

ONLINE SUPPLEMENTAL MATERIAL

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SUPPLEMENTAL REFERENCES

¹ *ClustalW*: Larkin MA et al. (2007), "Clustal W and Clustal X version 2.0", Bioinformatics. 23:2947; BLOSUM62: Henikoff S and Henikoff JG (1993), "Performance evaluation of amino acid substitution matrices.", Proteins, 17:49.

² *Phosphosite*: www.phosphosite.org

³ *Rat CBP90*: Ohoka Y and Takai Y (1998), "Isolation and characterization of cortactin isoforms and a novel cortactin-binding protein, CBP90", Genes Cells, 3: 603.

⁴ *CDD reference*: Marchler-Bauer A et al. (2007), "CDD: a conserved domain database for interactive domain family analysis", Nucleic Acids Res.35(D)237-240

⁵ *Paircoil reference*: A.V. McDonnell, T. Jiang, A.E. Keating, B. Berger, "Paircoil2: Improved prediction of coiled coils from sequence", Bioinformatics Vol. 22(3) (2006).

SUPPLEMENTAL TABLE S1. PROTEIN AND GENE NAMES.

PROTEIN NAME ¹	GENE NAME ²	FULL PROTEIN NAME	ALIASES
calcineurin	PPP3CA	protein phosphatase 3 (formerly 2B), catalytic subunit, alpha isoform	CALNA, CCN1, CNA1, PP2B
CCT2	CCT2	chaperonin containing TCP1, subunit 2 (beta)	CCTB, PRO1633, TCPB
CCT3	CCT3	chaperonin containing TCP1, subunit 3 (gamma)	CCTG, PIG48, TCGP, TRIC5
CCT4	CCT4	chaperonin containing TCP1, subunit 4	CCTD, TCPD, SRB
CCT5	CCT5	chaperonin containing TCP1, subunit 5 (epsilon)	CCTE, KIAA0098, TCPE
CCT6A	CCT6A	chaperonin containing TCP1, subunit 6A (zeta 1)	CCTZ1, MoDP-2, TCPZ
CCT7	CCT7	chaperonin containing TCP1, subunit 7 (eta)	CCTH, Nip7-1, TCPH
Cdc25C	CDC25C	cell division cycle 25 homolog C	CDC25
CTTNBP2	CTTNBP2	Cortactin binding protein 2	c7orf8, CORTBP2, KIAA1758
CTTNBP2NL	CTTNBP2NL	CTTNBP2 N-terminal like	KIAA1433
dynein	DYNC1H1	dynein, cytoplasmic 1, heavy chain 1	DHC1; DNCL; DYHC
STRIP1	FAM40A	FAM40A	KIAA1761
STRIP2	FAM40B	FAM40B	KIAA1170
FGFR1OP2	FGFR1OP2	FGFR1 oncogene partner 2	HSPC123
Mob3	MOBKL3	Mps one binder kinase activator-like 3	PREI3, phocein
MST4	MST4	serine/threonine protein kinase MST4	MASK, EC 2.7.11.1
CCM3	PDCD10	Programmed cell death protein 10	CCM3, TFAR15
PP1c	PPP1CA	protein phosphatase 1, catalytic subunit, alpha isoform	PP-1A, PPP1A
PP2Ac α	PPP2CA	protein phosphatase 2 catalytic subunit, alpha isoform	PP2A-alpha, EC 3.1.3.16
PP2Ac β	PPP2CB	protein phosphatase 2 catalytic subunit, beta isoform	PP2A-beta, EC 3.1.3.16
PP2AA α	PPP2R1A	protein phosphatase 2 65kDa regulatory subunit A alpha isoform	PP2A A, PR65 alpha
PP2Aa β	PPP2R1B	protein phosphatase 2 65kDa regulatory subunit A beta isoform	PP2A A, PR65 beta
PP2AB α	PPP2R2A	protein phosphatase 2, regulatory subunit B, alpha isoform	B55A, PR52A, PR55A
PP2AB β	PPP2R2B	protein phosphatase 2, regulatory subunit B, gamma isoform	B55G, IMYPNO, PR52, PR55G
PP2AB δ	PPP2R2D	protein phosphatase 2, regulatory subunit B, delta isoform	
PP2AB' α	PPP2R5A	protein phosphatase 2, regulatory subunit B', alpha isoform	B56A, PR61A
PP2AB' γ	PPP2R5C	protein phosphatase 2, regulatory subunit B', gamma isoform	B56G, PR61G
PP2AB' δ	PPP2R5D	protein phosphatase 2, regulatory subunit B', delta isoform	B56D, PR61D
PP2AB' ϵ	PPP2R5E	protein phosphatase 2, regulatory subunit B', epsilon isoform	B56E, PR61E
PP4c	PPP4C	protein phosphatase 4 (formerly X), catalytic subunit	PP4, PPH3, PPX
PP6c	PPP6C	protein phosphatase 6, catalytic subunit	
PP7	PPEF1	protein phosphatase, EF-hand calcium binding domain 1	PP7, PPEF, PPP7C
liprin A1	PPFIA1	PTPRF interacting protein (liprin) alpha 1	LIP.1, LIP1, LIPRIN
liprin A3	PPFIA3	PTPRF interacting protein (liprin) alpha 3	KIAA0654, LPNA3
SIKE	SIKE	Suppressor of IKK-epsilon	FLJ21168
SLMAP	SLMAP	Sarcolemmal membrane-associated protein	SLAP, KIAA1601
STK24	STK24	serine/threonine protein kinase 24	MST3, STK3
STK25	STK25	serine/threonine protein kinase 25	SOK, YSK1
striatin	STRN	striatin	
striatin3	STRN3	striatin-3	cell cycle autoantigen SG2NA, GS2NA
striatin4	STRN4	striatin-4	zinedin, ZIN
TCP1	TCP1	t-complex 1	CCTA, CCT1, D6S230E, TCPA
TRAF3IP3	TRAF3IP3	TRAF3-interacting JNK-activating modulator	T3JAM

¹ Protein names used in this publication² Gene name as per HUGO (ncbi Gene)

SUPPLEMENTAL TABLE S2: CONSTRUCTS USED IN THIS STUDY

PROTEIN ¹	GENE NAME ²	SPECIES	SOURCE ³	ACCESSION	FLAG SITES ⁴	FLAG PUB ⁵	TAP SITES ⁶	TAP PUB ⁷
alpha4	IGBP1	human	Kim Arndt	NM_001551	BamHI/NotI	Gingras 05	Pmel/Pacl	Gingras 05
CTTNBP2	CTTNBP2	human	MGC	BC106000	EcoRI/NotI	this study	N/A	N/A
CTTNBP2NL	CTTNBP2NL	human	MGC	BC016029	EcoRI/NotI	this study	N/A	N/A
STRIP1	FAM40A	mouse	MGC	BC023952	EcoRV/NotI	this study	N/A	N/A
TIP41	TIP41RL	human	Hela library	NM_152902	N/A	N/A	Pmel/Pacl	Gingras 05
Mob3	MOBKL3	human	MGC	BC005237	EcoRI/NotI	this study	Pmel/Pacl	this study
MST4	MST4	mouse	MGC	BC005708	Ascl/NotI	this study	N/A	N/A
CCM3	PDCD10	human	MGC	BC002506	Ascl/NotI	this study	N/A	N/A
PP2Ac α	PPP2CA	human	Hela library	NM_002715	EcoRI/Not	Gingras 05	Pmel/Pacl	this study
PP2Ac β	PPP2CB	human	Hela library	NM_004156	EcoRI/Not	Gingras 05	Pmel/Pacl	this study
PP2AA α	PPP2R1A	human	MGC	BC001537	Ascl/NotI	this study	Pmel/Pacl	Chen 08
SIKE	SIKE	human	MGC	BC005934	EcoRI/Xhol	this study	N/A	N/A
STK24	STK24	human	MGC	BC035578	Ascl/NotI	this study	N/A	N/A
STK25	STK25	human	MGC	BC007852	EcoRI/NotI	this study	N/A	N/A
striatin	STRN	mouse	MGC	BC090968	Ascl/NotI	this study	N/A	N/A
striatin3	STRN3	human	MGC	BC126221	EcoRI/NotI	this study	N/A	N/A
striatin4	STRN4	human	Origene	NM_013403	N/A	N/A	Pmel/Pacl	this study
TRAF3IP3	TRAF3IP3	human	MGC	BC110302	EcoRI/NotI	this study	NA	N/A

¹ Protein name as used in this publication² Gene name as per HUGO (ncbi Gene)³ Source of the original cDNAs used for cloning (MGC: mammalian gene collection)⁴ Restriction sites used to clone into pcDNA3-flag or pcDNA3-3HA⁵ Original reference for the pcDNA3-flag construct: (Gingras 05: Gingras, AC *et al*, Mol Cell Proteomics, 2005, 4: 1725-40)⁶ Restriction sites used to clone into pcDNA3-NTAP⁷ Original reference for the pcDNA3-NTAP construct (Chen 08: Chen, GI *et al*, 2008, submitted)

SUPPLEMENTAL TABLE S3. PARALOGY GROUPS

NODE NAME ¹	PROT 1 ²	PROT 2	PROT 3	PROT 4	PROT 5	PROT 6	PROT 7	PROT 8	MIN ID ³
CCT	TCP1	CCT2	CCT3	CCT4	CCT5	CCT6A	CCT7	CCT7	23%
CTTNBP2/NL	CTTNBP2	CTNBP2NL							36%
STRIP1/2	STRIP1/ FAM40A	STRIP2/ FAM40B							68%
liprin	liprin A1	liprin A3							61%
PP2A A	PP2A A α	PP2A A β							85%
PP2A B	PP2A B α	PP2A B β	PP2A B γ	PP2A B δ					80%
PP2A B'	PP2A B' α	PP2A B' β	PP2A B' γ	PP2A B' δ	PP2A B' ϵ				57%
PP2Ac	PP2Ac α	PP2Ac β							97%
SIKE/ FGFR1OP2	SIKE	FGFR1OP2							47%
SLMAP/ TRAF3IP3	SLMAP	TRAF3IP3							20%
striatins	striatin	striatin3	striatin4						46%
GCK-III	STK24	STK25	MST4						66%

¹ Name used on Figures 1, 3 and 4 to represent the paralogous protein families.² Members of the paralogy group³ Lowest percentage of identity (amino acid sequence) amongst components of the paralogy group.
Percentage ID calculated from Clustal alignments with BLOSUM 62 matrix, using the longest protein isoform deposited in RefSeq.

SUPPLEMENTAL TABLE S4

Detailed mass spectrometry data for TAP interactions. "Prophet" indicates the ProteinProphet p value, "%cover" is the coverage of each of the proteins, "npeps" is the number of unique peptides, "nspecs" is the total number of spectra assigned to the protein, "Ratio cover" is the percentage coverage of the interactor relative to the bait. **Red** denotes components of the PP2Ac-PP2A A core phosphatase, **green** represents the known PP2A B regulatory subunits (including the striatins), and **blue** indicates the detection of STRIP1/2 and CTTNBP2/NL in the pull-downs. The highlighted numbers are for proteins identified on the basis of a single unique peptide: the corresponding peptide annotation and annotated spectra are presented in Sup Table S6 and Sup Fig S7.

Bait name	Gene name	Protein name	RefSeq	Prophet	%cover	npeps	nspecs	Ratio cover
TAP-PP2AA α	PPP2R1A	PP2A A α	NP_055040	1	55	54	124	1.00
TAP-PP2AA α	PPP2R5D	PP2A B' δ	NP_006236	1	45.5	23	39	0.83
TAP-PP2AA α	PPP2CA/B	PP2Ac α/β	NP_002706, NP_004147	1	42.7	15	36	0.78
TAP-PP2AA α	PPP2R2A	PP2A B α	NP_002708	1	44.9	16	33	0.82
TAP-PP2AA α	PPFIA1	liprin A1	NP_003617	1	14.7	13	24	0.27
TAP-PP2AA α	FAM40A	STRIP1	XP_042708	1	15.5	7	13	0.28
TAP-PP2AA α	STRN	striatin	NP_003153	1	9.9	5	9	0.18
TAP-PP2AA α	STRN3	striatin 3	NP_001077362	1	31.9	5	9	0.58
TAP-PP2AA α	STRN4	striatin 4	NP_037535	1	14.2	5	8	0.26
TAP-PP2AA α	PPP2R2D	PP2A B δ	NP_006236	1	20.1	4	7	0.37
TAP-PP2AA α	PPP2R5C	PP2A B' γ	NP_002710	1	27.2	6	7	0.49
TAP-PP2AA α	MOBKL3	Mob3	NP_056202	1	22.8	2	6	0.41
TAP-PP2AA α	CTTNBP2NL	CTTNBP2NL	NP_061174	1	8.4	4	5	0.15
TAP-PP2Ac α	PPP2R1A	PP2A A α	NP_055040	1	63.2	41	112	1.14
TAP-PP2Ac α	PPP2CA/B	PP2Ac α/β	NP_002706, NP_004147	1	55.3	23	77	1.00
TAP-PP2Ac α	PPP2R2A	PP2A B α	NP_002708	1	55.1	27	64	1.00
TAP-PP2Ac α	IGBP1	alpha4	NP_001542	1	51.3	20	37	0.93
TAP-PP2Ac α	PPP2R5D	PP2A B' δ	NP_006236	1	37	15	29	0.67
TAP-PP2Ac α	PPP2R1B	PP2A A β	NP_002707	1	14.4	5	11	0.26
TAP-PP2Ac α	PPP2R2D	PP2A B δ	NP_006236	1	27.5	5	11	0.50
TAP-PP2Ac α	PPP2R5E	PP2A B' ϵ	NP_006237	1	14.6	4	10	0.26
TAP-PP2Ac α	STRN3	striatin 3	NP_055389	1	15.8	7	9	0.29
TAP-PP2Ac α	FAM40A	STRIP1	NP_149079	1	12.3	4	4	0.22
TAP-PP2Ac α	MOBKL3	Mob3	NP_056202	1	22.8	2	4	0.41
TAP-PP2Ac α	PPP2R5C	PP2A B' γ	NP_002710	1	12.2	2	4	0.22
TAP-PP2Ac α	STRN	striatin	NP_003153	1	4.5	2	2	0.08
TAP-PP2Ac α	CCT2	CCT2	NP_006422	1	7.9	2	2	0.14
TAP-PP2Ac α	TCP1	TCP1	NP_110379	1	5.6	2	2	0.10
TAP-PP2Ac α	STRN4	striatin 4	NP_037535	1	3.2	2	2	0.06
TAP-PP2Ac α	PPFIA3	liprin A3	NP_003651	0.99	2.4	1	1	0.04
TAP-PP2Ac α	PPFIA1	liprin A1	NP_003617	0.99	2.5	1	1	0.05
TAP-PP2Ac α	CTTNBP2NL	CTTNBP2NL	NP_061174	0.92	2.8	1	1	0.05
TAP-PP2Ac β	PPP2R1A	PP2A A α	NP_055040	1	46.3	33	69	1.02
TAP-PP2Ac β	PPP2CB	PP2Ac β	NP_004147	1	45.6	19	60	1.00
TAP-PP2Ac β	STRN	striatin	NP_003153	1	39.7	29	55	0.87
TAP-PP2Ac β	FAM40A	STRIP1	XP_042708	1	38.8	22	41	0.85
TAP-PP2Ac β	STRN4	striatin 4	NP_037535	1	33.9	14	30	0.74
TAP-PP2Ac β	STRN3	striatin 3	NP_001077362	1	37.5	10	27	0.82
TAP-PP2Ac β	TCP1	TCP1	NP_110379	1	31.1	14	22	0.68
TAP-PP2Ac β	CCT2	CCT2	NP_006422	1	30.5	10	20	0.67
TAP-PP2Ac β	CCT6A	CCT6A	NP_001753	1	19.8	7	14	0.43
TAP-PP2Ac β	CTTNBP2NL	CTTNBP2NL	NP_061174	1	15.2	8	14	0.33
TAP-PP2Ac β	MOBKL3	Mob3	NP_056202	1	22.8	4	12	0.50
TAP-PP2Ac β	CCT3	CCT3	NP_005989	1	21.3	9	12	0.47
TAP-PP2Ac β	CCT5	CCT5	NP_036205	1	19.6	9	12	0.43
TAP-PP2Ac β	IGBP1	alpha4	NP_001542	1	28.6	8	12	0.63
TAP-PP2Ac β	PPP2R2A	PP2A B α	NP_002708	1	26.7	8	10	0.59
TAP-PP2Ac β	CCT8	CCT8	NP_006576	1	16.6	8	9	0.36
TAP-PP2Ac β	CCT7	CCT7	NP_006420	1	14	5	8	0.31
TAP-PP2Ac β	CCT4	CCT4	NP_006421	1	22.6	7	8	0.50
TAP-PP2Ac β	FGFR1OP	FOP	NP_008976,	1	14.2	3	3	0.31

