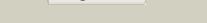
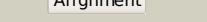


Phyre²

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Description	P23865
Date	Thu Jan 5 11:40:05 GMT 2012
Unique Job ID	b39bc56f4c0c53fa

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1fc9A_			100.0	27	PDB header: hydrolase Chain: A: PDB Molecule: photosystem ii d1 protease; PDBTitle: photosystem ii d1 c-terminal processing protease
2	c3k50A_			100.0	15	PDB header: hydrolase Chain: A: PDB Molecule: putative s41 protease; PDBTitle: crystal structure of putative s41 protease (yp_211611.1) from2 bacteroides fragilis nctc 9343 at 2.00 a resolution
3	c1k32E_			100.0	15	PDB header: hydrolase Chain: E: PDB Molecule: tricorn protease; PDBTitle: crystal structure of the tricorn protease
4	c1n6dE_			100.0	15	PDB header: hydrolase Chain: E: PDB Molecule: tricorn protease; PDBTitle: tricorn protease in complex with tetrapeptide chloromethyl2 ketone derivative
5	d1fc6a4			100.0	28	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Tail specific protease, catalytic domain
6	c3djaA_			100.0	22	PDB header: transferase Chain: A: PDB Molecule: protein ct_858; PDBTitle: crystal structure of cpaf solved with mad
7	d1j7xa_			100.0	24	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Tail specific protease, catalytic domain
8	d1k32a4			100.0	18	Fold: ClpP/crotonase Superfamily: ClpP/crotonase Family: Tail specific protease, catalytic domain
9	c3shwA_			99.7	12	PDB header: cell adhesion Chain: A: PDB Molecule: tight junction protein zo-1; PDBTitle: crystal structure of zo-1 pdz3-sh3-guk supramodule complex with2 connexin-45 peptide
10	d1fc6a3			99.6	35	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: Tail specific protease PDZ domain
11	d1wifa_			99.3	24	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain

12	c2edzA			99.1	25	PDB header: signaling protein Chain: A: PDB Molecule: pdz domain-containing protein 1; PDBTitle: solution structures of the pdz domain of mus musculus pdz2 domain-containing protein 1
13	c2krgA			99.1	31	PDB header: signaling protein Chain: A: PDB Molecule: na(+)/h(+) exchange regulatory cofactor nhe-1f1; PDBTitle: solution structure of human sodium/ hydrogen exchange2 regulatory factor 1(150-358)
14	d1w9ea1			99.1	21	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
15	c3k1rA			99.1	25	PDB header: structural protein Chain: A: PDB Molecule: harmonin; PDBTitle: structure of harmonin npdz1 in complex with the same pbm of 2 sans
16	d2z9ia1			99.1	27	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: HtrA-like serine proteases
17	c2qktB			99.1	20	PDB header: peptide binding protein Chain: B: PDB Molecule: inactivation-no-after-potential d protein; PDBTitle: crystal structure of the 5th pdz domain of inad
18	d1qua			99.0	22	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
19	c2komA			99.0	19	PDB header: signaling protein Chain: A: PDB Molecule: partitioning defective 3 homolog; PDBTitle: solution structure of human par-3b pdz2 (residues 451-549)
20	d1ueqa			99.0	33	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
21	c3eggC		not modelled	99.0	26	PDB header: hydrolase Chain: C: PDB Molecule: spinophilin; PDBTitle: crystal structure of a complex between protein phosphatase 1 alpha2 (pp1) and the pp1 binding and pdz domains of spinophilin
22	c2kjda		not modelled	99.0	31	PDB header: signaling protein Chain: A: PDB Molecule: sodium/hydrogen exchange regulatory cofactor nhe-1f1; PDBTitle: solution structure of extended pdz2 domain from nherf1 (150-2 270)
23	c3diwB		not modelled	99.0	25	PDB header: signaling protein/cell adhesion Chain: B: PDB Molecule: tax1-binding protein 3; PDBTitle: c-terminal beta-catenin bound tip-1 structure
