

D	1	2	3	4	5	6	7	8	9
A	pGEM4	pGEM T easy	pZero2	pBS SK- pBluescriptII	p3T	pENTR11	pENTR11 WoccdB by Tenzel	PCR11	p3FLAG CMV7 BAP
B	pCDNA3	PCR 3.1	pCX MCS	pEF1X A	pEF1X B	pEF1X C	pEF1X LacZ	RGB4	p3FLAG CMV7.1
C	pAd/PL-DEST	pAd CMV /DEST	plent DEST	LZRS CAgapEGFP mut4	LZRS CAgapEGFP mut4	LZRS DsRed2	pAd CX EGFP #4	pAd CMV LacZ	pAd CX Cre
D	pCX DsRed2	pDsRed2	pCX tagRFP	pTag RPC	pTag RPC	pEGFP N1	pEGFP C3	pZRES2 EGFP	pCX EGFP
E	pEF1X gapEGFP mut4	PCR 3.1 gapEGFP mut4	pBS185 (cre expression)	pCX Cre	pSuper Retro GFP	pAd EF1X gapEGFP	pAd EF1X DsRed2	pAd Tubulin1 EGFP	pAd NS6 EGFP
F	pENTR NSE EGFP	p6EX 5X-2	pmini Tol2/MCS transposone	pCMV- Tol2GP transposone	pmini CAgEGFP poly A transposone	CD4 stop	CD4 LoopII	DBP	DBX
G	DBX	DBP	pENTR EF1X DsRed2	pENTR EF1X gapEGFP	p6EV PSD95	pGW PSD93 EGFP	Myc SAP2	PSD95 pGW	Myc 41b
H	RBG4 Kv1.1	RBG4 Kv1.2	RBG4 Kv1.4	Kv1.1	Kv1.2	Kv1.4	Kv1.2 Kv1.4 chimera	p3FLAG CMV7.1	p3FLAG CMV7 BAP
I	RBG4 Kvβ2 S112D	RBG4 Kvβ2 S112A	RBG4 Kvβ2 WT	map2C CFP	map2B GFP	Bm mCherry	JPA mCherry	JPA3 Tfr mCherry	JPA5 Tfr tdTomato

(2)	1	2	3	4	5	6	7	8	9
A	NKA d1 cDNA Full	NKA d2 cDNA Full	NKA d3 cDNA Full	NKA d4 cDNA Full	NKA d1 BSK	NKA d2 BSK	NKA d3 BSK	pcDNA3 human L1CAM	SSeCKS
B	Nak a+base d1	Nak a+base d2	Nak a+base d3	Nak a+base d4	PC53 MT 9R10-15	PENTR BD spectrum E6	PAd CMV BD spectra	PENTR EF1d FLAG Kv3.1b	PSD-1(+) pcDNA3
C	Kv3.1b pGEX2T	pcDNA3 Kv3.1b	AnkB EGFP human	pcDNA3 NF155	PI3P HA-PI3P wrong	pcDNA3 NrCAM	pBS NrCAM	NrCAM	pcDNA3 rS601(+)
D	AnkB270 EGFP	E6 BD spectrum Myc	AnkB EGFP	PI32 YFP 858	PI32 YFP 858	988 d1 spectra CFP	β1 N-5 GFP	β1 E1 YFP 849	human alpha adducin HA
E	β2-CFP α22	β2-YFP α29	YFP-β2 α11	β3-GFP	β2	AnkB GFP	AnkB GFP	PI31 YFP 849	CD4 pSPORT
F	β2 spectrum CFP	β2 spectrum YFP	β2-Spectrum YFP	β2 spectrum	PLC54 HA	PLC S4 Loss PH	pEGFP-N2 rPrmp	pTag5A rPrmpHyl	β2GFP Prmp
G	PC5 ATP1b1 Myc His	human d-adducin HA	β1 Adducin	β Adducin	β GFP d Adducin 1-50k	β GTP d Adducin 1-50k	GFP β1 tail	β1 Adducin	β1 Adducin
H	pSuper AnkB	pSuper BD spectrum	pENTR shRNA AnkB CA6 EGFP	pENTR shRNA Cont CA6 EGFP	pENTR shRNA Nav CA6 EGFP	pENTR shRNA M#2 CA6 EGFP	Δ p1bα	PRC CMV F3	pHL1B pcDNA3
I	PCi Caspr2 HA Full	PCi Caspr2 HA Δ4.1b	PCi Caspr2 HA Δ4.1b	PCi Caspr2 HA ΔLT	Caspr2 HA	Caspr2 ΔCT	Caspr2 Δ4.1b	Caspr2 ΔP122	Caspr2 cDNA

③	1	2	3	4	5	6	7	8	9
A	pCX NF186 GFP in Water	pCX NF186 GFP ΔC (in Water)	pCX NF186 GFP ΔEC (in Water)	pCX NF186 GFP ΔIg (in Water)	pCX NF186 GFP ΔFNII (in Water)	pCX NF186 GFP ΔECΔIgY (in Water)	pCX NF186 GFP ΔFNΔIgY (in Water)	pCX NF186 GFP ΔIgΔIgY (in Water)	NF186 HA (LHM 2)
B	pCX NF186 GFP (in TE)	pCX NF186 GFP ΔC (in TE)	pCX NF186 GFP ΔEC (in TE)	pCX NF186 GFP ΔIg (in TE)	pCX NF186 GFP ΔFNII (in TE)	pCX NF186 GFP ΔECΔIgY (in TE)	pCX NF186 GFP ΔFNΔIgY (in TE)	pCX NF186 GFP ΔIgΔIgY (in TE)	NF186 T12 PTrc His AnkG Cysm) (Capr)
C	pBS NF186 Xhol-HindIII	pBS GFP Xho1-Not1	pCRE II NF186 ΔEC GFP	pCRE II NF186 ΔIg	pCK II NF186 GFP ΔFN II	pBS NF186 ΔIgΔIgY	pBS NF186 ΔIgΔIgY	pBS NF186 ΔFNΔIgY	pBS NF186 ΔFNΔIgY
D	pSX Necl1 (FL)	pCX Necl4 (FL)	pMX GFP Necl4 CT	pC3 Necl4	pMX ss Myc Necl4 FL	pC3 EGFP	pMX GFP	pMX NF155 HA	pMX GFP NF155 CT
E	pSX Necl1 (FL) (in Water)	pCX Necl4 (FL) (in Water)	pMX GFP Necl4 CT (in Water)	pC3 Necl4 (in Water)	pMX ss Myc Necl4 FL (in Water)	pC3 EGFP (in Water)	pMX GFP (in Water)	pMX NF155 HA (in Water)	pMX GFP NF155 CT (in Water)
F	pNF155 FL (in Water)	pMX GFP C (in Water)	pRK NF155	pSX FL	pCDNA3 NF2 FLAG	pEF1X EGFPNF CTP	pCDNA3 EGFP NF CTD	pCX EGFP NF CTD	pCX ΔIgFIP NF CTD
G	pNF155 FL (in Water)	pMX GFP C (in Water)	pRK NF155 (in Water)	pSX FL (in Water)	pCDNA3 NF2 FLAG (in Water)	pEF1X EGFPNF CTD (in Water)	pCX EGFPNF NF CTD ② (in Water)	pCX EGFPNF CTD ① (in Water)	pENTR SRNA NF#2 CAT EGFP in TE
H	p3X FLAG 4.1G rot	Myc 4.1 G human	pCDNA3 HA Epsyn2A	pCDNA3 Epsyn2HA	pMX GFP NF155 CT	pMX GFP (in Water)	Caspr	RK5 Caspr2	pENTR SRNA NF#2 CAT EGFP (in Water)
I	SH3P8	pGFP FAK Ad easy	pGFP FAK 347 Ad easy	pTRC His AnkG	pGEX AnkB 5K-2	pSG5 L Myr HA pTEN	pLVCX Myr HA AKT K179M	pLVCX Myr HA AKT	pCDNA3 Rac1 GFP T17N