TAP-PP2Ac β	PPP2R5D	PP2A B' δ	NP_006236, NP_219499	1 0.94	9.1 3.8	2 1	2 1	0.20 0.08
TAP-PP2AB γ	TCP1	TCP1	NP_110379	1	54.1	32	56	1.21
TAP-PP2AB γ	PPP2R2C	PP2A B γ	NP_065149	1	44.7	5	51	1.00
TAP-PP2AB γ	CCT2	CCT2	NP_006422	1	56.4	31	49	1.26
TAP-PP2AB γ	PPP2R1A	PP2A A α	NP_055040	1	43.5	27	49	0.97
TAP-PP2AB γ	CCT6A	CCT6A	NP_001753	1	37.3	25	42	0.83
TAP-PP2AB γ	CCT5	CCT5	NP_036205	1	46	26	41	1.03
TAP-PP2AB γ	CCT7	CCT7	NP_006420	1	53.8	25	39	1.20
TAP-PP2AB γ	CCT4	CCT4	NP_006421	1	47.4	20	35	1.06
TAP-PP2AB γ	CCT8	CCT8	NP_006576	1	39.4	23	33	0.88
TAP-PP2AB γ	CCT3	CCT3	NP_005989	1	47.1	23	32	1.05
TAP-PP2AB γ	PPP2CA/B	PP2Ac α/β	NP_002706,NP_004147	1	28.8	9	16	0.64
TAP-PP2AB γ	PPP2R1B	PP2A A β	NP_002707	1	9.1	3	10	0.20
TAP-PP2AB' α	PPP2R1A	PP2A A α	NP_055040	1	28.2	18	36	0.95
TAP-PP2AB' α	PPP2R5A	PP2A B' α	NP_006234	1	29.6	14	20	1.00
TAP-PP2AB' α	PPP2CA/B	PP2Ac α/β	NP_002706,NP_004147	1	38.8	10	18	1.31
TAP-PP2AB' α	PPP2R1B	PP2A A β	NP_002707	0.99	4.9	1	3	0.17
TAP-striatin4	STRN4	striatin 4	NP_037535	1	58.8	50	175	1.00
TAP-striatin4	STRN3	striatin 3	NP_001077362	1	47.8	28	107	0.81
TAP-striatin4	PPP2R1A	PP2A A α	NP_055040	1	43	27	80	0.73
TAP-striatin4	STRN	striatin	NP_003153	1	36.3	26	70	0.62
TAP-striatin4	FAM40A	STRIP1	NP_149079	1	28.7	20	57	0.49
TAP-striatin4	MOBKL3	Mob3	NP_056202	1	53.8	11	53	0.91
TAP-striatin4	CTTNBP2NL	CTTNBP2NL	NP_061174,	1	31	17	49	0.53
TAP-striatin4	CCT3	CCT3	NP_005989	1	46	17	30	0.78
TAP-striatin4	CCT6A	CCT6A	NP_001753	1	18.5	9	30	0.31
TAP-striatin4	CCT2	CCT2	NP_006422	1	19.5	8	27	0.33
TAP-striatin4	CCT5	CCT5	NP_006576	1	31.2	15	26	0.53
TAP-striatin4	CCT7	CCT7	NP_006420	1	24.3	10	25	0.41
TAP-striatin4	CCT4	CCT4	NP_006421	1	29.8	11	24	0.51
TAP-striatin4	TCP1	TCP1	NP_110379	1	30	11	22	0.51
TAP-striatin4	PPP2CA/B	PP2Ac α/β	NP_002706,NP_004147	1	27.8	5	18	0.47
TAP-striatin4	CCT5	CCT5	NP_036205	1	23.8	8	13	0.40
TAP-striatin4	DNCL	dynein	NP_003737,NP_542408	0.97	12.4	1	6	0.21
TAP-striatin4	SIKE	SIKE	NP_079349	0.99	13.5	2	2	0.23
TAP-striatin4	PPP2R1B	PP2A A β	NP_002707,NP_859050	0.99	11.3	1	2	0.19
TAP-Mob3	STRN3	striatin 3	NP_001077362	1	58.5	18	78	1.16
TAP-Mob3	STRN	striatin	NP_003153	1	46.4	34	63	0.92
TAP-Mob3	FAM40A	STRIP1	NP_149079	1	45	34	55	0.89
TAP-Mob3	CTTNBP2NL	CTTNBP2NL	NP_061174	1	44.5	32	45	0.88
TAP-Mob3	STRN4	striatin 4	NP_037535	1	42.2	23	44	0.84
TAP-Mob3	PPP2R1A	PP2A A α	NP_055040	1	44.3	20	37	0.88
TAP-Mob3	MOBKL3	Mob3	NP_056202	1	50.3	13	27	1.00
TAP-Mob3	PPP2CA/B	PP2Ac a/b	NP_002706,NP_004147	1	44.3	10	15	0.88
TAP-Mob3	PPP2R1B	PP2A A b	NP_002707	1	10.9	3	12	0.22
TAP-Mob3	FAM40B	STRIP1	NP_065755	1	7.2	6	12	0.14
TAP-Mob3	DNCL	dynein	NP_003737	1	62.9	4	6	1.25
TAP-Mob3	SLMAP	SLMAP	NP_009090	1	9.1	4	5	0.18
TAP-Mob3	SIKE	SIKE	NP_079349	1	15	2	2	0.30
TAP-Mob3	CTTNBP2	CTTNBP2	NP_219499	1	1.3	2	2	0.03

SUPPLEMENTAL TABLE S5.

Detailed mass spectrometric data for flag interactions. The gene name for each prey (or "hit") is indicated; for protein names, refer to Sup Table S1. The accession numbers (protid) are from the International Protein Index (IPI). ProtLen is the length of the protein in amino acids and the GeneSymbol is from HUGO. Pw is the ProteinProphet probability, taking into account all peptides, regardless of the weight (based on shared peptides); Pfull is the ProteinProphet probability calculated without taking the weight into account. Npeps is the number of unique peptide ions; Nspecs is the number of matched spectra; Nspecswt95 is the number of spectra assigned with a weight of 0.95 or more to a given protein. Npepswt95 is the number of peptides with a weight >0.95. Ewing score is the interaction probability value reported by Ewing et al. (2007) Mol. Syst Biol, 3:89, when applicable (STK24 as a bait). Only proteins absent from flag alone purifications and detected with >20 spectra in at least two different AP-MS are reported. The exception to the 20 peptide rule consists in previously-reported interactions, such as those involving PP2Ac, PP2AA and PP2A B subunits; in this case, all hits are reported. Note that STRN3, SIKE and SLMAP are represented by two entries; the highest spectral count is used in Table II. The highlighted numbers are proteins identified on the basis of a single peptide: the corresponding peptide annotation and annotated spectra are presented in Sup Table S6 and Sup Fig S7. Red denotes components of the PP2Ac•PP2A A core phosphatase, green represents the known PP2A B regulatory subunits (including the striatins), and blue indicates the detection of STRIP1/2 and CTTNBP2/NL in the pull-downs

BAIT	protid	protLen	GeneSymbol	Protein name	Pw	Pfull	Npeps	Nspecs	Nspecswt95	Npepswt95	Ewing score
PP2A A α	IPI00554737	589	PPP2R1A	PP2A A α	1	1	126	548	548	134	
	IPI00008380	309	PPP2CA	PP2A C α	1	1	36	121	4	1	
	IPI00332511	447	PPP2R2A	PP2A B α	1	1	37	108	50	18	
	IPI00014456	780	STRN	striatin	1	1	4	9	9	4	
	IPI00549766	837	FAM40A	STRIP1	1	1	6	8	8	6	
	IPI00879459	797	STRN3	striatin 3	1	1	14	27	4	3	
	IPI00477001	713	STRN3	striatin 3	1	1	13	25	2	1	
	IPI00000030	602	PPP2R5D	PP2A B' δ	1	1	33	73	58	28	
	IPI00294178	601	PPP2R1B	PP2A A β	0	1	36	208	2	1	
	IPI00003016	753	STRN4	striatin 4	1	1	7	10	10	7	
	IPI00012834	524	PPP2R5C	PP2A B' γ	1	1	23	47	25	12	
	IPI00470920	453	PPP2R2D;ACTG1	PP2A B δ	1	1	29	75	17	8	
	IPI00442098	540	PPP2R5C	PP2A B' γ	0	1	22	44	0	0	
	IPI00007694	386	PPME1	PME1	1	1	14	27	27	14	
	IPI00514311	639	CTTNBP2NL	CTTNBP2NL	0.9999	0.9999	2	3	3	4	
	IPI00002853	467	PPP2R5E	PP2A B' ϵ	1	1	17	31	24	13	
	IPI00163496	1202	PPFIA1	liprin A1	1	1	15	24	24	16	
	IPI00793853	433	SLMAP	SLMAP	0.809	0.809	1	2	2	1	
	IPI00014978	486	PPP2R5A	PP2A B' α	1	1	7	11	10	6	
	IPI00845329	575	PPP2R3B	PP2A B' β	1	1	2	3	3	2	
	IPI00289271	1259	PPFIA2	liprin A2	0	0.9959	4	6	0	0	
	IPI00014980	497	PPP2R5B	PP2A B' β	0	0.7772	2	2	0	0	
BAIT	protid	protLen	GeneSymbol	Protein name	Pw	Pfull	Npeps	Nspecs	Nspecswt95	Npepswt95	Ewing score
PP2Ac α	IPI00554737	589	PPP2R1A	PP2A A α	1	1	58	345	310	56	
	IPI00008380	309	PPP2CA	PP2A C α	1	1	32	124	124	40	
	IPI00332511	447	PPP2R2A	PP2A B α	1	1	35	162	96	23	
	IPI00014456	780	STRN	striatin	1	1	14	34	32	14	
	IPI00549766	837	FAM40A	STRIP1	1	1	7	13	13	8	
	IPI00879459	797	STRN3	striatin 3	1	1	14	33	1	1	
	IPI00477001	713	STRN3	striatin 3	1	1	14	37	5	1	
	IPI00000030	602	PPP2R5D	PP2A B' δ	1	1	39	144	100	33	
	IPI00294178	601	PPP2R1B	PP2A A β	1	1	20	57	22	12	
	IPI00003016	753	STRN4	striatin 4	1	1	8	10	10	9	
	IPI00012834	524	PPP2R5C	PP2A B' γ	0	1	13	42	0	0	
	IPI00470920	453	PPP2R2D;ACTG1	PP2A B δ	1	1	27	88	22	14	
	IPI00442098	540	PPP2R5C	PP2A B' γ	1	1	17	48	12	6	
	IPI00386122	225	MOBLK3	Mob3	1	1	4	10	10	4	
	IPI00007694	386	PPME1	Pme1	1	1	18	51	51	19	
	IPI00514311	639	CTTNBP2NL	CTTNBP2NL	1	1	8	13	13	9	
	IPI00002853	467	PPP2R5E	PP2A B' ϵ	1	1	9	26	24	10	
	IPI00163496	1202	PPFIA1	liprin A1	1	1	32	79	72	28	
	IPI00019148	339	IGBP1	alpha4	1	1	11	39	39	11	
	IPI00793853	433	SLMAP	SLMAP	0.2292	0.2292	1	1	1	1	
	IPI00297779	535	CCT2	CCT2	1	1	8	18	18	8	
	IPI00784090	548	CCT8	CCT8	1	1	17	35	35	18	
	IPI00103869	1663	CTTNBP2	CTTNBP2	0.9627	0.9627	1	1	1	1	
	IPI00553185	545	CCT3	CCT3	1	1	11	20	20	12	
	IPI00290566	556	TCP1	TCP1	1	1	17	30	29	17	
	IPI00010720	541	CCT5	CCT5	1	1	5	11	11	6	
	IPI00027626	531	CCT6A	CCT6A	1	1	7	11	11	7	
	IPI00018465	543	CCT7	CCT7	1	1	7	19	19	7	
	IPI00398364	1194	PPFIA3	liprin A3	1	1	21	35	28	18	
	IPI00014978	486	PPP2R5A	PP2A B' α	1	1	7	20	20	7	
	IPI000302927	539	CCT4	CCT4	1	1	8	18	17	7	
	IPI00845329	575	PPP2R3B	PP2A B' β	1	1	10	19	19	10	
	IPI00289271	1259	PPFIA2	liprin A2	0	1	10	21	0	0	
	IPI00013076	399	FGFR1OP	FOP	1	1	4	6	6	4	
	IPI00014980	497	PPP2R5B	PP2A B' β	0	0.9996	2	3	1	1	
BAIT	protid	protLen	GeneSymbol	Protein name	Pw	Pfull	Npeps	Nspecs	Nspecswt95	Npepswt95	Ewing score
striatin	IPI00554737	589	PPP2R1A	PP2A A α	1	1	29	76	62	25	
	IPI00008380	309	PPP2CA	PP2A C α	1	1	7	29	29	7	
	IPI00014456	780	STRN	striatin	1	1	68	845	844	70	
	IPI00549766	837	FAM40A	STRIP1	1	1	34	93	90	33	
	IPI00879459	797	STRN3	striatin 3	1	1	24	51	5	3	
	IPI00477001	713	STRN3	striatin 3	0.9997	1	22	47	1	1	
	IPI00292827	416	RP6-213H19.1	MST4	1	1	14	37	14	8	
	IPI00294178	601	PPP2R1B	PP2A A β	0.9998	1	7	16	2	2	

