
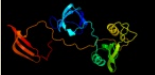




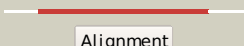

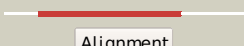

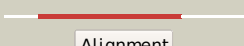

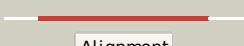
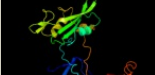

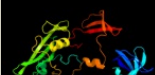

















Phyre2

Email	I.a.kelley@imperial.ac.uk
Description	Q9H6Q3
Date	Thu Apr 26 09:38:43 BST 2012
Unique Job ID	479c4903bafc0cc3

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c1y57A_	 Alignment		100.0	34	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: structure of unphosphorylated c-src in complex with an inhibitor
2	c2fo0A_	 Alignment		100.0	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
3	c2c0iA_	 Alignment		100.0	35	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase hck; PDBTitle: src family kinase hck with bound inhibitor a-420983
4	c2h8hA_	 Alignment		100.0	34	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: src kinase in complex with a quinazoline inhibitor
5	c1x27F_	 Alignment		100.0	44	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
6	c3nhnA_	 Alignment		100.0	45	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
7	c1oplA_	 Alignment		100.0	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
8	c1k9aB_	 Alignment		100.0	26	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
9	c2ablA_	 Alignment		100.0	32	PDB header: transferase Chain: A: PDB Molecule: abl tyrosine kinase; PDBTitle: sh3-sh2 domain fragment of human bcr-abl tyrosine kinase
10	c1g83A_	 Alignment		100.0	43	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fyn; PDBTitle: crystal structure of fyn sh3-sh2
11	d1a81a1	 Alignment		100.0	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain

12	d2oq1a1	Alignment		100.0	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
13	c2oq1A	Alignment		100.0	30	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	d1kka	Alignment		100.0	49	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
15	d2oq1a2	Alignment		100.0	30	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
16	c2dlyA	Alignment		100.0	33	PDB header: transferase Chain: A; PDB Molecule: fyn-related kinase; PDBTitle: solution structure of the sh2 domain of murine fyn-related2 kinase
17	d1bklA	Alignment		100.0	42	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
18	d1qcfa2	Alignment		100.0	52	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
19	d1f2fa	Alignment		100.0	43	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
20	d1a81e1	Alignment		100.0	30	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
21	d1blja	Alignment	not modelled	100.0	45	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
22	d1o48a	Alignment	not modelled	100.0	41	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
23	d1g83a2	Alignment	not modelled	100.0	46	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
24	c2ozoA	Alignment	not modelled	100.0	30	PDB header: transferase Chain: A; PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: autoinhibited intact human zap-70
25	d1a81a2	Alignment	not modelled	100.0	34	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
26	c2b3oA	Alignment	not modelled	100.0	28	PDB header: hydrolase Chain: A; PDB Molecule: tyrosine-protein phosphatase, non-receptor type PDBTitle: crystal structure of human tyrosine phosphatase shp-1
27	c2eo3A	Alignment	not modelled	100.0	33	PDB header: signaling protein Chain: A; PDB Molecule: crk-like protein; PDBTitle: solution structure of the sh2 domain from human crk-like2 protein
28	d1rjaa	Alignment	not modelled	100.0	34	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
29	d1a81e2	Alignment	not modelled	100.0	35	Fold: SH2-like Superfamily: SH2 domain

					Family: SH2 domain
30	d1nrva_	Alignment	not modelled	99.9	24 Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
31	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
32	d1csya_	Alignment	not modelled	99.9	31 Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
33	c2knoA_	Alignment	not modelled	99.9	30 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)
34	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
35	c3ps5A_	Alignment	not modelled	99.9	29 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
36	d1cwea_	Alignment	not modelled	99.9	50 Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
37	c2shpA_	Alignment	not modelled	99.9	28 PDB header: tyrosine phosphatase Chain: A: PDB Molecule: shp-2; PDBTitle: tyrosine phosphatase shp-2
38	c2el8A_	Alignment	not modelled	99.9	19 PDB header: signaling protein Chain: A: PDB Molecule: signal-transducing adaptor protein 2; PDBTitle: solution structure of the human stap2 sh2 domain
39	d2qmsa1	Alignment	not modelled	99.9	28 Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
40	c2eo6A_	Alignment	not modelled	99.9	24 PDB header: signaling protein Chain: A: PDB Molecule: b-cell linker protein; PDBTitle: solution structure of the sh2 domain from mouse b-cell12 linker protein blnk
41	d1opka2	Alignment	not modelled	99.9	37 Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
42	c1ka6A_	Alignment	not modelled	99.9	25 PDB header: immune system Chain: A: PDB Molecule: sh2 domain protein 1a; PDBTitle: sap/sh2d1a bound to peptide n-py
43	c1a81E_	Alignment	not modelled	99.9	29 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
44	d1d4ta_	Alignment	not modelled	99.9	27 Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
45	c2dm0A_	Alignment	not modelled	99.9	23 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
46	c3hizB_	Alignment	not modelled	99.9	27 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
47	d1k9aa2	Alignment	not modelled	99.9	35 Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
48	c2gsbA_	Alignment	not modelled	99.9	26 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
49	d1luia_	Alignment	not modelled	99.9	30 Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
50	c1x6cA_	Alignment	not modelled	99.9	31 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
51	d1i3za_	Alignment	not modelled	99.9	33 Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
52	c2y3aB_	Alignment	not modelled	99.9	33 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
53	d2shpa2	Alignment	not modelled	99.9	28 Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
54	d1jwoa_	Alignment	not modelled	99.9	34 Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
					Fold: SH2-like

