①	1	2	3	4	5	6	7	8	9
A	pGEM4	pGEM T easy	pZero2	pBS SK- tpBluescriptII	p3T	pENTR 11	pENTR II w/o ccdB by EcoR1	pCRII	p3XFLAG CMV7 BAP
B	pCDNA3	pCR 3.1	pCX MCS	pEF1α A	pEF1α B	pEF1α C	pEF1α LacZ	RGB4	p3x FLAG CMV 7.1
C	pAd/PL-DEST	pAd CMV /DEST	pLenti DEST	LZRS CAgapEGFP	LZRS CAgapEGFP mut4	LZRS DsRed2	pAd CX EGFP #4	pAd CMV LacZ	pAd CX Cre
D	pCX DsRed2	pDsRed2	pCX tagRFP	pTag RFPC	pTag RFPC	pEGFP N1	pEGFP C3	pZRES2 EGFP	pCX EGFP
E	pEF1α gapEGFP mut4	pCR3.1 gapEGFP mut4	pBS 185 (cre expressia)	pCX Cre	pSuper Retro GFP	pAd EF1α gapEGFP	pAd EF1α DsRed2	pAd Tubulin1 EGFP	pAd NSE EGFP
F	pENTR NSE EGFP	pGEX 5X-2	pmini Tol2/MCS transposone	pCMV-Tol2gp transposone	pmini CAGEGFP polyA transposone	CD4 stop	CD4 Loop II	DBP	DBX
G	DBX	DBP	pENTR EF1α DsRed2	pENTR EF1α gapEGFP	pGW PSD95	pGW PSD93 EGFP	Myc SAP2	PSD95 pGW	Myc 416
H	RBG4 Kv1.1	RBG4 Kv1.2	RBG4 Kv1.4	Kv1.1 RBG4	Kv1.2 RBG4	Kv1.4 RBG4	Kv4.2 Kv1.4 chimera	p3XFLAG CMV7.1	p3XFLAG CMV7 BAP
I	RBG4 Kvβ2 S112D	RBG4 Kvβ2 S112A	RBG4 Kvβ2 WT	map2C CFP	map2B GFP	Bm mCherry	JPA mCherry	JPA3 TfR mCherry	JPA3 TfR td Tomato

(2)	1	2	3	4	5	6	7	8	9
A	NKA α1 cDNA Full	NKA α2 cDNA Full	NKA α3 cDNA Full	NKA α4 cDNA Full	NKA α1 BSK	NKA α2 BSK	NKA α3 BSK	pcDNA3 human L1 CAM	SS eCKS
B	Nak atpase α1	Nak atpase α2	Nak atpase α3	Nak atpase α4	pCS3 MT 9R10-15	pENTR βIV spectrin Σ6	pAd CMV βIV spectrin	pENTR EFIα FLAG kv3.1b	pSlo-1(0) pcDNA3
C	kv3.1b pGBX2T	pcDNA3 kv3.1b	AnkB EGFP human	pCDNA3 NF155	~~pEGFP HA NF186 wrong~~	pcDNA3 N-CAM	pBS N-CAM	N-CAM	pcDNA3 rSlo1(0)
D	Ank G 270 EGFP	Σ6 βIV spectrin Myc	AnkB EGFP	pIΣ2 YFP 858	pI Σ2 YFP 858	988 α1 spectrin CFP	β1 N-5 GFP	β1 Σ1 YFP 84 9	human alpha adducin HA
E	β2-CFP 922	β2-YFP 929	YFP-β2 911	β3-GFP	βII	AnkB GFP	Ank G GFP	pIΣ1 YFP 84 9	CD4 pSPORT
F	β2 spectrin CFP	β2 spectrin YFP	α2-Spectrin YFP	α2 spectrin	PLCδ4 HA	PLC δ4 Loss PH	pEGFPN2 rPrmp	p lag 5A rPrmp Myc	pEGFP- Prmp
G	pCS ATP1b1 Myc His	human α-adducin HA	β1 Adducin	α Adducin	pGFP α Adducin	pEGFP α Adducin 1-506	GFP β1 tail	β1 Adducin	β1 Adducin
H	pSuper Ank G	pSuper βIV spectrin	pENTR shRNA AnkG CAG EGFP	pENTR shRNA Cont CAG EGFP	pENTR shRNA Nav CAG EGFP	pENTR shRNA NF#2 CAG EGFP	Aplha	PRC CMV F3	pHL-IA pcDNA3
I	pCi Caspr2 HA Full	pCi Caspr2 HA ΔPDZ	pCi Caspr2 HA Δ4.1b	pCi Caspr2 HA ΔCT	Caspr2 HA	Caspr2 ΔCT	Caspr2 Δ4.1b	Caspr2 ΔPDZ	Caspr 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 ΔFN III (in Water)	pCX NF186 GFP ΔEC ΔFIGRY (in Water)	pCX NF186 GFP ΔFN ΔFIGRY (in Water)	pCX NF186 GFP ΔIg ΔFIGRY (in Water)	NF186 HA (KM)
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 ΔFN III (in TE)	pCX NF186 GFP ΔEC ΔFIGRY (in TE)	pCX NF186 GFP ΔFN ΔFIGRY (in TE)	pCX NF186 GFP ΔIg ΔFIGRY (in TE)	~~NF186 GFP~~ pTrc His AnkG (Cyan) ~~(Cyan)~~
C	pBS NF186 XhoI–HindIII	pBS GFP XhoI–NotI	pCR II NF186 ΔEC GFP	pCR II NF186 ΔIg GFP	pCR II NF186 GFP ΔFN III	pBS NF186 ΔEC ΔFIGRY	pBS NF186 ΔIg ΔFIGRY	pBS NF186 ΔFN ΔFIGRY	pBS NF186 ΔC GFP
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 EC (in Water)	pC3 EGFP (in Water)	pMX GFP (in Water)	pMX NF1+HA (in Water)	pMX GFP NF1 CT (in Water)
F	pNF155 FL	pMX GFP C	pRK NF155	pSX FL	pCDNA3 NF2 FLAG	pEFIα EGFP NF CTP	pCDNA3 EGFP NF CTD	pCX EGFP NFL TD	pCX EGFP NFL TD
G	pNF155 FL (in Water)	pMX GFP C (in Water)	pRK NF155 (in Water)	pSX FL (in Water)	pCDNA3 NF2 FLAG (in Water)	pEFIα EGFP NF CTD	pCX EGFP NFL TD ② (in Water)	pCX EGFP NF CTD ① (in Water)	pENTR SHRM NF#2 CA EGFP in TE
H	p3X FLAG 4.1G rat	Myc 4.1G human	pCDNA3 HA Ephrin2A	pCDNA3 Epsyn2 HA	pMX GFP NF155 CT	pMX GFP C	Caspr	RK5 Caspr2	pENTR SHRM NF#2 CA EGFP (in Water)
I	SH3P8	pGFP FAK Ad easy	pGFP FAK 397 Ad easy	pTRC His Ank4	pGEX Ank B 5x-2	pSG5L Myr HA PTEN	pLNCX Myr HA AKT K179M	pLNCx Myr HA AKT	pCDNA3 Rac1 GFP T17N

(4)	1	2	3	4	5	6	7	8	9
A	pEGFPN1 Nav1.4	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/ term	pBS Scn4b C-term w/o term	pBS Scn2b Full w/ term	pBS Scn2b Full w/o term	pBS Scn2b C-term w/ term	pBS Scn2b C-term w/o term	Nav1.2 Full cDNA in pcDNA3. V5/His tagged at C-terminal (Clifford Woolf)
C	mSCV Par3 (100)	pEGFP mPar3 PDZ1	pEGFP mPar3 PDZ2	pEGFP mPar3 PDZ3	pSiren RetroQ ZsGreen Par3 #1	pSiren RetroQ ZsGreen Par3 #2	pSiren RetroQ ZsGreen Par3 #3	pBS PSD93 shRNA #1	pBS PSD93 #3
D	mSCV Par3 (100)	pEGFP mPar3 PDZ1	pEGFP mPar3 PDZ2	pEGFP mPar3 PDZ3	pSiren RetroQ ZsGreen Par3 #1	pSiren RetroQ ZsGreen Par3 #2	pSiren RetroQ ZsGreen Par3 #3	pENTR NF#2 shRNA CAGEGFP	pENTR Super-Control
E	mSCV Par3 (100)	pEGFP mPar3 PDZ1	pEGFP mPar3 PDZ2	pEGFP 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	pEGFP PHD	PHAKT GFP	pSCT A22 V20 (ADAM22)	pCDNA3.1 Lgi1 V5/His	pCDNA3.1 Lgi4 V5/His	pCDNA3 HA CD4 Nav1.4 w/ PDZ	pCDNA3 HA CD4 Nav1.4 w/o PDZ	pCS3 EVL (Myc)
G	pCDNA r SLO-1(0)	pBS Slo-1 S6-S8 (HA)	pGEX Slo1 S6-S8 (HA)	pBS Slo1 S8 S9	pGEX S8 S9 Slo1	pGEX S8 S9 Slo1 (HA)	pCRII Slo-1(0) Cal-S/O	CDC42 CA	CDC42 DN
H	CDC42 WT	CDC42 dN	CDC42 CA	RhoA WT	RhoA DL	RhoA DL	RhoA N19	pEGFP Rac1 CA	pCMV FLAG IKKB SS/EE
I	pEFIG gapEGFP mut4	pCX CD4-EGFP (Water)	pCX CD4 EGFP (TE)	pS-CFP2 N1	pS-CFP2 N1	pSD93 EGFP	pGW PSD93 EGFP	pGW PSD93 EGFP	pCRII GFPneo

