Table S2. SUPPLEMENTARY KEY RESOURCE TABLE

Reagent or resource	Source	Identifier
Antibodies		
Acetylated Tubulin	Sigma Aldrich	T6793: RRID: AB_477585
Gamma-tubulin	Sigma Aldrich	T5192; RRID: AB_261690
Anti-GFP (Chicken)	GeneTex	GTX13970: AB_371416
Anti-GFP (Rabbit)	Molecular Probes	A-11122: AB_221569
Anti-Flag (Mouse)	Sigma-Aldrich	F3165-.2MG
Anti-Flag (Rabbit)	Sigma	F7425
Myosin 5a	Novus Biologicals	NBP1-92156
Alexa Fluor Anti-Rabbit 488	Life Technologies	A21206; RRID: AB_2535792
Alexa Fluor Anti-Rabbit 568	Life Technologies	A10042; RRID: AB_2534017
Alexa Fluor Anti-Rabbit 647	Life Technologies	A31573; RRID: AB_2536183
DyLight 405-AffiniPure Donkey Anti-Mouse IgG (H+L)	Jackson ImmunoResearch	715-475-150
Alexa Fluor Anti-Mouse 488	Life Technologies	A21202; RRID: AB_141607
Alexa Fluor Anti-Mouse 568	Life Technologies	A10037; RRID: AB_2534013
Alexa Fluor Anti-Mouse 647	Life Technologies	A31571; RRID: AB_162542
Chemicals, Peptides, and Recombinant Proteins		
DAPI	Sigma Aldrich	D9542-10mg
Alexa Fluor 647 Phalloidin	Cell Signaling Technology	8940S
Agarose	Thermo Fischer	16520100

BSA	Fisher Scientific	BP1600-100
BIO BASIC Maxi Prep Kit	BIO BASIC	9K-0060023
Dimethylsulphoxide	Fisher Scientific	BP231-100
Paraformaldehyde	Fisher Scientific	O4042-500
Phosphate Buffered Saline	Fisher Scientific	10010023
Life Technologies Prolong Diamond Antifade mount with DAPI	Fisher Scientific	P36971
35 mm Dish| No.1.5. coverslip| 20 mm Glass Diameter	MatTek Corporation	P35G-1.5-20-C
Molecular Probes Prolong Gold Antifade mount	Fisher Scientific	P36934
Triton X-100	Fisher Scientific	BP151500
Tween 20	ThermoFischer	BP337500
Sodium Chloride	Fisher Scientific	BP358
NEBuilder HiFi DNA assembly Cloning Kit	New England BioLabs	E5520S

mMESSAGE mMACHINETMSP6	Invitrogen	AM1340
OneTaq One-Step RT-PCR Kit	New England Biolabs	E5315S
Experimental models, organisms and strains		
Zebrafish	Zebrafish International Resource Center	AB-Wildtype
Zebrafish	Zebrafish International Resource Center	Tg (Sox17:DsRed)
Zebrafish	(Dasgupta and Amack, 2016)	Tg (sox17:GFP-CAAX)sny101
Zebrafish	(Navis et al., 2013)	TgBAC(cftr-GFP)
Zebrafish	(Levic et al., 2020)	TgKIeGFP-Rab11a
Zebrafish	Zebrafish International Resource Center	Tg(sox17:GFP)
Zebrafish	Megason Lab	βactin:EMTB-3xGFP; cmlc2:GFP
mRNA and Morpholinos		
CRY2	(Rathbun et al., 2020)	Plasmid: pCS2-CRY2; Addgene Plasmid #140572
CIB1-mCherry-Rab11a	(Rathbun et al., 2020)	Plasmid: pCS2-CIB1-mCherry-Rab11a; Addgene Plasmid #140573
CIB1-mCherry-Rab8a	This paper	Plasmid: pCS2-CIB1-mCherry-Rab8a
CIB1-mRuby-Rab35	This paper	Plasmid: pCS2-CIB1-mRuby-Rab35

FLAG-Rab8	This paper	Plasmid: pCS2-FLAG-Rab8
FLAG-Rab11	This paper	Plasmid: pCS2-FLAG-Rab11
mRuby-Rab8a	This paper	Plasmid: pCS2-mRuby-Rab8a
mCherry-Rab11	This paper	Plasmid: pCS2- mCherry-Ra11
mRuby-Rab35	This paper	Plasmid: pCS2- mRuby-Rab35
Lifeact-mRuby	This paper	Plasmid: pCS2-Lifeact-mRuby
Arl13b-mCardinal	This paper	Plasmid: pCS2- Arl13b-mCardinal
Morpholinos		
Control MO	vivo standard control morpholinos	Gene Tools
Rab8 MO	(Omori *et al.*, 2008; Lu *et al.*, 2015)	GAAGACATAAATACCTATCGTCGAG
Rab11 MO	(Westlake *et al.*, 2011)	GTATTCGTCGTCTCGTGTCCCCAT
Rab35 MO	(Kuhns *et al.*, 2019)	TGCAGCTTCACGCCTCTCTCCAGCA
Software and algorithms		
ImageJ/FIJI	NIH and Laboratory for Optical and Computational Instrumentation	https://imagej.net/Fiji
IMARIS, Bitplane	Oxford Instruments	https://imaris.oxinst.com/

PRISM9	GraphPad	https://www.graphpad.com/scientific-software/prism/
LAS-X Software	Leica Microsystems	https://www.leica-microsystems.com/products/microscope-software/p/leica-las-x-ls/
VisiView	Visitron	https://www.visitron.de/products/visiviewr-software.html