BAIT	protid	protLen	GeneSymbol	Protein name	Pw	Pfull	Npeps	Nspecs	Nspecswt95	Npepswt95	Ewing score
striatin3	IPI0003016	753	STRN4	striatin 4	1	1	26	123	122	25	
	IPI00012093	426	STK25	STK25	0	1	4	9	0	0	
	IPI00872754	484	STK24	STK24	0	1	16	47	0	0	
	IPI00386122	225	MOBKL3	Mob3	1	1	10	59	59	11	
	IPI00298558	212	PDCD10	CCM3	1	1	16	25	25	16	
	IPI00514311	639	CTTNBP2NL	CTTNBP2NL	1	1	18	28	28	18	
	IPI00640464	207	SIKE	SIKE	1	1	9	12	12	9	
	IPI00305186	211	SIKE	SIKE	0	1	8	10	0	0	
	IPI0067651	893	FAM40B	STRIP2	1	1	8	13	10	7	
	IPI00793853	433	SLMAP	SLMAP	0	1	24	59	0	0	
	IPI00297779	535	CCT2	CCT2	1	1	8	14	14	8	
	IPI00784090	548	CCT8	CCT8	1	1	7	11	11	7	
	IPI00103869	1663	CTTNBP2	CTTNBP2	1	1	3	7	7	3	
	IPI00553185	545	CCT3	CCT3	1	1	8	11	11	8	
	IPI00290566	556	TCP1	TCP1	1	1	10	13	13	10	
	IPI00010720	541	CCT5	CCT5	1	1	13	23	23	13	
	IPI00014903	253	FGFR1OP2	FGFR1OP2	1	1	8	30	30	8	
	IPI00027626	531	CCT6A	CCT6A	1	1	7	12	12	7	
	IPI00018465	543	CCT7	CCT7	1	1	9	15	15	9	
	IPI00302927	539	CCT4	CCT4	1	1	7	9	9	7	
	IPI00788882	94	SLMAP	SLMAP	0.8869	1	4	19	1	1	
	IPI00220656	530	CCT6B	CCT6B	0	0.9887	2	2	0	0	
BAIT	protid	protLen	GeneSymbol	Protein name	Pw	Pfull	Npeps	Nspecs	Nspecswt95	Npepswt95	Ewing score
striatin3	IPI00554737	589	PPP2R1A	PP2A A α	1	1	34	52	52	37	
	IPI00008380	309	PPP2CA	PP2A C α	1	1	12	32	32	12	
	IPI00014456	780	STRN	striatin	1	1	34	56	52	32	
	IPI00549766	837	FAM40A	STRIP1	1	1	45	99	91	47	
	IPI00879459	797	STRN3	striatin 3	1	1	72	212	11	9	
	IPI00477001	713	STRN3	striatin 3	0.9998	1	64	203	2	1	
	IPI00292827	416	RP6-213H19.1	MST4	1	1	8	8	4	4	
	IPI00294178	601	PPP2R1B	PP2A A β	0	1	6	10	0	0	
	IPI00003016	753	STRN4	striatin 4	1	1	39	69	65	36	
	IPI00012093	426	STK25	STK25	0	1	5	5	0	0	
	IPI00872754	484	STK24	STK24	0	1	7	7	0	0	
	IPI00386122	225	MOBKL3	Mob3	1	1	10	52	52	12	
	IPI00298558	212	PDCD10	CCM3	1	1	5	6	6	5	
	IPI00514311	639	CTTNBP2NL	CTTNBP2NL	1	1	35	52	52	36	
	IPI00640464	207	SIKE	SIKE	1	1	18	20	20	19	
	IPI00305186	211	SIKE	SIKE	0	1	16	18	0	0	
	IPI0067651	893	FAM40B	STRIP2	1	1	12	18	10	9	
	IPI008793853	433	SLMAP	SLMAP	1	1	37	51	1	1	
	IPI00297779	535	CCT2	CCT2	1	1	17	18	18	17	
	IPI00784090	548	CCT8	CCT8	1	1	10	10	10	10	
	IPI00103869	1663	CTTNBP2	CTTNBP2	1	1	21	24	24	21	
	IPI00553185	545	CCT3	CCT3	1	1	16	19	19	18	
	IPI00290566	556	TCP1	TCP1	1	1	16	16	15	15	
	IPI00010720	541	CCT5	CCT5	1	1	14	14	14	14	
	IPI00014903	253	FGFR1OP2	FGFR1OP2	1	1	14	17	17	14	
	IPI00027626	531	CCT6A	CCT6A	1	1	11	12	12	11	
	IPI00018465	543	CCT7	CCT7	1	1	8	8	8	8	
	IPI00302927	539	CCT4	CCT4	1	1	8	8	7	7	
	IPI00788882	94	SLMAP	SLMAP	0	0.9998	3	4	0	0	
BAIT	protid	protLen	GeneSymbol	Protein name	Pw	Pfull	Npeps	Nspecs	Nspecswt95	Npepswt95	Ewing score
Mob3	IPI00554737	589	PPP2R1A	PP2A A α	1	1	45	111	89	38	
	IPI00008380	309	PPP2CA	PP2A C α	1	1	11	28	28	11	
	IPI00014456	780	STRN	striatin	1	1	72	308	302	72	
	IPI00549766	837	FAM40A	STRIP1	1	1	54	164	157	51	
	IPI00879459	797	STRN3	striatin 3	1	1	65	260	30	13	
	IPI00477001	713	STRN3	striatin 3	0.9997	1	53	232	2	1	
	IPI00292827	416	RP6-213H19.1	MST4	1	1	15	36	19	5	
	IPI00294178	601	PPP2R1B	PP2A A β	1	1	15	32	10	8	
	IPI00003016	753	STRN4	striatin 4	1	1	56	396	393	56	
	IPI00012093	426	STK25	STK25	0.9705	1	6	10	1	1	
	IPI00872754	484	STK24	STK24	0	1	25	59	0	0	
	IPI00386122	225	MOBKL3	Mob3	1	1	16	179	179	17	
	IPI00298558	212	PDCD10	CCM3	1	1	19	33	33	19	
	IPI00514311	639	CTTNBP2NL	CTTNBP2NL	1	1	39	107	107	39	
	IPI00640464	207	SIKE	SIKE	1	1	18	50	50	20	
	IPI00305186	211	SIKE	SIKE	0	1	17	48	0	0	
	IPI0067651	893	FAM40B	STRIP2	1	1	20	28	21	16	
	IPI008793853	433	SLMAP	SLMAP	1	1	49	104	0	0	
	IPI00297779	535	CCT2	CCT2	1	1	6	7	7	6	
	IPI00784090	548	CCT8	CCT8	1	1	10	16	16	10	
	IPI00103869	1663	CTTNBP2	CTTNBP2	1	1	33	51	51	33	
	IPI00553185	545	CCT3	CCT3	1	1	7	8	8	7	
	IPI00290566	556	TCP1	TCP1	1	1	9	9	9	9	
	IPI00010720	541	CCT5	CCT5	1	1	5	7	7	5	
	IPI00014903	253	FGFR1OP2	FGFR1OP2	1	1	17	29	29	17	
	IPI00027626	531	CCT6A	CCT6A	1	1	6	8	8	6	
	IPI00018465	543	CCT7	CCT7	1	1	5	7	7	5	
	IPI00302927	530	CCT6B	CCT6B	0	0.6419	2	2	0	0	
BAIT	protid	protLen	GeneSymbol	Protein name	Pw	Pfull	Npeps	Nspecs	Nspecswt95	Npepswt95	Ewing score
STRIP1	IPI00554737	589	PPP2R1A	PP2A A α	1	1	14	25	25	15	
	IPI00008380	309	PPP2CA	PP2A C α	1	1	9	17	17	9	

BAIT	protid	protLen	GeneSymbol	Protein name	Pw	Pfull	Npeps	Nspecs	Nspecswt95	Npepswt95	Ewing score
CTTNBP2NL	IPI00554737	589	PPP2R1A	PP2A A α	1	1	20	43	43	20	
	IPI00008380	309	PPP2CA	PP2A $\alpha\epsilon$	1	1	10	22	22	10	
	IPI00014456	780	STRN	striatin	1	1	34	88	82	37	
	IPI00549766	837	FAM40A	STRIP1	1	1	23	62	41	25	
	IPI00879459	797	STRN3	striatin 3	1	1	27	107	16	6	
	IPI00477001	713	STRN3	striatin 3	0.9998	1	22	95	4	1	
	IPI00292827	416	RP6-213H19.1	MST4	0	1	8	16	0	0	
	IPI00294178	601	PPP2R1B	PP2A A β	0	1	4	8	0	0	
	IPI00003016	753	STRN4	striatin 4	1	1	21	75	75	22	
	IPI00012093	426	STK25	STK25	0	1	5	10	1	1	
	IPI00872754	484	STK24	STK24	0	1	5	9	0	0	
	IPI00386122	225	MOBKL3	Mob3	1	1	10	69	69	12	
	IPI00298558	212	PDCD10	CCM3	1	1	7	15	15	7	
	IPI00514311	639	CTTNBP2NL	CTTNBP2NL	1	1	26	108	108	26	
	IPI00607651	893	FAM40B	STRIP2	1	1	4	26	5	3	
BAIT	protid	protLen	GeneSymbol	Protein name	Pw	Pfull	Npeps	Nspecs	Nspecswt95	Npepswt95	Ewing score
CTTNBP2	IPI00554737	589	PPP2R1A	PP2A A α	1	1	30	43	43	30	
	IPI00008380	309	PPP2CA	PP2A $\alpha\epsilon$	1	1	10	15	15	11	
	IPI00014456	780	STRN	striatin	1	1	35	52	50	35	
	IPI00549766	837	FAM40A	STRIP1	1	1	45	71	65	44	
	IPI00879459	797	STRN3	striatin 3	1	1	44	96	9	7	
	IPI00477001	713	STRN3	striatin 3	0.9998	1	38	90	3	1	
	IPI00292827	416	RP6-213H19.1	MST4	0	1	3	3	1	1	
	IPI00294178	601	PPP2R1B	PP2A A β	0	1	4	4	0	0	
	IPI00003016	753	STRN4	striatin 4	1	1	32	66	66	34	
	IPI00012093	426	STK25	STK25	0	0.9602	2	2	0	0	
	IPI00872754	484	STK24	STK24	0	0.9948	4	4	0	0	
	IPI00386122	225	MOBKL3	Mob3	1	1	12	26	26	12	
	IPI00298558	212	PDCD10	CCM3	1	1	4	4	4	4	
	IPI00514311	639	CTTNBP2NL	CTTNBP2NL	1	1	7	7	7	8	
	IPI00607651	893	FAM40B	STRIP2	1	1	14	18	12	10	
	IPI00297779	535	CCT2	CCT2	0.9998	0.9998	2	2	2	2	
	IPI00784090	548	CCT8	CCT8	0.9998	1	2	2	2	2	
	IPI00103869	1663	CTTNBP2	CTTNBP2	1	1	42	122	122	47	
	IPI00553185	545	CCT3	CCT3	1	1	3	5	5	4	
	IPI00290566	556	TCP1	TCP1	1	1	3	4	4	3	
	IPI00010720	541	CCT5	CCT5	1	1	2	2	2	2	
	IPI00027626	531	CCT6A	CCT6A	0.9999	0.9999	2	2	2	2	
BAIT	protid	protLen	GeneSymbol	Protein name	Pw	Pfull	Npeps	Nspecs	Nspecswt95	Npepswt95	Ewing score
CCM3	IPI00554737	589	PPP2R1A	PP2A A α	1	1	18	19	19	18	
	IPI00008380	309	PPP2CA	PP2A $\alpha\epsilon$	1	1	6	6	6	6	
	IPI00014456	780	STRN	striatin	1	1	31	31	31	33	
	IPI00549766	837	FAM40A	STRIP1	1	1	13	13	13	15	
	IPI00879459	797	STRN3	striatin 3	1	1	20	23	1	1	
	IPI00477001	713	STRN3	striatin 3	1	1	20	23	1	1	
	IPI00292827	416	RP6-213H19.1	MST4	1	1	79	294	104	54	
	IPI00294178	601	PPP2R1B	PP2A A β	0	0.9933	2	2	0	0	
	IPI00003016	753	STRN4	striatin 4	1	1	9	10	10	9	
	IPI00012093	426	STK25	STK25	1	1	37	195	28	24	
	IPI00872754	484	STK24	STK24	1	1	56	209	120	36	
	IPI00386122	225	MOBKL3	Mob3	1	1	7	9	9	7	
	IPI00298558	212	PDCD10	CCM3	1	1	89	218	218	96	
	IPI00514311	639	CTTNBP2NL	CTTNBP2NL	1	1	10	10	10	10	
	IPI00640464	207	SIKE	SIKE	1	1	5	5	5	5	
	IPI00305186	211	SIKE	SIKE	1	1	5	5	5	5	
	IPI00793853	433	SLMAP	SLMAP	1	1	16	17	0	0	
	IPI00103869	1663	CTTNBP2	CTTNBP2	0.9865	0.9865	1	1	1	1	
	IPI00014903	253	FGFR1OP2	FGFR1OP2	1	1	8	8	8	8	
	IPI00788882	94	SLMAP	SLMAP	1	1	2	2	0	0	
BAIT	protid	protLen	GeneSymbol	Protein name	Pw	Pfull	Npeps	Nspecs	Nspecswt95	Npepswt95	Ewing score
MST4	IPI00554737	589	PPP2R1A	PP2A A α	1	1	29	39	39	29	
	IPI00008380	309	PPP2CA	PP2A $\alpha\epsilon$	1	1	8	14	14	8	
	IPI00014456	780	STRN	striatin	1	1	39	89	87	42	
	IPI00549766	837	FAM40A	STRIP1	1	1	33	52	49	30	
	IPI00879459	797	STRN3	striatin 3	1	1	31	68	8	5	
	IPI00477001	713	STRN3	striatin 3	0.9998	1	27	63	3	1	

