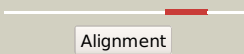

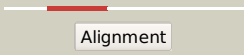

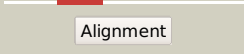



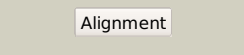

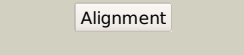
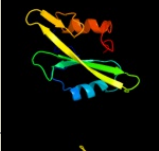
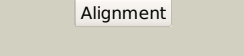

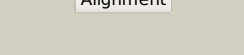
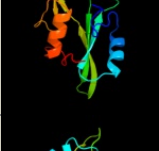
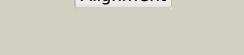
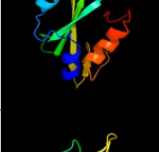
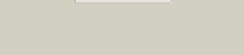
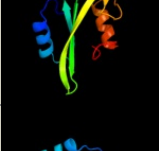















Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	Q967F3
Date	Sat Apr 13 13:12:35 BST 2013
Unique Job ID	801295d60fd67ab0

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2knoA_	 Alignment		99.9	22	PDB header: hydrolase Chain: A: PDB Molecule: tensin-like c1 domain-containing phosphatase; PDBTitle: nmr solution structure of sh2 domain of the human tensin like c12 domain containing phosphatase (tenc1)
2	d1wj1a_	 Alignment		99.9	16	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
3	d1oy2a_	 Alignment		99.8	20	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
4	d1lkka_	 Alignment		99.8	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
5	c3so6A_	 Alignment		99.8	16	PDB header: protein binding/protein transport Chain: A: PDB Molecule: ldl receptor adaptor protein; PDBTitle: crystal structure of the ldl receptor tail in complex with autosomal2 recessive hypercholesterolemia ptb domain
6	d1g83a2	 Alignment		99.8	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
7	d1cwea_	 Alignment		99.8	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
8	d1opka2	 Alignment		99.8	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
9	c2c9wA_	 Alignment		99.8	22	PDB header: transcription regulation Chain: A: PDB Molecule: suppressor of cytokine signaling 2; PDBTitle: crystal structure of socs-2 in complex with elongin-b and2 elongin-c at 1.9a resolution
10	d2oq1a1	 Alignment		99.8	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
11	c2lctA_	 Alignment		99.8	22	PDB header: signaling protein Chain: A: PDB Molecule: proto-oncogene vav; PDBTitle: solution structure of the vav1 sh2 domain complexed with a syk-derived2 doubly phosphorylated peptide

12	c2oq1A	Alignment		99.8	20	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: tandem sh2 domains of zap-70 with 19-mer zeta1 peptide
13	c2dlyA	Alignment		99.8	29	PDB header: transferase Chain: A: PDB Molecule: fyn-related kinase; PDBTitle: solution structure of the sh2 domain of murine fyn-related2 kinase
14	d1ddma	Alignment		99.8	16	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
15	d1luia	Alignment		99.8	20	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
16	c2vifA	Alignment		99.8	19	PDB header: signaling protein Chain: A: PDB Molecule: suppressor of cytokine signalling 6; PDBTitle: crystal structure of socs6 sh2 domain in complex with a c-kit2 phosphopeptide
17	d1a81a1	Alignment		99.8	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
18	c2y3aB	Alignment		99.8	26	PDB header: transferase Chain: B: PDB Molecule: phosphatidylinositol 3-kinase regulatory subunit beta; PDBTitle: crystal structure of p110beta in complex with icsh2 of p85beta and2 the drug gdc-0941
19	c2ekxA	Alignment		99.8	21	PDB header: signaling protein Chain: A: PDB Molecule: cytoplasmic tyrosine-protein kinase bmx; PDBTitle: solution structure of the human bmx sh2 domain
20	d2qmsa1	Alignment		99.8	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
21	d1o48a	Alignment	not modelled	99.8	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
22	d2oq1a2	Alignment	not modelled	99.8	20	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
23	c1ka6A	Alignment	not modelled	99.8	17	PDB header: immune system Chain: A: PDB Molecule: sh2 domain protein 1a; PDBTitle: sap/sh2d1a bound to peptide n-py
24	d1blja	Alignment	not modelled	99.8	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
25	c2m38A	Alignment		99.8	22	PDB header: peptide binding protein Chain: A: PDB Molecule: ankyrin repeat and sterile alpha motif domain-containing PDBTitle: ptb domain of aida1
26	d1qcfa2	Alignment	not modelled	99.8	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
27	d1a81e1	Alignment	not modelled	99.8	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
						PDB header: protein binding