5	1	2	3	4	5	6	7	8	9
A	pENTR Super AnkB m1	pENTR Super AnkB m2	pENTR2 Super AnkB m3	pENTR2 Super AnkB r1	pENTR Super AnkB h1	pENTR2 Super AnkB h2	pENTR Super AnkB h3	pBS Super AnkB r2	pCDNA3 L Arrgap EGFP 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 βII spectrin r1	pBS Super βII spectrin r2	pBS Super βII spectrin r3	pBS Super βII spectrin m1	pBS Super βII spectrin r5	pBS Super βII spectrin r6	pENTR Super βII spectrin r6	pENTR Super βII spectrin r5	pENTR Super β2 spectrin m1
D	pBS Super α2 spectrin r1	pBS Super α2 Spectrin r2	pBS Super α2 spectrin r3	pBS Super α2 spectrin r4	pBS Super α2 spectrin hm7	pBS Super α2 spectrin hm8	pAd Super AnkB r2 CXEGFP	pAd Super AnkB h1 CXEGFP	pAd Super AnkB h2 CXEGFP
E	pENTR Super AnkB r1 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 r1 CXEGFP	pAd Super β2 spectrin r2 CXEGFP	pAd Super β2 spectrin r5 CXEGFP
F	pENTR Super β2 spectrin r1 CXEGFP	pENTR Super β2 Spectrin r2 CXEGFP	pENTR Super β2 spectrin r5 CXEGFP	pENTR Super α2 spectrin r6 CXEGFP	pAd Super α2 spectrin r6 CXEGFP	pAd Super α2 Spectrin r1 CXEGFP	pAd Super α2 Spectrin r3 CXEGFP	pAd Super α2 spectrin r4 CXEGFP	pAd Super α2 spectrin hm7 CXEGFP
G	pENTR Super α2 spectrin r1 CXEGFP	pENTR Super α2 spectrin r3 CXEGFP	pENTR Super α2 spectrin r4 CXEGFP	pENTR Super α2 spectrin hm7 CXEGFP	pENTR Super α2 spectrin h8 CXEGFP	pAd Super α2 spectrin hm8 CXEGFP	pENTR Super β2 spectrin r2 CXEGFP	pENTR Super β2 spectrin r1 CXEGFP	pENTR Super β2 spectrin r5 CXEGFP
H	pLenti αII spectrin hm8 Super CXEGFP	pLenti Super αII Spectrin hm7 CXEGFP	pLenti Super αII spectrin r4 CXEGFP	pLenti Super βII spectrin r6 CXEGFP	pLenti Super βII spectrin r5 CXEGFP	pLenti Super βII spectrin r1 CXEGFP	pLenti Super AnkB h3 CXEGFP	pLenti Super AnkB h2 CXEGFP	pLenti AnkB r2 Super CXEGFP
I	pENTR EB1 shRNA CXEGFP	pENTR Cont ShRNA CXEGFP							

6	1	2	3	4	5	6	7	8	9
A	p3XFLAG Kv3.1b WT	p3XFLAG Kv3.1b ΔC 519	p3XFLAG Kv3.1b ΔC 542	p3XFLAG Kv3.1b ΔC 563	Kv3.1a Pudy	Kv3.1b Pudy	pGEX Kv3.1b Cterm	pAd EFla 3XFLAG Kv3.1b	pENTR TEFla 3XFLAG Kv3.1b
B	pCDNA3 Kv3.1b	pEGFP Kv3.1b	pCX HA Kv4.2 3.1b-542	pCX HA Kv4.2 3.1b-519	pCDNA3 HA Kv3.1b 519	pCDNA3 HA Kv3.1b 542	pGEX Kv3.1b	Kv3.1b ΔC EGFP	pEGFP Kv3.1b Full
C	~~pENTR~~ pEGFP Kv3.1bC 519	p ~~EACH~~ EGFP Kv3.1bC 542	pEGFP Kv3.1b C 563	NaV L2 pBS	pEGFPC3 Nav1.2 L II-III	pENTR NSE promoter Kv3.1b	pENTR NSE promoter Kv3.1b 519	pENTR NSE promoter Kv3.1b 542	pENTR NSE promoter Kv3.1b 563
D	pENTR Tubulin α1 promoter Kv3.1b	pENTR Tubulin α1 promoter Kv3.1b 519	pENTR Tubulin α1 promoter Kv3.1b 542	pENTR Tubulin α1 promoter Kv3.1b 563	pENTR Tubulin α1 promoter EGFP	pAd NSE FLAG Kv3.1b	pAd NSE FLAG Kv3.1b 519	pAd NSE FLAG Kv3.1b 542	pAd NSE FLAG Kv3.1b 563
E	pBS NSE promoter	pCKII Tubulin α1 promoter	pENTR tubulin α1 promoter EGFP	pENTR NSE promoter EGFP	3XFLAG Caspr2	3x FLAG Neuroglin 2	pCX Caspr ΔC HA	pCX 4.1b HA ΔAb	pCX 4.1b HA ΔSab
F	NKAα2 HA pCDNA3	NKA α3 HA pCDNA3	NKAα4 HA pCDNA3	pEGFPC3 Hook1	pBS NrCAM from Bernardo	pEGFP NF186HA	p3XFLAG 4.1G short	p3XFLAG 5HT1A	pENTR NF#2 Super CXEGFP
G	p14-3-3β EGFP	p14-3-3η EGFP	p14-3-3ε GGFP	p14-3-3θ EGFP	pCX 14-3-3ζ GFP Tu Wen Cx	pCX 14-3-3ζ GFP	pCDNA LG1 FLAG	pCDNA Lgi2 HA	pCDNA Lgi3 myc
H	pCDNA LG14 HA	pCDNA Lgi1 FLAG	pCDNA Lgi2 HA	pCDNA Lgi3 Myc	pCDNA Lgi4 HA	pCX HA-ADAM22	pCX HA-ADAM22 w/o PDZ	pCX HA-ADAM22 ZRESEGFP	pCX HA-ADAM22 ZRESEGFP w/o PDZ
I	pCX HA-ADAM22 ΔEC	pCX HA-ADAM22 ΔEC w/o PDZ	pCX HA-ADAM22 ΔEC ZRESEGFP	pCX HA-ADAM22 ΔEC ZRESEGFP w/o PDZ	pCX HA-ADAM22 ΔEC ΔL ZRESEGFP	pCX HA-ADAM22 ΔEC ΔL2 14-3-3 ZRESEGFP	pCX HA-ADAM22 ΔEC Δ2 14-3-3 ZRESEGFP	pCX HA-ADAM22 ΔEC W/ L2 14-3-3 ZRESEGFP	pAdCX Lgi1 FLAG