BAIT	protid	protLen	GeneSymbol	Protein name	Pw	Pfull	Npeps	Nspecs	Nspecswt95	Npepswt95	Ewing score
STK24	IPI00292827	416	RP6-213H19.1	MST4	1	1	95	555	328	86	
	IPI00294178	601	PPP2R1B	PP2A A β	0	1	6	10	0	0	
	IPI0003016	753	STRN4	striatin 4	1	1	16	28	28	16	
	IPI0012093	426	STK25	STK25	1	1	25	230	3	3	
	IPI00872754	484	STK24	STK24	0	1	20	169	0	3	
	IPI00386122	225	MOBL3	Mob3	1	1	10	29	29	10	
	IPI00298558	212	PDCD10	CCM3	1	1	36	97	97	38	
	IPI00514311	639	CTTNBP2NL	CTTNBP2NL	1	1	26	33	33	26	
	IPI00640464	207	SIKE	SIKE	1	1	10	11	11	10	
	IPI00305186	211	SIKE	SIKE	0	1	9	10	0	0	
	IPI00607651	893	FAM40B	STRIP2	1	1	8	8	5	5	
	IPI00793853	433	SLMAP	SLMAP	1	1	27	33	0	0	
	IPI00103869	1663	CTTNBP2	CTTNBP2	1	1	3	3	3	3	
	IPI00014903	253	FGFR1OP2	FGFR1OP2	1	1	10	13	13	10	
	IPI00788882	94	SLMAP	SLMAP	0	0.9998	2	3	0	0	
BAIT	protid	protLen	GeneSymbol	Protein name	Pw	Pfull	Npeps	Nspecs	Nspecswt95	Npepswt95	Ewing score
STK24	IPI00554737	589	PPP2R1A	PP2A A α	1	1	33	63	47	26	0.51
	IPI00008380	309	PPP2CA	PP2A C α	0.9989	1	7	10	1	1	0.42
	IPI00014456	780	STRN	striatin	1	1	57	113	113	59	0.521
	IPI00549766	837	FAM40A	STRIP1	1	1	36	55	50	33	0.426
	IPI00879459	797	STRN3	striatin 3	1	1	41	84	12	5	0.559
	IPI00477001	713	STRN3	striatin 3	0.9997	1	37	74	2	1	
	IPI00292827	416	RP6-213H19.1	MST4	0	1	13	79	0	0	
	IPI00294178	601	PPP2R1B	PP2A A β	0.9868	1	8	17	1	1	
	IPI0003016	753	STRN4	striatin 4	1	1	23	43	43	24	
	IPI0012093	426	STK25	STK25	0	1	6	64	0	0	0.444
	IPI00872754	484	STK24	STK24	0	1	52	322	0	0	
	IPI00386122	225	MOBL3	Mob3	1	1	11	22	22	11	0.446
	IPI00298558	212	PDCD10	CCM3	1	1	39	81	81	40	0.462
	IPI00514311	639	CTTNBP2NL	CTTNBP2NL	1	1	28	44	44	28	
	IPI00640464	207	SIKE	SIKE	1	1	12	16	16	12	
	IPI00305186	211	SIKE	SIKE	0	1	11	15	0	0	
	IPI00607651	893	FAM40B	STRIP2	1	1	12	13	8	8	
	IPI00793853	433	SLMAP	SLMAP	1	1	28	41	0	0	0.377
	IPI00297779	535	CCT2	CCT2	1	1	3	3	3	3	
	IPI00784090	548	CCT8	CCT8	1	1	4	4	4	4	
	IPI00103869	1663	CTTNBP2	CTTNBP2	1	1	6	7	7	6	
	IPI00553185	545	CCT3	CCT3	1	1	7	11	11	7	
	IPI00290566	556	TCP1	TCP1	1	1	6	6	6	6	
	IPI00010720	541	CCT5	CCT5	1	1	3	3	3	3	
	IPI00014903	253	FGFR1OP2	FGFR1OP2	1	1	8	9	9	8	
	IPI00027626	531	CCT6A	CCT6A	1	1	3	4	4	3	
	IPI00018465	543	CCT7	CCT7	1	1	4	5	5	4	
	IPI00302927	539	CCT4	CCT4	1	1	3	4	4	3	
	IPI00788882	94	SLMAP	SLMAP	1	1	3	5	0	0	
BAIT	protid	protLen	GeneSymbol	Protein name	Pw	Pfull	Npeps	Nspecs	Nspecswt95	Npepswt95	Ewing score
STK25	IPI00554737	589	PPP2R1A	PP2A A α	1	1	21	40	30	16	
	IPI00008380	309	PPP2CA	PP2A C α	1	1	5	9	9	5	
	IPI00014456	780	STRN	striatin	1	1	50	229	154	49	
	IPI00549766	837	FAM40A	STRIP1	1	1	24	33	31	22	
	IPI00879459	797	STRN3	striatin 3	1	1	34	153	13	8	
	IPI00477001	713	STRN3	striatin 3	0.9998	1	27	142	2	1	
	IPI00292827	416	RP6-213H19.1	MST4	1	1	22	387	16	11	
	IPI00294178	601	PPP2R1B	PP2A A β	0.9998	1	6	11	1	1	
	IPI0003016	753	STRN4	striatin 4	1	1	17	32	32	17	
	IPI0012093	426	STK25	STK25	1	1	42	577	206	33	
	IPI00872754	484	STK24	STK24	0	1	14	149	0	0	
	IPI00386122	225	MOBL3	Mob3	1	1	9	33	33	9	
	IPI00298558	212	PDCD10	CCM3	1	1	29	63	63	30	
	IPI00514311	639	CTTNBP2NL	CTTNBP2NL	1	1	17	46	46	17	
	IPI00640464	207	SIKE	SIKE	1	1	2	2	2	3	
	IPI00305186	211	SIKE	SIKE	1	1	2	2	2	3	
	IPI00607651	893	FAM40B	STRIP2	1	1	5	5	3	3	
	IPI00793853	433	SLMAP	SLMAP	1	1	16	48	0	0	
	IPI00103869	1663	CTTNBP2	CTTNBP2	0.992	0.992	1	1	1	1	
	IPI00290566	556	TCP1	TCP1	1	1	3	3	3	3	
	IPI00014903	253	FGFR1OP2	FGFR1OP2	1	1	9	12	12	9	
	IPI00788882	94	SLMAP	SLMAP	1	1	3	4	0	0	
BAIT	protid	protLen	GeneSymbol	Protein name	Pw	Pfull	Npeps	Nspecs	Nspecswt95	Npepswt95	Ewing score
SIKE	IPI00554737	589	PPP2R1A	PP2A A α	1	1	16	30	30	17	
	IPI00008380	309	PPP2CA	PP2A C α	1	1	6	11	11	6	
	IPI00014456	780	STRN	striatin	1	1	30	69	69	35	
	IPI00549766	837	FAM40A	STRIP1	1	1	25	40	40	25	
	IPI00879459	797	STRN3	striatin 3	1	1	27	55	4	3	
	IPI00477001	713	STRN3	striatin 3	0.9957	1	25	52	1	1	
	IPI00294178	601	PPP2R1B	PP2A A β	0	0.9761	3	7	0	0	
	IPI0003016	753	STRN4	striatin 4	1	1	15	33	32	16	
	IPI00872754	484	STK24	STK24	0.9999	0.9999	2	4	4	2	
	IPI00386122	225	MOBL3	Mob3	1	1	8	16	16	9	
	IPI00298558	212	PDCD10	CCM3	1	1	4	6	6	4	
	IPI00640464	207	SIKE	SIKE	1	1	35	218	218	41	
	IPI00305186	211	SIKE	SIKE	0	1	32	209	0	0	
	IPI00607651	893	FAM40B	STRIP2	0	0.9184	2	5	0	1	
	IPI00793853	433	SLMAP	SLMAP	1	1	16	37	0	0	

	IPI00014903	253 FGFR1OP2	FGFR1OP2	Pw	1	1	10	26	26	11	Ewing score
BAIT	protid	protLen	GeneSymbol	Protein name	Pfull	Npeps	Nspecs	Nspecswt95	Npepswt95		
TRAF3IP3	IPI00554737	589 PPP2R1A	PP2A A α	PP2A A α	1	1	31	37	37	33	
	IPI00008380	309 PPP2CA	PP2A $\text{C}\alpha$	PP2A $\text{C}\alpha$	1	1	10	15	15	10	
	IPI00014456	780 STRN	striatin	striatin	1	1	42	85	84	45	
	IPI00549766	837 FAM40A	STRIP1	STRIP1	1	1	38	62	55	34	
	IPI00879459	797 STRN3	striatin 3	striatin 3	1	1	41	73	72	42	
	IPI00477001	713 STRN3	striatin 3	striatin 3	0	1	34	63	0	0	
	IPI00292827	416 RP6-213H19.1	MST4	MST4	0	1	3	3	0	0	
	IPI00294178	601 PPP2R1B	PP2A A β	PP2A A β	0	1	4	4	0	0	
	IPI00003016	753 STRN4	striatin 4	striatin 4	1	1	33	64	64	35	
	IPI00012093	426 STK25	STK25	STK25	0	0.997	2	2	0	1	
	IPI00872754	484 STK24	STK24	STK24	1	1	6	8	8	6	
	IPI00386122	225 MOBKL3	Mob3	Mob3	1	1	9	29	29	10	
	IPI00298558	212 PDCD10	CCM3	CCM3	1	1	7	7	7	7	
	IPI00640464	207 SIKE	SIKE	SIKE	1	1	21	39	4	2	
	IPI00305186	211 SIKE	SIKE	SIKE	0.9798	1	20	36	1	1	
	IPI00607651	893 FAM40B	STRIP2	STRIP2	1	1	12	16	9	9	
	IPI00784090	548 CCT8	CCT8	CCT8	0.9995	0.9995	2	2	2	3	
	IPI00553185	545 CCT3	CCT3	CCT3	0.591	0.591	2	2	2	2	
	IPI00290566	556 TCP1	TCP1	TCP1	0.9999	0.9999	2	2	2	2	
	IPI00010720	541 CCT5	CCT5	CCT5	1	1	2	3	3	2	
	IPI00014903	253 FGFR1OP2	FGFR1OP2	FGFR1OP2	1	1	19	30	30	20	
	IPI00719170	551 TRAF3IP3	TRAF3IP3	TRAF3IP3	1	1	23	60	60	23	
	IPI00019329	89 DYNLL1	DYNLL1	DYNLL1	0.9997	0.9998	2	5	5	2	

SUPPLEMENTAL TABLE S6.

List of proteins identified by a unique peptide. For the bait, F = flag-tag, T = TAP tag. The number of unique peptides (npeps) and spectra (nspecs) are indicated. The sequence of the identified peptide is shown. "Direct additional evidence" for the interaction indicates that the interaction was also detected between the same two proteins in an independent experiment (e.g. in the other tag system, or in a reciprocal AP-MS experiment in which the hit or prey is now tagged). "Indirect additional evidence" indicates that an interaction has been independently detected between paralogs of one or the two proteins.

bait	hit	npeps	nspecs	peptide	direct additional evidence	indirect additional evidence
F-PP2A α	SLMAP	1	2	DEILLLHQAAAK		reciprocal flag MS with paralog
F-PP2A α	SLMAP	1	1	IIEALQADNDFTNER		reciprocal flag MS with paralog
F-PP2A α	CTTNBP2	1	1	APEDAAGAAAEEAK	TAP MS, reciprocal flag MS	paralogy to CTTNBP2NL
T-striatin4	dynein	1	6	NFGSYVTTHEK		flag MS with paralogs
T-striatin4	PP2A β	1	2	AAGGDGDDSLYPIAVLIDELR	published	flag MS with paralogs, reciprocal flag MS with paralog
T-PP2A α	liprin A3	1	1	DSSSLAGTPSDETLATDPLGLAK	flag MS	
T-PP2A α	liprin A1	1	1	TLTDGVLDINHEQENTPSTSGK	flag MS	
T-PP2A α	CTTNBP2NL	1	1	MNTTGLPGPATPAYSYAK	flag MS, reciprocal flag MS	flag MS with paralog, reciprocal flag MS with paralog
T-PP2A β	CTTNBP2	1	1	VAANTPSMYSQUELFQLSQYLQEALHR	flag MS, reciprocal flag MS	flag MS with paralog, reciprocal flag MS with paralog
T-PP2AB' α	PP2A β	1	3	AAGGDGDDSLYPIAVLIDELR	published	

SUPPLEMENTAL TABLE S7.

Peptide statistics for single peptide identifications. For the bait, F = flag-tag, T = TAP tag. The number of unique peptides (npeps) and spectra (nspecs) are indicated. The sequence of the identified peptide is shown. "ntt" is the number of tryptic termini, "missed" the number of missed cleavages", "charge" is the charge state of the parent ion, "parent mass" is the theoretical mass of the parent ion, "error" is the calculated error on the mass of the parent ion, "matched" id the proportion of match ions, and "PeptideProphet" is the statistical value assigned to the peptide by PeptideProphet. Software-specific scoring results (X!Tandem, SEQUEST) are indicated.

A) flag-tag experiments. Instrument: ThermoFinnigan LTQ. Searches performed with X!Tandem

bait	hit	npeps	nspecs	peptide	ntt	missed	charge	parent mass	error	matched	hyperscore	nextscore	expect		PeptideProphet
F-PP2A α	SLMAP	1	2	DEILLHQAAAK	2	0	2	1321.7	-0.2	19/22	491	353	0.046		0.9977
F-PP2A α	SLMAP	1	1	I EALQADNDFTNER	2	0	2	1635.8	-0.1	21/26	351	312	1.4		0.9589
F-PP2A α	CTTNBP2	1	1	APEDAAGAAAEEAK	2	0	2	1242.6	-0.3	20/26	357	287	0.11		0.9905

B) TAP-tag experiments. Instrument: ThermoFinnigan LCQ. Searches performed with SEQUEST

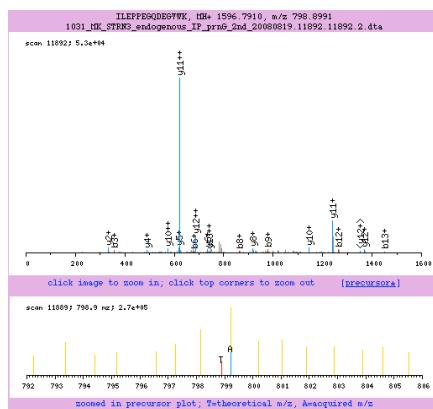
bait	hit	npeps	nspecs	peptide	ntt	missed	charge	parent mass	error	matched	Xcorr	delCN	Sp	RSp	PeptideProphet
T-striatin4	dynein	1	6	NFGSYVTHETK	2	0	2	1283.4	0.1	15/20	3.16	0.357	798	1	1
T-striatin4	PP2A A β	1	2	AAGGGDDDSLPIAVLIDELR	1	0	3	2161.4	-1.2	36/80	4.89	0.196	1526.6	1	0.99
T-PP2A α	liprin A3	1	1	DSSSLAGTPSDET LATDPLGLAK	2	0	2	2247.4	0.9	23/44	4.31	0.4	864.9	1	0.99
T-PP2A α	liprin A1	1	1	TLTDGVLDINHEQENTPSTSGK	2	0	2	2357.5	-0.9	18/42	3.5426	0.421	734.2	1	1
T-PP2A β	CTTNBP2NL	1	1	MNTGLPGPATPAYSYAK	2	0	2	1841.1	-0.1	15/34	2.0184	0.276	190.3	5	0.99
T-PP2A β	CTTNBP2	1	1	VAANTPSMYSQELFQLSQYLQEALHR	2	0	3	3026.4	1.8	28/100	3.35	0.369	387.2	1	1
T-PP2AB α	PP2A A β	1	3	AAGGGDDDSLPIAVLIDELR	1	0	3	2161.4	-1.5	33/80	4.72	0.253	1197.8	1	1

SUPPLEMENTAL TABLE S7.

Mass spectrometric data for interactions with endogenous MST4 and striatin 3. Immunoprecipitation/mass spectrometry was performed as described in Experimental Procedures. The accession numbers (protid) for each of the identified proteins are from the International Protein Index (IPI). ProtLen is the length of the protein in amino acids and the GeneSymbol is from HUGO. The number of unique peptides in the MST4 and Striatin 3 IPs (MST4 Npeps, Striatin3 Npeps) is indicated, along with the total number of spectra in each IP (MST4 Nspecs, Striatin3 Nspecs). The ProteinProphet probability was >0.99 in all cases, except for Mob3 in the Striatin3 IP (0.9796) and MST4 in the Striatin3 IP (0.9790). The numbers highlighted in purple correspond to proteins identified on the basis of a single unique peptide: the corresponding annotated spectra are presented below. • indicates that peptides were detected, but that they fell below the ProteinProphet cutoff value (0.8). •• indicates that peptides were detected, but that they were all shared with different entries. Red denotes components of the PP2Ac•PP2A A core phosphatase, green represents the known PP2A B regulatory subunits (including the striatins), and blue indicates the detection of STRIP1/2 and CTTNBP2/NL in the pull-downs

protid	protLen	GeneSymbol	Protein name	MST4 Npeps	MST4 Nspecs	Striatin3 Npeps	striatin3 Nspecs
IPI00298558	212	PDCD10	CCM3	25	97	3	3
IPI00103869	1663	CTTNBP2	CTTNBP2	2	3	••	••
IPI00514311	639	CTTNBP2NL	CTTNBP2NL	9	12	16	23
IPI00386122	225	MOBKL3	Mob3	2	8	1	2
IPI00292827	416	RP6-213H19.1	MST4	45	219	1	2
IPI00554737	589	PPP2R1A	PP2A Aa	5	8	11	20
IPI00008380	309	PPP2CA/B	PP2Aca/b	2	2	3	7
IPI00793853	433	SLMAP	SLMAP	3	3	•	•
IPI00014456	780	STRN	striatin	11	22	••	••
IPI00879459	797	STRN3	striatin 3	11	20	16	31
IPI00003016	753	STRN4	striatin 4	3	5	10	16
IPI00549766	837	FAM40A	STRIP1	•	•	9	17
IPI00607651	893	FAM40B	STRIP2	••	••	•	•