28	c2dyqA	Alignment		99.8	18	Chain: A: PDB Molecule: amyloid beta a4 precursor protein-binding family b member PDBTitle: crystal structure of the c-terminal phosphotyrosine interaction domain2 of human apbb3
29	d1bkla	Alignment	not modelled	99.8	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
30	d1f2fa	Alignment	not modelled	99.8	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
31	d1a81a2	Alignment	not modelled	99.8	20	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
32	d1aqca	Alignment	not modelled	99.7	21	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
33	d2eyva1	Alignment	not modelled	99.7	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
34	c3dxcC	Alignment	not modelled	99.7	17	PDB header: protein binding Chain: C: PDB Molecule: amyloid beta a4 protein-binding family b member PDBTitle: crystal structure of the intracellular domain of human app2 (t668a mutant) in complex with fe65-ptb2
35	c3sv1C	Alignment	not modelled	99.7	22	PDB header: protein binding Chain: C: PDB Molecule: amyloid beta a4 precursor protein-binding family a member PDBTitle: crystal structure of app peptide bound rat mint2 parm
36	c2ge9A	Alignment	not modelled	99.7	24	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase btk; PDBTitle: solution structures of the sh2 domain of bruton's tyrosine2 kinase
37	d1d4ta	Alignment	not modelled	99.7	17	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
38	d1jwoa	Alignment	not modelled	99.7	20	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
39	c2augB	Alignment	not modelled	99.7	24	PDB header: signaling protein Chain: B: PDB Molecule: growth factor receptor-bound protein 14; PDBTitle: crystal structure of the grb14 sh2 domain
40	c4fl2A	Alignment	not modelled	99.7	23	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase syk; PDBTitle: structural and biophysical characterization of the syk activation2 switch
41	d1nrva	Alignment	not modelled	99.7	21	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
42	c2ysxA	Alignment	not modelled	99.7	25	PDB header: signaling protein Chain: A: PDB Molecule: signaling inositol polyphosphate phosphatase PDBTitle: solution structure of the human ship sh2 domain
43	d1k9aa2	Alignment	not modelled	99.7	19	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
44	c2gsbA	Alignment	not modelled	99.7	15	PDB header: signaling protein Chain: A: PDB Molecule: ras gtpase-activating protein 1; PDBTitle: solution structure of the second sh2 domain of human ras2 gtpase-activating protein 1
45	d1csya	Alignment	not modelled	99.7	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
46	d1i3za	Alignment	not modelled	99.7	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
47	d1a81e2	Alignment	not modelled	99.7	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
48	d2izva2	Alignment	not modelled	99.7	21	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
49	d1p3ra	Alignment	not modelled	99.7	17	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
50	c2izvA	Alignment	not modelled	99.7	22	PDB header: transcription Chain: A: PDB Molecule: suppressor of cytokine signaling 4; PDBTitle: crystal structure of socs-4 in complex with elongin-b and2 elongin-c at 2.55a resolution
51	c2ablA	Alignment	not modelled	99.7	29	PDB header: transferase Chain: A: PDB Molecule: abl tyrosine kinase; PDBTitle: sh3-sh2 domain fragment of human bcr-abl tyrosine kinase
52	c2elaB	Alignment	not modelled	99.7	16	PDB header: cell cycle Chain: B: PDB Molecule: adapter protein containing ph domain, ptb domain PDBTitle: crystal structure of the ptb domain of human appl1
53	c2crhA	Alignment	not modelled	99.7	21	PDB header: signaling protein Chain: A: PDB Molecule: vav proto-oncogene; PDBTitle: solution structure of the sh2 domain of human proto-2 oncogene protein vav1 PDB header: signaling protein

