

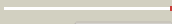


















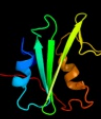


Phyre2

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Description	Q9VX18
Date	Tue Jan 22 11:47:38 GMT 2013
Unique Job ID	7a130f8e795f6e0d

Detailed template information

#	Template	Alignment Coverage	3D Model	Confidence	% i.d.	Template Information
1	c2izvA_	 Alignment		100.0	34	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
2	c2c9wA_	 Alignment		100.0	35	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
3	c2vifA_	 Alignment		99.9	43	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
4	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
5	d2izva2	 Alignment		99.8	32	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
6	c2hnhA_	 Alignment		99.8	29	PDB header: cytokine regulator Chain: A; PDB Molecule: suppressor of cytokine signaling 3; PDBTitle: crystal structure of socs3 in complex with gp130(p130)2 phosphopeptide.
7	d2c9wa2	 Alignment		99.8	30	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
8	c2crhA_	 Alignment		99.8	25	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
9	d1fu6a_	 Alignment		99.8	30	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
10	c2el8A_	 Alignment		99.8	18	PDB header: signaling protein Chain: A; PDB Molecule: signal-transducing adaptor protein 2; PDBTitle: solution structure of the human stap2 sh2 domain
11	c1x6cA_	 Alignment		99.8	27	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

12	d1mila_	Alignment		99.8	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
13	d1jwoa_	Alignment		99.8	21	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
14	d2oq1a1	Alignment		99.8	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
15	c1ka6A_	Alignment		99.7	23	PDB header: immune system Chain: A: PDB Molecule: sh2 domain protein 1a; PDBTitle: sap/sh2d1a bound to peptide n-py
16	c2kk6A_	Alignment		99.7	22	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
17	d1a81e1	Alignment		99.7	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
18	c2dlzA_	Alignment		99.7	22	PDB header: signaling protein Chain: A: PDB Molecule: protein vav-2; PDBTitle: solution structure of the sh2 domain of human protein vav-2
19	d2shpa2	Alignment		99.7	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
20	c2lctA_	Alignment		99.7	28	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
21	c2eobA_	Alignment	not modelled	99.7	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
22	d1xa6a2	Alignment	not modelled	99.7	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
23	c2dlyA_	Alignment	not modelled	99.7	32	PDB header: transferase Chain: A: PDB Molecule: fyn-related kinase; PDBTitle: solution structure of the sh2 domain of murine fyn-related2 kinase
24	d1r1qa_	Alignment	not modelled	99.7	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
25	d1opka2	Alignment	not modelled	99.7	34	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
26	d1k9aa2	Alignment	not modelled	99.7	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
27	c2ysxA_	Alignment	not modelled	99.7	30	PDB header: signaling protein Chain: A: PDB Molecule: signaling inositol polyphosphate phosphatase PDBTitle: solution structure of the human ship sh2 domain
28	d1a81a1	Alignment	not modelled	99.7	18	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
						Fold: SH2-like

29	d1i3za_	Alignment	not modelled	99.7	27	Superfamily: SH2 domain Family: SH2 domain
30	d1d4ta_	Alignment	not modelled	99.7	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
31	d1a81e2	Alignment	not modelled	99.7	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
32	c2oq1A_	Alignment	not modelled	99.7	24	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: tandem sh2 domains of zap-70 with 19-mer zeta1 peptide
33	d3c7ia1	Alignment	not modelled	99.7	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
34	d1rjaa_	Alignment	not modelled	99.7	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
35	c2eo6A_	Alignment	not modelled	99.7	22	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
36	c2eo3A_	Alignment	not modelled	99.7	27	PDB header: signaling protein Chain: A: PDB Molecule: crk-like protein; PDBTitle: solution structure of the sh2 domain from human crk-like2 protein
37	d1pica_	Alignment	not modelled	99.7	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
38	d1rpya_	Alignment	not modelled	99.7	21	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
39	d1fhsa_	Alignment	not modelled	99.7	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
40	c1rqQC_	Alignment	not modelled	99.7	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
41	c2ozoA_	Alignment	not modelled	99.7	22	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase zap-70; PDBTitle: autoinhibited intact human zap-70
42	d1ayaa_	Alignment	not modelled	99.7	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
43	c2y3aB_	Alignment	not modelled	99.7	24	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
44	c2hdxB_	Alignment	not modelled	99.7	24	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 tyr813 phosphopeptide
45	c2ci8A_	Alignment	not modelled	99.7	27	PDB header: translation Chain: A: PDB Molecule: cytoplasmic protein nck1; PDBTitle: sh2 domain of human nck1 adaptor protein - uncomplexed
46	c2fo0A_	Alignment	not modelled	99.7	31	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
47	c4fl2A_	Alignment	not modelled	99.7	24	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase syk; PDBTitle: structural and biophysical characterization of the syk activation2 switch
48	d2eyva1	Alignment	not modelled	99.7	32	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
49	c3mazA_	Alignment	not modelled	99.7	15	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 tyr136 peptide
50	c2gsbA_	Alignment	not modelled	99.7	20	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
51	c2ge9A_	Alignment	not modelled	99.7	33	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase btk; PDBTitle: solution structures of the sh2 domain of bruton's tyrosine2 kinase
52	c1k9aB_	Alignment	not modelled	99.7	21	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
53	d1a81a2	Alignment	not modelled	99.7	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
54	c2dcrA_	Alignment	not modelled	99.7	22	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