24	c2e7ka		not modelled	99.0	28	PDB header: membrane protein Chain: A: PDB Molecule: maguk p55 subfamily member 2; PDBTitle: solution structure of the pdz domain from human maguk p552 subfamily member 2
25	c2vsvB		not modelled	99.0	21	PDB header: protein-binding Chain: B: PDB Molecule: rhophilin-2; PDBTitle: crystal structure of the pdz domain of human rhophilin-2
26	c2eaqA		not modelled	99.0	17	PDB header: metal binding protein Chain: A: PDB Molecule: lim domain only protein 7; PDBTitle: crystal structure of pdz domain of kiaa0858 (lim), ms07932 from homo sapiens
27	d1wg6a		not modelled	98.9	23	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
28	d1d5ga		not modelled	98.9	19	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain

29	d1t2ma1		Alignment	not modelled	98.9	24	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
30	d2fe5a1		Alignment	not modelled	98.9	26	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
31	c3I4fD_		Alignment	not modelled	98.9	21	PDB header: signaling protein/protein binding Chain: D: PDB Molecule: sh3 and multiple ankyrin repeat domains protein PDBTitle: crystal structure of betapix coiled-coil domain and shank2 pdz complex
32	c3ggeA_		Alignment	not modelled	98.9	25	PDB header: protein binding Chain: A: PDB Molecule: pdz domain-containing protein gipc2; PDBTitle: crystal structure of the pdz domain of pdz domain-containing protein2 gipc2
33	c2v90E_		Alignment	not modelled	98.9	29	PDB header: protein-binding Chain: E: PDB Molecule: pdz domain-containing protein 3; PDBTitle: crystal structure of the 3rd pdz domain of intestine- and2 kidney-enriched pdz domain ikepp (pdzd3)
34	d1va8a1		Alignment	not modelled	98.9	23	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
35	c1w9qB_		Alignment	not modelled	98.9	22	PDB header: cell adhesion Chain: B: PDB Molecule: syntenin 1; PDBTitle: crystal structure of the pdz tandem of human syntenin in2 complex with tnefap peptide
36	c2jikB_		Alignment	not modelled	98.9	26	PDB header: membrane protein Chain: B: PDB Molecule: synaptotjanin-2 binding protein; PDBTitle: crystal structure of pdz domain of synaptotjanin-2 binding2 protein
37	c2he4A_		Alignment	not modelled	98.9	32	PDB header: structural genomics, unknown function Chain: A: PDB Molecule: na(+) / h(+) exchange regulatory cofactor nhe-rf2; PDBTitle: the crystal structure of the second pdz domain of human2 nherf-2 (slc9a3r2) interacting with a mode 1 pdz binding3 motif
38	c2jiIA_		Alignment	not modelled	98.9	25	PDB header: membrane protein Chain: A: PDB Molecule: glutamate receptor interacting protein-1; PDBTitle: crystal structure of 2nd pdz domain of glutamate receptor2 interacting protein-1 (grip1)
39	d2byga1		Alignment	not modelled	98.9	24	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
40	c2xkxB_		Alignment	not modelled	98.9	29	PDB header: structural protein Chain: B: PDB Molecule: disks large homolog 4; PDBTitle: single particle analysis of psd-95 in negative stain
41	c2d92A_		Alignment	not modelled	98.9	25	PDB header: protein binding Chain: A: PDB Molecule: inad-like protein; PDBTitle: solution structure of the fifth pdz domain of inad-like2 protein
42	c2omjA_		Alignment	not modelled	98.9	30	PDB header: cell adhesion Chain: A: PDB Molecule: rho guanine nucleotide exchange factor 12; PDBTitle: solution structure of larg pdz domain
43	d1x5qa1		Alignment	not modelled	98.9	29	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
44	d1ry4a_		Alignment	not modelled	98.9	23	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
45	d1nf3c_		Alignment	not modelled	98.9	21	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
46	c2vwra_		Alignment	not modelled	98.9	26	PDB header: protein-binding Chain: A: PDB Molecule: ligand of numb protein x 2; PDBTitle: crystal structure of the second pdz domain of numb-binding2 protein 2
47	d1wf8a1		Alignment	not modelled	98.9	23	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
