
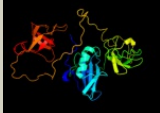

















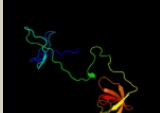









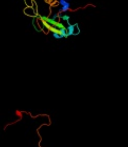
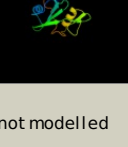


Phyre2

Email	l.a.kelley@imperial.ac.uk
Description	P46109
Date	Sat Jun 16 10:40:36 BST 2012
Unique Job ID	c2d4291e76481a57

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2lqnA_	 Alignment		100.0	100	PDB header: signaling protein Chain: A; PDB Molecule: crk-like protein; PDBTitle: solution structure of crkl
2	c2eyzA_	 Alignment		100.0	61	PDB header: signaling protein Chain: A; PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog PDBTitle: ct10-regulated kinase isoform ii
3	c2dvjA_	 Alignment		100.0	59	PDB header: signaling protein Chain: A; PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog, PDBTitle: phosphorylated crk-ii
4	c2eyvA_	 Alignment		100.0	68	PDB header: signaling protein Chain: A; PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog PDBTitle: ct10-regulated kinase isoform i
5	c3qwxX_	 Alignment		100.0	37	PDB header: signaling protein Chain: X; PDB Molecule: cell death abnormality protein 2; PDBTitle: ced-2 1-174
6	c3qwyA_	 Alignment		100.0	38	PDB header: signaling protein Chain: A; PDB Molecule: cell death abnormality protein 2; PDBTitle: ced-2
7	c2l3sA_	 Alignment		100.0	57	PDB header: structural protein Chain: A; PDB Molecule: autoinhibited crk protein; PDBTitle: structure of the autoinhibited crk
8	c1griA_	 Alignment		100.0	22	PDB header: signal transduction adaptor Chain: A; PDB Molecule: growth factor bound protein 2; PDBTitle: grb2
9	c1ng2A_	 Alignment		100.0	19	PDB header: oxidoreductase activator Chain: A; PDB Molecule: neutrophil cytosolic factor 1; PDBTitle: structure of autoinhibited p47phox
10	c1ov3A_	 Alignment		100.0	18	PDB header: oxidoreductase activator Chain: A; PDB Molecule: neutrophil cytosol factor 1; PDBTitle: structure of the p22phox-p47phox complex
11	c2eo3A_	 Alignment		100.0	100	PDB header: signaling protein Chain: A; PDB Molecule: crk-like protein; PDBTitle: solution structure of the sh2 domain from human crk-like2 protein

12	d2oq1a1	Alignment		99.9	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
13	c2oq1A	Alignment		99.9	28	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: tandem sh2 domains of zap-70 with 19-mer zeta1 peptide
14	c2gsbA	Alignment		99.9	28	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
15	c2dlyA	Alignment		99.9	27	PDB header: transferase Chain: A: PDB Molecule: fyn-related kinase; PDBTitle: solution structure of the sh2 domain of murine fyn-related2 kinase
16	d2eyva1	Alignment		99.9	82	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
17	d1fhsa	Alignment		99.9	21	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
18	c3hizB	Alignment		99.9	29	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
19	c2y3aB	Alignment		99.9	22	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
20	c2fo0A	Alignment		99.9	26	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
21	c3gqiB	Alignment	not modelled	99.9	29	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
22	d2oq1a2	Alignment	not modelled	99.9	32	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
23	d1a81e1	Alignment	not modelled	99.9	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
24	c2dlzA	Alignment	not modelled	99.9	21	PDB header: signaling protein Chain: A: PDB Molecule: protein vav-2; PDBTitle: solution structure of the sh2 domain of human protein vav-2
25	d3c7ia1	Alignment	not modelled	99.9	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
26	c2ablA	Alignment	not modelled	99.9	34	PDB header: transferase Chain: A: PDB Molecule: abl tyrosine kinase; PDBTitle: sh3-sh2 domain fragment of human bcr-abl tyrosine kinase
27	c2shpA	Alignment	not modelled	99.9	22	PDB header: tyrosine phosphatase Chain: A: PDB Molecule: shp-2; PDBTitle: tyrosine phosphatase shp-2
28	d1blja	Alignment	not modelled	99.9	31	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
						Fold: SH2-like