(4)	1	2	3	4	5	6	7	8	9
A	pEGFP-N1 Nav β 4	pGEX Scn4b Full	pGEX Scn4b C-term	pGEX Scn4b C-term HIS	pGEX Scn2b Full	pGEX Scn2b C-term	pGEX Scn2b C-term HIS	pGEX 5X-2 +HIS #1	pGEX 5X-2 +HIS #2
B	PBS Scn4b w/ term	PBS Scn4b w/o Term	PBS Scn4b C-term w/o term	PBS Scn4b C-term w/o term	PBS Scn2b Full w/o term	PBS Scn2b Full w/o term	PBS Scn2b C-term w/o term	PBS Scn2b C-term w/o term	Nav β 2 Full cDNA (cliffor)
C	mSCV Par3 (100)	pHEGFP mPar3 PDZ1	pHEGFP mPar3 PDZ2	pHEGFP mPar3 PDZ3	pSiren RetroQ zsgreen Par3 #1	pSiren RetroQ zsgreen Par3 #2	pSiren RetroQ zsgreen Par3 #3	pBS PSD93 shefA +1	pBS PSD93 r3
D	mSCV Par3 (100)	pHEGFP mPar3 PDZ1	pHEGFP mPar3 PDZ2	pHEGFP mPar3 PDZ3	pSiren RetroQ zsgreen Par3 #1	pSiren RetroQ zsgreen Par3 #2	pSiren RetroQ zsgreen Par3 #3	pBENTR NF#2 shRNA CAGE47P	pENTR Super-control
E	mSCV Par3 (100)	pHEGFP mPar3 PDZ1	pHEGFP mPar3 PDZ2	pHEGFP mPar3 PDZ3	pSiren RetroQ zsgreen Par3 #1	pSiren RetroQ zsgreen Par3 #2	pSiren RetroQ zsgreen Par3 #3	pSiren RetroQ zsgreen Cont	mSCV FLAG control
F	pMx NF155ΔC GFP	pGFP PHD	PAKT GFP	PSCT A22 V20 (LADAM22)	PCDNA3.1 Lg i1 v5/His	PCDNA3.1 Lg i4 v5/His	PCDNA3 HA CD4 Nav β 4 w/o PDZ	PCDNA3 HA CD4 Nav β 4 w/o PDZ	pCDNA3 EVL (Myc)
G	pCDNA rSLO-1(10)	pPBS SLO1 S6-S8 (HA)	pGEX SLO1 S6-S8 (HA)	pPBS S8 S9	pGEX S8 S9 SLO1	pCRTI SLO-1(10) Cal - S10	CDC42 CA	CDC42 DN	CDC42 DN
H	CDC42 WT	CDC42 dN	CDC42 CA	RhoA WT	RhoA DL	RhoA DL	RhoA M9	pEGFP Rac1 CA	pCMV FLAG ILK1B SS/EE
I	pEF1α GFP-eGFP mut4	pCX CD4-eGFP (water)	pCX CD4-eGFP (TE)	PS-CFP2 M	PS-CFP2 M	PS-CFP2 M	PSD93 E4FP	PSD93 E4FP	pCRTI GFPneo

DNA³
in p
vs His tag
Kim et al 2011
and Woolf

(5)	1	2	3	4	5	6	7	8	9
A	pENTR Super AnkB m1	pENTR Super AnkB m2	pENTR Super AnkB m3	pENTR Super AnkB r1	pENTR Super AnkB h1	pENTR Super AnkB h2	pENTR Super AnkB h3	pBS Super AnkB r2	pCDNA3 LAMP2-GFP polyA
B	pBS Super AnkB m1	pBS Super AnkB m2	pBS Super AnkB m3	pBS Super AnkB r1	pBS Super AnkB h1	pBS Super AnkB h2	pBS Super AnkB h3	pENTR Super β2 spectrin r1	pENTR Super β2 spectrin r2
C	pBS Super β2 spectrin r1	pBS Super β2 spectrin r2	pBS Super β2 spectrin r3	pBS Super β2 spectrin m1	pBS Super β2 spectrin h5	pBS Super β2 spectrin h6	pENTR Super β2 spectrin h6	pENTR Super β2 spectrin r5	pENTR Super β2 spectrin m1
D	pBS Super d2 spectrin r1	pBS Super d2 spectrin r2	pBS Super d2 spectrin r3	pBS Super d2 spectrin r4	pBS Super d2 spectrin h7	pAd Super AnkB h2 CXEGFP	pAd Super AnkB h1 CXEGFP	pAd Super AnkB h2 CXEGFP	pAd Super AnkB h1 CXEGFP
E	pENTR Super AnkB h1 CXEGFP	pENTR Super AnkB r2 CXEGFP	pENTR Super AnkB h1 CXEGFP	pENTR Super AnkB h2 CXEGFP	pENTR Super AnkB h3 CXEGFP	pAd Super AnkB h3 CXEGFP	pAd Super β2 spectrin h1 CXEGFP	pAd Super β2 spectrin r2 CXEGFP	pAd Super β2 spectrin r5 CXEGFP
F	pENTR Super β2 spectrin h1 CXEGFP	pENTR Super β2 spectrin r2 CXEGFP	pENTR Super β2 spectrin h2 CXEGFP	pENTR Super d2 spectrin h6 CXEGFP	pAd Super d2 spectrin h6 CXEGFP	pAd Super d2 spectrin h1 CXEGFP	pAd Super d2 spectrin r3 CXEGFP	pAd Super d2 spectrin h4 CXEGFP	pAd Super d2 spectrin h5 CXEGFP
G	pENTR Super d2 spectrin h1 CXEGFP	pENTR Super d2 spectrin r3 CXEGFP	pENTR Super d2 spectrin h4 CXEGFP	pENTR Super d2 spectrin h5 CXEGFP	pENTR Super d2 spectrin h8 CXEGFP	pAd Super d2 spectrin h8 CXEGFP	pENTR Super β2 spectrin h2 CXEGFP	pENTR Super β2 spectrin h1 CXEGFP	pENTR Super β2 spectrin h5 CXEGFP
H	plenti d2 spectrin h8 Super CXEGFP	plenti Super d2 spectrin h8 CXEGFP	plenti Super d2 spectrin h4 CXEGFP	plenti Super β2 spectrin h6 CXEGFP	plenti Super d2 spectrin h5 CXEGFP	plenti Super β2 spectrin h1 CXEGFP	plenti Super AnkB h3 CXEGFP	plenti Super AnkB h2 CXEGFP	plenti AnkB h2 Super CXEGFP
I	pENTR EBV shRNA CXEGFP	pENTR Cont shRNA CXEGFP							

