

Key resources table

REAGENT or RESOURCE	SOURCE	IDENTIFIER
Antibodies		
Acetylated Tubulin	Sigma Aldrich	T6793; RRID: AB_477585
Anti-GFP (Chicken)	GeneTex	GTX13970; AB_371416
Anti-GFP (Rabbit)	Molecular Probes	A-11122; AB_221569
Anti-PH3 (Rabbit)	Cell Signaling Technology	9701S
Anti-BrdU (Mouse)	Sigma-Aldrich	11170376001; BMC9318
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-Chicken 488	Fisher scientific	A11039
Alexa Fluor Anti-Mouse 568	Life Technologies	A10037; RRID: AB_2534013
Alexa Fluor Anti-Mouse 647	Life Technologies	A31571; RRID: AB_162542
Alexa Fluor® 647 Phalloidin	Cell Signaling Technology	8940S
Bacterial and virus strains		
N/A		
Biological samples		
N/A		
Chemicals, peptides, and recombinant proteins		
DAPI	Sigma Aldrich	D9542-10mg
Agarose	Thermo Fisher	16520100
BSA	Fisher Scientific	BP1600-100
Dimethylsulphoxide	Fisher Scientific	BP231-100
Paraformaldehyde	Fisher Scientific	O4042-500
Phosphate Buffered Saline	Fisher Scientific	10010023
Triton X-100	Fisher Scientific	BP151500
Tween 20	Thermo Fisher	BP337500
Sodium Chloride	Fisher Scientific	BP358
5-Bromo-2'-deoxyuridine, ≥99% (HPLC)	Sigma-Aldrich	Product Number : B5002 CAS-No. : 59-14-3
XAV939	Sigma-Aldrich	Product Number : X3004 CAS-No. : 284028-89-3
Infigratinib	MedChem Express	Catalog No. : HY-13311 CAS No. : 872511-34-7

Cyclopamine	Sigma-Aldrich	Product Number : PHL82510 CAS-No. : 4449-51-8
Critical commercial assays		
BIO BASIC Maxi Prep Kit	BIO BASIC	9K-0060023
NEBuilder HiFi DNA assembly Cloning Kit	New England BioLabs	E5520S
mMESSAGE mMACHINETMSP6	Invitrogen	AM1340
Deposited data		
N/A		
Experimental models: Cell lines		
N/A		
Experimental models: Organisms/strains		
Zebrafish	Zebrafish International Resource Center	AB-Wildtype
Zebrafish	Heidi Hehnly Lab	Sox17:GFP-CAAX; h2afx:h2afv-mCherry
Zebrafish	Jeffrey Amack Lab	Tg (sox17:GFP-CAAX)sny101
Zebrafish	Li-En Jao Lab	PCNT (-/-)
Zebrafish	Zebrafish International Resource Center	Tg(sox17:GFP)
Zebrafish	Heidi Hehnly lab	Tg(sox17:EMTB-3xGFP)
Zebrafish	Heidi Hehnly lab	sox17:GFP-CAAX;PCNT(-/-)
Zebrafish	Heidi Hehnly lab Michel Bagnat lab	Sox17:GFP-CAAX; Tjp1atdTomato
Oligonucleotides		
H2B-Dendra (mRNA)	Heidi Hehnly lab	Plasmid: pCS2-H2B-Dendra
Lifeact-mRuby (mRNA)	Heidi Hehnly lab	Plasmid: pCS2-Lifeact-mRuby
mKate-MKLP1 (mRNA)	Heidi Hehnly lab	Plasmid: pCS2-mKate-MKLP1
Recombinant DNA		
Plasmid: pCS2-H2B-Dendra	Addgene	Plasmid #140559
Plasmid: pCS2-Lifeact-mRuby	Addgene	Plasmid #194339
Plasmid: pCS2-mKate-MKLP1	Addgene	Plasmid #140570
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
Other		
N/A		