29	d1a81a1	Alignment	not modelled	99.9	22	Superfamily: SH2 domain Family: SH2 domain
30	c2eo6A	Alignment	not modelled	99.9	25	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
31	c2crhA	Alignment	not modelled	99.9	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
32	d2shpa2	Alignment	not modelled	99.9	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
33	d1r1qa	Alignment	not modelled	99.9	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
34	d1a81e2	Alignment	not modelled	99.9	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
35	c2vifA	Alignment	not modelled	99.9	21	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
36	d2izva2	Alignment	not modelled	99.9	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
37	d1rjaa	Alignment	not modelled	99.9	34	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
38	d1csya	Alignment	not modelled	99.9	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
39	d1k9aa2	Alignment	not modelled	99.9	32	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
40	d1a81a2	Alignment	not modelled	99.9	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
41	c2ozoA	Alignment	not modelled	99.9	28	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: autoinhibited intact human zap-70
42	c1k9aB	Alignment	not modelled	99.9	30	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
43	c1op1A	Alignment	not modelled	99.9	26	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase; PDBTitle: structural basis for the auto-inhibition of c-abl tyrosine2 kinase
44	d1jwoa	Alignment	not modelled	99.9	33	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
45	c1ka6A	Alignment	not modelled	99.9	23	PDB header: immune system Chain: A: PDB Molecule: sh2 domain protein 1a; PDBTitle: sap/sh2d1a bound to peptide n-py
46	d1pica	Alignment	not modelled	99.9	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
47	d1opka2	Alignment	not modelled	99.9	34	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
48	d1jyra	Alignment	not modelled	99.9	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
49	d1nrva	Alignment	not modelled	99.9	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
50	c2eobA	Alignment	not modelled	99.9	26	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
51	c1y57A	Alignment	not modelled	99.9	32	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: structure of unphosphorylated c-src in complex with an inhibitor
52	d1lkka	Alignment	not modelled	99.9	33	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
53	c2ci8A	Alignment	not modelled	99.9	29	PDB header: translation Chain: A: PDB Molecule: cytoplasmic protein nck1; PDBTitle: sh2 domain of human nck1 adaptor protein - uncomplexed
54	c2ysxA	Alignment	not modelled	99.9	29	PDB header: signaling protein Chain: A: PDB Molecule: signaling inositol polyphosphate phosphatase PDBTitle: solution structure of the human ship sh2 domain
55	c2b3oA	Alignment	not modelled	99.9	26	PDB header: hydrolase Chain: A: PDB Molecule: tyrosine-protein phosphatase, non-receptor type PDBTitle: crystal structure of human tyrosine phosphatase shp-1

56	c2lctA_	Alignment	not modelled	99.9	24	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
57	c1x6cA_	Alignment	not modelled	99.9	35	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
58	d1d4ta_	Alignment	not modelled	99.9	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
59	c1x27F_	Alignment	not modelled	99.9	33	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
60	c2c9wA_	Alignment	not modelled	99.9	23	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
61	d1ayaa_	Alignment	not modelled	99.9	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
62	c3ps5A_	Alignment	not modelled	99.9	26	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
63	d1g83a2	Alignment	not modelled	99.9	33	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
64	c3nhnA_	Alignment	not modelled	99.9	37	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
65	d1o48a_	Alignment	not modelled	99.9	35	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
66	c2ge9A_	Alignment	not modelled	99.9	25	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase btk; PDBTitle: solution structures of the sh2 domain of bruton's tyrosine2 kinase
67	c2dcrA_	Alignment	not modelled	99.9	28	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
68	c2c0iA_	Alignment	not modelled	99.9	32	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase hck; PDBTitle: src family kinase hck with bound inhibitor a-420983
69	c2kk6A_	Alignment	not modelled	99.9	29	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
70	d1i3za_	Alignment	not modelled	99.9	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
71	d1f2fa_	Alignment	not modelled	99.9	35	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
72	d2cs0a1	Alignment	not modelled	99.9	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
73	d1bkla_	Alignment	not modelled	99.9	35	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
74	c1a81E_	Alignment	not modelled	99.9	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
75	d1qcfa2	Alignment	not modelled	99.9	37	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
76	d1qada_	Alignment	not modelled	99.9	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
77	c2h8hA_	Alignment	not modelled	99.9	32	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: src kinase in complex with a quinazoline inhibitor
78	d1fu6a_	Alignment	not modelled	99.9	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
79	c2izvA_	Alignment	not modelled	99.9	20	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
80	d2qmsa1	Alignment	not modelled	99.9	32	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
						PDB header: hydrolase