55	d2shpa3	Alignment	not modelled	99.9	34	Superfamily: SH2 domain Family: SH2 domain
56	c2ekxA	Alignment	not modelled	99.9	25	PDB header: signaling protein Chain: A: PDB Molecule: cytoplasmic tyrosine-protein kinase bmx; PDBTitle: solution structure of the human bmx sh2 domain
57	d1fhsa	Alignment	not modelled	99.9	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
58	c2dlzA	Alignment	not modelled	99.9	23	PDB header: signaling protein Chain: A: PDB Molecule: protein vav-2; PDBTitle: solution structure of the sh2 domain of human protein vav-2
59	c2eobA	Alignment	not modelled	99.9	31	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
60	d2izva2	Alignment	not modelled	99.9	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
61	c2crhA	Alignment	not modelled	99.9	18	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
62	d1pica	Alignment	not modelled	99.9	32	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
63	d3c7ia1	Alignment	not modelled	99.9	32	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
64	d2eyva1	Alignment	not modelled	99.9	38	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
65	d1ayaa	Alignment	not modelled	99.9	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
66	c2lctA	Alignment	not modelled	99.9	23	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
67	c2vifA	Alignment	not modelled	99.9	22	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
68	c3mazA	Alignment	not modelled	99.9	20	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
69	d2cs0a1	Alignment	not modelled	99.9	35	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
70	c2c9wA	Alignment	not modelled	99.9	28	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
71	d1qada	Alignment	not modelled	99.9	33	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
72	c3gqiB	Alignment	not modelled	99.9	26	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
73	d2fcia1	Alignment	not modelled	99.9	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
74	c2izvA	Alignment	not modelled	99.9	28	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
75	c2hmhA	Alignment	not modelled	99.9	26	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.
76	d1r1qa	Alignment	not modelled	99.9	38	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
77	d1jyra	Alignment	not modelled	99.9	35	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
78	c2ci8A	Alignment	not modelled	99.9	26	PDB header: translation Chain: A: PDB Molecule: cytoplasmic protein nck1; PDBTitle: sh2 domain of human nck1 adaptor protein - uncomplexed
79	d1fu6a	Alignment	not modelled	99.9	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
80	d2c9wa2	Alignment	not modelled	99.9	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
81	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
82	c2dcrA	Alignment	not modelled	99.9	26	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
83	d1mila	Alignment	not modelled	99.9	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
84	d1rpya	Alignment	not modelled	99.8	31	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
85	c1rqgC	Alignment	not modelled	99.8	33	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
86	c2cr4A	Alignment	not modelled	99.8	22	PDB header: signaling protein Chain: A: PDB Molecule: sh3 domain-binding protein 2; PDBTitle: solution structure of the sh2 domain of human sh3bp2 protein
87	d1xa6a2	Alignment	not modelled	99.8	30	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
88	c2dviA	Alignment	not modelled	99.8	31	PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog, PDBTitle: phosphorylated crk-ii
89	c2eyzA	Alignment	not modelled	99.8	31	PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog PDBTitle: ct10-regulated kinase isoform ii
90	c3gxxB	Alignment	not modelled	99.8	19	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
91	c3qwYA	Alignment	not modelled	99.8	30	PDB header: signaling protein Chain: A: PDB Molecule: cell death abnormality protein 2; PDBTitle: ced-2
92	c2eyyA	Alignment	not modelled	99.8	31	PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog PDBTitle: ct10-regulated kinase isoform i
93	c3qwxX	Alignment	not modelled	99.8	30	PDB header: signaling protein Chain: X: PDB Molecule: cell death abnormality protein 2; PDBTitle: ced-2 1-174
94	c2dx0B	Alignment	not modelled	99.8	39	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
95	c1griA	Alignment	not modelled	99.8	27	PDB header: signal transduction adaptor Chain: A: PDB Molecule: growth factor bound protein 2; PDBTitle: grb2
96	c2yt6A	Alignment		99.7	31	PDB header: cell cycle Chain: A: PDB Molecule: adult male urinary bladder cdna, riken full- PDBTitle: solution structure of the sh3_1 domain of yamaguchi sarcoma2 viral (v-yes) oncogene homolog 1
97	c3or8A	Alignment	not modelled	99.7	23	PDB header: transcription Chain: A: PDB Molecule: transcription elongation factor spt6; PDBTitle: a tandem sh2 domain in transcription elongation factor spt6
98	c2xp1A	Alignment	not modelled	99.6	21	PDB header: transcription Chain: A: PDB Molecule: spt6; PDBTitle: structure of the tandem sh2 domains from antonospora locustae2 transcription elongation factor spt6
99	d1uura3	Alignment	not modelled	99.6	21	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
100	c1xa6A	Alignment	not modelled	99.6	25	PDB header: signaling protein Chain: A: PDB Molecule: beta2-chimaerin; PDBTitle: crystal structure of the human beta2-chimaerin
101	c2cudA	Alignment	not modelled	99.5	31	PDB header: signaling protein Chain: A: PDB Molecule: src-like-adapter; PDBTitle: solution structure of the sh3 domain of the human src-like2 adopter protein (slap)
102	c2jxbA	Alignment	not modelled	99.5	19	PDB header: signaling protein complex Chain: A: PDB Molecule: t-cell surface glycoprotein cd3 epsilon chain, PDBTitle: structure of cd3epsilon-nck2 first sh3 domain complex
103	c2oi3A	Alignment	not modelled	99.5	28	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase hck; PDBTitle: nmr structure analysis of the hematopoietic cell kinase sh32 domain complexed with an artificial high affinity ligand3 (pd1)
104	d1bf5a3	Alignment	not modelled	99.4	20	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
105	c1mv3A	Alignment	not modelled	99.4	13	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
106	c1x6gA	Alignment	not modelled	99.4	22	PDB header: signaling protein Chain: A: PDB Molecule: megakaryocyte-associated tyrosine-protein kinase;