(7)	1	2	3	4	5	6	7	8	9
A	pHA-SH3P8 IRESEGFP	pHA-SH3P8 264A IRESEGFP	pHA-SH3P8 315F IRESEGFP	pHA-SH3P8 315E IRESEGFP	pDsRed- HASH3P8 WT	pDsRed2 HA SH3P8 315E	pDsRed2 HA-SH3P8 315F	~~pDsRed2~~ HA-SH3P8 pκB EGFP response	pCreEGFP 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	pEFIα MRCK HA cpc IRESEGFP	piDNA3 MRCK HA cpc
C	pIRESEGFP wdr HA	pmini CXEGFP polyA	pSA IRESEGFP	pmini SAIRESEGFP CX TagRFP	pmini SAIRES EGFP	pcDNA3 Ikks BamHI xbaI	pCXN4 FLAG IκBα DeltaN	pBS Ikks SS/EE	pBS IκBα ΔN
D	pBS Ikks pcr	pZκB EGFP	pGEx AnkB 5X-2	pTRc HisAnk6	pENTR shRNA AwiCG CXEGFP	pHA-Spred2 IRESEGFP	pHA Spred2 ΔC IRESEGFP	pHA Spred1 IRESEGFP	pHA Spred1 ΔC IRESEGFP
E	pHA Sprouty2 IRESEGFP	pENTR CAG-HA Spred2 IRESEGFP	pENTR CAG-HA Spred2ΔC IRESEGFP	pENTR CAG HA Sprouty2 IRESEGFP	pENTR CAG-HA Spred1 IRESEGFP	pENTR CAG-HA spred1 ΔC IRESEGFP	pAd CAG Spred1 IRESEGFP	pAdCAG Spred1 ΔC IRESEGFP	pAd CAG HASpred2 IRESEGFP
F	pAdCAG Spred2ΔC IRESEGFP	pAdCAG Sprouty2 IRESEGFP	pAd κB GFP	pENTR shRNA control CXEGFP	pENTR shRNA Tiam1 CXEGFP	pENTR shRNA tiam2 CXEGFP	pENTR shRNA Tiam1 CXEGFP	pENTR shRNA T-iam2 CXEGFP	pENTR shRNA ~~CK2α1~~ CXEGFP
G	pENTR shRNA CK2α2 CXEGFP	pENTR shRNA MARK2 ① CXEGFP	pENTR shRNA MARK2 ④ CXEGFP	pEGFPC3 PKCγ 1-126	pEGFPC3 p85nSH2	pEGFPC3 p85cSH2	pGEX p85nSH2	pGEX p85cSH2	pHyg-HA pTEV IRESEGFP
H	pcDNA3 CDC42-DN IRESEGFP	pcDNA3 CDC42CA IRESEGFP	pcDNA3 RhoACA IRESEGFP	BG 066436	BG 069469	pENTR shRNA Sept2 #1 CXEGFP	pENTR shRNA Sept2 #2 CXEGFP	pENTR shRNA sept2 #3 CXEGFP	pBS shRNA Sept2 #1
I	pBS shRNA Sept #2	pBS shRNA Sept2 #3	pIRESEGFP Nedd5 SSIN	Septin2 EGFP	pCS3 MycSept2 SSIN	pCS3 MycSept2 PB	pCS3 MycSept2 WT	pIRES EGFP Nedd5 SSIN	

8	1	2	3	4	5	6	7	8	9
A	pAd shRNA sept2 N1 CXEGFP	pAd shRNA sept2 N2 CXEGFP	pAd shRNA sept2 N3 CXEGFP	GFP Borg3 PRK7	GFP Borg3 LVL	GFP Borg3 BD3	IQCJ-SCHIP1 PCDNA3	NF2-PCDNA3 FLAG	
B	pGEX ADAM12 cterm 363	pGEX ADAM12 Cterm 531	PEGFP HANF 186	PCDNA3 Nr CAM	pc3 Nael 1 from E. Peles	pc3 ss-myc Nael 4 from E. Peles	PCX Nael 4 EC - Fc from E. Peles	PCX Nael 1 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 1813K	GFP AnkB R1788W	GFP AnkB 1622I	GFP AnkB 1622N	N5 (Midi)	AnkB GFP Dar SDM	AnkB GFP A1000P	
E	Scyl1 CC7 GFP	Scyl1 CC1 GFP	Scyl1 CC7 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 ~~GS~~	KCNE2 -V5/His pcDNA3.1 ~~GS~~	KCNE4 -V5 pcDNA6.2	KCNE4 -V5 pcDNA6.2	SCN3b pGEX-3X GST
G	pCMV Myc	Bilsp 14-15 Flag 1.4	YFP-Bilsp ~~YFP~~ 3548	Bilsp-YFP 3552	B2-CFP 3550				
H		pCx AnkB-GFP				ATE1-1 P-EGFP N2	ATE1-2 P-EGFP N2	ATE1-3 P-EGFP N2	ATE1-4 P-EGFP N2
I	Caspr-GST	pAd/pL DEST							

9	1	2	3	4	5	6	7	8	9
A	βI-Spectrin pGex6 p1 GST	βII-Spectrin pGex 3p1 GST	pX-260	pX-330	pX-334	pX-335	hspCas9 -R	pAAV-RC	pHelper
B	pAAV-mcs	pAAV-LacZ	pcmV-mcs	pSuper Control	Nav channels shRNA pSuper	pSuper AnkG	βIV Sp. shRNA pSuper	NrCam shRNA pSuper	NF shRNA pSuper.
C	Nav β4 FL (kanamycin)	shRNA pSuper control (Amp)	Nav. β4 FL pEGFP-N1 (kanamycin)	pSuper-Ubxd4 #1	pSuper-Ubxd4 #2	pSuper-Ubxd4 #3	pSuper-Ubxd4 #4	pSuper-Ubxd4 #5	pGEX-5X-2 β4 spectrin - sigma 6 (GST)
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-mVcN-GAGα	pDS9-mVcN-GAGα	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	pEF1α-gapEGFP	pEGFP-N1-AnkG 190	pEGFP-N1-AnkG 190	pCX-HA-NF186-EGFP	pCX-HA-NF186ΔCD-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 V2Δsig	
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/GS-SCN1B	pcDNA3.1/GS-SCN1B	pcDNA3.1/GS-SCN2B	pcDNA3.1/GS-SCN2B	pEGFP-N1-Navβ4 FL	pEGFP-N1-Navβ4 FL	HA-PDLIM5a	HA-PDLIM5b	pcDNA3-HA-NrCAMΔC	