55	c2ablA	Alignment	not modelled	99.7	31	PDB header: transferase Chain: A: PDB Molecule: abl tyrosine kinase; PDBTitle: sh3-sh2 domain fragment of human bcr-abl tyrosine kinase
56	d2oq1a2	Alignment	not modelled	99.7	30	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
57	d1nrva	Alignment	not modelled	99.7	21	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
58	d1qada	Alignment	not modelled	99.7	23	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
59	c2ekxA	Alignment	not modelled	99.6	27	PDB header: signaling protein Chain: A: PDB Molecule: cytoplasmic tyrosine-protein kinase bmx; PDBTitle: solution structure of the human bmx sh2 domain
60	d1g83a2	Alignment	not modelled	99.6	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
61	d1csya	Alignment	not modelled	99.6	26	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
62	d2cs0a1	Alignment	not modelled	99.6	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
63	c2shpA	Alignment	not modelled	99.6	28	PDB header: tyrosine phosphatase Chain: A: PDB Molecule: shp-2; PDBTitle: tyrosine phosphatase shp-2
64	c3gqiB	Alignment	not modelled	99.6	25	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
65	d2shpa3	Alignment	not modelled	99.6	31	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
66	d1jyra	Alignment	not modelled	99.6	31	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
67	c1y57A	Alignment	not modelled	99.6	24	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: structure of unphosphorylated c-src in complex with an inhibitor
68	d1blja	Alignment	not modelled	99.6	24	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
69	c2lqnA	Alignment	not modelled	99.6	26	PDB header: signaling protein Chain: A: PDB Molecule: crk-like protein; PDBTitle: solution structure of crkl
70	d1luia	Alignment	not modelled	99.6	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
71	c1oplA	Alignment	not modelled	99.6	27	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase; PDBTitle: structural basis for the auto-inhibition of c-abl tyrosine2 kinase
72	c2augB	Alignment	not modelled	99.6	20	PDB header: signaling protein Chain: B: PDB Molecule: growth factor receptor-bound protein 14; PDBTitle: crystal structure of the grb14 sh2 domain
73	d1o48a	Alignment	not modelled	99.6	25	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
74	d1bkla	Alignment	not modelled	99.6	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
75	c2knoA	Alignment	not modelled	99.6	24	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)
76	d1lkka	Alignment	not modelled	99.6	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
77	c2dm0A	Alignment	not modelled	99.6	29	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
78	c2b3oA	Alignment	not modelled	99.6	30	PDB header: hydrolase Chain: A: PDB Molecule: tyrosine-protein phosphatase, non-receptor type PDBTitle: crystal structure of human tyrosine phosphatase shp-1
79	c2h8hA	Alignment	not modelled	99.6	24	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase src; PDBTitle: src kinase in complex with a quinazoline inhibitor
80	d2fcia1	Alignment	not modelled	99.6	27	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
81	c2pvaA	Alignment	not modelled	99.6	24	PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene

