

Table S5

Proline-rich peptide ligands for profilin, WW, EVH1 & SH3 domain classes (Fig. 4a). Z indicates phosphotyrosine.

Position	Sequence	Protein Name	PRD class	Accession Number
1	PPPPPPPPPPPPPPPPPPPPPP		Profilin	
2	PPGPPRGGPPRRPPGPPRGPPR	NPWBP (WBP11)		WBP11_HUMAN
3	LPPAPGSTVPGTTPPRYNTRLRLDR	gamma-EnaC	WW-ClassI	SCNNG_RAT
4	LPPAPGSTVPGTTPPRZNTLRLDR	gamma-EnaC	WW-ClassI	SCNNG_RAT
5	DQQTLPVPGTTPPNYDSLRLQPLD	EnaC-beta	WW-ClassI	SCNNB_RAT
6	DQQTLPVPGTTPPNZDSLRLQPLD	EnaC-beta	WW-ClassI	SCNNB_RAT
7	SEQALVPGTTPPNYDSLRLQPLD	EnaC-beta	WW-ClassI	SCNNB_HUMAN
8	SEQALVPGTTPPNZDSLRLQPLD	EnaC-beta	WW-ClassI	SCNNB_HUMAN
9	EDVVHHPGTTPPPYTVGPGYPWTT	WBP-1	WW-ClassII	WBP1_MOUSE
10	EDVVHHPGTTPPPZTVGPGYPWTT	WBP-1	WW-ClassII	WBP1_MOUSE
11	EETLPLPPPAPPLPPPLLHYQTS	WBP-3	WW-ClassII	FMNL3_MOUSE
12	LPSPPPLTPPVSPPPPLPPPSTSP	WBP-7	WW-ClassII	WBP7_MOUSE
13	GRGTPMGMPPPGMRPPPPGMRGLL	SmB	WW-ClassIII	RSMB_HUMAN
14	PPPPPPGSAGMMYAPPPPPPPMD	SF1-HL1	WW-ClassIII	SF01_HUMAN
15	FVTMMGMGVAGMPPFGMPAPPPP	SF1-HL1	WW-ClassIII	SF01_HUMAN
16	CSVTFSPPEQLTPVTDLAVGFSNL	Cdc25	WW-ClassIV	MPI1A_XENLA
17	EVNASDFPPPTDEELRLALPETP	ActA-1	EVH1-ClassI	ACTA_LISMO
18	TSEPSSEFPPPPTDEELRLALPE	ActA-1	EVH1-ClassI	ACTA_LISMO
19	GVGVTSLRPPHHFSPPCFVAALP	Ryr	EVH1-ClassII	RYR1_HUMAN
20	PETGDLNPPKFKFRDCLFKLCPMN	IP3R	EVH1-ClassII	ITPR1_HUMAN
21	QSAPVKQPPPLAPQSPQGGVMGGS	Yap65	SH3-1R	YAP1_HUMAN
22	ISTEWNERPAPALPKPKPTTV	PI3K p85	SH3-1R	P85A_HUMAN
23	SPPTPKRPPRPLVAPGSSKTEA	PI3K p85	SH3-1R	P85A_HUMAN
24	PSEKVAIIRTTPKSPATPKQLRL	MAP-2	SH3-1R	MAP2_HUMAN
25	PAGSALGGAPPVPSRPGASDPDFG	dynamnin	SH3-2R	DYN1_HUMAN
26	TQEMDLHSIAGPPVPRQSTSQLI	mSOS1	SH3-2R	SOS1_MOUSE
27	FSMAPQASLPPVPPRLDLLPQRVC	c-Cbl	SH3-2R	CBL_HUMAN
28	SVGAESRPQRRPLPCTPGDCPSRD	c-Cbl	SH3-1K	CBL_HUMAN
29	PSSRLGDSWLPFRPIPKVPSAPSS	c-Cbl	SH3-1K	CBL_HUMAN
30	ATVTRGVPPPTVRGAPAPRARTA	Sam68	SH3-1K	SAM68_HUMAN
31	RGAVSTLLQAPLPTKTRTSRRAA	Abl (Hs)	SH3-2K	ABL1_HUMAN
32	APTMPGPGYGGPPVPPQQQAENP	Ena (Dm)	SH3-1@	ENA_DROME
33	LVGTSRLRAPTMPPPLPPVPPQPAR	3BP (Mm)	SH3-1@	3BP1_MOUSE
34	PMFDDSPPPPPPVYDEDEAAV	E3b1/Abi-1	SH3-2D	ABI_MOUSE
35	GSPKNGKLIIPPVDYLPDNRTWSE	RN-tre	SH3-2D	US6NL_HUMAN
36	PVPSLPIRPSRAPSRTPGPPSAQS	Synaptojanin	SH3-X	SYNJ1_HUMAN
37	PAGYSTARPPTIPPRAGVISAPQSH	Synaptojanin	SH3-X	SYNJ1_HUMAN
38	QPLEPKRPPPRPVAPPTRPAPPQ	Synaptojanin	SH3-X	SYNJ1_HUMAN
39	PAPPQRPPPPSGARSPAPTRKEFG	Synaptojanin	SH3-X	SYNJ1_HUMAN
40	LETPPQPPPRSRSSHSLPSEASSQ	Synaptojanin	SH3-X	SYNJ1_HUMAN