81	c2knoA_	Alignment	not modelled	99.9	28	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)
82	d2shpa3	Alignment	not modelled	99.9	34	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
83	d1mila_	Alignment	not modelled	99.9	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
84	d2c9wa2	Alignment	not modelled	99.9	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
85	d1luia_	Alignment	not modelled	99.9	30	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
86	c2hmbA_	Alignment	not modelled	99.9	23	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.
87	c2ekxA_	Alignment	not modelled	99.9	26	PDB header: signaling protein Chain: A: PDB Molecule: cytoplasmic tyrosine-protein kinase bmx; PDBTitle: solution structure of the human bmx sh2 domain
88	c2el8A_	Alignment	not modelled	99.9	22	PDB header: signaling protein Chain: A: PDB Molecule: signal-transducing adaptor protein 2; PDBTitle: solution structure of the human stap2 sh2 domain
89	d1rpya_	Alignment	not modelled	99.9	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
90	c3mazA_	Alignment	not modelled	99.9	16	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 ntal ptyr136 peptide
91	c1rqcC_	Alignment	not modelled	99.8	26	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
92	d2fcia1	Alignment	not modelled	99.8	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
93	d1xa6a2	Alignment	not modelled	99.8	17	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
94	c1g83A_	Alignment	not modelled	99.8	35	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fyn; PDBTitle: crystal structure of fyn sh3-sh2
95	c2dm0A_	Alignment	not modelled	99.8	26	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase btk; PDBTitle: solution structure of the sh2 domain of human tyrosine-2 protein kinase btk
96	d1cwea_	Alignment	not modelled	99.8	37	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
97	c3gxxB_	Alignment	not modelled	99.8	17	PDB header: transcription Chain: B: PDB Molecule: transcription elongation factor spt6; PDBTitle: structure of the sh2 domain of the candida glabrata2 transcription elongation factor spt6, crystal form b
98	c2dbkA_	Alignment	not modelled	99.8	93	PDB header: signaling protein Chain: A: PDB Molecule: crk-like protein; PDBTitle: solution structures of the sh3 domain of human crk-like2 protein
99	c2cr4A_	Alignment	not modelled	99.8	20	PDB header: signaling protein Chain: A: PDB Molecule: sh3 domain-binding protein 2; PDBTitle: solution structure of the sh2 domain of human sh3bp2 protein
100	c1mv3A_	Alignment	not modelled	99.8	15	PDB header: endocytosis/exocytosis Chain: A: PDB Molecule: myc box dependent interacting protein 1; PDBTitle: nmr structure of the tumor suppressor bin1: alternative2 splicing in melanoma and interaction with c-myc
101	c2eyxA_	Alignment	not modelled	99.8	70	PDB header: signaling protein Chain: A: PDB Molecule: v-crkl sarcoma virus ct10 oncogene homolog PDBTitle: c-terminal sh3 domain of ct10-regulated kinase
102	d1udla_	Alignment	not modelled	99.8	24	Fold: SH3-like barrel Superfamily: SH3-domain Family: SH3-domain
103	c2bzxA_	Alignment	not modelled	99.7	100	PDB header: sh3 domain Chain: A: PDB Molecule: crkl-like protein; PDBTitle: atomic model of crkl-sh3c monomer
104	c2ebpA_	Alignment	not modelled	99.7	27	PDB header: cell adhesion Chain: A: PDB Molecule: sam and sh3 domain-containing protein 1; PDBTitle: solution structure of the sh3 domain from human sam and sh32 domain containing protein 1
105	c3or8A_	Alignment	not modelled	99.7	20	PDB header: transcription Chain: A: PDB Molecule: transcription elongation factor spt6; PDBTitle: a tandem sh2 domain in transcription elongation factor spt6
106	c2dx0B_	Alignment	not modelled	99.7	31	PDB header: hydrolase Chain: B: PDB Molecule: phospholipase c, gamma 2; PDBTitle: crystal structure of the n-terminal sh2 domain of mouse2 phospholipase c-gamma 2 PDB header: signaling protein