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-mVcGAGα-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(RNRA)-EGFP	pcDNA3-HA-NrCAM(RNRA)-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)ECD	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)del1
G	pcDNA3-HA-NrCAM(RA)del1-EGFP	pcDNA3-HA-NrCAM(RA)del2	pcDNA3-HA-NrCAM(RA)del2-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)del3
H	pcDNA3-HA-NrCAMdel3-EGFP	pcDNA3-HA-NrCAM(RA)del3-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
A	pCAGGS-myc-KK-1 NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	pCAGGS-myc-GST NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	pCAGGS-myc-PKCλ NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	pEF-BOS-GST NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	pEF-BOS-GST- **αII-spectrin 1-148aa.** NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	pEF-BOS-GST- **αII-spectrin 148-573aa.** NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	pEF-BOS-GST- **αII-spectrin 572-1338aa.** NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	pEF-BOS-GST- **αII-spectrin 1339-2324aa.** NucleoBond 1 mg/ml JUL 17, 2013 Takeshi From Kaibuchi Lab	pEF-BOS-GST- **αII-spectrin 2319-2472aa.** 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- **Rac1 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	pCS3-myc- βIV-spectrin Σ6 (mouse) NucleoBond 1 mg/ml JUL 5, 2013 Takeshi From Tammy	pEGFP-N1- rat AnkG 270kDa NucleoBond 1 mg/ml JUL 5, 2013 Takeshi From Tammy	pBluescriptII SK(-) vector NucleoBond 1 mg/ml JUL 5, 2013 Takeshi From BOX1	YFP-βII-spectrin WT No.911 from Mike NucleoBond 1 mg/ml Aug 2, 2013 Takeshi From BOX2	βII-spectrin WT-CFP No.922 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		
E	pBSII(-) AnkG 1-438aa. No.1-4 NucleoBond 1 mg/ml Dec 13, 2013 Takeshi For BamHI digestion	pBSII(-) AnkG 439-837aa. No.2-2 NucleoBond 1 mg/ml Dec 13, 2013 Takeshi For BamHI digestion	pEGFP-C1 AnkG 838-1156aa. No.3-1 NucleoBond 1 mg/ml Dec 27, 2013 Takeshi For BgI II digestion	pEGFP-N1 AnkG 1157-1476aa. No.4-2 NucleoBond 1 mg/ml Dec 13, 2013 Takeshi For BgI II digestion	pBSII(-) AnkG 1477-1908aa. No.5-4 NucleoBond 1 mg/ml Dec 13, 2013 Takeshi For BamHI digestion	pBSII(-) AnkG 1909-2325aa. No.6-2 NucleoBond 1 mg/ml Dec 13, 2013 Takeshi For BamHI digestion	pEGFP-C1 AnkG 2326-2622aa. No.7 NucleoBond 1 mg/ml Jan 9, 2014 Takeshi For BgI II digestion	pBSII(-) AnkG 1-837aa. No.8-2 NucleoBond 1 mg/ml Dec 13, 2013 Takeshi For BamHI digestion	pEGFP-N1 AnkG 838-1476aa. No.9-3 NucleoBond 1 mg/ml Dec 13, 2013 Takeshi For BgI II digestion
F	pEF-BOS-GST AnkG 1-438aa. No.1-4 NucleoBond 1 mg/ml Dec 27, 2013 Takeshi	pEF-BOS-GST AnkG 439-837aa. No.2-2 NucleoBond 1 mg/ml Dec 27, 2013 Takeshi	pEF-BOS-GST AnkG 838-1156aa. No.3-1 NucleoBond 1 mg/ml Jan 24, 2014 Takeshi	pEF-BOS-GST AnkG 1157-1476aa. No.4-5 NucleoBond 1 mg/ml Jan 3, 2014 Takeshi	pEF-BOS-GST AnkG 1477-1908aa. No.5-1 NucleoBond 1 mg/ml Jan 3, 2014 Takeshi	pEF-BOS-GST AnkG 1909-2325aa. No.6-6 NucleoBond 1 mg/ml Jan 3, 2014 Takeshi	pEF-BOS-GST AnkG 2326-2622aa. No.7-7 NucleoBond 1 mg/ml Jan 24, 2014 Takeshi	pEF-BOS-GST AnkG 1-837aa. No.8-4 NucleoBond 1 mg/ml Dec 27, 2013 Takeshi	pEF-BOS-GST AnkG 838-1476aa. No.9-1 NucleoBond 1 mg/ml Dec 27, 2013 Takeshi
G	pGEX-**4T-1** vector NucleoBond 0.79 mg/ml Jan 24, 2014 Takeshi	pGEX-**KK-1** modified pGEX vector NucleoBond 0.76 mg/ml Jan 24, 2014 Takeshi	pcDNA3- HA-Ubiquitin NucleoBond 1 mg/ml Aug 2, 2014 Takeshi From Addgene	pEGFP-C1-MDM2 **(GFP-MDM2)** NucleoBond 1 mg/ml Aug 21, 2014 Takeshi From Addgene					
H	pYX-Asc **CYFIP1/Sra-1 cDNA** MMM1013-202859666 Open Biosystems NucleoBond 1 mg/ml Nov 9, 2014 Takeshi	pYX-Asc **CYFIP2 cDNA (short)** MMM1013-202799065 Open Biosystems NucleoBond 1 mg/ml Nov 9, 2014 Takeshi	pCMV-SPORTS6 **NCKAP1/NAP1 cDNA** MHS6278-202756953 Open Biosystems NucleoBond 1 mg/ml Nov 9, 2014 Takeshi	pCMV-SPORTS6 **WAVE1 cDNA** MMM1013-202765920 Open Biosystems NucleoBond 1 mg/ml Nov 9, 2014 Takeshi	pCMV-SPORTS6 **WAVE3 cDNA** MMM1013-202769785 Open Biosystems NucleoBond 1 mg/ml Nov 9, 2014 Takeshi	pCMV-SPORTS6 **Abi-1 cDNA** MMM1013-202762033 Open Biosystems **NucleoBond 0.91 mg/ml** Nov 9, 2014 Takeshi	pYX-Asc **Abi-2 cDNA** MMM1013-202858921 Open Biosystems NucleoBond 1 mg/ml Nov 9, 2014 Takeshi		
I	pEF-BOS-**myc** **(control)** From Drs.Yamazaki & Miki NucleoBond 1 mg/ml Nov 23, 2014 Takeshi	pEF-BOS-**myc** **WAVE1** From Drs.Yamazaki & Miki NucleoBond 1 mg/ml Nov 23, 2014 Takeshi	pEF-BOS-**myc** **WAVE2** From Drs.Yamazaki & Miki NucleoBond 1 mg/ml Nov 23, 2014 Takeshi	pEF-BOS-**myc** **WAVE3** From Drs.Yamazaki & Miki NucleoBond 1 mg/ml Nov 23, 2014 Takeshi	**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 legnth 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#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#2
pSuper Brap shRNA#1	pSuper Brap shRNA#2	pSuper CCSAP shRNA#1	pSuper Rab23 shRNA#1	pSuper Rab4a shRNA#1	pSuper Rab10 shRNA#1	pSuper Nde1 shRNA#1	pSuper Nde1 shRNA#2	pSuper Nde1 shRNA#3	V5-FLAG NuMA1 (Full)
3XFLAG NuMA1 (1-948)	3XFLAG NuMA1 (949-1465	3XFLAG NuMA1 1466-2101	3XFLAG NuMA1 1466-2101 2041 T→A	3XFLAG NuMA1 1466-2101 2041 T→D	3XFLAG NuMA1 1466-2101 (2TD) 2001 T→D 2041 T→D	3XFLAG NuMA1 1466-2101 (3TD) 2001 T→D 2041 T→D 2073 S→D	pEGFPC1 3XFLAG NuMA1 Full	pEGFPC1 NuMA1 1-948	pEGFPC1 NuMA1 949-1465
pEGFPC1 NuMA1 1466-2101	pEGFPC1 NuMA1 1466-2101 2041 T→D	pEGFPC1 NuMA1 1466-2101 2041 T→A	pEGFPC1 NuMA1 1466-2101 (2TA) 2001 T→A 2041 T→A	pEGFPC1 NuMA1 1466-2101 (3TA) 2001 T→A 2041 T→A 2073 S→A	pSuper Septin3 shRNA#1	pSuper Septin3 shRNA#2	pSuper Septin3 shRNA#3	pSuper Septin5 shRNA#1	pSuper Septin5 shRNA#2
pSuper Septin5 shRNA#3	pSuper Septin11 shRNA#2	Lenti Trim46 sgRNA#1	Lenti Trim46 sgRNA#2	Lenti Trim46 sgRNA#3	Lenti β4spectri nsgRNA#1	Lenti β4spectri nsgRNA#2	Lenti β4spectri nsgRNA#3	Lenti NuMA1 sgRNA#1	Lenti NuMA1 sgRNA#3
pCXMCS AnkG 480?	pEGFPN1 AnkG480	pEGFPN1 AnkG270	AnkG270 3XFLAG GFP	AnkG270 HA-V5	pEGFPN1 HA AnkB-GFP	HA AnkB V5	pCX NF186 GFP	p3XFLAG NF186 ICD	Myc-β4 spectrin Σ1
β2-spectrin GFP	α2-spectrin YFP	pCMV-myc h4.1B Full	pCMV-HA h4.1B Full	pCMV3FLAG h4.1B Full	pTagRFPC1 h4.1G Full	pTagRFPC1 h4.1G deltaC	pCMV3FLAG h4.1G Full	pCMV3FLAG h4.1G deltaC	pCX 4.1bHA deltaSab
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 GSK3β WT	HA CK2α WT	HA CK2α K68M
pEGFPC1 NuMA1	pEGFPN1 hLis1	hNDE1 myc-FLAG	hNDE1 T131E myc-FLAG	hNDE1 T131EA myc-FLAG	Ndel1 myc-FLAG (P128)	Pafah1b1 (Lis1) myc-FLAG	Pafah1b2 myc-FLAG	Pafah1b3 myc-FLAG	pDEST FLAG BRCA1

(16) 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	pTagRFPC 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 rNrxnl
pGW PSD93 EGFP	HA-Ub (ubiqutin)	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-mchery (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-sigma6 (truncation)	pGEX5X-2-b4sp-sigma1 (1-SR2)	pGEX5X-2-b4sp-sigma1 (1-SR2)	3xFlag-b4sp-sigma6	pCS3-Myc-b4sp-Sigma1	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-a2spctrinshRNAr4-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-humanAnkR
H	AnkR w/ AnkG GE270-GFP (Hsin fixed mutation from Tammy's construct)	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-PHPS (addgene #103006)	pUC-mini-iCAP-PHPS (addgene #103006)	pUC-mini-iCAP-PHPeB (addgene #103005)

CHENG-HSIN PLASMID BOX 2

Box (18)