(b)	1	2	3	4	5	6	7	8	9
A	p3XFLAG Ku3.1b WT	p3XFLAG Ku3.1b ΔC 519	p3XFLAG Ku3.1b ΔC 542	p3XFLAG Ku3.1b ΔC 563	Ku3.1a Pudy	Ku3.1b Pudy	pGEX Ku3.1b Cterm	pAd 2FLAG Ku3.1b	pENTR 2FLAG 3XFLAG Ku3.1b
B	pCDNA3 Ku3.1b	pEGFP Ku3.1b	pCX HA Ku4.2 3.1b-542	pCX HA Ku4.2 3.1b-519	pCDNA3 HA Ku3.1b 519	pCDNA3 HA Ku3.1b 542	pGEX Ku3.1b	Ku3.1b ΔC EGFP	pEGFP Ku3.1b full
C	pENTR EGFP Ku3.1bc 519	pENTR EGFP Ku3.1bc 542	pEGFP Ku3.1b C 563	Nav L2 PBS	pENTR Nav1.2 L II-III	pENTR NSE promoter Ku3.1b	pENTR NSE promoter Ku3.1b 519	pENTR NSE promoter Ku3.1b 542	pENTR NSE promoter Ku3.1b 563
D	pENTR tubulinα1 promoter Ku3.1b	pENTR tubulinα1 promoter Ku3.1b 519	pENTR tubulinα1 promoter Ku3.1b 542	pENTR tubulinα1 promoter Ku3.1b 563	pENTR tubulinα1 promoter EGFP	pAd NSE FLAG Ku3.1b 519	pAd NSE FLAG Ku3.1b 542	pAd NSE FLAG Ku3.1b 563	pAd NSE FLAG Ku3.1b 563
E	pBS NSE promoter	pCKII Tubulinα1 promoter EGFP	pENTR Tubulinα1 promoter EGFP	pENTR NSE promoter EGFP	3XFLAG	3XFLAG Neureg/L2	pCX Caspr-LC HA	pCX 4.1b HA ΔAb	pCX 4.1b HA ΔSab
F	NKAα2 HA pCDNA3	NKAα3 HA pCDNA3	NKAα4 HA pCDNA3	pEGFP-C3 + Hook1	pBS NCAM from Benedito	pEGFP NF186HA	pSXFAG 4.1 G short.	p3XFLAG 5HT1A	pENTR NF186 super CX364FP
G	p14-3-3β EGFP	p14-3-3γ EGFP	p14-3-3ε EGFP	p14-3-3δ EGFP	pCX 14-3-3γ GFP in vector	pCDNA LGII FLAG	pCDNA LGII HA	pCDNA LGII MYC	pCDNA LGII MYC
H	pCDNA LGII HA	pCDNA LGII FLAG	pCDNA LGII HA	pCDNA LGII MYC	pCDNA LGII HA	pCX HA-ADAM12 70 PDZ	pCX HA-ADAM12 2 REST 70 FP 70 PDZ	pCX HA-ADAM12 2 REST 70 FP 70 PDZ	pCX HA-ADAM12 2 REST 70 FP 70 PDZ
I	pCX HA-ADAM12 ΔEL	pCX HA- ADAM12 ΔEL w/o PDZ	pCX HA- ADAM12 ΔEL 2 REST 70 FP	pCX HA- ADAM12 ΔEL w/o PDZ	pCX HA- ADAM12 ΔEL ΔL IRISIAGFP	pCX HA- ADAM12 ΔEL ΔL 14-3-3 IRISIAGFP	pCX HA- ADAM12 ΔEL ΔL 14-3-3 IRISIAGFP	pCX HA- ADAM12 ΔEL ΔL 14-3-3 IRISIAGFP	pAd CX LGII FLAG

7	1	2	3	4	5	6	7	8	9
A	pHA-SH3P8 IRESEGFP	pHA-SH3P8 Z64A IRESEGFP	pHA-SH3P8 315F IRESEGFP	pHA-SH3P8 315E IRESEGFP	pDsRed+ HA-SH3P8 WT	pDsRed+ HA-SH3P8 315E	pDsRed+ HA-SH3P8 315F	pDsRed+ HA-SH3P8 315F	pCreIEGFP response
B	pEGFP SH3P8 ΔSH3	pEGFP SH3P8 ΔBAR	pEGFP SH3P8 BAR	pEGFP SH3P8 SH3	pBS TagRFP E → H	pBS TagRFP H → E	pCX Wdr1 HA IRESEGFP	pEF1α MRCKHA CPC IRESEGFP	pCDNA3 MRCKHA CPC
C	pIRESEGFP Wdr1 HA	pmini CXEGFP polyA	pSA IRESEGFP	pmini SAIRESEGFP CXTRRFP	pmini SAIRESEGFP	pcDNA3 IkB α BamHI XbaI	pCMV4 FLAG IkB α Delta N	pBS IkB α SS/EE	pBS IkB α ΔN
D	pBS IkB α pCR	pZKB EGFP	pGEX AnkB 5X-2	pTRC HisAnkB	pENTR shRNA AnkB CXEGFP	pHA-Spread2 IRESEGFP	pHA-Spread2ΔL IRESEGFP	pHA-Spread1 IRESEGFP	pHA-Spread1ΔC IRESEGFP
E	pHA Sprouty2 IRESEGFP	pENTR CA6-HA Spread2 IRESEGFP	pENTR CA6-HA Spread2ΔC IRESEGFP	pENTR CA6-HA Sprouty2 IRESEGFP	pENTR CA6-HA Spread1 IRESEGFP	pENTR CA6-HA Spread1ΔC IRESEGFP	pAd CAG Spread1 IRESEGFP	pAd CAG Spread1ΔC IRESEGFP	pAd CAG HASpread2 IRESEGFP
F	pAd CAG Spread2ΔC IRESEGFP	pAd CAG Sprouty2 IRESEGFP	pAd ΔB GFP	pENTR shRNA control CXEGFP	pENTR shRNA Tiam1 CXEGFP	pENTR shRNA Tiam1 CXEGFP	pENTR shRNA Tiam1 CXEGFP	pENTR shRNA Tiam2 CXEGFP	pENTR shRNA Tiam2 CXEGFP
G	pENTR shRNA CK2 α 2 CXEGFP	pENTR shRNA MARK2① CXEGFP	pENTR shRNA MARK2④ CXEGFP	pGEX PKC γ 1-126	pGFP-C3 p85nSH2	pGFP-C3 p85cSH2	pGEX p85cSH2	pGEX p85cSH2	pHyHA pTEX IRESEGFP
H	pcDNA3 CF-42 DIV IRESEGFP	pcDNA3 CDC42 CA IRESEGFP	pcDNA3 RhoA CA IRESEGFP	B6 066436	B6 069401	pENTR shRNA Sept2 R1 CXEGFP	pENTR shRNA Sept2 R2 CXEGFP	pENTR shRNA Sept2 R3 CXEGFP	pBS shRNA Sept2 R1
I	pBS shRNA Sept R2	pBS shRNA Sept2 R3	pIRESEGFP Nedd5 55IN	Septin2 EGFP	PC53 Myc Sept2 55IN	PC53 Myc Sept2 PB	PC53 Myc Sept2 WT	PC53 EGFP Nedd5 55IN	