107	c2dx1A_	Alignment	not modelled	99.7	23	Chain: A: PDB Molecule: rho guanine nucleotide exchange factor 4; PDBTitle: crystal structure of rhogef protein asef
108	c2xp1A_	Alignment	not modelled	99.7	11	PDB header: transcription Chain: A: PDB Molecule: spt6; PDBTitle: structure of the tandem sh2 domains from antonospora locustae2 transcription elongation factor spt6
109	d1ng2a2	Alignment	not modelled	99.7	14	Fold: SH3-like barrel Superfamily: SH3-domain Family: SH3-domain
110	c2ed0A_	Alignment	not modelled	99.7	22	PDB header: signaling protein Chain: A: PDB Molecule: abl interactor 2; PDBTitle: solution structure of the sh3 domain of abl interactor 22 (abelson interactor 2)
111	c3nmzD_	Alignment	not modelled	99.7	18	PDB header: cell adhesion/cell cycle Chain: D: PDB Molecule: rho guanine nucleotide exchange factor 4; PDBTitle: crytal structure of apc complexed with asef
112	c2cubA_	Alignment	not modelled	99.7	23	PDB header: signaling protein Chain: A: PDB Molecule: cytoplasmic protein nck1; PDBTitle: solution structure of the sh3 domain of the human2 cytoplasmic protein nck1
113	c2dybA_	Alignment	not modelled	99.7	18	PDB header: oxidoreductase Chain: A: PDB Molecule: neutrophil cytosol factor 4; PDBTitle: the crystal structure of human p40(phox)
114	c2nwmA_	Alignment	not modelled	99.7	31	PDB header: cell adhesion Chain: A: PDB Molecule: vinexin; PDBTitle: solution structure of the first sh3 domain of human vinexin2 and its interaction with the peptides from vinculin
115	c2yuoA_	Alignment	not modelled	99.7	24	PDB header: signaling protein Chain: A: PDB Molecule: run and tbc1 domain containing 3; PDBTitle: solution structure of the sh3 domain of mouse run and tbc12 domain containing 3
116	c2ysqA_	Alignment	not modelled	99.7	24	PDB header: signaling protein Chain: A: PDB Molecule: rho guanine nucleotide exchange factor 9; PDBTitle: solution structure of the sh3 domain from rho guanine2 nucleotide exchange factor 9
117	c2ekhA_	Alignment	not modelled	99.6	15	PDB header: signaling protein Chain: A: PDB Molecule: sh3 and px domain-containing protein 2a; PDBTitle: solution structures of the sh3 domain of human kiaa0418
118	c2kymA_	Alignment	not modelled	99.6	19	PDB header: signaling protein Chain: A: PDB Molecule: bud emergence protein 1; PDBTitle: solution structure of the bem1p sh3-ci domain from l.elongisporus in2 complex with ste20p peptide
119	c2bz8B_	Alignment	not modelled	99.6	36	PDB header: sh3 domain Chain: B: PDB Molecule: sh3-domain kinase binding protein 1; PDBTitle: n-terminal sh3 domain of cin85 bound to cbl-b peptide
120	c1x2qA_	Alignment	not modelled	99.6	20	PDB header: signaling protein Chain: A: PDB Molecule: signal transducing adapter molecule 2; PDBTitle: solution structure of the sh3 domain of the signal2 transducing adaptor molecule 2