81	c2eyyA	Alignment	not modelled	99.0	24	homolog PDBTitle: ct10-regulated kinase isoform i
82	c1a81E	Alignment	not modelled	99.6	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
83	c3ps5A	Alignment	not modelled	99.6	31	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
84	c2dviA	Alignment	not modelled	99.6	24	PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog, PDBTitle: phosphorylated crk-ii
85	d1f2fa	Alignment	not modelled	99.5	28	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
86	c1x27F	Alignment	not modelled	99.5	27	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
87	c3nhnA	Alignment	not modelled	99.5	26	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
88	c2c0iA	Alignment	not modelled	99.5	28	PDB header: transferase Chain: A: PDB Molecule: tyrosine-protein kinase hck; PDBTitle: src family kinase hck with bound inhibitor a-420983
89	c3gxxB	Alignment	not modelled	99.5	27	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
90	d2qmsa1	Alignment	not modelled	99.5	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
91	d1qcfa2	Alignment	not modelled	99.5	29	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
92	c2eyzA	Alignment	not modelled	99.5	27	PDB header: signaling protein Chain: A: PDB Molecule: v-crk sarcoma virus ct10 oncogene homolog PDBTitle: ct10-regulated kinase isoform ii
93	c1g83A	Alignment	not modelled	99.5	26	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fyn; PDBTitle: crystal structure of fyn sh3-sh2
94	d1cwea	Alignment	not modelled	99.5	32	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
95	c3qwyA	Alignment	not modelled	99.4	23	PDB header: signaling protein Chain: A: PDB Molecule: cell death abnormality protein 2; PDBTitle: ced-2
96	c3qwxX	Alignment	not modelled	99.4	23	PDB header: signaling protein Chain: X: PDB Molecule: cell death abnormality protein 2; PDBTitle: ced-2 1-174
97	c1xa6A	Alignment	not modelled	99.4	22	PDB header: signaling protein Chain: A: PDB Molecule: beta2-chimaerin; PDBTitle: crystal structure of the human beta2-chimaerin
98	c2cr4A	Alignment	not modelled	99.4	24	PDB header: signaling protein Chain: A: PDB Molecule: sh3 domain-binding protein 2; PDBTitle: solution structure of the sh2 domain of human sh3bp2 protein
99	d1uura3	Alignment	not modelled	99.4	15	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
100	c3or8A	Alignment	not modelled	99.3	23	PDB header: transcription Chain: A: PDB Molecule: transcription elongation factor spt6; PDBTitle: a tandem sh2 domain in transcription elongation factor spt6
101	d2c9wa1	Alignment	not modelled	99.1	47	Fold: SOCS box-like Superfamily: SOCS box-like Family: SOCS box-like
102	c2xp1A	Alignment	not modelled	99.1	23	PDB header: transcription Chain: A: PDB Molecule: spt6; PDBTitle: structure of the tandem sh2 domains from antonospora locustae2 transcription elongation factor spt6
103	d2izva1	Alignment	not modelled	99.1	44	Fold: SOCS box-like Superfamily: SOCS box-like Family: SOCS box-like
104	d1bg1a3	Alignment	not modelled	99.0	22	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
105	c2dx0B	Alignment	not modelled	98.9	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
106	d1bf5a3	Alignment	not modelled	98.9	14	Fold: SH2-like Superfamily: SH2 domain Family: SH2 domain
107	c3ch1A	Alignment	not modelled	98.5	23	PDB header: transferase Chain: A: PDB Molecule: proto-oncogene tyrosine-protein kinase fes/fps;

107	c3c0tA	Alignment	not modelled	98.3	43	PDBTitle: crystal structure of human feline sarcoma viral oncogene homologue (v-2 fes) in complex with staurosporine and a consensus peptide
108	c1uusA	Alignment	not modelled	97.2	17	PDB header: signal transduction Chain: A: PDB Molecule: stat protein; PDBTitle: structure of an activated dictyostelium stat in its2 dna-unbound form
109	c1y1uA	Alignment	not modelled	97.2	22	PDB header: signaling protein Chain: A: PDB Molecule: signal transducer and activator of transcription 5a; PDBTitle: structure of unphosphorylated stat5a
110	c1yvlB	Alignment	not modelled	96.8	20	PDB header: signaling protein Chain: B: PDB Molecule: signal transducer and activator of transcription PDBTitle: structure of unphosphorylated stat1
111	c1bf5A	Alignment	not modelled	96.6	23	PDB header: gene regulation/dna Chain: A: PDB Molecule: signal transducer and activator of transcription PDBTitle: tyrosine phosphorylated stat-1/dna complex
112	c2cblA	Alignment	not modelled	96.4	17	PDB header: complex (proto-oncogene/peptide) Chain: A: PDB Molecule: proto-oncogene cbl; PDBTitle: n-terminal domain of cbl in complex with its binding site2 on zap-70
113	c3bunB	Alignment	not modelled	96.3	17	PDB header: ligase/signaling protein Chain: B: PDB Molecule: e3 ubiquitin-protein ligase cbl; PDBTitle: crystal structure of c-cbl-tyk domain complexed with its2 binding motif in sprouty4
114	c1bg1A	Alignment	not modelled	96.3	28	PDB header: transcription/dna Chain: A: PDB Molecule: protein (transcription factor stat3b); PDBTitle: transcription factor stat3b/dna complex
115	c3fbyC	Alignment	not modelled	94.2	30	PDB header: cell adhesion Chain: C: PDB Molecule: cartilage oligomeric matrix protein; PDBTitle: the crystal structure of the signature domain of cartilage oligomeric2 matrix protein.
116	c1yo8A	Alignment	not modelled	94.0	31	PDB header: cell adhesion Chain: A: PDB Molecule: thrombospondin-2; PDBTitle: structure of the c-terminal domain of human thrombospondin-2
117	c3cwgA	Alignment	not modelled	93.8	33	PDB header: transcription Chain: A: PDB Molecule: signal transducer and activator of transcription PDBTitle: unphosphorylated mouse stat3 core fragment
118	c1ux6A	Alignment	not modelled	91.6	28	PDB header: cell adhesion Chain: A: PDB Molecule: thrombospondin-1; PDBTitle: structure of a thrombospondin c-terminal fragment reveals a2 novel calcium core in the type 3 repeats
119	c1griA	Alignment	not modelled	89.3	35	PDB header: signal transduction adaptor Chain: A: PDB Molecule: growth factor bound protein 2; PDBTitle: grb2
120	d1ux6a1	Alignment	not modelled	78.7	27	Fold: Concanavalin A-like lectins/glucanases Superfamily: Concanavalin A-like lectins/glucanases Family: Thrombospondin C-terminal domain