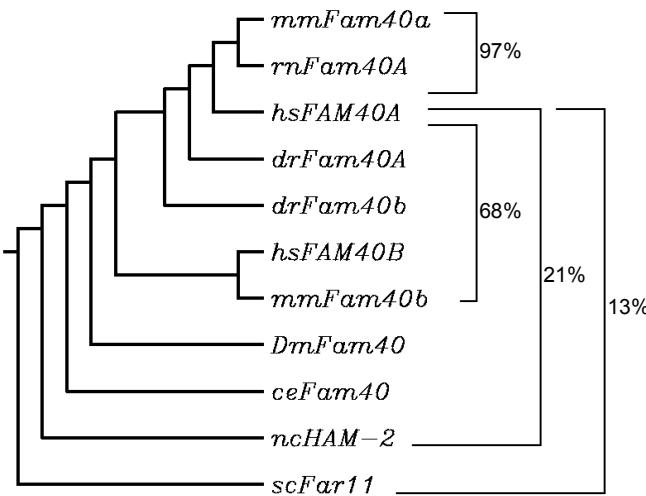
Detection of Mob3 in Striatin3 IP



SUPPLEMENTAL FIGURE S1

A

hsSTRIP1	1	MEPAVGGPGPLIVNNKQPQQPPPPPPAAQPPPGAPRAAAGLLPGKGKAREFNRNQRKDSEGYESPDLFEFYADTDKWAA
hsSTRIP2	1	-----MEDPAAPGTGGPPANGNCNGGGKGKQAAPKCREAFRSQRRESEGSVDCPTLEFEYGDADGHAA
hsSTRIP1	81	ELSELYSYTEGPPEELMNRKCFEEDFRIHVTDKKWTEDLTNQHRTHAMRRLLDGLEVTAREKRLKVARAILYVAQGTFGECS
hsSTRIP2	64	ELSELYSYTENIEETTNNRRCFEEDFRKTQVQCKEWLEEEDAQKAYIMGLLDRLEVVSRERRLKVARAVLYLAQGTFGECD
hsSTRIP1	161	SEAEVQSWMRYNIFLILLEVGTFTNALVELLNMEIDNSAACSSAVRKPAVSLADSTDLRVVILIMYLIVETVHOECFGDKAE
hsSTRIP2	144	SEVDVLHWSRYNCFLLYQMGTFTSFIELLHMEIDNSAACSSALRKPAVSLADSTELRVVLSVMYLMVENIRLERETDPCG
hsSTRIP1	241	WRTMRQTFRAELGSPLYNNEPFAIMLFGMVTKFCSGAPHFPMKKVLLLWKTVLCTLGGFELQSMKAEKRSILGLPPL
hsSTRIP2	224	WRTARETFRTTELFSFSMHNEEPFALLFESMVTKFCSGAPHFPIKKVLLLWKVVMFTLGGFELQTLKVQKRABLGLPPL
hsSTRIP1	321	PEDSIKVIRNMRAASPPASASDLIEQQQK-----RGRREHKALIKQDNLDAFNERDPYKADDSEEEEN---DDDN
hsSTRIP2	304	AEDSIQVVKSRAASPPSYTLDIGPSQLAPPSKLRCRGSRBQLITKQDSLDIYNERDLKTEEFPATEEFFESAGDGER
hsSTRIP1	390	SLEGETFPPLERDEVMPPPLQHP--QTDRLTCPKGLPWAKPVREKDIEMFLESSRSKFIGYTLGSDTNTVVGTPRPIHESI
hsSTRIP2	384	TLDGELDLLEQDPLVPPPPSQAPLSAERVAFPKGLPWAKPVROKDIEMHLEMRSRKFIGFTLGQDTDTLVGLPRPIHESV
hsSTRIP1	468	KTLKQHKYTSIAEVQAQMEEEYLSPISGGEEEVEQVBAETLYQGLLPSLPQYMIALLKILLAAAPTSKAKTDSINILAD
hsSTRIP2	464	KTLKQHKYTSIAEVQIKNEEELEKCPMSLGEEVVPETBCEILYQGVLYSLPQYMIALLKILLAAAPTSKAKTDSINILAD
hsSTRIP1	548	VLPPEMPITVLIQSMKMLGVDVNRHKEIVVKAISAVALLLLLKHFKLNHVYQFEYMAOHLVFAPICLILKFFNQNINSYITA
hsSTRIP2	544	VLPPEMPITVLIQSMKMLGIDVNRHKEIVVKSISTLLLLLKHFKLNHIVYQFEYVSOHLVFAPICLILKFFNQNINSYITA
hsSTRIP1	628	KNSISVLDYPHQVWHELPETAESLEAGDSNQFCWRNLFSCINLLRILNKLTWKHSRTMMLVVFKSAPILKRALVKQAA
hsSTRIP2	624	KNSISVLDYPCCTIQDPLPELTITESLEAGDNSQFCWRNLFSCINLLRILNKLTWKHSRTMMLVVFKSAPILKRALVKQAA
hsSTRIP1	708	MQLYVLKLLKQTKYLGRQWRKSNMKTMSAIYQKVRHRLNDDWAYGNEDARPWDFQAEETLRANIERFNSRRYDRAH
hsSTRIP2	704	MQLYVLKLLKQTKYLGRQWRKSNMKTMSAIYQKVRHRMNDWAYGNEDARPWDFQAEETLRANIEAFNSRRYDRPQ
hsSTRIP1	788	SNPDFLPVDNCNLQSVLGQRVDLPEDEQMNYDLWLEREVFSKPISSWEELLQ--
hsSTRIP2	784	DS-EFSFVVDNCNLQSVLGQRVDLPEDEHYSYELWLEREVFSQPICWEELLQNH

B

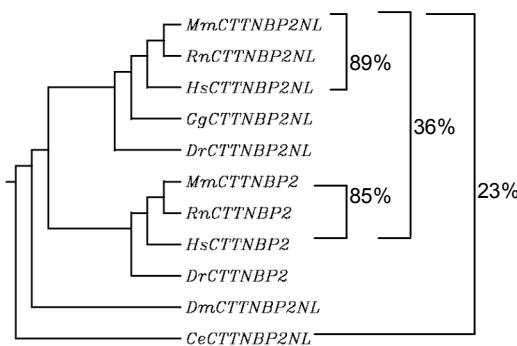
A) Sequence alignment between human STRIP1 (FAM40A) and STRIP2 (FAM40B). Alignment performed with BLOSUM62 (ClustalW¹). Identical residues are highlighted in BLACK; conservative substitutions in GREY. Phosphorylation sites (in either the mouse or human protein; Phosphosite²) are in orange. **B) Phylogenetic tree of the STRIP (FAM40A/FAM40B) orthology groups.** Percentage identity between selected pairs of sequences is indicated on the right. Accession numbers used are hsFAM40A, NP_149079.2; mmFam40a, NP_705791.1; rnFam40A, XP_342312.3; drFam40a, NP_998686.1; dmFam40, NP_647806.2; hsFAM40B, NP_065755.1; mmFam40b, NP_796178.2; drFam40b, XP_684274.2; ceFam40, NP_495467.1; scFar11, NP_014272.1; ncHAM-2, XP_961503.2. Species names are Hs, *Homo sapiens*; Mm, *Mus musculus*; Rn, *Rattus norvegicus*; Dr, *Danio rerio*; Dm, *Drosophila melanogaster*; Ce, *Caenorhabditis elegans*; Nc, *Neurospora crassa*; Sc, *Saccharomyces cerevisiae*.

SUPPLEMENTAL FIGURE S2

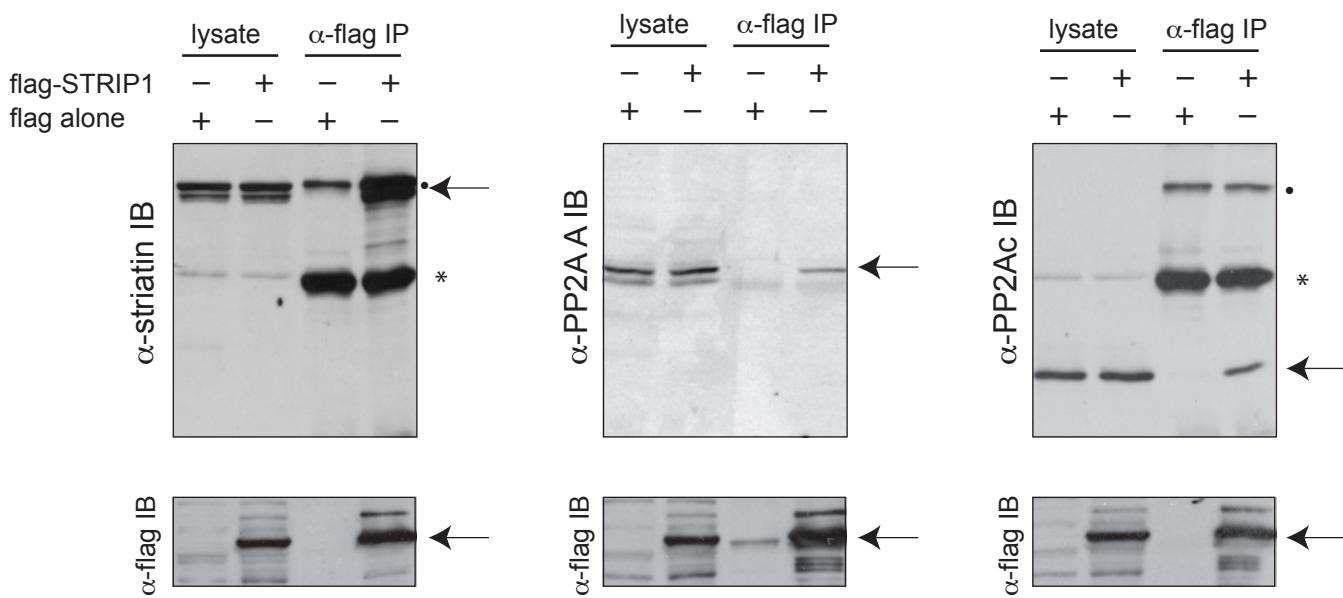
A

HsCTTNBP2	1	MATDGASCEPDLSRAPEDAAGAAAEEAKKEFDVDTLSKSELRLMLLSVMEGELEARDLVIEALFARRKEVFIQERYGRFLNL
RnCBP90	1	MATDSASCEPDLSRAPGDAEGATAEAAKKEFDVDTLSKSELRLMLLSVMEGELEARDLVIEALFARRKEVFIQERYGRFLNL
HsCTTNBP2NL	1	-----MNLEKLSKPELLTFSIIEGELEARDLVIEALKAQHRDTFIEERYGKYNI
 HsCTTNBP2	81	NDPFLALQRDYEAG--AGDKEKEPVCTNPLSILEAVMAHKMQRMSAQOLAAAESRQ-
RnCBP90	81	NDPFLALQRDYEAG--AGDKEKEPVCTNPLSILEAVMAHKMQRMSAQOLAAAESRQ-
HsCTTNBP2NL	51	SDPLMALQRDYEETLKEKNDGEKOPVCTNPLSILKVMMQCKNMQRMLSQOLAAAESRHRKVIDLLEERQRHAQDTAEGD
 HsCTTNBP2	137	-----KKLEMEEKIQALEQEHBKKIAARLEEEERGKNOVILMLVKECKQLEGKVIIEERQKLEDYMAKLEE
RnCBP90	136	-----KKLEMEEKIQALEQEHBKKIAAHLEEKGKKNHVILMLVKECKQLSGRVVEEAQKLEEVMVKLEE
HsCTTNBP2NL	131	DVTYMLEKERERLTOOLEFEKSQVKKFKEKEOKKLSSQLEEERSRHKQNSSMVILCEKKATAGNAEEEQKAGELSIKLEKE
 HsCTTNBP2	203	KKKTNELEQDLSAEKRRSTEMEAEQMKQLESEFDTEREQLRAKLNREEAHTTDLKEEIDKMKRMHEQIKRGSDSKPSISLP
RnCBP90	202	KKKTSELEQDLSAEKQRSGAMEAQLEKQLESEFDTEREQLRAKLTREEAHTTDLKEEIDQMKRMHEQIKRGSDSKPSISLP
HsCTTNBP2NL	211	KSRVSKLEELAAERKRGQLTEAQVEKQLESEFDTEREQLRAKLNREENETKTLKEEMESLAKFVKDLEASHQHS---SPN
 HsCTTNBP2	283	RKTKDERRLVSISVGTEGTVTRSVACQTD-LVTENADHMKKLPLTMPVKESTGSPLVSANAKSVCTSATMARPGIDRQAS
RnCBP90	282	RKTKDERRLVSISVATEGPVTRSVACQTD-VVTESTDPVKKLPLSVPIKESTGSPLVSTNTKGNGVGPSSALIRPGIDRQAS
HsCTTNBP2NL	288	EQLKKPKVTISKGTATEPLMLMSVFCQTESFPABRTHGSNIAKMTNTGIEPGPATPAYSYAKTNGHCDPEIQTTRTTAGNN
 HsCTTNBP2	362	YGDLIGASVPAFPSSANKIEENG-----PSTGSTHDPTSSTPPLPSNAAPPTAQTPGIAPQ-NSQAPPMHSLHSPCA
RnCBP90	361	HSDLG-PSPPTALPSSASRIEENG-----PSAGNAFDLSNSTPSTPSGTPAAATLGAAQPQNHQSAPPVHSLHSPCA
HsCTTNBP2NL	368	VENQVPPREKSVALAQEKPVENQGCPVGIELTPVPMPSPLSSSGSSLSPSSTASSSLTSSPCSSPVLTKRLLGSSASSPGY
 HsCTTNBP2	434	NTSLHPGLNPRIQAARFRFQGNANDPDQNGNTTQSPPSRDVSPTSRDNLVAKQLARNTVTOALSRTFTSPQAGAPS RPG--
RnCBP90	433	NT--HPGLNPRIQAARFRFQGNANDPDQNGNTTQSPPSRDVSPTSRDNLVAKQLARNTVTOALSRTFTSPQAGASSRLG--
HsCTTNBP2NL	448	QSSYQVGINORFHAAHRHKFOSQADQ-DQQASGLQSPPSRDLSPPTLIDNSAAKQLARNTVTOALSRTFTSPQGPIKPVSPNS
 HsCTTNBP2	512	-----VPPTGDVGTHEPVGRS-----LKTHGVARVDRGNPPPIPPKKPGLSQTPSPPHQLVIIIDS
RnCBP90	509	-----ASPGGDAGTCFPVGRG-----LKTPGAARVDRGNPPPIPPKKPGLSQTPSPPHQLFASN--
HsCTTNBP2NL	527	SFGTDDYRNLANTANPRGDTSHSPTPGKVVSPLSPLSPGIKSPTIPRAERGNPPPIPPKKPGLTPSPSATTPLTKTHS
 HsCTTNBP2	570	SRASNTGAKVDNKTVASTPSSLEQCNRVINEENLPKSSPQLPPKPSIDLTVAPAGCAMSATSVQGWPAATPGLNQPS
RnCBP90	565	-----AGAKVDNKIVASPPSTLFOGTKVVNNEENVPKSSSPPQLPPKPSIDLTVASAGCPVSAATSVQAGHPP--
HsCTTNBP2NL	605	-----QASLTTAEDLAQSSCS-----SNTVANGKDWEILLPTISS
 HsCTTNBP2	650	ACSDSSLVIPTTIAFCSSINPVSASSCRPGASDSLTLTASGWPSPLTPLLMGGPAPLAGRPTLLQAAAQGNVTLLSML
HsCTTNBP2	730	LNEEGLDINYSCEDGHSAALYSAAKNGHTDCVRLLSAAEQVNAADKNGFTPLCAAAQGHFECVELLISYDANINHAADG
HsCTTNBP2	810	GQTPLYLACKNGNKEC1KLLLEAGTNRNSVKTGWTWVHAADVTDGNVDSLKLMLYHRIPAHGSNFNEESESSVFLDGG
HsCTTNBP2	890	EESPEGISKPVVPADLHNREGWTAHIAASKGFKNCLEILCRHGLEPERRDKCNRTVHDVA TDDCKHLLENLNALK
HsCTTNBP2	970	IPLRISVGIEPNYGSDDLECENTICALNIRKQTWSDDFSKAVSQALNTHFQIASSDGGWSLEDVTCTNNTDSNIGLSA
HsCTTNBP2	1050	RSIRSITLGNPVWSVGQSFQAQSPWDFMRKNAEHITVLLSLGPQEGCLSSVITYASMIPLQMMQNYLRLVEQYHNVIFHGP
HsCTTNBP2	1130	GSLQDYIVHQLALCLKHRQMAAGFSCIEVRAEVDAFGSKEQLLDFISSLAPIVKQSPSKKKIIILENLEKSSLSELL
HsCTTNBP2	1210	RDFLAPLENRSTESPCTFQKGNGLSECYYFHENCFLMGTIAKACLQGS DLLVQQHFRWVQLRWDGEPMQGLLQRFRLRRKV
HsCTTNBP2	1290	VNKFKGQAPSPCDPVCKIVDWALSVRQLNSCLARLGTPEALLGPKYFLSCPVPGHQAVTVKWMMSKLWNGVIAPRVQEAI
HsCTTNBP2	1370	IILSRASVKRQPGFGQTTAKRHPSSQGQAVVKAALSLILNNAVLHGCPLPRAELDQHTADFKGGSFPLSIVSSYNTCNKKK
HsCTTNBP2	1450	GESGAWRKVNTPSPRRKSGRFSLPTWNKPDLSTEGCMKNTISQLCNRNARSLSKQSLENDLSTLNLQDQLSLSDEAD
HsCTTNBP2	1530	LVKELQSMCSKXSESDISKIADSRDLMFDDSGNNPVLSATINNLRPMVSPQEVSPLOSSHHQTTECSNSKSKELGVR
HsCTTNBP2	1610	KSFPLPVRSKVTQCSONTKRSSSSSNTRQIEINNNSKEVNWNLHKNFHLKPKN

B



A) Sequence alignment between human CTTNBP2, rat CBP90 and human CTTNBP2NL. The published CBP90 rat protein (AF053768) is orthologous to human CTTNBP2, but represents a shorter variant³. Underlining indicates a CDD (Conserved domain database)⁴-predicted chromosome segregation ATPase region (1e-08 on CTTNBP2, 3e-07 on CTTNBP2NL); the region in blue corresponds to predicted ankyrin repeats (CDD 3e-31). Red on CBP90 indicates a proline-rich region, postulated to be required for binding to the cortactin SH3 domain. The residues in green are predicted to form coiled-coils (paircoil2, 0.03 p-score cut-off⁵). Orange indicates phosphorylation sites detected in mouse or human species (Phosphosite²). **B) Phylogeny of the CTTNBP2NL and CTTNBP2 families.** Percentage identity between the aligned regions of selected pairs is indicated on the right (Matrix BLOSUM62). hsCTTNBP2NL, NP_061174.1; mmCtnbp2nl, NP_084525.1; rnCtnbp2nl, XP_227556.2; drCtnbp2nl, NP_001070839.1; dmCtnbp2nl (CG10915), NP_611299.2; ceCtnbp2nl (C49H3.6a), NP_501315.1; hsCTTNBP2, NP_219499.1; mmCtnbp2, NP_525024.1; rnCtnbp2, XP_347231.3; drCtnbp2, XP_683573.2.