(8)	1	2	3	4	5	6	7	8	9
A	pAd shRNA Sept2 N CXEGFP	pAd shRNA Sept2 L2 CXEGFP	pAd shRNA Sept2 R3 CXEGFP	GFP Borg3 PRK7	GFP Borg3 LVL	GFP Borg3 BD3	IQCJ- SCHIP1 pcDNA3	NF2-PCDNA3 FLAG	
B	pGEX ADAMYL C-term 363	pGEX ADAMYL C-term. 531	pEGFP HANF 186	pcDNA3 NrCAM	pc3 Nect1 from E. Peles	pc3 ss-myc Nect4 from E. Peles	pcx Nect4 ECD - Fc from E. Peles	pcx Nect1 ECD - Fc from E. Peles	F3/pRC-CMV (Contactin)
C	See P. Mohler JBC 2002	N1	N2	N3	N4	N5	N6	N7	N8
D	See P. Mohler	GFP AnkB I425G	GFP AnkB I813K	GFP AnkB R1788W	GFP AnkB I622I	GFP AnkB I622N	N5 (Mid) AnkB GFP Day 50M	AnkB GFP A1000P	
E	Scyl1 CC1 GFP	Scyl1 CC1 GFP	Scyl1 CC1 RFP	Scyl1 CC1 RFP	mi CTRL RPP	mi CTRL RPP	SCN1b pGEX-3X GST	SCN2b pGEX-3X GST	
F	SCN1b -V5/His pcDNA3.1	SCN1b -V5/His pcDNA3.1	SCN2b -V5/His pcDNA3.1GS	SCN2b -V5/His pcDNA3.1GS	KCNE2 -V5/His pcDNA3.1	KCNE2 -V5/His pcDNA3.1	KCNE4 -V5 pcDNA6.2	KCNE4 -V5 pcDNA6.2	SCN3b pGEX-3X GST
G	pcMV Myc	βIIsp 14-15 Flag I.4	YFP βIIsp YFP 3548	βIIsp-YFP 3552	B2 -CFP 3550				
H		pCx AnkB- GFP				ATE1-1 P -EGFP N ₂	ATE1-2 P -EGFP N ₂	ATE1-3 P -EGFP N ₂	ATE1-4 P -EGFP N ₂
I	Casp -GST	pAd/ pL DEST							

⑨	1	2	3	4	5	6	7	8	9
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A βI -spectrin βII -spectrin PX-260 PX-330 PX-334 PX-335 hspcas9 -R PAAV-RC ptfleper
 $pGEX^6$ pl $pGEX^7$ pl $\frac{GST}{GST}$

B PAAV-mcs PAAV-lacZ pcMV-mcs psuper Control Nav channels psuper shRNA psuper AnkG BTB sp. shRNA psuper NrCAM shRNA psuper NF shRNA psuper.

C Nav $\beta 4$ shRNA psuper Nav. $\beta 4$ FL pSuper-Ubx d4 #1 pSuper-Ubx d4 #2 pSuper-Ubx d4 #3 pSuper-Ubx d4 #4 pSuper-Ubx d4 #5 pGET-SX-2
FL (kanamycin) control (Amp) pEGFP-N1 (kanamycin)

D

E

F

G

H

I

Box 10 Kae-Jiun's	1	2	3	4	5	6	7	8	9	10
A	pcDNA3.1-OMgp	pcDNA3.1-OMgp	pcDNA3-Vcan V2	pcDNA3-Vcan V2	pEGFP-N1	pEGFP-N1	pBS-KS-hVcan V2	pBS-KS-hVcan V2	pSecTag-hVcan V2	pSecTag-hVcan V2
B	pDS9-mVc N-GAG α	pDS9-mVc N-GAG α	OMgp-AP	AnkB-EGFP N1	AnkB-EGFP N1	pcDNA3-NrCAM	pcDNA3-NrCAM	pcDNA3-NF155	pcDNA3-NF155	
C	pSUPER-Stuffer #1	pSUPER-Stuffer #2	pEGFP-N1-AnkG 270	pEGFP-N1-AnkG 270	pRC/CMV-F3	pRC/CMV-F3	pRC/CMV-F3	pEGFP-N1-HA-NF186	pEGFP-N1-HA-NF186	
D	pcDNA3-HA-NrCAM	pcDNA3-HA-NrCAM	pCX-CD4-EGFP	pEF1 α -gapEGFP	pEGFP-N1-AnkG 190	pEGFP-N1-AnkG 190	pCX-HA-NF186-EGFP	pCX-HA-NF186 Δ CD-EGFP	pCXMCS	
E	pSXFc	pSXFc	pSXFc-Bc	pSXFc-Bc	pSXFc-BcG1	pSXFc-BcG3	pSXFc-BcG3	pSXFc-OMgp	pSXFc-OMgp	
F	pSXFc-VcV2	pSXFc-VcV2	pSXFc-VcG1	pSXFc-VcG1	pSXFc-VcG3	pSXFc-VcG3	pSXFc-mBral1	pSXFc-mBral1	pSXFc-mNrCAM	
G	pCAGGS-Flag-Bral1-His	pCAGGS-Flag-Bral1-His	pCAGGS-Flag-Bral1	pCAGGS-Flag-Bral1	pcDNA-Lgi1-Flag	pEGFP-N1-Bcan	pEGFP-N1-Bcan	pCB6-CD4-loop2	pBS-KS-hVcan V2 Δ sig	
H	pSXFc-GldnECD	pSXFc-GldnECD	pSXFc-GldnOLF	pSXFc-GldnOLF	pSXFc-GldnCOL	pSXFc-GldnCOL	pCMP1-NrCAM-Fc	pCMP1-NrCAM-Fc (mNrCAM-Fc)	pCMP1-NrCAM-Fc (mNrCAM-Fc)	
I	pcDNA3.1/G-S-SCN1B	pcDNA3.1/G-S-SCN1B	pcDNA3.1/G-S-SCN2B	pcDNA3.1/G-S-SCN2B	pEGFP-N1-Nav β 4 FL	pEGFP-N1-Nav β 4 FL	HA-PDLIM5a	HA-PDLIM5b	pcDNA3-HA-NrCAM Δ C	

Box 11 Kae-Jiun's	1	2	3	4	5	6	7	8	9
A	pGEX-3X-Bc	pGEX-3X-Bc	pSuper-AnkG shRNA Ymod	pCIG2-Cre	pCIG2-Cre	pCT-neo-HA-Caspr2	pGW1-PSD93-EGFP	AnkB-GFP	pcDNA3-HA-NF155
B	pcDNA3-HA-NF155ΔC1134	pcDNA3-HA-NF155ΔC1078	pENTR-Ctrl shRNA H4-EGFP	pENTR-NF shRNA #2-EGFP	pENTR-NrCAM shRNA	pENTR-AnkB shRNA r2-EGFP	pENTR-AnkG shRNA-EGFP	pENTR-AnkG shRNA-EGFP	pENTR-AnkG shRNA-EGFP
C	pCX-CD4-loop2-EGFP	pCX-CD4-loop2-EGFP	pCX-CD4-loop2ΔG-EGFP	pCX-CD4-loop2ΔG-EGFP	pGEX-5X-2	pGEX-5X-2-His	pGEX-5X-2-mNrCAM	pGEX-5X-2-His-mNrCAM	pET-21d(+)
D	pCXMCS-BcFc #4M1	pCXMCS-BcFc #4M3	pGEX-5X-2-His-mBral1 #1	pGEX-5X-2-His-mBral1 #2	pTac-5x-2-His-BcG3Fc #25	pTac-5x-2-His-BcG3Fc #30	pCXMCS-HA-NF186ECD	pCXMCS-HA-NF186ECD	pET-21d(+)
E	pcDNA3-HA-NrCAM-EGFP	pcDNA3-HA-NrCAM-EGFP #1	pcDNA3-HA-NrCAM-EGFP #2	pcDNA3-HA-NrCAM-AN #1	pcDNA3-HA-NrCAM-AN #2	pSuper-NrCAM shRNA	pSuper-Nav1.x shRNA	pSuper-NrCAM shRNA m1	pSuper-NrCAM shRNA m2
F	pSuper-NrCAM shRNA m3	pSuper-NrCAM shRNA m4	pSuper-Nav shRNA m1	pSuper-Nav shRNA m2	pSuper-Nav shRNA m3	pSuper-Nav shRNA m4	pSuper-Nav shRNA m5	pSuper-JS AnkG shRNA	pSuper-JSmod NF186 shRNA
G	pSuper-Ctrl shRNA	pSuper-Ctrl shRNA	pSuper-NF shRNA	pSuper-AnkG shRNA	pSuper-JS NF186 shRNA	pSuper.retro.GFP	pGEX-5x-2-His-BcG3-Fc	pET-21d-BcG3-Fc #13	pET-21d-BcG3-Fc #27
H	pSFcX-VcG3 #1	pSFcX-VcG3 #2	pSFcX-BcG3 (pSxFc-C-BcG3)	pSFcX-BcG3	pSXFc-hVcV3	pSXFc-mNcan	pcDNA3-HA-NrCAM(RNRA)	pcDNA3-HA-NrCAM-V5	pcDNA3-HA-NrCAM(RA)-V5
I	pSFcX-hVcV3	pSHXFc	pSHXFc-VcG3	pSHFcX-BcG3	pSuper-Myo1d shRNA r1	pSuper-Myo1d shRNA r2	pSuper-Myo1d shRNA r3	pENTR-Myo1d shRNA r1-EGFP	pENTR-Myo1d shRNA r3-EGFP