48	d1g9oa_		Alignment	not modelled	98.9	26	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
49	c2ogpA_		Alignment	not modelled	98.9	22	PDB header: signaling protein Chain: A: PDB Molecule: partitioning-defective 3 homolog; PDBTitle: solution structure of the second pdz domain of par-3
50	d1oziA_		Alignment	not modelled	98.9	19	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
51	d2fcfa1		Alignment	not modelled	98.9	22	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
52	c2iwnA_		Alignment	not modelled	98.9	21	PDB header: signaling protein Chain: A: PDB Molecule: multiple pdz domain protein; PDBTitle: 3rd pdz domain of multiple pdz domain protein mpdz (casp2 target)
53	c2i04B_		Alignment	not modelled	98.9	34	PDB header: peptide binding protein Chain: B: PDB Molecule: membrane-associated guanylate kinase, ww and pdz PDBTitle: x-ray crystal structure of magi-1 pdz1 bound to the c-2 terminal peptide of hpv18 e6
54	c3khfA_		Alignment	not modelled	98.9	29	PDB header: transferase Chain: A: PDB Molecule: microtubule-associated serine/threonine-protein PDBTitle: the crystal structure of the pdz domain of human

						microtubule2 associated serine/threonine kinase 3 (mast3)
55	d1um1a	Alignment	not modelled	98.9	28	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
56	c2dm8A	Alignment	not modelled	98.9	21	PDB header: protein binding Chain: A: PDB Molecule: inad-like protein; PDBTitle: solution structure of the eighth pdz domain of human inad-2 like protein
57	c2ejyA	Alignment	not modelled	98.9	22	PDB header: membrane protein Chain: A: PDB Molecule: 55 kda erythrocyte membrane protein; PDBTitle: solution structure of the p55 pdz t85c domain complexed2 with the glycophorin c f127c peptide
58	c3qikA	Alignment	not modelled	98.9	22	PDB header: hydrolase regulator Chain: A: PDB Molecule: phosphatidylinositol 3,4,5-trisphosphate-dependent rac PDBTitle: crystal structure of the first pdz domain of prex1
59	c2dluA	Alignment	not modelled	98.9	26	PDB header: protein binding Chain: A: PDB Molecule: inad-like protein; PDBTitle: solution structure of the second pdz domain of human inad-2 like protein
60	c2dmzA	Alignment	not modelled	98.9	21	PDB header: protein binding Chain: A: PDB Molecule: inad-like protein; PDBTitle: solution structure of the third pdz domain of human inad-2 like protein
61	c2k1zA	Alignment	not modelled	98.9	21	PDB header: signaling protein Chain: A: PDB Molecule: partitioning-defective 3 homolog; PDBTitle: solution structure of par-3 pdz3
62	c2iwoA	Alignment	not modelled	98.9	24	PDB header: signaling protein Chain: A: PDB Molecule: multiple pdz domain protein; PDBTitle: 12th pdz domain of multiple pdz domain protein mpdz (casp2 target)
63	d1whaa	Alignment	not modelled	98.9	22	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
64	c1z87A	Alignment	not modelled	98.8	27	PDB header: protein binding Chain: A: PDB Molecule: alpha-1-syntrophin; PDBTitle: solution structure of the split ph-pdz supramodule of alpha-2 syntrophin
65	c3shuB	Alignment	not modelled	98.8	26	PDB header: cell adhesion Chain: B: PDB Molecule: tight junction protein zo-1; PDBTitle: crystal structure of zo-1 pdz3
66	d1uhpa	Alignment	not modelled	98.8	19	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
67	d1n7ea	Alignment	not modelled	98.8	25	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
68	c2jreA	Alignment	not modelled	98.8	29	PDB header: de novo protein Chain: A: PDB Molecule: c60-1 pdz domain peptide; PDBTitle: c60-1, a pdz domain designed using statistical coupling2 analysis
69	c2jxoA	Alignment	not modelled	98.8	29	PDB header: protein binding Chain: A: PDB Molecule: ezrin-radixin-moesin-binding phosphoprotein 50; PDBTitle: structure of the second pdz domain of nherf-1
