDB header: membrane protein Chain: A: PDB Molecule: aquaporin aqpm; PDBTitle: crystal structure of integral membrane protein aquaporin aqpm at 1.68a2 resolution |
| 87 | c3ahhA | Alignment | not modelled | 7.8 | 12 | PDB header: lyase Chain: A: PDB Molecule: xylulose 5-phosphate/fructose 6-phosphate phosphoketolase; PDBTitle: h142a mutant of phosphoketolase from bifidobacterium breve complexed2 with acetyl thiamine diphosphate |
| 88 | c1m5iA | Alignment | not modelled | 7.8 | 13 | PDB header: antitumor protein Chain: A: PDB Molecule: apc protein; PDBTitle: crystal structure of the coiled coil region 129-250 of the2 tumor suppressor gene product apc |
| 89 | d1hq1a | Alignment | not modelled | 7.7 | 35 | Fold: Signal peptide-binding domain Superfamily: Signal peptide-binding domain Family: Signal peptide-binding domain |
| 90 | c2yqkA | Alignment | not modelled | 7.7 | 26 | PDB header: transcription/apoptosis Chain: A: PDB Molecule: arginine-glutamic acid dipeptide repeats protein; PDBTitle: solution structure of the sant domain in arginine-glutamic2 acid dipeptide (re) repeats |
| 91 | c1zaxZ | Alignment | not modelled | 7.7 | 18 | PDB header: structural protein Chain: Z: PDB Molecule: 50s ribosomal protein l7/l12; PDBTitle: ribosomal protein l10-l12(ntd) complex, space group p212121,2 form b |
| 92 | c1zawV | Alignment | not modelled | 7.7 | 18 | PDB header: structural protein Chain: V: PDB Molecule: 50s ribosomal protein l7/l12; PDBTitle: ribosomal protein l10-l12(ntd) complex, space group p212121,2 form a |
| 93 | d1rka2 | Alignment | not modelled | 7.6 | 12 | Fold: Tetracyclin repressor-like, C-terminal domain Superfamily: Tetracyclin repressor-like, C-terminal domain Family: Tetracyclin repressor-like, C-terminal domain |
| 94 | c1dfwA | Alignment | not modelled | 7.6 | 54 | PDB header: immune system Chain: A: PDB Molecule: lung surfactant protein b; PDBTitle: conformational mapping of the n-terminal segment of2 surfactant protein b in lipid using 13c-enhanced fourier3 transform infrared spectroscopy (ftir) |
| 95 | d1qb2a | Alignment | not modelled | 7.6 | 18 | Fold: Signal peptide-binding domain Superfamily: Signal peptide-binding domain Family: Signal peptide-binding domain |
| 96 | d1sb0a | Alignment | not modelled | 7.6 | 14 | Fold: Kix domain of CBP (creb binding protein) Superfamily: Kix domain of CBP (creb binding protein) Family: Kix domain of CBP (creb binding protein) |
| 97 | c3llqB | Alignment | not modelled | 7.5 | 25 | PDB header: membrane protein Chain: B: PDB Molecule: aquaporin z 2; PDBTitle: aquaporin structure from plant pathogen agrobacterium tumerfaciens |
| 98 | c2krxA | Alignment | not modelled | 7.5 | 33 | PDB header: structural genomics, unknown function Chain: A: PDB Molecule: asl3597 protein; PDBTitle: solution nmr structure of asl3597 from nostoc sp. pcc7120. northeast2 structural genomics consortium target id nsr244. |
| 99 | c1jauA | Alignment | not modelled | 7.5 | 33 | PDB header: viral protein Chain: A: PDB Molecule: transmembrane glycoprotein (gp41); PDBTitle: nmr solution structure of the tp-rich peptide of hiv gp412 bound to dpc micelles |