

Supplementary Table 1a | SH2 domains included on the microarrays.

Domain	Entrez gene symbol	Entrez gene ID
S1	PIK3R1-N	5295
S2	PIK3R1-C	5295
S3	PIK3R1-NC	5295
S4	PIK3R2-N	5296
S5	PIK3R2-C	5296
S6	PIK3R2-NC	5296
S7	PIK3R3-N	8503
S8	PIK3R3-C	8503
S9	PIK3R3-NC	8503
S10	DAPP1	27071
S11	ABL1	25
S12	ABL2	27
S13	FGR	2268
S14	SRC	6714
S15 ‡	SLA	6503
S16	SLA2	84174
S17	ZAP70-N	7535
S18	ZAP70-C	7535
S19	ZAP70-NC	7535
S20	BMX	660
S21	SYK-N	6850
S22	SYK-C	6850
S23	SYK-NC	6850
S24	TEC	7006
S25	LYN	4067
S26 ‡	FRK	2444
S27	BLK	640
S28	ITK	3702
S29	BTK	695
S30	TXK	7294
S31	FER	2241
S32	HCK	3055
S33	PTK6	5753
S34	LCK	3932

Domain	Entrez gene symbol	Entrez gene ID
S35	FES	2242
S36	YES1	7525
S37	MATK	4145
S38	PLCG1-N	5335
S39	PLCG1-C	5335
S40	PLCG1-NC	5335
S41	PLCG2-N	5336
S42	PLCG2-C	5336
S43	PLCG2-NC	5336
S44	GRB2	2885
S45	GRB7	2886
S46	GRB10	2887
S47	GRB14	2888
S48	GRAP2	9402
S49	CRK	1398
S50	CRKL	1399
S51	NCK1	4690
S52	NCK2	8440
S53	APS	10603
S54	SH3BP2	6452
S55	LNK	10019
S56	SH2B	25970
S57	PTPN6-C	5777
S58	PTPN6-N	5777
S59	PTPN6-NC	5777
S60	PTPN11-N	5781
S61	PTPN11-C	5781
S62	PTPN11-NC	5781
S63	E189410 *	
S64 ‡	MIST	116449
S65 ‡	E185634 *	
S66	HSH2D	84941
S67	CTEN	84951
S68	E109111 *	
S69	E138606 *	

Domain	Entrez gene symbol	Entrez gene ID
S70	E169291 *	
S71	E105251 *	
S72	SHB	6461
S73	TNS	7145
S74	TENC1	23371
S75	TENS1	64759
S76	SH2D1A	4068
S77	INPPL1	3636
S78	EAT2	117157
S79	BRDG1	26228
S80	LCP2	3937
S81	BLNK	29760
S82	RIN1	9610
S83 ‡	RIN2	54453
S84 ‡	RIN3	79890
S85	SH2D3A	10045
S86 ‡	CHN1	1123
S87	CHN2	1124
S88	RASA1-N	5921
S89	RASA1-C	5921
S90	RASA1-NC	5921
S91	BCAR3	8412
S92	SH2D2A	9047
S93	SH2D3C	10044
S94	VAV1	7409
S95	VAV2	7410
S96	VAV3	10451
S97	SHC1	6464
S98	SHC3	53358
S99 ‡	JAK1	3716
S100	JAK2	3717
S101	JAK3	3718
S102 #	STAT1	6772
S103 #	STAT2	6773
S104 ‡	STAT3	6774

Domain	Entrez gene symbol	Entrez gene ID
S105 ‡	STAT4	6775
S106 ‡	STAT5a	6776
S107 ‡	STAT6	6778
S108 ‡	SOCS1	8651
S109 ‡	SOCS2	8835
S110 ‡	SOCS3	9021
S111 ‡	SOCS4	122809
S112 ‡	SOCS5	9655
S113 ‡	SOCS6	9306
S114 ‡	SOCS7	30837
S115 ‡	CISH	1154
S115 #	CBL	867
§	FYN	2534
¥	CSK	1445
¥	SRMS	6725
¥	STAT5b	6777

* no official Entrez gene symbol

§ cloned but did not express

¥ not cloned

construct included more than just the SH2 domain to improve folding and stability

‡ expressed poorly or as insoluble aggregate and was not included on the arrays

Supplementary Table 1b | PTB domains included on the microarrays.

Domain	Entrez gene symbol	Entrez gene ID
P1	TNS-PTB	7145
P2	TENC1-PTB	23371
P3	SHC1-PTB	6464
P4	SHC3-PTB	53358
P5	APBB1-N	322
P6	APBB1-C	322
P7	APBB1-NC	322
P8	APBB2-N	323
P9	APBB2-C	323
P10	APBB2-NC	323
P11	APBB3-N	10307
P12	APBB3-C	10307
P13	APBB3-NC	10307
P14	APBA1	320
P15	APBA2	321
P16	APBA3	9546
P17	DAB1	1600
P18	DAB2	1601
P19 ‡	MAPK8IP1	9479
P20 ‡	MAPK8IP2	23542
P21	NUMBL	9253
P22	NUMB	8650
P23	RGS12	6002
P24	E129946 *	
P25 ‡	E136111 *	
P26	DOK1	1796
P27	DOK2	9046
P28	DOK4	55715
P29	DOK5	55816
P30	DOK5L	220164
P31	IRS1	3667
P32 ‡	IRS2	8660
P33	IRS4	8471
P34 ‡	FRS2	10818

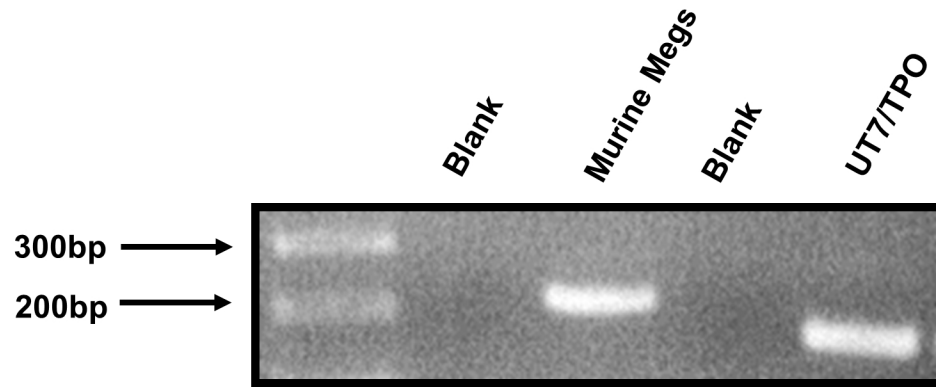
Domain	Entrez gene symbol	Entrez gene ID
P35	FRS3	10817
P36	RABGAP1	23637
P37	RABGAP1L	9910
P38	ANKS1	23294
P39	APPL	26060
P40	GULP1	51454
P41	EPS8L2	64787
P42 ‡	TLN1	7094
P43	CCM2	83605
P44	EB-1	56899
¥	TENS1	64759
¥	TLN2	83660
¥	FLJ20701 *	55022

* no official Entrez gene symbol

¥ not cloned

‡ expressed poorly or as insoluble aggregate and was not included on the arrays

Supplementary Figure 1



Supplementary Figure 1. Detection of presence of Tensin2 mRNA via Reverse Transcriptase PCR in murine megakaryocytes (Murine Megs) and human megakaryocytic leukemia cell line UT7-TPO