70	d1qlca	Alignment	not modelled	98.8	28	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
71	d2f5ya1	Alignment	not modelled	98.8	19	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
72	c2yt7A	Alignment	not modelled	98.8	28	PDB header: protein transport Chain: A: PDB Molecule: amyloid beta a4 precursor protein-binding family PDBTitle: solution structure of the pdz domain of amyloid beta a42 precursor protein-binding family a member 3
73	c2djta	Alignment	not modelled	98.8	21	PDB header: signaling protein Chain: A: PDB Molecule: unnamed protein product; PDBTitle: solution structures of the pdz domain of human unnamed2 protein product
74	c2dazA	Alignment	not modelled	98.8	25	PDB header: protein binding Chain: A: PDB Molecule: inad-like protein; PDBTitle: solution structure of the 7th pdz domain of inad-like2 protein
75	d1be9a	Alignment	not modelled	98.8	26	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
76	d1ihja	Alignment	not modelled	98.8	31	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
77	d1kwaa	Alignment	not modelled	98.8	18	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
78	c2egkC	Alignment	not modelled	98.8	27	PDB header: protein binding Chain: C: PDB Molecule: general receptor for phosphoinositides 1- PDBTitle: crystal structure of tamalin pdz-intrinsic ligand fusion2 protein
79	c1u38A	Alignment	not modelled	98.8	32	PDB header: protein transport Chain: A: PDB Molecule: amyloid beta a4 precursor protein-binding, PDBTitle: auto-inhibition mechanism of x11s/mints family scaffold2 proteins revealed by the closed conformation of the tandem3 pdz domains
						Fold: PDZ domain-like

80	d1pdra	Alignment	not modelled	98.8	29	Superfamily: PDZ domain-like Family: PDZ domain
81	d2f0aa1	Alignment	not modelled	98.8	23	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
82	d1p1da2	Alignment	not modelled	98.8	20	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
83	d1whda	Alignment	not modelled	98.8	18	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
84	d1rzxa	Alignment	not modelled	98.8	23	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
85	c1u37A	Alignment	not modelled	98.8	32	PDB header: protein transport Chain: A: PDB Molecule: amyloid beta a4 precursor protein-binding, PDBTitle: auto-inhibition mechanism of x11s/mints family scaffold2 proteins revealed by the closed conformation of the tandem3 pdz domains
86	c2gzvA	Alignment	not modelled	98.8	24	PDB header: signaling protein Chain: A: PDB Molecule: prkca-binding protein; PDBTitle: the crystal structure of the pdz domain of human pick1 (casp target)
87	d1uf1a	Alignment	not modelled	98.8	23	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
88	c2opgB	Alignment	not modelled	98.8	21	PDB header: structural protein Chain: B: PDB Molecule: multiple pdz domain protein; PDBTitle: the crystal structure of the 10th pdz domain of mpdz
89	d1tp5a1	Alignment	not modelled	98.8	28	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
90	d1m5za	Alignment	not modelled	98.8	20	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
91	d1wi4a1	Alignment	not modelled	98.8	19	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
92	c2dkrA	Alignment	not modelled	98.8	23	PDB header: protein transport Chain: A: PDB Molecule: lin-7 homolog b; PDBTitle: solution structure of the pdz domain from human lin-72 homolog b
93	d1y6ba	Alignment	not modelled	98.8	19	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
94	c3hpmA	Alignment	not modelled	98.8	20	PDB header: protein binding Chain: A: PDB Molecule: protein interacting with prkca 1; PDBTitle: oxidized dimeric pick1 pdz c46g mutant in complex with the carboxyl2 tail peptide of glur2
95	c2q3gA	Alignment	not modelled	98.8	22	PDB header: structural genomics Chain: A: PDB Molecule: pdz and lim domain protein 7; PDBTitle: structure of the pdz domain of human pdlim7 bound to a c-2 terminal extension from human beta-tropomyosin