	1	2	3	4	5	6	7	8	9
A	pAAV-hsyn1-DIO-hM3D-mchery (addgene #50474)	pCAG-**m**GFP	3xHA-TurboID-NLS_pCDNA3 (addgene107171)	3xHA-miniTurbo-NLS_pCDNA3 (addgene107172)	pAAV-EF1a-Flex-MCS-AP	pAAV-Camk2a-hChR2-H134R-EYFP	pAAV-hsyn1-DIO-NDEL1-Myc-BirA	pAAV-hsyn1-DIO-3xHA-TurboID	pAAV-hsyn1-DIO-3xHA-TurboID
B	pAAV-hsyn1-DIO-NDEL1-3xHA-TurboID	pAAV-hsyn1-DIO-NDEL1-3xHA-TurboID	pAAV-hsyn1-DIO-NDEL1-3xHA-TurboID	pAAV-hsyn1-DIO-NDEL1-3xHA-TurboID w/o WPRE					
C									
D									
E									
F									
G									
H									

pAAV-hSyn-hChR2(H134R)-mCherry Addgene 26976	1	Amp	L5
pAAV-hSyn-hChR2(H134R)-mCherry ΔPsiI-PmlI (ΔPP)	2	Amp	L5
pAAV-hSyn-hChR2(H134R)-mCherry ΔPsiI-PmlI ΔAflIII	3	Amp	L5
Addgene 36047: pcDNA3.1 MCS-BirA(R118G)-HA	4	Amp	L5
pAAV-hSyn-CD4Loop2-mCherry ΔPsiI-PmlI ΔAflIII	5	Amp	L5
Addgene 35700: pcDNA3.1 mycBioID	6	Amp	L5
pAAV-hSyn-CD4Loop2-mCherry	7	Amp	L5
PEGFP-N1-NF186 (GFP is out of frame)	8	KA	L5
PEGFP-N1-Navβ4-GFP (full length)	9	KA	L5
pAAV-hSyn-SalI-BirA*-NotI-mCh ΔPPΔAflIII(ForCD4Loop2)	10	Amp	L5
pAAV-hSyn-Navβ4-mCherry ΔPsiI-PmlI ΔAflIII (inframe)	11	Amp	L5
pCS3+MT 1415 (β4 spectrin)	12	Amp	L5
pAAV-hSyn-CD4Loop2-BirA*-mCherry ΔPsiI-PmlI ΔAflIII	13	Amp	L5
pAAV-hSyn-KpnINavβ4SalI-mCherry ΔPPΔAflIII (out of frame)	14	Amp	L5
pAAV-hSyn-Navβ4-BirA*-mCherry ΔPsiI-PmlI ΔAflIII (inframe)	15	Amp	L5
pAAV-hSyn-NF186-mCherry ΔPP ΔAflIII (inframe)	16	Amp	L5
pAAV-hSyn-β4Spectrin1415-mCherry ΔPP ΔAflIII (inframe)	17	Amp	L5
pAAV-hSyn-Navβ4-mCherry full pAAV (inframe)	18	Amp	L5

Addgene 36035: CHOP promoter (-649/+136) pmCherry-1	19	KA	L5
MegaX DH10B T1R 05-15-13	20		L5
pAAV-hSyn-Navβ4-mCherry ΔWPRE ΔPsiI-PmlI ΔAflIII	21	Amp	L5
pAAV-hSyn-hChR2(H134R)-mCherryNavβ4ΔC ΔPP ΔAflIII	22	Amp	L5
pAAV-hSyn-Navβ4ΔC-mCherry ΔPsiI-PmlI ΔAflIII	23	Amp	L5
pEGFP-N1-CMV-Navβ4ΔC-GFP	24	KA	L5
pCX-CAG-HA-NF186-GFP (inframe)	25	Amp	L5
pcDNA3.1-hSyn-Navβ4ΔC-BirA-HA	26	Amp	L5
pcDNA3.1-CMV-Navβ4ΔC-BirA-HA	27	Amp	L5
hSyn-Navβ4ΔC-pmCherry-1	28	KA	L5
hSyn-Navβ4ΔC-GFP	29	KA	L5
CMV-Navβ4ΔC-pmCherry-1	30	KA	L5
Addgene 40260: pcDNA3-mRuby2	31	Amp	L5
hSyn-Navβ4ΔC-mRuby2	32	KA	L5
pCX-CAG-HA-NF186-pmCherry-1	33	KA	L5
hSyn-part of Navβ4ΔCBlpI-MycBirA*-AgeI-pmCherry-1	34	KA	L5
Addgene 20736: Thy1 promoter construct	35	Amp	L5
Thy1-HA-NF186-mCherry +WPRE (P16+P35)	36	Amp	L5

pcDNA3.1-CMV-HA-NF186-MycBirA*-mCherry	55	Amp	X16
Thy1-HA-NF186-MycBirA*-mCherry ΔWPRE	56	Amp	X16
pAAV-1.3CaMKII-NF186-mCherry ΔPP ΔEcoRI-AfeI	57	Amp	X16
CMV-HANF186-SalI-MycBirA*-NotI-mCherry ΔPP ΔEcoRI-AfeI	58	Amp	X16
Thy1-HA-NF186-mCherry ΔWPRE ΔEcoRI-AfeI	59	Amp	X16
pCX-hEno2-HA-NF186-MycBirA*	60	KA	X16
pCX-hEno2-HA-NF186-MycBirA*-mCherry	61	KA	X16
pCX-hEno2-HA-NF186-mCherry	62	KA	X16
pENTR11 ΔccdB CmR one EcoRI	63	KA	X16
Thy1-HA-NF186-MycBirA*-mCherry one EcoRI site	64	KA	X16
pCX-EcoRI-hEno2-HA-NF186-MycBirA*	65	KA	X16
pENTR11-hEno2-HA-NF186-MycBirA*	66	KA	X16
pAd/DEST-hEno2-HA-NF186-MycBirA*	67	KA	X16
pCX-EcoRI-hEno2-HA-NF186ΔFIGQY-MycBirA*	68	KA	X16
pENTR11-hEno2-HA-NF186ΔFIGQY-MycBirA*	69	KA	X16
pAd/DEST-hEno2-HA-NF186ΔFIGQY-MycBirA*	70	KA	X16
PX260 (pX260-U6-DR-BB-DR-Cbh-NLS-hSpCas9-NLS-H1-shorttracr-PGK-puro)Addgene I	71	Amp	X16
PX330 (pX330-U6-Chimeric_BB-CBh-hSpCas9)Addgene ID: 42230	72	Amp	X16

hSyn-HA-NF186-BlpI-MycBirA*-AgeI-pmCherry-1	37	KA	L5
Addgene 11606: pGL3 NSE promoter	38	Amp	X16
Addgene 32577: pENTR-L1-CAMKII(1.3)-L4	39	KA	X16
pAAV-hSyn-NF186-mCherry ΔPP Plus ΔAflIII recovered	40	Amp	X16
Thy1-HA-NF186-BlpI-MycBirA*-AgeI-pmCherry-1(36+37)	41	Amp	X16
pAAV-0.4CaMKII-NF186-mCherry ΔPP Plus ΔAflIII recovered	42	Amp	X16
pAAV-CMV-SalI-NF186-mCherry ΔPP	43	Amp	X16
pAAV-CMV-XhoI-NF186-mCherry ΔPP	44	Amp	X16
CMV-SalI-HA-NF186-BlpI-MycBirA*-AgeI-pmCherry-1	45	KA	X16
pAAV-1.3CaMKII-NF186-mCherry ΔPP Plus ΔAflIII recovered	46	Amp	X16
CMV-HA-NF186-SalI-MycBirA*-NotI-mCherry ΔPP ΔAflIII	47	Amp	X16
pAAV-hSyn-SalI-BirA*-mCherry ΔPsiI-PmlI ΔAflIII (inframe)	48	Amp	X16
Thy1-HA-NF186-BlpI-MycBirA*-AgeI-pmCherry-1 ΔWPRE	49	Amp	X16
pAAV-CMV-SalI-NF186-mCherry ΔPP ΔWPRE	50	Amp	X16
pAAV-CMV-MCS-BirA*-mCherry-WPRE dPP	51	Amp	X16
pCX-hEno2-HA-NF186-pmCherry-1	52	KA	X16
Thy1-HA-NF186-mCherry ΔWPRE	53	Amp	X16
pcDNA3.1-CMV-HA-NF186-MycBirA*	54	Amp	X16

pcDNA3.1-CMV-HA-NF186-MycBirA*-mCherry	55	Amp	X16
Thy1-HA-NF186-MycBirA*-mCherry ΔWPRE	56	Amp	X16
pAAV-1.3CaMKII-NF186-mCherry ΔPP ΔEcoRI-AfeI	57	Amp	X16
CMV-HANF186-SalI-MycBirA*-NotI-mCherry ΔPP ΔEcoRI-AfeI	58	Amp	X16
Thy1-HA-NF186-mCherry ΔWPRE ΔEcoRI-AfeI	59	Amp	X16
pCX-hEno2-HA-NF186-MycBirA*	60	KA	X16
pCX-hEno2-HA-NF186-MycBirA*-mCherry	61	KA	X16
pCX-hEno2-HA-NF186-mCherry	62	KA	X16
pENTR11 ΔccdB CmR one EcoRI	63	KA	X16
Thy1-HA-NF186-MycBirA*-mCherry one EcoRI site	64	KA	X16
pCX-EcoRI-hEno2-HA-NF186-MycBirA*	65	KA	X16
pENTR11-hEno2-HA-NF186-MycBirA*	66	KA	X16
pAd/DEST-hEno2-HA-NF186-MycBirA*	67	KA	X16
pCX-EcoRI-hEno2-HA-NF186ΔFIGQY-MycBirA*	68	KA	X16
pENTR11-hEno2-HA-NF186ΔFIGQY-MycBirA*	69	KA	X16
pAd/DEST-hEno2-HA-NF186ΔFIGQY-MycBirA*	70	KA	X16
PX260 (pX260-U6-DR-BB-DR-Cbh-NLS-hSpCas9-NLS-H1-shorttracr-PGK-puro)Addgene I	71	Amp	X16
PX330 (pX330-U6-Chimeric_BB-CBh-hSpCas9)Addgene ID: 42230	72	Amp	X16