						PDBTitle: solution structures of the sh3 domain of human2 megakaryocyte-associated tyrosine-protein kinase.
107	c2rqrA_	Alignment	not modelled	99.4	19	PDB header: protein binding Chain: A: PDB Molecule: engulfment and cell motility protein 1, linker, dedicator PDBTitle: the solution structure of human dock2 sh3 domain - elmo1 peptide2 chimera complex
108	c2yupA_	Alignment	not modelled	99.4	23	PDB header: cell adhesion Chain: A: PDB Molecule: vinexin; PDBTitle: solution structure of the second sh3 domain of human vinexin
109	c3cblA_	Alignment	not modelled	99.4	31	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fes/fps; PDBTitle: crystal structure of human feline sarcoma viral oncogene homologue (v-2 fes) in complex with staurosporine and a consensus peptide
110	d1lcka1	Alignment	not modelled	99.3	31	Fold: SH3-like barrel Superfamily: SH3-domain Family: SH3-domain
111	c1x6bA_	Alignment	not modelled	99.3	14	PDB header: signaling protein Chain: A: PDB Molecule: rho guanine exchange factor (gef) 16; PDBTitle: solution structures of the sh3 domain of human rho guanine2 exchange factor (gef) 16
112	d2iima1	Alignment	not modelled	99.3	32	Fold: SH3-like barrel Superfamily: SH3-domain Family: SH3-domain
113	c2fpeB_	Alignment	not modelled	99.3	22	PDB header: signaling protein Chain: B: PDB Molecule: c-jun-amino-terminal kinase interacting protein PDBTitle: conserved dimerization of the ib1 src-homology 3 domain
114	d1ludla_	Alignment	not modelled	99.3	20	Fold: SH3-like barrel Superfamily: SH3-domain Family: SH3-domain
115	d1ng2a2	Alignment	not modelled	99.3	21	Fold: SH3-like barrel Superfamily: SH3-domain Family: SH3-domain
116	c2kymA_	Alignment	not modelled	99.3	27	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
117	c2d8hA_	Alignment	not modelled	99.3	21	PDB header: unknown function Chain: A: PDB Molecule: sh3yl1 protein; PDBTitle: solution structure of the sh3 domain of hypothetical2 protein sh3yl1
118	c2csqA_	Alignment	not modelled	99.3	19	PDB header: endocytosis/exocytosis Chain: A: PDB Molecule: rim binding protein 2; PDBTitle: solution structure of the second sh3 domain of human rim-2 binding protein 2
119	c1w1fA_	Alignment	not modelled	99.3	34	PDB header: sh3-domain Chain: A: PDB Molecule: tyrosine-protein kinase lyn; PDBTitle: sh3 domain of human lyn tyrosine kinase
120	d1gbra_	Alignment	not modelled	99.3	25	Fold: SH3-like barrel Superfamily: SH3-domain Family: SH3-domain