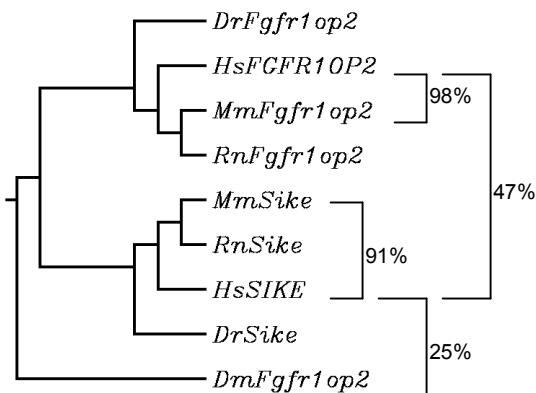
Confirmation of the interaction between stably-expressed flag-STRIP1 and endogenous PP2A components. Immunoprecipitation (IP) on α -flag M2 agarose beads was conducted on lysate from HEK293 cells stably expressing flag-STRIP1 or flag alone. Immune complexes were resolved by SDS-PAGE, followed by transfer to nitrocellulose. Co-precipitation of endogenous striatin (top left), PP2AA (top middle) and PP2Ac (top right) was monitored using antibodies to the endogenous proteins. Arrows indicate the position of each protein. A contaminating band is visible in the flag alone lane on the α -striatin IB and α -PP2Ac blots (indicated by a dot); this band comigrates with the striatin protein. Note that a doublet corresponding to endogenous striatin is present in much higher amounts in the flag-STRIP1 sample. Asterisks denote the antibody heavy chain. The bottom panels show the reprobing of each membrane with α -flag antibodies for detection of flag-STRIP1 protein.

SUPPLEMENTAL FIGURE S4

A

HsSIKE	1	MSCTIEK I TD A KTLLERL R HD A AE S LV D OS A L H RVAAM P EAGT A LPD Q VR Q RY Q E D AS D M K D M S K Y KPH T L S Q E
HsFGFR1OP2	1	MSCTIE K A L A D A K A L V E R L R H D A E S L I E Q T A N R V E A M K Q Y ----- Q E E I Q B I N E V A R H R P R S T L V N G H Q Q E
HsSIKE	81	NT Q I R D L Q Q E N E I L W I S L E E H Q D A L E L I M S K Y R Q M Q L M V A K K A V D A E P V L K A H Q S H S -----
HsFGFR1OP2	73	NR Q I R D L Q Q E N E I L W I S L E E H Q S A L E L I M S K Y R Q M Q L M A S K K D D P G I I M K L K E O H S K I D M V H R N K S E G F F L D A R H I
HsSIKE	140	----- A E I E S Q I D R I C E M G E V M R K A V Q V D D Q F C T I Q E R I A Q L E E N K E L R E I L L S I S E S L Q A R E N S
HsFGFR1OP2	153	LEAP Q H G L E R R H L E A N Q N E L Q A H V D Q I T E M R A V M R K A D E I D E Q G C K E Q E R I F Q L E E N K G L R E I L Q I R E S F L N L N K D D
HsSIKE	203	MDTA S Q A I K -----
HsFGFR1OP2	233	ASEST T S L A V T N S D L S R K S

B

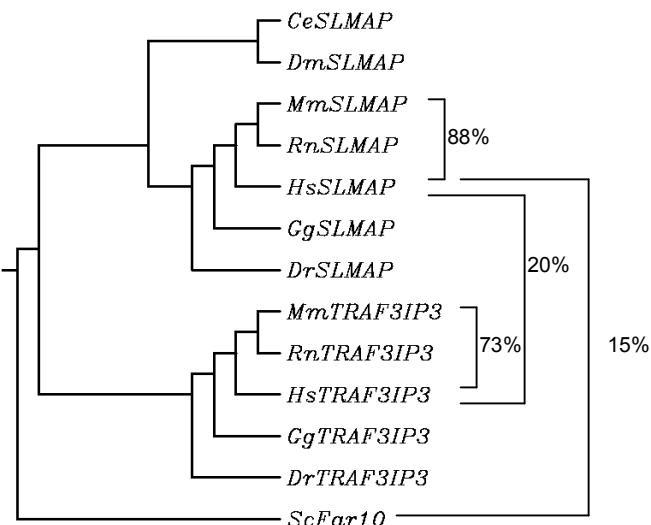


A) Sequence alignment between human SIKE and human FGFR1OP2. Alignment performed with BLOSUM62 (ClustalW¹). Identical residues are highlighted in **BLACK**; conservative substitutions in **GREY**. Phosphorylation sites (detected in either the mouse or human protein; Phosphosite²) are in **orange**. The residues in **green** are predicted to form coiled-coils (paicoil2⁵, 0.3 p-score cut-off). **B) Phylogenetic tree of the SIKE/FGFR1OP2 orthology groups.** Percentage identity between selected pairs of sequences is indicated on the right. Accession numbers used are HsSIKE, NP_001095866.1; MmSike, NP_079955.1; RnSike, NP_001012182.1; DrSike, XP_696578.2; HsFgfr1op2, NP_056448.1; MmFgfr1op2, NP_080494.1; RnFgfr1op2, NP_958824.1; DrFgfr1op2, NP_956249.1; DmFgfr1op2, NP_609084.1.

SUPPLEMENTAL FIGURE S5

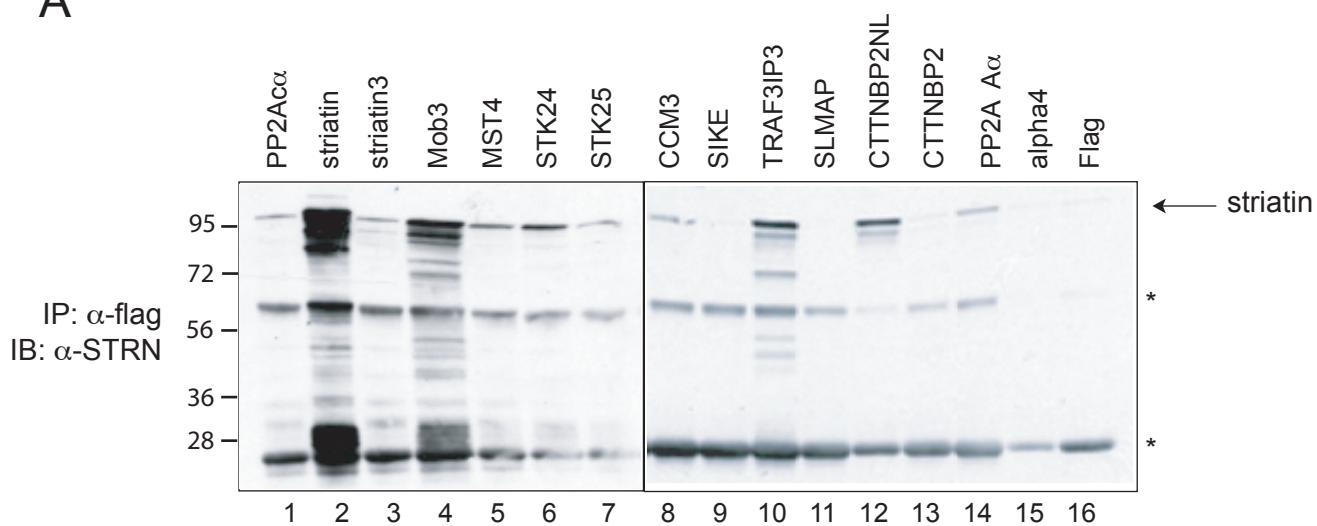
A

HsSLMAP	1	-----MPSALAI FTC RPN SHPFQERIVYLDPEPIKIGRSVARCRPAQNNATFDCKVLSRNHA DVWF <small>DHRTGKFYI</small> QDTKSS
HsTRAF3IP3	1	MISPDPRPSPG IAR WAESYEAKCER QE IRESRRCRPNVTCRQVGKTLRIQ RE QLQRARLQQFFRRR-NLELE E KGKA
HsSLMAP	76	NGTFINS DRISR -GSEESP <small>P</small> CETLS <u>CDIIQFG</u> -- V DVTENTRKVTHG <small>CIVSTIK</small> FLEDGMEARLRSDVIAHAP <small>PSPV</small>
HsTRAF3IP3	80	QHPQAREQGP <small>SRRP</small> GQVTGTSSE <u>M</u> FPAQHPPPSGICRD <u>LSDH</u> LSSQAGGLPPQDTP <u>I</u> KKPPKHHRGTO <u>T</u> KAEGPT <u>I</u> KNDA
HsSLMAP	151	DKVAANTPS <u>MSQELFQLSOYI</u> CEA HLHRE QMLEOK <u>ATL</u> QRLLIAIT <u>QD</u> ASD <u>T</u> SW <u>QAL</u> IDE <u>DR</u> LLSR <u>LEV</u> MGN <u>QI</u> QACSKN
HsTRAF3IP3	160	SQQTNYGVAVLDKE <u>I</u> IQ <u>LS</u> DP <u>I</u> Y <u>KE</u> ALQ <u>REL</u> VLKQKM <u>VI</u> LQ <u>DL</u> LLST <u>LI</u> Q <u>ASD</u> S <u>SW</u> K <u>Q</u> NED <u>KL</u> K <u>GL</u> RS <u>I</u> EN <u>QI</u> YT <u>CT</u> QK
HsSLMAP	231	<u>Q</u> TED <u>SL</u> R <u>KEL</u> IA <u>I</u> Q <u>ED</u> KHNY <u>ET</u> TA <u>KE</u> SL <u>RR</u> V <u>LO</u> E <u>K</u> EVVR <u>K</u> LS <u>E</u> VER <u>S</u> IS <u>N</u> T <u>E</u> DE <u>C</u> TH <u>I</u> U <u>E</u> M <u>N</u> ERT <u>Q</u> E <u>E</u> U <u>R</u> E <u>L</u> ANKYNGA
HsTRAF3IP3	240	YSPWG <u>M</u> KKV <u>L</u> LE <u>M</u> ED <u>Q</u> KNS <u>Y</u> EQ <u>KA</u> ES <u>Q</u> OKV <u>LE</u> E <u>K</u> NAE <u>Q</u> Q <u>L</u> Q <u>ST</u> OS <u>R</u> SL <u>A</u> LA <u>E</u> Q <u>K</u> CE <u>W</u> E <u>S</u> Q <u>Y</u> EA <u>K</u> ED <u>W</u> R <u>T</u> L <u>G</u> T <u>Q</u> H <u>RE</u> L
HsSLMAP	311	VNE <u>I</u> K <u>D</u> LS <u>D</u> K <u>Z</u> KV <u>A</u> E <u>G</u> K <u>Q</u> E <u>E</u> I <u>Q</u> Q <u>K</u> G <u>Q</u> A <u>E</u> K <u>K</u> E <u>L</u> CH <u>K</u> DE <u>M</u> E <u>E</u> K <u>E</u> C <u>E</u> L <u>Q</u> A <u>K</u> I <u>E</u> A <u>L</u> Q <u>A</u> D <u>N</u> D <u>F</u> T <u>N</u> E <u>R</u> L <u>T</u> A <u>L</u> Q <u>E</u> H <u>L</u> LS <u>K</u> S <u>G</u> D <u>O</u>
HsTRAF3IP3	320	ESQLH <u>V</u> L <u>Q</u> SK <u>I</u> Q <u>G</u> A <u>D</u> S <u>R</u> D <u>-----</u> L <u>Q</u> M <u>N</u> Q <u>A</u> IR <u>F</u> L <u>E</u> N <u>H</u> Q <u>Q</u> L <u>Q</u> A <u>K</u> I <u>E</u> C <u>L</u> Q <u>G</u> D <u>R</u> D <u>L</u> C <u>S</u> L <u>D</u> T <u>Q</u> D <u>L</u> Q <u>D</u> Q <u>L</u> K <u>R</u> SE <u>A</u> E <u>K</u> L <u>T</u>
HsSLMAP	391	<u>F</u> TH <u>Q</u> F <u>I</u> E <u>C</u> KK <u>L</u> I <u>V</u> E <u>G</u> H <u>I</u> TK <u>A</u> VE <u>E</u> T <u>K</u> L <u>S</u> KEN <u>Q</u> TRAK <u>E</u> S <u>D</u> F <u>S</u> D <u>T</u> L <u>S</u> P <u>S</u> K <u>E</u> K <u>S</u> S <u>D</u> D <u>T</u> T <u>D</u> A <u>Q</u> M <u>D</u> E <u>Q</u> D <u>L</u> N <u>E</u> PLAK <u>V</u> S <u>L</u> K <u>D</u> D <u>Q</u>
HsTRAF3IP3	389	LVTRV <u>Q</u> Q <u>L</u> Q <u>U</u> LL <u>Q</u> N <u>Q</u> SL <u>Q</u> Q <u>E</u> Q <u>K</u> L <u>T</u> K <u>D</u> <u>-----</u>
HsSLMAP	471	GA <u>Q</u> SE <u>I</u> E <u>A</u> K <u>Q</u> E <u>I</u> Q <u>H</u> L <u>R</u> K <u>E</u> L <u>I</u> E <u>A</u> Q <u>E</u> L <u>A</u> R <u>T</u> S <u>K</u> Q <u>K</u> C <u>F</u> E <u>I</u> Q <u>A</u> L <u>E</u> E <u>R</u> K <u>A</u> <u>I</u> R <u>N</u> Q <u>V</u> E <u>E</u> ST <u>K</u> Q <u>I</u> Q <u>V</u> L <u>Q</u> A <u>Q</u> L <u>Q</u> R <u>L</u> H <u>I</u> D <u>T</u> E <u>N</u> L <u>R</u> E <u>E</u> K <u>D</u>
HsTRAF3IP3	419	-----Q <u>A</u> L <u>P</u> V <u>W</u> S <u>P</u> K <u>S</u> E <u>P</u> N <u>E</u> V <u>E</u> P <u>-----</u>
HsSLMAP	551	SEITSTRDELLSARDE <u>I</u> LLLHQAAAKV <u>A</u> SER <u>D</u> T <u>D</u> I <u>A</u> S <u>L</u> Q <u>E</u> E <u>L</u> K <u>V</u> R <u>A</u> E <u>L</u> E <u>R</u> W <u>R</u> K <u>A</u> A <u>S</u> E <u>Y</u> E <u>K</u> I <u>T</u> S <u>L</u> Q <u>N</u> S <u>F</u> QL <u>R</u> C <u>Q</u> OC <u>E</u> D <u>Q</u>
HsTRAF3IP3	436	-----E <u>G</u> T <u>-----</u>
HsSLMAP	631	Q <u>R</u> E <u>E</u> A <u>T</u> R <u>I</u> Q <u>G</u> B <u>E</u> I <u>R</u> L <u>R</u> K <u>E</u> W <u>N</u> A <u>L</u> E <u>T</u> E <u>C</u> H <u>S</u> I <u>L</u> K <u>R</u> E <u>N</u> V <u>I</u> L <u>S</u> E <u>L</u> Q <u>R</u> E <u>K</u> E <u>H</u> N <u>S</u> Q <u>K</u> Q <u>S</u> L <u>E</u> L <u>T</u> S <u>D</u> L <u>SI<u>L</u>Q<u>M</u>S<u>R</u>K<u>E</u>LEN<u>Q</u>V<u>G</u>S<u>I</u>E</u>
HsTRAF3IP3	439	G <u>K</u> E <u>K</u> D <u>W</u> D <u>L</u> R <u>D</u> Q <u>L</u> Q <u>K</u> K <u>T</u> Q <u>L</u> Q <u>A</u> E <u>K</u> E <u>C</u> R <u>E</u> L <u>H</u> <u>S</u> E <u>L</u> D <u>N</u> L <u>S</u> D <u>E</u> Y <u>L</u> S <u>C</u> L <u>R</u> <u>K</u> <u>I</u> Q <u>H</u> C <u>R</u> <u>-----</u>
HsSLMAP	711	Q <u>H</u> L <u>R</u> D <u>S</u> A <u>D</u> L <u>K</u> T <u>L</u> L <u>S</u> K <u>A</u> E <u>N</u> Q <u>A</u> K <u>D</u> V <u>Q</u> KEY <u>E</u> K <u>T</u> Q <u>T</u> V <u>L</u> S <u>E</u> L <u>K</u> L <u>F</u> E <u>M</u> T <u>E</u> Q <u>E</u> K <u>Q</u> S <u>I</u> T <u>D</u> E <u>L</u> K <u>O</u> C <u>K</u> <u>N</u> <u>N</u> <u>I</u> <u>K</u> <u>L</u> <u>L</u> <u>R</u> E <u>K</u> G <u>NN</u> K <u>P</u> W <u>E</u> W <u>M</u> P <u>M</u> <u>L</u>
HsTRAF3IP3	490	-----E <u>E</u> L <u>N</u> Q <u>S</u> Q <u>U</u> -L <u>P</u> P <u>R</u> R <u>Q</u> C <u>G</u> <u>-----</u> R <u>W</u> L <u>P</u> V <u>L</u>
HsSLMAP	791	A <u>A</u> <u>I</u> <u>V</u> A <u>T</u> A <u>T</u> I <u>V</u> <u>L</u> <u>V</u> P <u>G</u> L <u>A</u> R <u>A</u> S <u>P</u>
HsTRAF3IP3	512	MV <u>V</u> I <u>A</u> A <u>A</u> L <u>A</u> A <u>FL</u> AK <u>D</u> N <u>L</u> M <u>I</u> -