96	d1v62a	Alignment	not modelled	98.8	23	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
97	c2eehA	Alignment	not modelled	98.8	17	PDB header: metal binding protein Chain: A: PDB Molecule: pdz domain-containing protein 7; PDBTitle: solution structure of first pdz domain of pdz domain2 containing protein 7
98	d1rgra	Alignment	not modelled	98.8	32	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
99	c2v1wB	Alignment	not modelled	98.8	22	PDB header: structural protein Chain: B: PDB Molecule: pdz and lim domain protein 4; PDBTitle: crystal structure of human lim protein ril (pdlim4) pdz2 domain bound to the c-terminal peptide of human alpha-3 actinin-1
100	d1qava	Alignment	not modelled	98.8	28	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
101	d1i16a	Alignment	not modelled	98.8	24	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: Interleukin 16
102	d2cssa1	Alignment	not modelled	98.8	17	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
103	c2fneB	Alignment	not modelled	98.8	26	PDB header: structural genomics, unknown function Chain: B: PDB Molecule: multiple pdz domain protein; PDBTitle: the crystal structure of the 13th pdz domain of mpdz
104	d1ujda	Alignment	not modelled	98.8	13	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
105	c3o46A	Alignment	not modelled	98.8	20	PDB header: protein binding Chain: A: PDB Molecule: maguk p55 subfamily member 7; PDBTitle: crystal structure of the pdz domain of mpp7
106	d1q3oa	Alignment	not modelled	98.8	20	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain

107	d1q7xa	Alignment	not modelled	98.8	20	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
108	d1vaea	Alignment	not modelled	98.8	22	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
109	c3qgID	Alignment	not modelled	98.7	26	PDB header: protein binding Chain: D: PDB Molecule: sorting nexin-27; PDBTitle: crystal structure of pdz domain of sorting nexin 27 (snx27) in complex2 with the eseskv peptide corresponding to the c-terminal tail of girk3
110	d1wfga	Alignment	not modelled	98.7	19	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
111	c3b76A	Alignment	not modelled	98.7	25	PDB header: ligase Chain: A: PDB Molecule: e3 ubiquitin-protein ligase lnx; PDBTitle: crystal structure of the third pdz domain of human ligand-of-numb2 protein-x (lnx1) in complex with the c-terminal peptide from the3 coxsackievirus and adenovirus receptor
112	d1zokal	Alignment	not modelled	98.7	31	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
113	c2ehrA	Alignment	not modelled	98.7	26	PDB header: structural protein Chain: A: PDB Molecule: inad-like protein; PDBTitle: solution structure of the sixth pdz domain of human inad-2 like protein
114	c2qg1A	Alignment	not modelled	98.7	28	PDB header: signaling protein Chain: A: PDB Molecule: multiple pdz domain protein; PDBTitle: crystal structure of the 11th pdz domain of mpdz (mupp1)
115	c2p3wB	Alignment	not modelled	98.7	22	PDB header: protein binding Chain: B: PDB Molecule: probable serine protease htra3; PDBTitle: crystal structure of the htra3 pdz domain bound to a phage-derived2 ligand (fgrwv)
116	d1rgwa	Alignment	not modelled	98.7	20	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
117	c2ka9A	Alignment	not modelled	98.7	25	PDB header: cell adhesion Chain: A: PDB Molecule: disks large homolog 4; PDBTitle: solution structure of psd-95 pdz12 complexed with cypin2 peptide
118	d1lcya1	Alignment	not modelled	98.7	28	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: HtrA-like serine proteases
119	d1p1da1	Alignment	not modelled	98.7	24	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain
120	d1u3ba2	Alignment	not modelled	98.7	23	Fold: PDZ domain-like Superfamily: PDZ domain-like Family: PDZ domain