Box 12 Kae-Jiun's	1	2	3	4	5	6	7	8	9
A	pSuper-Kap3 shRNA r1	pSuper-Kap3 shRNA r2	pSuper-Kap3 shRNA r3	pSuper-Kap3 shRNA r4	pSuper-Kap3 shRNA r5	pSXFc-mVcGAGa-N	pYX-Asc-mNcan cDNA	pExpress-1-rMyo1d cDNA	pCMV-SPORT6-mKap3b cDNA
B	pENTR-Ctrl shRNA H4-EGFP	pAd/PL-DEST	pAd/PL-Myo1d shRNA r1-EGFP #1	pAd/PL-Myo1d shRNA r1-EGFP #2	pAd/PL-Myo1d shRNA r1-EGFP #3	pAd/PL-Myo1d shRNA r3-EGFP #1	pAd/PL-Myo1d shRNA r3-EGFP #2	pAd/PL-Myo1d shRNA r3-EGFP #3	pAd/PL-Ctrl shRNA H4-EGFP #1
C	pAd/PL-Ctrl shRNA H4-EGFP #2	pAd/PL-Ctrl shRNA H4-EGFP #3	pAd/PL-Ctrl shRNA H4-EGFP #3	pAd/PL-Myo1d shRNA r1-EGFP #2	pAd/PL-Myo1d shRNA r3-EGFP #2	pENTR-JS AnkG shRNA-EGFP	pENTR-JSmod NF186 shRNA-EGFP	pENTR-NrCAM shRNA-m2-EGFP	pENTR-Nav shRNA m4-EGFP
D	pENTR-Nav shRNA m5-EGFP	pENTR-JS AnkG shRNA-EGFP	pENTR-JSmod NF186 shRNA-EGFP	pENTR-NrCAM shRNA-m2-EGFP	pENTR-Nav shRNA m4-EGFP	pENTR-Nav shRNA m5-EGFP	pCMV-SPORT6-mKap3b-HA	pcDNA3-HA-NrCAM(RNR A)-EGFP	pcDNA3-HA-NrCAM(RNR A)-EGFP
E	pCXMCS-VcG3-Fc	pENTR-NrCAM shRNA-EGFP	pENTR-NrCAM shRNA-EGFP	pENTR-Nav1.x shRNA-EGFP	pENTR-Nav1.x shRNA-EGFP	pSXFc-rNrCAM(RA) ECD	pSXFc-rNrCAM(RA) ΔC	pSXFc-rNrCAM(wt)E CD	pSXFc-mBral1
F	pSuper-Kap3 shRNA r1	pSuper-Kap3 shRNA r2	pENTR-Kap3 shRNA r1-EGFP	pENTR-Kap3 shRNA r1-EGFP	pENTR-Kap3 shRNA r2-EGFP	pENTR-Kap3 shRNA r2-EGFP	pcDNA3-HA-NrCAM(RA)186ex	pcDNA3-HA-NrCAM(RA)186ex-EGFP	pcDNA3-HA-NrCAM(RA)dell1
G	pcDNA3-HA-NrCAM(RA)dell1-EGFP	pcDNA3-HA-NrCAM(RA)dell2	pcDNA3-HA-NrCAM(RA)dell2-EGFP	pcDNA3-HA-NrCAM(RA)186ex2 #2	pcDNA3-HA-NrCAM(RA)186ex2 #3	pcDNA3-HA-NrCAM(RA)186ex2-EGFP #2	pcDNA3-HA-NrCAM(RA)186ex2-EGFP #3	pcDNA3-HA-NrCAMdel3	pcDNA3-HA-NrCAM(RA)dell3
H	pcDNA3-HA-NrCAMdel3-EGFP	pcDNA3-HA-NrCAM(RA)dell3-EGFP	pSXFlag-BcG3	pSXFlag-VcG3	pExpress-1-rMyo1d ex2Δ	pExpress-1-rMyo1d ex3Δ	pcDNA3-hXBP1(S) #3	pcDNA3-hXBP1(S) #2	pCMV-SPORT6-hXBP1 (U)
I	pEGFP-N1-HA-NF186ΔFIGQY	pEGFP-N1-HA-NF186FIGQF	pcDNA3-HA-NF155 ΔFIGQY	pCMV-SPORT6-mAnkG 190 cDNA	pCXMCS-mAnkG 190	pCXMCS-mAnkG 270	pCXMCS-mAnkG 430	pCXMCS-mAnkG 480	