54	c2eo3A	Alignment	not modelled	99.7	23	Chain: A: PDB Molecule: crk-like protein; PDBTitle: solution structure of the sh2 domain from human crk-like2 protein
55	d1rjaa	Alignment	not modelled	99.7	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
56	d2c9wa2	Alignment	not modelled	99.7	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
57	c2dlzA	Alignment	not modelled	99.7	16	PDB header: signaling protein Chain: A: PDB Molecule: protein vav-2; PDBTitle: solution structure of the sh2 domain of human protein vav-2
58	c2hmbA	Alignment	not modelled	99.7	22	PDB header: cytokine regulator Chain: A: PDB Molecule: suppressor of cytokine signaling 3; PDBTitle: crystal structure of socs3 in complex with gp130(ptyr757)2 phosphopeptide.
59	c2eo6A	Alignment	not modelled	99.7	16	PDB header: signaling protein Chain: A: PDB Molecule: b-cell linker protein; PDBTitle: solution structure of the sh2 domain from mouse b-cell2 linker protein blk
60	c2hdxB	Alignment	not modelled	99.7	21	PDB header: signaling protein Chain: B: PDB Molecule: sh2-b ph domain containing signaling mediator 1 PDBTitle: crystal structure of the src homology-2 domain of sh2-b in2 complex with jak2 ptyr813 phosphopeptide
61	d1pica	Alignment	not modelled	99.7	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
62	d1r1qa	Alignment	not modelled	99.7	17	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
63	c1a81E	Alignment	not modelled	99.7	23	PDB header: complex (transferase/peptide) Chain: E: PDB Molecule: syk kinase; PDBTitle: crystal structure of the tandem sh2 domain of the syk kinase bound to2 a dually tyrosine-phosphorylated itam
64	c1x27F	Alignment	not modelled	99.7	23	PDB header: signaling protein Chain: F: PDB Molecule: proto-oncogene tyrosine-protein kinase lck; PDBTitle: crystal structure of lck sh2-sh3 with sh2 binding site of2 p130cas
65	c2yszA	Alignment	not modelled	99.7	23	PDB header: protein binding Chain: A: PDB Molecule: amyloid beta a4 precursor protein-binding family PDBTitle: solution structure of the chimera of the c-terminal pid2 domain of fe65l and the c-terminal tail peptide of app
66	c3hizB	Alignment	not modelled	99.7	14	PDB header: transferase/oncoprotein Chain: B: PDB Molecule: phosphatidylinositol 3-kinase regulatory subunit PDBTitle: crystal structure of p110alpha h1047r mutant in complex with2 nish2 of p85alpha
67	c2ozoA	Alignment	not modelled	99.7	20	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: autoinhibited intact human zap-70
68	c2fo0A	Alignment	not modelled	99.7	28	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase abl1 (1b isoform); PDBTitle: organization of the sh3-sh2 unit in active and inactive forms of the2 c-abl tyrosine kinase
69	c3suzA	Alignment	not modelled	99.7	22	PDB header: protein binding Chain: A: PDB Molecule: amyloid beta a4 precursor protein-binding family a member PDBTitle: crystal structure of rat mint2 ppc
70	d1ntva	Alignment	not modelled	99.7	19	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
71	c2eobA	Alignment	not modelled	99.7	19	PDB header: hydrolase Chain: A: PDB Molecule: 1-phosphatidylinositol-4,5-bisphosphate PDBTitle: solution structure of the second sh2 domain from rat plc2 gamma-2
72	c1g83A	Alignment	not modelled	99.7	25	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fyn; PDBTitle: crystal structure of fyn sh3-sh2
73	c3nhnA	Alignment	not modelled	99.7	24	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase hck; PDBTitle: crystal structure of the src-family kinase hck sh3-sh2-linker2 regulatory region
74	c2el8A	Alignment	not modelled	99.7	13	PDB header: signaling protein Chain: A: PDB Molecule: signal-transducing adaptor protein 2; PDBTitle: solution structure of the human stap2 sh2 domain
75	c1y57A	Alignment	not modelled	99.7	22	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: structure of unphosphorylated c-src in complex with an inhibitor
76	c2h8hA	Alignment	not modelled	99.7	21	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: src kinase in complex with a quinazoline inhibitor
77	d2shpa2	Alignment	not modelled	99.7	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
78	d2cs0a1	Alignment	not modelled	99.7	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain