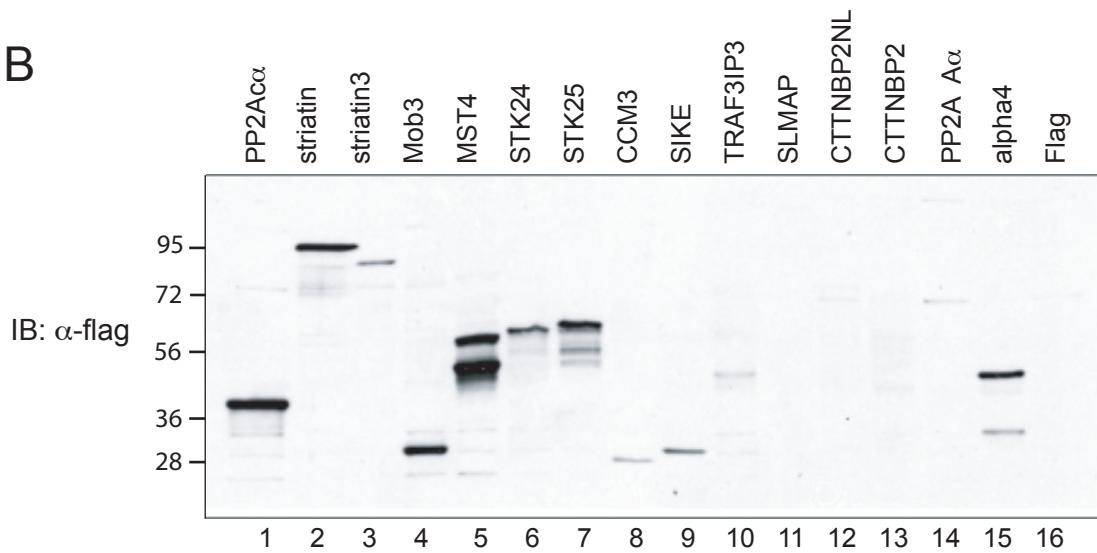
B

A) Sequence alignment between human SLMAP and human TRAF3IP3. Red lettering indicates potential leucine zippers and blue lettering represents potential hydrophobic membrane anchor (Wiggle 1997), in pink is an FHA domain (Conserved domain database, CDD; 4e-12); italicics indicates a chromosome segregation ATPase region (5e-13). On TRAF3IP3, the underlined region corresponds to the CDD COG4372, myosin-like (5e-06). **B) Phylogenetic tree of the SLMAP and TRAF3IP3 families.** Percentage identity between the aligned regions of selected pairs is indicated on the right (Matrix BLOSUM62).

A



B



Confirmation of the association between flag-tagged proteins and endogenous striatin.

(A) Immunoprecipitation (IP) on α -flag M2 agarose beads was performed on lysate from HEK293 cells stably expressing the indicated flag-tagged constructs. To ensure specificity of the interactions, IPs were also performed from lysate of flag alone and flag-alpha4 stable cell lines. The immune complexes were resolved by SDS-PAGE, followed by transfer onto nitrocellulose. Co-precipitation of endogenous striatin was detected by immunoblotting (α -STRN; position indicated by arrow). Upon prolonged exposure, striatin was also detected in the CTTNBP2 sample. (B) Recombinant protein expression detected in whole cell lysate from HEK293 cells stably expressing the indicated flag-tagged proteins. Upon prolonged exposure, TRAF3IP3, CTTNBP2NL, CTTNBP2, PP2AA α are visible. The antibody heavy and light chains are identified by asterisks (*).

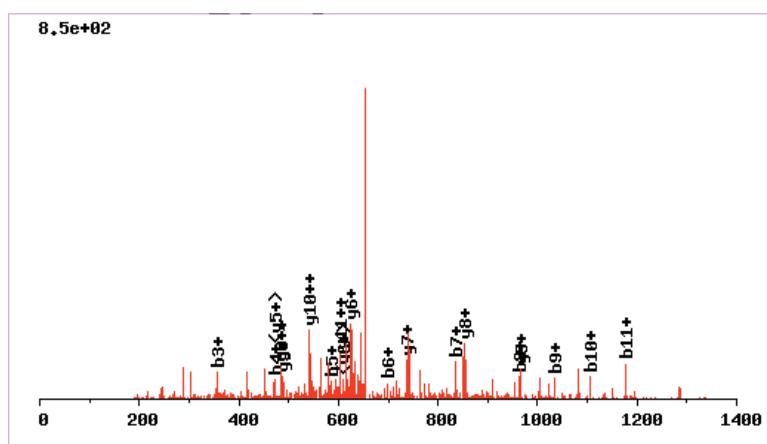
SUPPLEMENTAL FIGURE S7. page1

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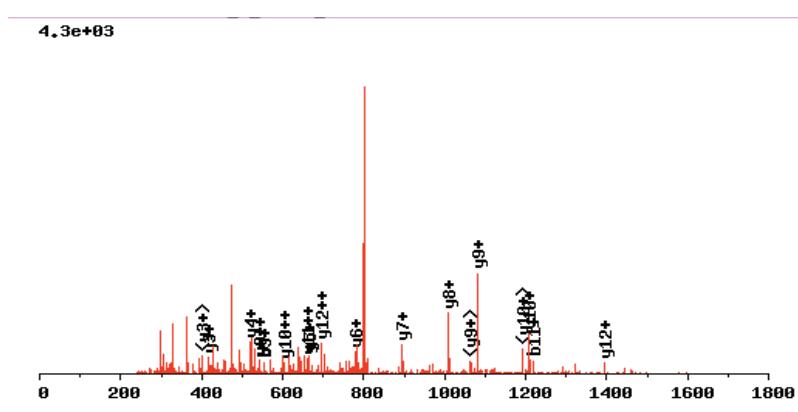
Annotated spectra for proteins identified on the basis of a single peptide.

bait	hit	npeps	nspecs	peptide
F-PP2AA α	SLMAP	1	2	DEILLLHQAAAK



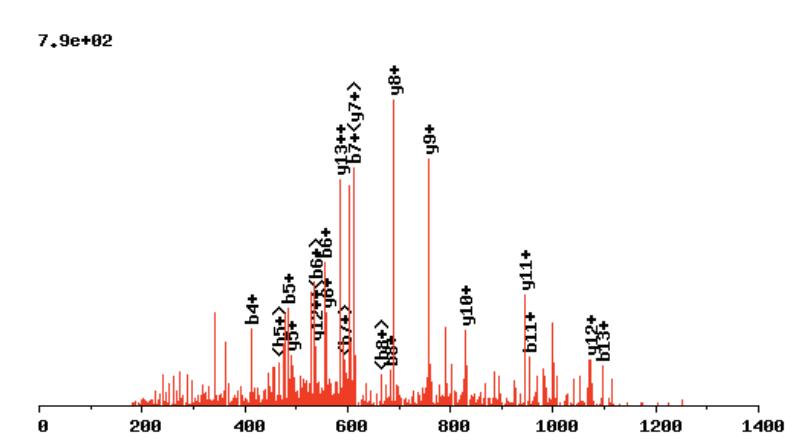
b ⁺	#	AA	#	y ⁺	y ²⁺
116.0348	1	D	12		
245.0774	2	E	11	1206.7210	603.8644
358.1614	3	I	10	1077.6784	539.3431
471.2455	4	L	9	964.5944	482.8011
584.3296	5	L	8	851.5103	426.2591
697.4136	6	L	7	738.4262	369.7170
834.4725	7	H	6	625.3422	313.1750
962.5311	8	Q	5	488.2833	244.6455
1033.5682	9	A	4	360.2247	180.6163
1104.6053	10	A	3	289.1876	145.0977
1175.6424	11	A	2	218.1505	109.5791
	12	K	1	147.1134	74.0606

F-PP2Ac α SLMAP 1 1IEALQADNDFTNER



b ⁺	#	AA	#	y ⁺	y ²⁺
114.0919	1	I	14		
243.1345	2	E	13	1522.6774	761.8426
314.1716	3	A	12	1393.6348	697.3213
427.2557	4	L	11	1322.5977	661.8028
555.3142	5	Q	10	1209.5136	605.2607
626.3513	6	A	9	1081.4550	541.2314
741.3783	7	D	8	1010.4179	505.7129
855.4212	8	N	7	895.3910	448.1994
970.4482	9	D	6	781.3481	391.1779
1117.5166	10	F	5	666.3211	333.6645
1218.5643	11	T	4	519.2527	260.1303
1332.6072	12	N	3	418.2050	209.6064
1461.6498	13	E	2	304.1621	152.5850
	14	R	1	175.1195	88.0637

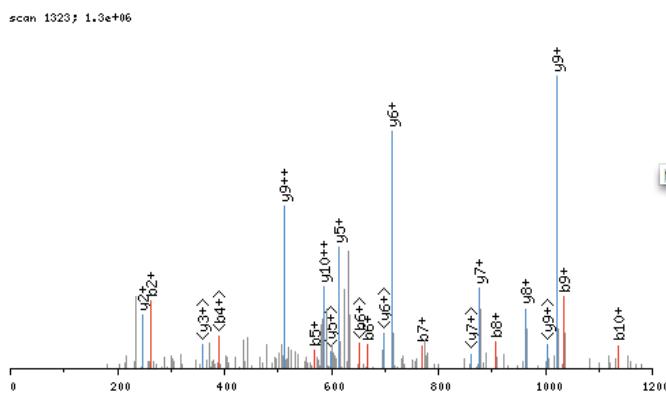
F-PP2Aca CTTNBP2 1 1 APFDAAGAAAFAAK



b ⁺	#	AA	#	y ⁺	y ²⁺
72.0449	1	A	14		
169.0977	2	P	13	1171.5595	586.2837
298.1403	3	E	12	1074.5067	537.7573
413.1672	4	D	11	945.4641	473.2360
484.2044	5	A	10	830.4372	415.7225
555.2415	6	A	9	759.4001	380.2040
612.2629	7	G	8	688.3630	344.6854
683.3000	8	A	7	631.3415	316.1747
754.3372	9	A	6	560.3044	280.6561
825.3743	10	A	5	489.2673	245.1376
954.4169	11	E	4	418.2302	209.6190
1025.4540	12	A	3	289.1876	145.0977
1096.4911	13	A	2	218.1505	109.5791
	14	K	1	147.1134	74.0606

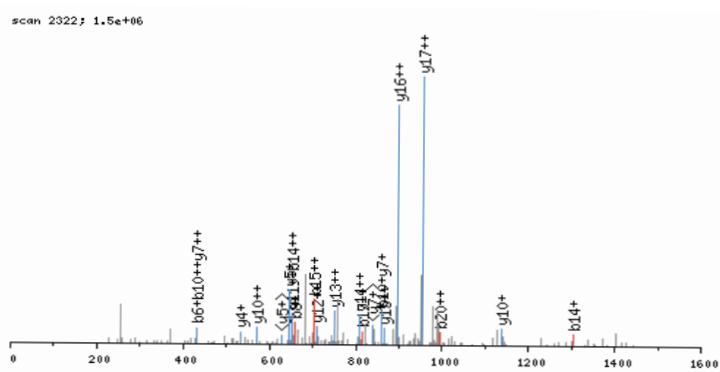
Annotated spectra for proteins identified on the basis of a single peptide.