Box 13 Takeshi Yoshimura 2012-2014

1	2	3	4	5	6	7	8	9
pCAGGS-myc-KK-1	pCAGGS-myc-GST	pCAGGS-myc-PKCA	pEF-BOS-GST	pEF-BOS-GST- αII-spectrin 1-148aa.	pEF-BOS-GST- αII-spectrin 148-573aa.	pEF-BOS-GST- αII-spectrin 572-1338aa.	pEF-BOS-GST- αII-spectrin 1339-2324aa.	pEF-BOS-GST- αII-spectrin 2319-2472aa.
A NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab
B pEGFP-N3- αII-spectrin WT NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	pCAGGS-myc- Ract wt NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	pCAGGS-myc- Rac1 V12 (active) NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	pCAGGS-myc- Rac1 N17 NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	pCAGGS-myc- Cdc42 wt NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	pCAGGS-myc- Cdc42 V12 (active) NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	pCAGGS-myc- Cdc42 N17 NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	pEGFP-C2-PAR3 wt NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	pEGFP-C2-PAR6 wt NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab
C pEGFP-GST NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	βII-spectrin-YFP (pEYFP?) NucleoBond 1 mg/ml JUL 5, 2013 Takeshi From BOX2	βIV-spectrin Σ6 (mouse) NucleoBond 1 mg/ml JUL 5, 2013 Takeshi From Tammy	pCS3-myc- rat AnkG 270kDa NucleoBond 1 mg/ml JUL 5, 2013 Takeshi From Tammy	pEGFP-N1- vector NucleoBond 1 mg/ml JUL 5, 2013 Takeshi From BOX1	pBluescriptII SK(-) vector NucleoBond 1 mg/ml Aug 2, 2013 Takeshi From BOX2	YFP-βII-spectrin WT No. 911 from Mike NucleoBond 1 mg/ml Aug 2, 2013 Takeshi From BOX2	βII-spectrin WT-CFP No. 929 from Mike NucleoBond 1 mg/ml Aug 2, 2013 Takeshi From BOX2	βII-spectrin WT-YFP No. 929 from Mike NucleoBond 1 mg/ml Aug 2, 2013 Takeshi From BOX2
D pEGFP-C1 vector NucleoBond 1 mg/ml Dec 9, 2013 Takeshi From Kaibuchi Lab	pEGFP-C2 vector NucleoBond 1 mg/ml Dec 9, 2013 Takeshi From Kaibuchi Lab	pEGFP-C3 vector NucleoBond 1 mg/ml Dec 9, 2013 Takeshi From Kaibuchi Lab	pEGFP-N1 vector NucleoBond 1 mg/ml Dec 9, 2013 Takeshi From Kaibuchi Lab	pEGFP-N2 vector NucleoBond 1 mg/ml Dec 9, 2013 Takeshi From Kaibuchi Lab	pEGFP-N3 vector NucleoBond 1 mg/ml Dec 9, 2013 Takeshi From Kaibuchi Lab	pCAGGS-myc-kk1 vector NucleoBond 1 mg/ml Dec 9, 2013 Takeshi From Kaibuchi Lab	pBSII(-) pBSII(-) pBSII(-)	pBSII(-) pBSII(-) pBSII(-)
E AnkG 1-438aa. No. 1-4 NucleoBond 1 mg/ml Dec 13, 2013 Takeshi For BamHI digestion	AnkG 439-837aa. No. 2-2 NucleoBond 1 mg/ml Dec 13, 2013 Takeshi For BamHI digestion	AnkG 838-1156aa. No. 3-1 NucleoBond 1 mg/ml Dec 13, 2013 Takeshi For BamHI digestion	AnkG 1157-1476aa. No. 4-2 NucleoBond 1 mg/ml Dec 13, 2013 Takeshi For BamHI digestion	AnkG 1477-1908aa. No. 5-4 NucleoBond 1 mg/ml Dec 13, 2013 Takeshi For BamHI digestion	AnkG 1909-2325aa. No. 6-2 NucleoBond 1 mg/ml Dec 13, 2013 Takeshi For BamHI digestion	AnkG 2326-2622aa. No. 7 NucleoBond 1 mg/ml Jan 9, 2014 Takeshi For BamHI digestion	AnkG 1-837aa. No. 8-2 NucleoBond 1 mg/ml Dec 13, 2013 Takeshi For BamHI digestion	AnkG 838-1476aa. No. 9-3 NucleoBond 1 mg/ml Dec 13, 2013 Takeshi For BamHI digestion
F pEF-BOS-GST AnkG 1-438aa. No. 1-4 NucleoBond 1 mg/ml Dec 27, 2013 Takeshi For BamHI digestion	pEF-BOS-GST AnkG 439-837aa. No. 2-2 NucleoBond 1 mg/ml Dec 27, 2013 Takeshi For BamHI digestion	pEF-BOS-GST AnkG 838-1156aa. No. 3-1 NucleoBond 1 mg/ml Jan 24, 2014 Takeshi For BamHI digestion	pEF-BOS-GST AnkG 1157-1476aa. No. 4-5 NucleoBond 1 mg/ml Jan 24, 2014 Takeshi For BamHI digestion	pEF-BOS-GST AnkG 1477-1908aa. No. 5-1 NucleoBond 1 mg/ml Jan 3, 2014 Takeshi For BamHI digestion	pEF-BOS-GST AnkG 1909-2325aa. No. 6-6 NucleoBond 1 mg/ml Jan 3, 2014 Takeshi For BamHI digestion	pEF-BOS-GST AnkG 2326-2622aa. No. 7-7 NucleoBond 1 mg/ml Jan 24, 2014 Takeshi For BamHI digestion	pEF-BOS-GST AnkG 1-837aa. No. 8-4 NucleoBond 1 mg/ml Dec 27, 2013 Takeshi For BamHI digestion	pEF-BOS-GST AnkG 838-1476aa. No. 9-1 NucleoBond 1 mg/ml Dec 27, 2013 Takeshi For BamHI digestion
G pGEX-4T-1 vector NucleoBond 0.79 mg/ml Jan 24, 2014 Takeshi HA-Ubiquitin	pGEX-KK-1 modified pGEX vector NucleoBond 0.76 mg/ml Jan 24, 2014 Takeshi HA-Ubiquitin	pcDNA3- NucleoBond 1 mg/ml Aug 2, 2014 Takeshi HA-Ubiquitin	pEGFP-C1-MDM2 (GFP-MDM2) NucleoBond 1 mg/ml Aug 21, 2014 Takeshi From Addgene					
H CYFIP1/Sra-1 cDNA MMM1013-202859666 Open Biosystems NucleoBond 1 mg/ml Nov 9, 2014 Takeshi WAVE1	CYFIP2 cDNA (short) MMM1013-202799065 Open Biosystems NucleoBond 1 mg/ml Nov 9, 2014 Takeshi WAVE1	NCKAP1/NAP1 cDNA MHS6278-202756953 Open Biosystems NucleoBond 1 mg/ml Nov 9, 2014 Takeshi WAVE2	pCMV-SPORTS6 WAVE1 cDNA MMM1013-202765920 Open Biosystems NucleoBond 1 mg/ml Nov 9, 2014 Takeshi WAVE3	pCMV-SPORTS6 WAVE3 cDNA MMM1013-202769785 Open Biosystems NucleoBond 1 mg/ml Nov 9, 2014 Takeshi WAVE1	pCMV-SPORTS6 Abi-1 cDNA MMM1013-202762033 Open Biosystems NucleoBond 0.91 mg/ml Nov 9, 2014 Takeshi WAVE2	pYY-Asc Abi-2 cDNA MMM1013-202858921 Open Biosystems NucleoBond 1 mg/ml Nov 9, 2014 Takeshi WAVE3		
I pEF-BOS-myc (control) From Drs. Yamazaki & Miki NucleoBond 1 mg/ml Nov 23, 2014 Takeshi WAVE1	pEF-BOS-myc From Drs. Yamazaki & Miki NucleoBond 1 mg/ml Nov 23, 2014 Takeshi WAVE2	pEF-BOS-myc From Drs. Yamazaki & Miki NucleoBond 1 mg/ml Nov 23, 2014 Takeshi WAVE3	pEF-BOS-myc From Drs. Yamazaki & Miki NucleoBond 1 mg/ml Nov 23, 2014 Takeshi WAVE3	pEGFP-N3- WAVE1 From Drs. Yamazaki & Miki NucleoBond 1 mg/ml Nov 23, 2014 Takeshi	pEGFP-N3- WAVE2 From Drs. Yamazaki & Miki NucleoBond 1 mg/ml Nov 23, 2014 Takeshi	pEGFP-N3- WAVE3 From Drs. Yamazaki & Miki NucleoBond 1 mg/ml Nov 23, 2014 Takeshi		