79	d3c7ia1	Alignment	not modelled	99.7	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
80	c2lqnA	Alignment	not modelled	99.7	23	PDB header: signaling protein Chain: A: PDB Molecule: crk-like protein; PDBTitle: solution structure of crkl
81	d1ayaa	Alignment	not modelled	99.6	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
82	d1fhsa	Alignment	not modelled	99.6	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
83	d1mila	Alignment	not modelled	99.6	19	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
84	d2shpa3	Alignment	not modelled	99.6	20	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
85	c2shpa	Alignment	not modelled	99.6	21	PDB header: tyrosine phosphatase Chain: A: PDB Molecule: shp-2; PDBTitle: tyrosine phosphatase shp-2
86	d1qada	Alignment	not modelled	99.6	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
87	c2dm0A	Alignment	not modelled	99.6	22	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase txk; PDBTitle: solution structure of the sh2 domain of human tyrosine-2 protein kinase txk
88	c2ci8A	Alignment	not modelled	99.6	22	PDB header: translation Chain: A: PDB Molecule: cytoplasmic protein nck1; PDBTitle: sh2 domain of human nck1 adaptor protein - uncomplexed
89	c3gqiB	Alignment	not modelled	99.6	19	PDB header: transferase/transferase inhibitor Chain: B: PDB Molecule: phospholipase c-gamma-1; PDBTitle: crystal structure of activated receptor tyrosine kinase in complex2 with substrates
90	c1k9aB	Alignment	not modelled	99.6	20	PDB header: transferase Chain: B: PDB Molecule: carboxyl-terminal src kinase; PDBTitle: crystal structure analysis of full-length carboxyl-terminal2 src kinase at 2.5 a resolution
91	c2kk6A	Alignment	not modelled	99.6	19	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fer; PDBTitle: solution structure of sh2 domain of proto-oncogene tyrosine-2 protein kinase fer from homo sapiens, northeast structural3 genomics consortium (nesg) target hr3461d
92	c1x6cA	Alignment	not modelled	99.6	14	PDB header: signaling protein Chain: A: PDB Molecule: tyrosine-protein phosphatase, non-receptor type PDBTitle: solution structures of the sh2 domain of human protein-2 tyrosine phosphatase shp-1
93	d2fcia1	Alignment	not modelled	99.6	19	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
94	d1rpya	Alignment	not modelled	99.6	19	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
95	d1jyra	Alignment	not modelled	99.6	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
96	c1oplA	Alignment	not modelled	99.6	30	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase; PDBTitle: structural basis for the auto-inhibition of c-abl tyrosine2 kinase
97	d1fu6a	Alignment	not modelled	99.6	15	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
98	c3mazA	Alignment	not modelled	99.6	17	PDB header: signaling protein Chain: A: PDB Molecule: signal-transducing adaptor protein 1; PDBTitle: crystal structure of the human brdg1/stap-1 sh2 domain in complex with2 the ntl ptyr136 peptide
99	c2c0iA	Alignment	not modelled	99.6	24	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase hck; PDBTitle: src family kinase hck with bound inhibitor a-420983
100	c2dcrA	Alignment	not modelled	99.6	19	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fes/fps; PDBTitle: fully automated solution structure determination of the fes2 sh2 domain
101	c1rqcC	Alignment	not modelled	99.6	23	PDB header: transferase/signaling protein Chain: C: PDB Molecule: adaptor protein aps; PDBTitle: crystal structure of the insulin receptor kinase in complex2 with the sh2 domain of aps
102	c2yt1A	Alignment	not modelled	99.5	23	PDB header: protein binding Chain: A: PDB Molecule: amyloid beta a4 protein and amyloid beta a4 PDBTitle: solution structure of the chimera of the c-terminal tail2 peptide of app and the c-terminal pid domain of fe65l
103	c2b3oA	Alignment	not modelled	99.5	14	PDB header: hydrolase Chain: A: PDB Molecule: tyrosine-protein phosphatase, non-receptor type PDBTitle: crystal structure of human tyrosine phosphatase shp-1
104	c3oxyB	Alignment	not modelled	99.5	19	PDB header: transcription Chain: B: PDB Molecule: transcription elongation factor spt6;