bait	hit	npeps	nspecs	peptide
T-striatin4	dynein	1	6	NFGSYVTTHETK



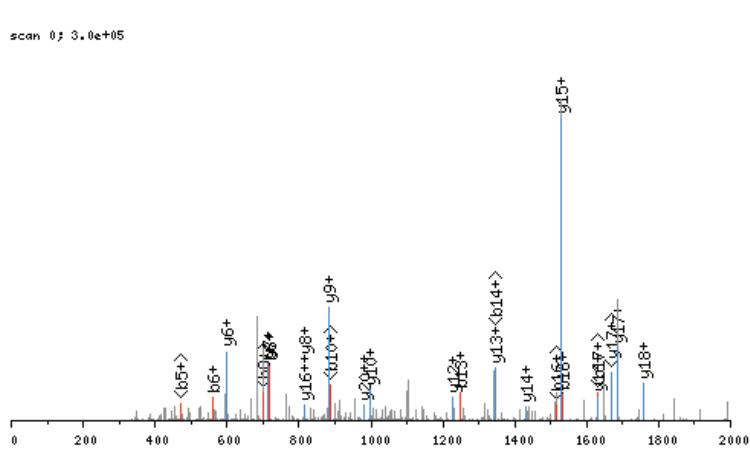
b ⁺	#	AA	#	y ⁺	y ²⁺
115.1118	1	N	11		
262.2883	2	F	10	1169.2792	585.1436
319.3403	3	G	9	1022.1027	511.5553
406.4185	4	S	8	965.0507	483.0293
569.5944	5	Y	7	877.9725	439.4902
668.7270	6	V	6	714.7966	357.9023
769.8321	7	T	5	615.6640	308.3360
906.9731	8	H	4	514.5589	257.7834
1036.0886	9	E	3	377.4179	189.2129
1137.1937	10	T	2	248.3024	124.6552
	11	K	1	147.1973	74.1026

bait	hit	npeps	nspecs	peptide	scans
T-striatin4	PP2A A β	1	2	AAGGDGDDSLYPIAVLIDELR	2



b ⁺	b ²⁺	#	AA	#	y ⁺	y ²⁺	y ³⁺
72.0867	36.5473	1	A	21			
143.1655	72.0867	2	A	20	2090.2945	1045.6512	697.4368
200.2175	100.6127	3	G	19	2019.2157	1010.1118	673.7439
257.2694	129.1387	4	G	18	1962.1638	981.5859	654.7266
372.3580	186.6830	5	D	17	1905.1119	953.0599	635.7093
429.4099	215.2089	6	G	16	1790.0233	895.5156	597.3464
544.4985	272.7532	7	D	15	1732.9714	866.9897	578.3291
659.5871	330.2975	8	D	14	1617.8828	809.4454	539.9662
746.6653	373.8366	9	S	13	1502.7942	751.9011	501.6034
859.8247	430.4163	10	L	12	1415.7160	708.3620	472.5773
1023.0007	512.0043	11	Y	11	1302.5565	651.7822	434.8575
1120.1174	560.5627	12	P	10	1139.3806	570.1943	380.4655
1233.2768	617.1424	13	I	9	1042.2639	521.6359	348.0933
1304.3556	652.6818	14	A	8	929.1045	465.0562	310.3734
1403.4882	702.2481	15	V	7	858.0257	429.5168	286.6805
1516.6476	758.8278	16	L	6	758.8931	379.9505	253.6363
1629.8071	815.4075	17	I	5	645.7337	323.3708	215.9165
1744.8957	872.9518	18	D	4	532.5742	266.7911	178.1967
1874.0111	937.5095	19	E	3	417.4856	209.2468	139.8338
1987.1706	994.0893	20	L	2	288.3701	144.6890	96.7953
		21	R	1	175.2107	88.1093	59.0755

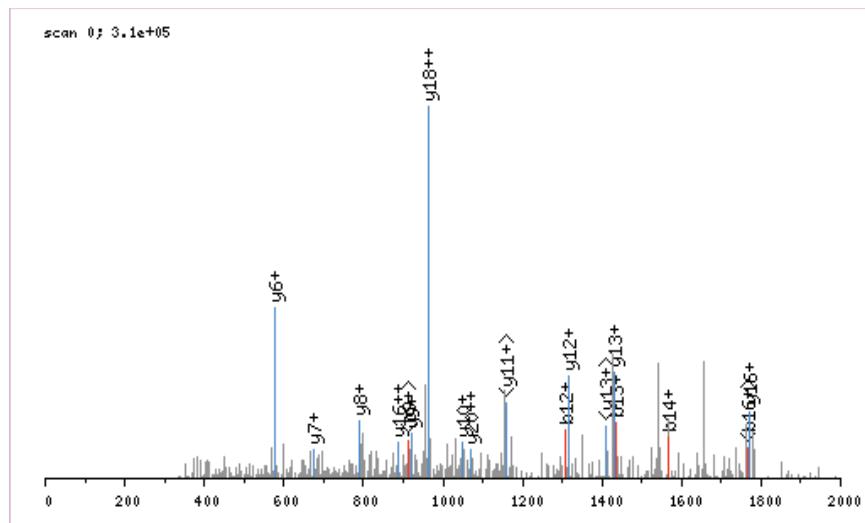
bait	hit	npeps	nspecs	peptide	scans
T-PP2Ac α	liprin A3	1	1	DSSSLAGTPSDETLATDPLGLAK	



b ⁺	#	AA	#	y ⁺	y ²⁺
116.0965	1	D	23		
203.1747	2	S	22	2132.3294	1066.6687
290.2529	3	S	21	2045.2512	1023.1296
377.3311	4	S	20	1958.1730	979.5905
490.4906	5	L	19	1871.0948	936.0514
561.5694	6	A	18	1757.9353	879.4716
618.6213	7	G	17	1686.8565	843.9322
719.7264	8	T	16	1629.8046	815.4063
816.8431	9	P	15	1528.6995	764.8537
903.9213	10	S	14	1431.5829	716.2954
1019.0099	11	D	13	1344.5047	672.7563
1148.1253	12	E	12	1229.4161	615.2120
1249.2304	13	T	11	1100.3006	550.6543
1362.3899	14	L	10	999.1955	500.1017
1433.4687	15	A	9	886.0361	443.5220
1534.5737	16	T	8	814.9573	407.9826
1649.6623	17	D	7	713.8522	357.4301
1746.7790	18	P	6	598.7636	299.8858
1859.9385	19	L	5	501.6469	251.3274
1916.9904	20	G	4	388.4875	194.7477
2030.1498	21	L	3	331.4355	166.2217
2101.2286	22	A	2	218.2761	109.6420
	23	K	1	147.1973	74.1026

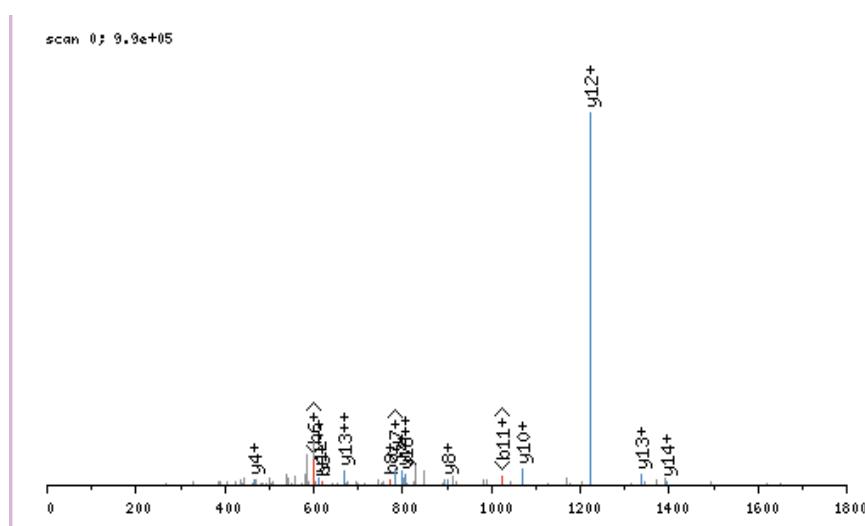
Annotated spectra for proteins identified on the basis of a single peptide.

bait	hit	npeps	nspecs	peptide
T-PP2Ac α	liprin A1	1	1	TLTDGVLDINHEQENTPSTSGK



b ⁺	#	AA	#	y ⁺	y ²⁺
102.1130	1	T	22		
215.2725	2	L	21	2256.3880	1128.6980
316.3775	3	T	20	2143.2285	1072.1182
431.4661	4	D	19	2042.1235	1021.5657
488.5181	5	G	18	1927.0349	964.0214
587.6506	6	V	17	1869.9829	935.4954
700.8101	7	L	16	1770.8504	885.9292
815.8987	8	D	15	1657.6909	829.3494
929.0581	9	I	14	1542.6023	771.8051
1043.1619	10	N	13	1429.4429	715.2254
1180.3030	11	H	12	1315.3391	658.1735
1309.4185	12	E	11	1178.1980	589.6030
1437.5492	13	Q	10	1049.0825	525.0452
1566.6647	14	E	9	920.9518	460.9799
1680.7685	15	N	8	791.8363	396.4221
1781.8736	16	T	7	677.7325	339.3702
1878.9903	17	P	6	576.6274	288.8177
1966.0685	18	S	5	479.5107	240.2593
2067.1736	19	T	4	392.4325	196.7202
2154.2518	20	S	3	291.3274	146.1677
2211.3037	21	G	2	204.2492	102.6286
	22	K	1	147.1973	74.1026

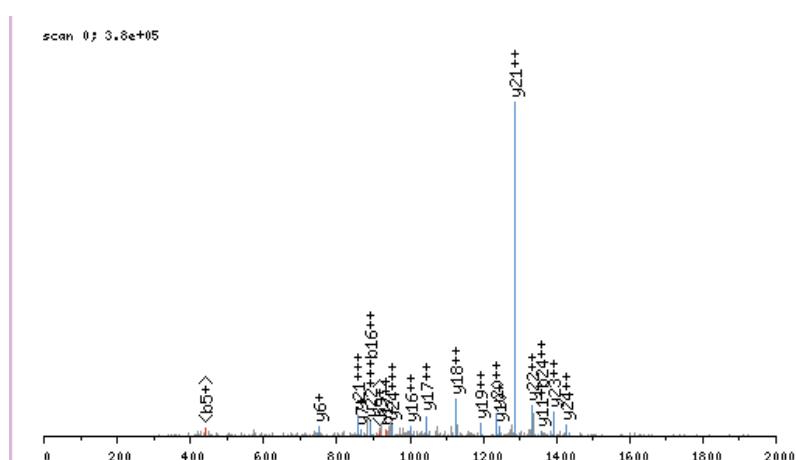
bait	hit	npeps	nspecs	peptide
T-PP2Ac α	CTTNBP2NL	1	1	MTNTGLPGPATPAYSYAK



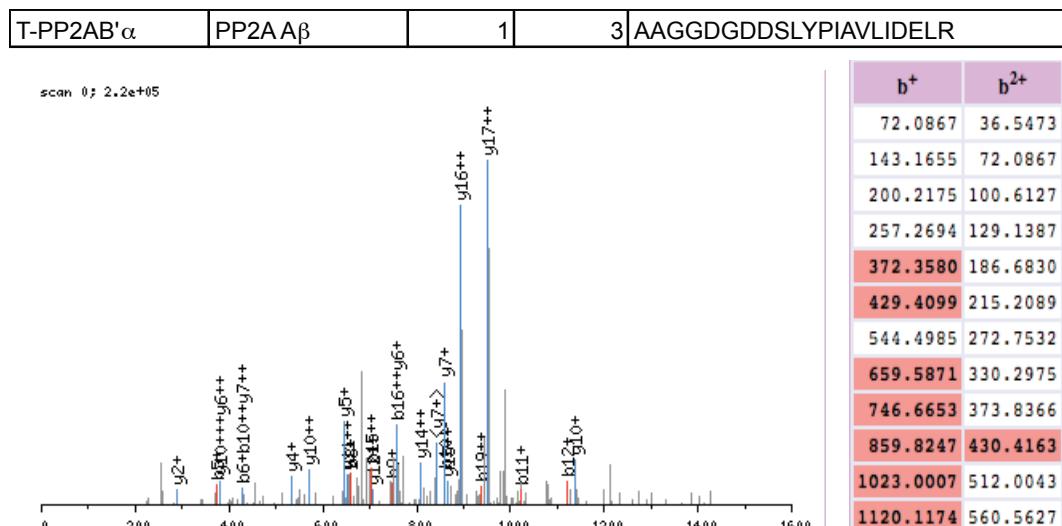
b ⁺	#	AA	#	y ⁺	y ²⁺
132.2005	1	M	18		
233.3056	2	T	17	1709.8962	855.4521
347.4094	3	N	16	1608.7911	804.8995
448.5145	4	T	15	1494.6873	747.8476
505.5664	5	G	14	1393.5822	697.2951
618.7259	6	L	13	1336.5303	668.7691
715.8425	7	P	12	1223.3709	612.1894
772.8945	8	G	11	1126.2542	563.6311
870.0111	9	P	10	1069.2023	535.1051
941.0899	10	A	9	972.0856	486.5468
1042.1950	11	T	8	901.0068	451.0074
1139.3117	12	P	7	799.9017	400.4548
1210.3905	13	A	6	702.7850	351.8965
1373.5665	14	Y	5	631.7062	316.3571
1460.6447	15	S	4	468.5303	234.7691
1623.8206	16	Y	3	381.4521	191.2300
1694.8994	17	A	2	218.2761	109.6420
	18	K	1	147.1973	74.1026

Annotated spectra for proteins identified on the basis of a single peptide.

bait	hit	npeps	nspecs	peptide
T-PP2Ac β	CTTNBP2	1	1	VAANTPSMYSQELFQLSQYLQEALHR



b ⁺	b ²⁺	# AA	#	y ⁺	y ²⁺	y ³⁺
100.1405	50.5742	1	V	26		
171.2193	86.1136	2	A	25	2927.2610	1464.1345
242.2981	121.6530	3	A	24	2856.1822	1428.5951
356.4019	178.7049	4	N	23	2785.1034	1393.0557
457.5070	229.2575	5	T	22	2670.9996	1336.0038
554.6237	277.8158	6	P	21	2569.8945	1285.4512
641.7019	321.3549	7	S	20	2472.7778	1236.8929
772.8945	386.9512	8	M	19	2385.6996	1193.3538
936.0704	468.5392	9	Y	18	2254.5071	1127.7575
1023.1486	512.0783	10	S	17	2091.3311	1046.1695
1151.2793	576.1436	11	Q	16	2004.2529	1002.6304
1280.3948	640.7014	12	E	15	1876.1222	938.5651
1393.5543	697.2811	13	L	14	1747.0067	874.0073
1540.7308	770.8694	14	F	13	1633.8473	817.4276
1668.8615	834.9347	15	Q	12	1486.6707	743.8393
1782.0210	891.5145	16	L	11	1358.5400	679.7740
1869.0992	935.0536	17	S	10	1245.3805	623.1942
1997.2299	999.1189	18	Q	9	1158.3023	579.6551
2160.4059	1080.7069	19	Y	8	1030.1716	515.5898
2273.5653	1137.2866	20	L	7	866.9957	434.0018
2401.6960	1201.3520	21	Q	6	753.8362	377.4221
2530.8115	1265.9097	22	E	5	625.7055	313.3567
2601.8903	1301.4491	23	A	4	496.5900	248.7990
2715.0497	1358.0288	24	L	3	425.5112	213.2596
2852.1908	1426.5994	25	H	2	312.3518	156.6799
		26	R	1	175.2107	88.1093
					59.0755	



b ⁺	b ²⁺	# AA	#	y ⁺	y ²⁺	y ³⁺
72.0867	36.5473	1	A	21		
143.1655	72.0867	2	A	20	2090.2945	1045.6512
200.2175	100.6127	3	G	19	2019.2157	1010.1118
257.2694	129.1387	4	G	18	1962.1638	981.5859
372.3580	186.6830	5	D	17	1905.1119	953.0599
429.4099	215.2089	6	G	16	1790.0233	895.5156
544.4985	272.7532	7	D	15	1732.9714	866.9897
659.5871	330.2975	8	D	14	1617.8828	809.4454
746.6653	373.8366	9	S	13	1502.7942	751.9011
859.8247	430.4163	10	L	12	1415.7160	708.3620
1023.0007	512.0043	11	Y	11	1302.5565	651.7822
1120.1174	560.5627	12	P	10	1139.3806	570.1943
1233.2768	617.1424	13	I	9	1042.2639	521.6359
1304.3556	652.6818	14	A	8	929.1045	465.0562
1403.4882	702.2481	15	V	7	858.0257	429.5168
1516.6476	758.8278	16	L	6	758.8931	379.9505
1629.8071	815.4075	17	I	5	645.7337	323.3708
1744.8957	872.9518	18	D	4	532.5742	266.7911
1874.0111	937.5095	19	E	3	417.4856	209.2468
1987.1706	994.0893	20	L	2	288.3701	144.6890
		21	R	1	175.2107	88.1093
					59.0755	