Box 14 - Tammy

	1	2	3	4	5	6	7	8	9	10
A	EF1a-Nav1.6-WT-EGFP	EF1a-Nav1.6-E1100A-EGFP	EF1a-Nav1.6-S1112,3A-EGFP	EF1a-Nav1.6-S1115A-EGFP	EF1a-Nav1.6-4SA-EGFP	pcDNA-Nav1.6-mCherry	EF1a-Nav1.6-mCherry	pCx-CD4-loop2-EGFP	pLux-IRES-mCherry	
B	pCAG-IRES-EGFP (Amp ^R)	pCAG-IRES-EGFP (Amp ^R)	AnkR-His (original)	AnkR-His (amplified)	AnkR-Flag (original)	AnkR-Flag (amplified)	Flag-EGFP-AnkR	pCMV-AnkB-GFP	pCx-AnkB-GFP	pCx-AnkB-GFP
C	rat-270kD AnkG-GFP	rat-270kD AnkG-mCherry	GST-β1 spectrin 13-17	Myc-β1 spectrin 13-17 (pCS3+MT)	Myc-β1 spectrin 13-17 (pCS3+MT)	pCS3+MT β4 spectrin sigma6	pCS3+MT β4 spectrin sigma6	pCS3+MT β4 spectrin SR10-15	pCS3+MT	pEGFP N1-HA-NF186
D	pET 21d(+)	pGEX 5X-2	pcDNA3	pEF1α A	pEGFP-N1	CAG-EGFP	pcDNA3-IRES-GFP	pcDNA3-IRES-GFP	GCamp6	
E	pCAG EGxxFP	pCAG EGxxFP AnkG Exon6	pENTR AnkG shRNA	pENTR control shRNA H4	pENTR super AnkB shRNA h2	pENTR super AnkB shRNA r2	pSUPER Nav1 shRNA	pENTR super α2 spectrin shRNA r4	pENTR super β2 spectrin shRNA r2	
F	β4 spectrin mutation RRQS	β4 spectrin mutation RRAS	β4 spectrin mutation RRVS	AnkG SA mutation	His tag-AnkG SBD G5	His tag-AnkR SBD R2	Myc-AnkG MBD	Myc-AnkG MBD	Myc-AnkR MBD	Myc-AnkR MBD
G	AnkG sgRNA E6-1 PX458	AnkG sgRNA E6-2 PX458	PX 458	Chimera #0: full length AnkR-	AnkG AnkR Chimera #1	AnkG AnkR Chimera #2	AnkG AnkR Chimera #4	AnkG AnkR Chimera #9	AnkG AnkR Chimera #10	
H	MID1 ORF	TRPC6 cDNA	MID1-Myc-IRES-EGFP	TRPC6-Myc-IRES-EGFP	mscL ORF-myc His pcDNA3	mscL ORF-myc His pcDNA3	TRPC6 magneto construct #1	TRPC6 magneto construct #2	mscL magneto construct#1	mscL magneto construct#2
I	pSUPER retro GFP	pSUPER retro GFP	Macf1 shRNA1 (pSUPER retro GFP)	Macf1 shRNA2_1 (pSUPER retro GFP)	Macf1 shRNA2_1 (pSUPER retro GFP)	Macf1 shRNA2_3 (pSUPER retro GFP)	Macf1 sgRNA 2a_PX458	Macf1 sgRNA 3a_PX458	Macf1 sgRNA 4a_PX458	
J	Wave1 siRNA 749	Wave1 siRNA 751	Wave3 siRNA 310	Wave3 siRNA 312	TRIM46 shRNA 1 (pSUPER retro GFP)	TRIM46 shRNA 2 (pSUPER retro GFP)				

(15)

Tomo

pcDNA3	pEGFPN1	pSR-Neo (shRNA)	p3XFLAG 7.1	pGEX4T-1	pGFP-v-RS	pRFP-c-RS	pSuper Retro Luciferase	pSuper NuMA shRNA#1	pSuper NuMA shRNA#1	pSuper NuMA shRNA#2
pSuper NuMA shRNA#3	pSuper NuMA shRNA#4	pSuper NuMA shRNA#5	pSuper NuMA shRNA#6	pSuper 4.1B shRNA#1	pSuper 4.1B shRNA#2	pSuper 4.1B shRNA#3	pSuper 4.1B shRNA#4	pSuper Lis1 shRNA#1	pSuper Lis1 shRNA#1	pSuper NuMA shRNA#2
pSuper Brap shRNA#1	pSuper Brap	pSuper CCSAP	pSuper Rab23	pSuper Rab4a	pSuper Rab10	pSuper Nde1	pSuper Nde1	pSuper Nde1	V5-FLAG	NuMA1
3XFLAG NuMA1 (1-948)	3XFLAG NuMA1	3XFLAG NuMA1	3XFLAG NuMA1	3XFLAG NuMA1	3XFLAG NuMA1	3XFLAG NuMA1	3XFLAG NuMA1	pEGFPC1 3XFLAG NuMA1	pEGFPC1 3XFLAG NuMA1	pEGFPC1 3XFLAG NuMA1
1466-2101	(949-1465	1466-2101	1466-2101	1466-2101	1466-2101	1466-2101	1466-2101	1466-2101 (3TD) 2001 T→D 2041 T→D 2073 S→D	1466-2101 (3TD) 2001 T→D 2041 T→D 2073 S→D	1466-2101 (3TD) 2001 T→D 2041 T→D 2073 S→D
pEGFPC1 NuMA1 1466-2101	pEGFPC1 NuMA1	pEGFPC1 NuMA1	pEGFPC1 NuMA1	pEGFPC1 NuMA1	pEGFPC1 NuMA1	pEGFPC1 NuMA1	pEGFPC1 NuMA1	pEGFPC1 3XFLAG NuMA1	pEGFPC1 3XFLAG NuMA1	pEGFPC1 3XFLAG NuMA1
pSuper Septin5 shRNA#3	pSuper Septin11	Lenti	Lenti	Lenti	Lenti	Lenti	Lenti	Lenti	Lenti	Lenti
pCXMCS AnkG 480?	pEGFPN1 AnkG480	pEGFPN1 AnkG270	AnkG270 3XFLAG GFP	AnkG270 HA-V5	pEGFPN1 HA	pEGFPN1 AnkB	pCX	p3XFLAG	Myc-β4	spectrin
β2- spectrin GFP	α2- spectrin	pCMV-myc h4.1B	pCMV-HA h4.1B	pCMV3FLAG h4.1B Full	pTagRFPC1 h4.1G	pTagRFPC1 h4.1G	pCX	NF186	NF186	Σ1
pGFP-V-RS Luc-shRNA	pGFP-V-RS Sept3- shRNA	pGFP-V-RS Sept5- shRNA	pGFP-V-RS Sept6- shRNA	pGFP-V-RS NuMA#5 shRNA	Cdk1 WT	Cdk2 WT	HA	HA	CK2α	HA
pEGFPC1 NuMA1	pEGFPN1 hLis1	hNDE1 myc-FLAG	hNDE1 T131E myc-FLAG	hNDE1 T131EA myc-FLAG	Ndel1 myc-FLAG (P128)	Pafah1b1 (Lis1) myc-FLAG	GSK3β WT	GSK3β WT	WT	K68M
							Pafah1b2 myc-FLAG	Pafah1b3 myc-FLAG	pDEST FLAG	pDEST BRCA1