PX334 (pX334-U6-DR-BB-DR-Cbh-NLS-hSpCas9n(D10A)-NLS-H1-shorttracr-PGK-puro)Ac	73	Amp	X16
PX335 (pX335-U6-Chimeric_BB-CBh-hSpCas9n(D10A)Addgene ID: 42335	74	Amp	X16
pGP-CMV-GCaMP6s www.addgene.org/40753/	75	KA	X16
ArcLight-Q239 www.addgene.org/36856/	76	Amp	X16
ArcLight-Q239 AgeI-Myc added upstream ArcLight to tag it	77	Amp	X16
pCX-CAG-HA-NF186-MycArcLight	78	Amp	X16
(pFTM3GW) LV PacI-Promoter:EF1α-GFP	79	Amp	X16
LV FCYiCW-Promoter:CMV-YFP(pFTM3GW)	80	Amp	X16
Δ8.9	81	Amp	X16
VSVg	82	Amp	X16
(pFTM3GW) EF1α-HA-NF186-Myc-BirA*-mCherry-WPRE	83	Amp	X16
(pFTM3GW) CMV-HA-NF186-Myc-BirA*-mCherry-WPRE	84	Amp	X16
(pFTM3GW) hEno2-HA-NF186-Myc-BirA*-mCherry-WPRE	85	Amp	X16
pAAV-hSyn-CD4Loop2-full-BirA-mCherry my Seq	86	Amp	X14
pAAV-hSyn-Navβ4-GFP	87	Amp	X14
pAAV-hEno2-CD4Loop2-full-BirA-mCherry my Seq	88	Amp	X14
CMV-RatSyn1-mCherry	89	Amp	X14
hEno2-RatSyn1-mCherry	90	Amp	X14

pAAV-hEno2-CD4Loop2-ΔG or ΔAIS-BirA-mCherry KJC seq	91	Amp	X14
pAAV-hEno2-CD4Loop2-full-BirA-mCherry KJC seq	92	Amp	X14
Linker 3 added to P65 at SalI site mutant (BirA* out of frame)	93	KA	X14
Linker 6 added to P65 at SalI site (BirA* out of frame)	94	KA	X14
Linker 24 added to P65 at SalI site (BirA* out of frame)	95	KA	X14
CMV-Myc-Marcks-pmCherry1	96	KA	X14
pCX-hEno2-HA-NF186-Myc-Marcks	97	KA	X14
CMV-HA-NF186ΔFIGQY-MycBirA*	98	KA	X14
Linker 6 and 3 added to P65 at SalI site (BirA* out of frame)	99	KA	X14
pAAV-hEno2-GFP- prLCA-Citrine	100	Amp	X14
prLCA-Citrine (Plasmid #40271)	101	KA	X14
L3 linker from GeneWiz	102	Amp	X14
L6 linker from GeneWiz	103	Amp	X14
L24 linker from GeneWiz	104	Amp	X14
Addgene 26124-CMV-ratSyGCaMP2	105	KA	X14
Addgene 45632-pCRII-Topo Ptn in situ probe	106	Amp	X14
MycMarcks from GeneWiz	107	Amp	X14
Linker 3 in P66	108	KA	X14

Linker 6 in P66	109	KA	X14
Linker 6&3 in P66	110	KA	X14
pENTR11-hEno2-HA-NF186-MycBirA* one SalI	111	KA	X14
pAd/DEST-hEno2-HA-NF186-L6-MycBirA*	112	Amp	X14
pAd/DEST-hEno2-HA-NF186-L6&3-MycBirA*	113	Amp	X14
Our rat 270kD AnkG-GFP construct_full sequence	114	Amp	X14
pENTR11-CMV-HA-NF186-Linker6-MycBirA*	115	KA	X14
pENTR11-CMV-HA-NF186-Linker6&3-MycBirA*	116	KA	X14
pENTR11-CMV-HA-NF186-Linker6-MycBirA* one SalI	117	KA	X14
pENTR11-CMV-HA-NF186-Linker6&3-MycBirA* one SalI	118	KA	X14
pcDNA3 APEX2-NES (Plasmid #49386)	119	Amp	X14
pCS3+MT-∑6 Myc-βIV Spectrin	120	KA	X14
pENTR11-hEno2-MycBirA*	121	KA	X14
pENTR11-hEno2-MycBirA*-HANDEL1-Ct-Δ	122	KA	X14
pENTR11-hEno2-CD4Loop2-Myc-BirA* OneSall RS	123	KA	X14
pENTR11-hEno2-SR14-15-Myc-BirA*	124	KA	X14
pUC57-Amp-HA-NDEL1-C-GENEWIZ	125	Amp	X14
PCDH8 (Myc-DDK-tagged)-Human protocadherin 8 (PCDH8), transcript variant 1	126	KA	X14

Mouse septin 3 (Sept3) (Myc-DDK-tagged)	127	KA	X14
Ndel1 (Myc-DDK-tagged) - Mouse nuclear distribution gene E-like homolog 1	128	KA	X14
Add2 (Myc-DDK-tagged) - Mouse adducin 2 (beta)	129	KA	X14
KLC1 (untagged)-Human kinesin light chain 1 (KLC1), transcript variant 1	130	Amp	X14
Rtn4 (Myc-DDK-tagged) - Mouse reticulon 4 (cDNA clone MGC:38204 IMAGE:5323152)	131	KA	X14
Vangl2 (Myc-DDK-tagged) - Mouse vang-like 2 (van gogh, Drosophila) (Vangl2)	132	KA	X14
Rufy3 (Myc-DDK-tagged) - Mouse RUN and FYVE domain containing 3 (Rufy3)	133	KA	X14
Coro1b (Myc-DDK-tagged) - Mouse coronin, actin binding protein 1B (Coro1b)	134	KA	X14
DBN1 (Myc-DDK-tagged)-Human drebrin 1 (DBN1), transcript variant 1	135	KA	X14
CNN3 (Myc-DDK-tagged)-Human calponin 3, acidic (CNN3)	136	KA	X14
Trim46 (Myc-DDK-tagged) - Mouse tripartite motif protein 46 (cDNA clone MGC:86021 I	137	KA	X14
Panx1 (Myc-DDK-tagged) - Mouse pannexin 1 (Panx1) MR206795	138	KA	
STMN1 (Myc-DDK-tagged)-Human stathmin 1 (STMN1), transcript variant 1 RC205073	139	KA	
P140-pENTR11-hEno2-NDEL1-ΔCt-Myc-BirA*	140	KA	X14
CMV-KLC1 (Myc-tagged)-Human kinesin light chain 1 (KLC1), transcript variant 1	141	KA	X14
pAd/DEST no promoter included from invitrogen	142	Amp	X14
pAd/DEST-hEno2-MycBirA*-HA-NDEL1-Ct-Δ	143	Amp	X14
pAd/DEST-hEno2-CD4Loop2-Myc-BirA*	144	Amp	X14

pAd/DEST-hEno2-SR14-15-Myc-BirA*	145	Amp	X14
pENTR11-hEno2-Trim46Ct-Myc-BirA*	146	KA	X14
pENTR11-hEno2-Myc-BirA*-Trim46Ct	147	KA	X14
Addgene 74223 myc-BioID2-MCS	148	Amp	X14
Addgene 74224 MCS-BioID2-HA	149	Amp	X14
pENTR11-hEno2-Myc-BirA* BstBI-KpnI Blunted (BKB)	150	KA	X14
pENTR11-CMV-Myc-BirA* BstBI-KpnI Blunted (BKB)	151	KA	X14
CMV-AnkB-GFP	152	KA	X14
pAd/DEST-hEno2-NDEL1-Ct-Δ-MycBirA*	153	Amp	X14
pAd/DEST-hEno2-Trim46Ct-Myc-BirA*	154	Amp	X14
pAd/DEST--hEno2-Myc-BirA*-Trim46Ct	155	Amp	X14
pENTR11-CMV-Myc-BirA* BstBI-KpnI Blunted (BKB)more blunting btw BamHI and HindIII	156	KA	X14
MR225282 41522 (Myc-DDK-tagged) - Mouse septin 5 (Sept5)	157	KA	X14
MR206812 41523 (Myc-DDK-tagged) - Mouse septin 6 (cDNA clone MGC:19033 IMAGE:4168214)	158	KA	X14
RC200231 FLOT1 (Myc-DDK-tagged)-Human flotillin 1 (FLOT1)	159	KA	X14
MR204902 Nudc (Myc-DDK-tagged) - Mouse nuclear distribution gene C homolog (Aspergillus)	160	KA	X14
MR206843-41528 (Myc-DDK-tagged) - Mouse septin 11 (Sept11)	161	KA	X14
Amer2 (Myc-DDK-tagged) - Mouse family with sequence similarity 123, member A (Fam1	162	KA	X14