104	c9yxb_	Alignment	not modelled	99.5	19	PDBTitle: structure of the sh2 domain of the candida glabrata2 transcription elongation factor spt6, crystal form b
105	d1wgua_	Alignment	not modelled	99.5	24	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
106	c3ps5A_	Alignment		99.5	13	PDB header: hydrolase, signaling protein Chain: A: PDB Molecule: tyrosine-protein phosphatase non-receptor type 6; PDBTitle: crystal structure of the full-length human protein tyrosine2 phosphatase shp-1
107	d2cy5a1	Alignment	not modelled	99.5	21	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
108	d2dkqa1	Alignment	not modelled	99.5	21	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
109	c3d8dA_	Alignment	not modelled	99.4	17	PDB header: protein binding Chain: A: PDB Molecule: amyloid beta a4 precursor protein-binding family b member PDBTitle: crystal structure of the human fe65-ptb1 domain
110	d1wvha1	Alignment	not modelled	99.4	21	Fold: PH domain-like barrel Superfamily: PH domain-like Family: Phosphotyrosine-binding domain (PTB)
111	c2eyzA_	Alignment	not modelled	99.4	23	PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog PDBTitle: ct10-regulated kinase isoform ii
112	d1xa6a2	Alignment	not modelled	99.4	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
113	c2dviA_	Alignment	not modelled	99.4	24	PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog, PDBTitle: phosphorylated crk-ii
114	c3qwxX_	Alignment	not modelled	99.4	21	PDB header: signaling protein Chain: X: PDB Molecule: cell death abnormality protein 2; PDBTitle: ced-2 1-174
115	c3qwyA_	Alignment	not modelled	99.4	21	PDB header: signaling protein Chain: A: PDB Molecule: cell death abnormality protein 2; PDBTitle: ced-2
116	c2eyyA_	Alignment	not modelled	99.4	25	PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog PDBTitle: ct10-regulated kinase isoform i
117	c3or8A_	Alignment	not modelled	99.2	21	PDB header: transcription Chain: A: PDB Molecule: transcription elongation factor spt6; PDBTitle: a tandem sh2 domain in transcription elongation factor spt6
118	d1uura3	Alignment	not modelled	99.2	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
119	c2cr4A_	Alignment	not modelled	99.2	26	PDB header: signaling protein Chain: A: PDB Molecule: sh3 domain-binding protein 2; PDBTitle: solution structure of the sh2 domain of human sh3bp2 protein
120	c2xp1A_	Alignment	not modelled	99.1	19	PDB header: transcription Chain: A: PDB Molecule: spt6; PDBTitle: structure of the tandem sh2 domains from antonospora locustae2 transcription elongation factor spt6