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Tomo

pTagRFPC- mRab1a	pTagRFPC- mRab1b	pTagRFPC- mRab2a	pTagRFPC- mRab2b	pTagRFPC- mRab3a	pTagRFPC- mRab3b	pTagRFPC- mRab3c	pTagRFPC- mRab4a	pTagRFPC- mRab4b	pTagRFPC- mRab5a
pTagRFPC- mRab5c	pTagRFPC- mRab6a	pTagRFPC- mRab6b	pTagRFPC- mRab9a	pTagRFPC- mRab9b	pTagRFPC- mRab11a	pTagRFPC- mRab11b	pTagRFPC- mRab13	pTagRFPC- mRab14	pTagRFPC- mRab15
pTagRFPC- mRab18	pTagRFPC- mRab22a	pTagRFPC- mRab22b	pTagRFPC- mRab23	pTagRFPC- mRab24	pTagRFPC- mRab27a	pTagRFPC- mRab27b	pTagRFPC- mRab28	pTagRFPC- mRab29	pTagRFPC- mRab30
pTagRFPC- mRab31	pTagRFPC- mRab32	pTagRFPC- mRab33a	pTagRFPC- mRab33b	pTagRFPC- mRab37	pTagRFPC- mRab38	pTagRFPC- mRab39a	pTagRFPC- mRab39b	pTagRFPC- mRab40b	pTagRFPC- mRab42
pTagRFPC- mRab4a QL	pTagRFPC- mRab4a TN	pTagRFPC- mRab8b QL	pTagRFPC- mRab8b TN	pTagRFPC- mRab10 Q68L	pTagRFPC- mRab10 S23N	pTagRFPC- mRab13 Q67L	pTagRFPC- mRab13 T22N	pTagRFPC- mRab23 Q68L	pTagRFPC- mRab23 S23N
pTagRFPC- mRab24 S67Q	pTagRFPC- mRab24 S67L	pTagRFPC- mRab24 T21N	pTagRFPC- mRab24 Q38P	pTagRFPC- mRab31 Q65L	pTagRFPC- mRab31 S20N	pTagRFPC- mRab35 Q67L	pTagRFPC- mRab35 S22N	pEGFPC1 mRab4a	pEGFPC1 mRab8b
pEGFPC1 mRab11a	pEGFPC1 mRab13	pEGFPC1 mRab11a	pEGFPC1 mRab14	pEGFPC1 mRab23	pEGFPC1 mRab24	pTagRPC mArf6	CyPET Arf6	YPET GGA3	pGEX-2 GGA3
pTagRFPC SNAP29	LAMP1 mRFP FLAG	pcDNA3.1 GFP DRD2	pCEP GFP DRD3	pTagRFPC DRD3	pEGFPN1 DRD3	mCherry SEpHluorin	BRAP2 myc-FLAG	Dcx myc-FLAG	pCAG HA rNrxxnl
pGW PSD93 EGFP	HA-Ub (ubiquitin)	pCi Caspr2 Full	pEGFPN1 SEPT6	V5-FLAG NuMA1 Deletion (4IB binding)	pAX Tbc1d8	FAM171A2 No Tag	FAM171B No Tag	pGEX4T-1 NuMA1 1-948	pET21d

CHENG-HSIN PLASMID BOX 1

Box (17)

	1	2	3	4	5	6	7	8	9
A	pAAV-hsyn1-Cre-P2A-tdT (addgene #107738)	pAAV-hsyn1-DIO-hM3D-mcherry (addgene #50474)	pAAV-hsyn1-flex-AxonGFP (addgene#135429)	VSVG-GFP colony-1 (#11912)	VSVG-GFP colony-2 (#11912)	mFGFP-Lifeact7-colony-1 (addgene #54610)	mFGFP-Lifeact7-colony-2 (addgene #54610)	pEGFPN3-a2spectrin (from Takeshi box)	-
B	mcherry-Lifeact7-colony-1 (addgene #54491)	mcherry-Lifeact7-colony-2 (addgene #54491)	EB3-tdTomato-colony-1 (addgene# 50708)	EB3-tdTomato-colony-2 (addgene# 50708)	mcherry-TfR-20 (Addgene #55144)	CAG-GFP	CAG-RFP	CAG-Cre-IRES-GFP	pGFPN1 (From Takeshi box)
C	3xFlag-AnkB-WT	3xFlag-AnkB-2683CT	3xFlag-AnkB-2683CT	3xFlag-AnkB-2968CT	AnkB-GFP	SEP-Kv7.2-CT	SEP-Kv7.3-CT	CD4-Kv7.2-CT	CD4-Kv7.3-CT
D	pGEX5X-2	pGEX5X-2-b4sp-sigma1-aa1-300	pGEX5X-2-b4sp-sigma6 (full-length)	pGEX5X-2-b4sp-sigma1 (truncation)	pGEX5X-2-b4sp-sigma1 (1-SR2)	pGEX5X-2-b4sp-sigma1 (1-SR2)	3xFlag-b4sp-sigma6	pCS3-Myc-b4sp-Sigma1 SR10-15	pCS3-Myc-b4sp-Sigma1 SR10-15
E	pCS3-Myc-b4sp-SR10-15	pCS3-Myc-b4sp-Sigma6	pCS3+MT-b4sp-Sigma6	pGEX6P1-b1spectrin	pGEX5X-2-b1sp-aa1-300 (Rat)	pAAV-hsyn1-HA-mtagBFP2-IRES-Cre (From Watkins lab)	pAAV-hsyn1-HA-mtagBFP2-IRES-Cre (From Watkins lab)	pCAG-Rufy3-Flag-Myc WT	-
F	pSuper-retro-GFP-LuciferaseshRNA #2 (From Abhi)	pEntry-control-shRNA-CAG-GFP	pEntry-control-a2spctrinshRNAr 4-CAG-GFP	pSuper-Rufy3shRNA# 3 (From Abhi)	pCAG-mGFP-H1-Rufy3shRNA# 3 (From Abhi)	pCAG-mGFP-H1-LuciferaseshRNA #2 (From Abhi)	pCAG-mGFP-H1-LuciferaseshRNA #2 (From Abhi)	pCAG-mGFP-H1-LuciferaseshRNA #2 (From Abhi)	Flag-Rufy3-Myc (From Abhi)
G	CAG-mGFP-H1-Septin5shRNA#4	CAG-mGFP-H1-Septin6shRNA #1	CAG-mGFP-H1-Septin7shRNA#2	pEGFPN1-AnkG-480kDa	pEGFPN1-CAG-AnkG-480kDa	pEGFPN1-CAG-AnkG-480kDa	Rat-AnkG-190-GFP	Flag-AnkR-GFP	Flag-GFP-humanAnk R
H	AnkR w/ AnkG GE270-GFP (Hsin fixed mutation from Tammy's construct, missing 11857-11861, 5bps)	AnkR w/ AnkG GE270-GFP (Tammy's construct, missing 11857-11861, 5bps)	P122-pENTR11-hEno2-MycBirA-HANDEL1-C (From Hamdan)	P140-pENTR11-hEno2-NDEL1-Ct-Myc-BirA (From Hamdan)	pAAV-CAG-FELX-H2B-gCaMP	pUC-mini-iCAP-PHPeB (addgene #103005)	pUC-mini-iCAP-PHPeB (addgene #103006)	pUC-mini-iCAP-PHPeB (addgene #103006)	pUC-mini-iCAP-PHPeB (addgene #103005)

CHENG-HSIN PLASMID BOX 2

Box(18)