B37159-1-RatSept7 in pUC57-Kan	163	KA	X14
CMV-AnkG-GFP 270KDa	164	KA	X14
CFL1 (Myc-DDK-tagged)-Human cofilin 1 (non-muscle) (CFL1) Origene RC203585	165	KA	X14
Rat septin 7 (Sept7) (Myc-DDK-tagged)	166	KA	X14
CMV-HA-AnkB-GFP by Tomo	167	KA	X14
CMV-HA-AnkG-GFP by Tomo	168	KA	X14
Fnbp1l (Myc-DDK-tagged) - Mouse formin binding protein 1-like (Fnbp1l), transcript varia	169	KA	X14
CMV-FLAG-AnkG-GFP by Tomo	170	KA	X14
HN1 (Myc-DDK-tagged)-Human hematological and neurological expressed 1 (HN1), trans	171	KA	X14
MAL2 (Myc-DDK-tagged)-Human mal, T-cell differentiation protein 2 (gene/pseudogene)	172	KA	X14
Mutated P166-CMV-Septin7-Myc-Flag	173	KA	X14
Mutagenesis of P158-MR206812-41523 (Myc-DDK-tagged)	174	KA	X14
P175-Mutagenesis of P161-MR206843-41528 (Myc-DDK-tagged) - Mouse septin 11 (Sep	175	KA	X14
P176- Mutagenesis of Mouse septin 3 (Sept3) P127	176	KA	X14
pENTR11-hSyn-Myc-BirA*-HA-NDEL1C	177	KA	X14
Mouse septin 8 (Sept8) (Myc-DDK-tagged) - MR206850	178	KA	X14
Human septin 9 (SEPT9), transcript variant 3 RC200264 (Myc-DDK-tagged)	179	KA	X14
Mouse septin 2 (Sept2), transcript variant 4 MR225545 (Myc-DDK-tagged)	180	KA	X14

Mutagenesis of (Myc-DDK-tagged) - Mouse septin 5 (Sept5)	181	KA	X15
pENTR11-hEno2-MycBirA*-MycBioID2	182	KA	X15
pENTR11-hEno2-MeCP2-MycBioID2	183	KA	X15
pENTR11-hEno2-MeCP2 R111G-MycBioID2	184	KA	X15
pENTR11-hEno2-MeCP2delta-NLS-MycBioID2	185	KA	X15
BuildVector P122 (mutated)	186	KA	X15
PLPBL-1-hEno2-MeCP2-MycBioID2	187	Amp	X15
PLPBL-1-hEno2-MeCP2 R111G-MycBioID2	188	Amp	X15
PLPBL-1-hEno2-MeCP2delta-NLS-MycBioID2	189	Amp	X15
pENTR11-hEno2-Myc-BioID2-HA-NDEL1C	190	KA	X15
pENTR11-hEno2-Myc-BioID2-HA-NDEL1C-BioID2-HA	191	KA	X15
pENTR11-hEno2-Myc-BioID2-Trim46C-BioID2-HA	192	KA	X15
PLPBL-1-hEno2-Myc-BioID2	193	Amp	X15
pEGFP-N1-CMV-AnkG480KD-GFP	194	KA	X15
P889-pdelta28E4LacZ-2-hEno2-MeCP2-BioID2-Forward Copy P183>P187	195	KA	X15
P889-pdelta28E4LacZ-2-hEno2-MeCP2(R111G)-BioID2-Forward Copy P184>188	196	KA	X15
P889-pdelta28E4LacZ-2-hEno2-MeCP2(dNLS)-BioID2-Forward Copy P185>189	197	KA	X15
P889-pdelta28E4LacZ-2-hEno2-BioID2-Forward Copy	198	KA	X15

pENTR11-hEno2- hCD4-hKv7.3 (614-872)	199	KA	X15
pENTR11-hEno2- hCD4-hKv7.3 CC2 (651-872)	200	KA	X15
PLPBL-1-hEno2-Myc-BioID2-HA-NDEL1C	201	Amp	X15
PLPBL-1-hEno2-Myc-BioID2-HA-NDEL1C-BioID2-HA	202	Amp	X15
PLPBL-1-hEno2-Myc-BioID2-Trim46C-BioID2-HA	203	Amp	X15
P889-pdelta28E4LacZ-2-hEno2-Myc-BioID2-HA-NDEL1C	204	KA	X15
P889-pdelta28E4LacZ-2-hEno2-Myc-BioID2-HA-NDEL1C-BioID2-HA	205	KA	X15
P889-pdelta28E4LacZ-2-hEno2-Myc-BioID2-Trim46C-BioID2-HA	206	KA	X15
pENTR11-hEno2- hCD4-hKv7.3-CC2-BioID2 (614-872)	207	KA	X15
pENTR11-hEno2- hCD4-hKv7.3 deltaCC2-BioID2 (651-872)	208	KA	X15
pENTR11-hEno2- hCD4-hKv7.3-CC2-3rd-BioID2 (614-872)	209	KA	X15
pENTR11-hEno2- hCD4-hKv7.3 deltaCC2-3rd-BioID2 (651-872)	210	KA	X15
FGF12 (Myc-DDK-tagged)-Human fibroblast growth factor 12 (FGF12), transcript variant 1	211	KA	X15
P212-PLPBL-1-hEno2-ASAP2-HA-NDEL1C	212	Amp	X15
PLPBL-1-hEno2- hCD4-hKv7.3-CC2-3rd-BioID2 (614-872)	213	Amp	X15
PLPBL-1-hEno2- hCD4-hKv7.3 deltaCC2-3rd-BioID2 (651-872)	214	Amp	X15
P889-pdelta28E4LacZ-2-hEno2- hCD4-hKv7.3-CC2-3rd-BioID2 (651-872)	215	KA	X15
U2af2 (Myc-DDK-tagged) - Mouse U2 small nuclear ribonucleoprotein auxiliary factor (U2	216	KA	X15

AHNAK (Myc-DDK-tagged)-Human AHNAK nucleoprotein (AHNAK), transcript variant 2	217	KA	X15
Atxn10 (Myc-DDK-tagged) - Mouse ataxin 10 (Atxn10)	218	KA	X15
NCKAP1 (Myc-DDK-tagged)-Human NCK-associated protein 1 (NCKAP1), transcript varia	219	KA	X15
NDE1 (Myc-DDK-tagged)-Human nudE nuclear distribution gene E homolog 1 (A. nidular	220	KA	X15
Nde1 (Myc-DDK-tagged) - Mouse nuclear distribution gene E homolog 1 (A nidulans) (No	221	KA	X15
Fscn1 (Myc-DDK-tagged) - Mouse fascin homolog 1, actin bundling protein (Strongyloce	222	KA	X15
PLPBL-1-hEno2-Myc-BioID2-HA-NDEL1C one HindIII by Blunting SalI-EcoRI	223	Amp	X15
P224-PLPBL-1-hEno2-Myc-BioID2-HA-NF186	224	Amp	X15
P225-PLPBL-1-hEno2-Myc-BioID2-HA-NF186deltaFIGQY	225	Amp	X15
Klc2 (Myc-DDK-tagged) - Mouse kinesin light chain 2 (Klc2)	226	KA	X15
Klc3 (Myc-DDK-tagged) - Mouse kinesin light chain 3 (Klc3)	227	KA	X15
DCD (Myc-DDK-tagged)-Human dermcidin (DCD)	228	KA	X15
Prune (Myc-DDK-tagged) - Mouse prune homolog (Drosophila)	229	KA	X15
PRUNE2 (Myc-DDK-tagged)-Human prune homolog 2 (Drosophila) (PRUNE2), transcript v	230	KA	X15
Pafah1b1 (Myc-DDK-tagged) - Mouse platelet-activating factor acetylhydrolase, isoform 1	231	KA	X15
PAFAH1B2 (Myc-DDK-tagged)-Human platelet-activating factor acetylhydrolase 1b, catal	232	KA	X15
PAFAH1B3 (Myc-DDK-tagged)-Human platelet-activating factor acetylhydrolase 1b, catal	233	KA	X15
P234-PLPBL-1-hEno2-HANF186-MycBioID	234	Amp	X15

P235-PLPBL-1-hEno2-HANF186FIGQY-MycBioID	235	Amp	X15
P236-PLPBL-1-hEno2-6xMycSR14-15-MycBioID	236	Amp	X15
P237-PLPBL-1-hEno2-NDEL1-Ct-MycBioID	237	Amp	X15
P238-PLPBL-1-hEno2-Trim46Ct-MycBioID	238	Amp	X15
P239-PLPBL-1-hEno2-MycBioID	239	Amp	X15
P240-PLPBL-1-hEno2- hCD4-hKv7.3-CC2BioID	240	Amp	X15
P241-PLPBL-1-hEno2- hCD4-hKv7.3-CC2-ABD-BioID	241	Amp	X15
P242-PLPBL-1-hEno2- hCD4-hKv7.3-CC2-DeltaABD-BioID	242	Amp	X15
P243-pdelta28E4LacZ-2- hEno2-HANF186-MycBioID C7	243	KA	X15
P244-pdelta28E4LacZ-2-hEno2-HANF186FIGQY-MycBioID C7	244	KA	X15
P245-pdelta28E4LacZ-2- hEno2-6xMycSR14-15-MycBioID C7	245	KA	X15
P246-pdelta28E4LacZ-2- hEno2-NDEL1-Ct-MycBioID	246	KA	X15
P247-pdelta28E4LacZ-2- hEno2-Trim46Ct-MycBioID	247	KA	X15
P248-pdelta28E4LacZ-2- hEno2-BioID	248	KA	X15
P249-pdelta28E4LacZ-2- hEno2-hCD4-hKv7.3-CC2BioID	249	KA	X15
P250-pdelta28E4LacZ-2- hEno2-hCD4-hKv7.3-CC2-DeltaABD-BioID	250	KA	X15
P251-pdelta28E4LacZ-2- hEno2-hCD4-hKv7.3-DeltaCC2-DeltaABD-BioID	251	KA	X15
P252-pENTR11-hEno2-FGF12MycFLAG	252	KA	X15

P253-pENTR11-hEno2-HOOK1-MycFLAG	253	KA	X15
P254-PLPBL-1-hEno2- FGF12-BioID	254	Amp	X15
P255-PLPBL-1-hEno2- hCD4-hKv7.3-DeltaCC2-DeltaABD-BioID	255	Amp	X15
P256-PLPBL-1-delltahEno2-NDEL1-Ct-MycBioID	256	Amp	X15
P257-PLPBL-1-hEno2-Hook1-BioID	257	Amp	X15
P258-pENTR11-hEno2-Ccsap-MycFLAG	258	KA	X15
P259-pENTR11-hEno2-Sept6-MycFLAG	259	KA	X15
P260-PLPBL-1-hEno2- hCD4-hKv7.3-CC2-ABD-BioID	260	Amp	X15
P261-PLPBL-1-hEno2- hCD4-hKv7.3-CC2-ABD	261	Amp	X15
P262-pENTR11-hEno2- ASAP2-hKv7.3	262	KA	X15
P263-PLPBL-1-hEno2-BioID-hCD4-hKv7.3-CC2-ABD	263	Amp	X15
P264-PLPBL-1-hEno2- FGF12 transcript variant 2-BioID mutant	264	Amp	X15
P265-pCX-EcoRI-hEno2-HA-NF186-BioID2	265	KA	X15
P266-pdelta28E4LacZ-2-hEno2- FGF12-BioID C7	266	KA	X15
P267-pdelta28E4LacZ-2-PLPBL-1-hEno2- hCD4-hKv7.3-DeltaCC2-DeltaABD-BioID C7	267	KA	X15
P268-PLPBL1-hEno2-HANF186-MycBioID2	268	Amp	X15
P269-pdelta28E4LacZ-2-hEno2-HANF186-MycBioID2	269	KA	X15
P270-PLPBL-1-BluntedMCS-hEno2-MycBioID	270	Amp	X15

P271-pdelta28E4LacZ-2-hEno2-FGF12-BioID1 (Myc-DDK-tagged)-Human fibroblast grov	271	KA	X15
P272-PLPBL-1-hEno2- FGF12 transcript variant 2-BioID	272	KA	X15
PLPBL-1 (Blunted MCS) - hEno2 - ASAP2 + Linker + NF186 (intracellular)	273	Amp	X15
P274-PGFPN1-CAG-AnkG480-GFP	274	KA	X15
P275 - Mutated Rat septin 5 (Sept5) (Myc-DDK-tagged) for deletion	275	KA	X15
P276 - Mutated Rat Septin 6 (Myc-DDK-tagged) – for deletion	276	KA	X15
P277- Mutated Rat septin 5 DeltaN (Flag-tagged)	277	KA	X15
P278- Mutated Rat septin 5 N terminal (Flag-tagged)	278	KA	X15
P279 - Mutated Rat Septin 6 N Terminal (Flag-tagged)	279	KA	X15
P280 - Mutated Rat Septin 6 DeltaN (Flag-tagged)	280	KA	X13
P281- EB1 Mapre1 (NM_007896) Mouse Tagged ORF Clone CAT# MR203552	281	KA	X13
P282- EB2 (MAPRE2) (NM_014268) Human Tagged ORF Clone CAT# RC200259	282	KA	X13
P283- Eb3 Mapre3 (NM_133350) Mouse Tagged ORF Clone CAT# MR203812	283	KA	X13
284- Akap2 (BC003735) Mouse Tagged ORF Clone CAT# MR210725	284	KA	X13
285- Palm2 (NM_172868) Mouse Tagged ORF Clone CAT# MR217161	285	KA	X13
P286- Ccser2 (NM_027045) Mouse Tagged ORF Clone CAT# MR212740	286	KA	X13
P287- Addgene 50708 EB3-tdTomato	287	KA	X13
P288- Addgene 17234 pGFP-EB1	288	KA	X13

P289- Addgene 39323 human EB1 fused to monomeric RFP	289	KA	X13
P290- pCMV6-AC-GFP Tagged Cloning Vector PS100010	290	Amp	X13
P291- pCMV6-Sept5-GFP	291	Amp	X13
P292-pCMV6-Entry-CMV-RatSerca2-Myc-Flag	292	KA	X13
P293-pSuper-Retro-GFP-Sept6 shRNA	293	Amp	X13
P294-CMV-ANKR-GFP	294	KA	X13
P295 -pCMV6 - Mouse N Sept5-3xMyc3xHA	295	KA	X13
P296-pCMV6 - Mouse N Sept6-3xMyc3xHA	296	KA	X13
P297-pCMV6 - Mouse C Sept6-3xMyc3xHA	297	KA	X13
P298 -pCMV6 - Mouse C Sept5-3xMyc3xHA	298	KA	X13
P299- pCMV6-Sept6-GFP	299	KA	X13
pENTR11-shRNA-AnkG	300	KA	X13
P301 - pEX-N-His Tagged Cloning Vector CAT# PS100030	301	Chloramph	X13
P302 - pRFP-C-RS shRNA Vector CAT# TR30014	302	KA	X13
P303 - pGFP-V-RS shRNA Vector CAT# TR30007	303	KA	X13
P304-pSuper-Retro-GFP- shRNA Luciferase	304	Amp	X13
P305 - pGFP-V-RS shRNA Septin5 No resistant mutant of Sept5	305	KA	X13
P306 - pGFP-V-RS shRNA Septin6 No resistant mutant of Sept6	306	KA	X13

P307 - pGFP-V-RS shRNA Septin5 + P181 resistant mutant of Sept5	307	KA	X13
P308 - pGFP-V-RS shRNA Septin6 + P174 resistant mutant of Sept6	308	KA	X13
P309 - pAAV-hSyn-CAST-GFP	309	Amp	X13
P310 - Methionine Sulfoxide Reductase B(MSRB1) (NM_016332) Human Tagged ORF Cl	310	KA	X13
P311 - Msrb1 (NM_013759) Mouse Tagged ORF Clone CAT# MR227394	311	KA	X13
P312 – Human MSRB1-TagRFP-C1	312	KA	X13
P314 - pSuper-Retro-shRNA#1 Mical3	314	Amp	X13
P315 - pSuper-Retro-shRNA#2 Mical3	315	Amp	X13

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