

Key Resources Table

REAGENT or RESOURCE	SOURCE	IDENTIFIER
Antibodies		
TSLPR-APC	Invitrogen	Cat#17-5499-41
IgG2a-APC	Invitrogen	Cat#17-4724-81
IgG2a-PE	BD	Cat#556653
IgG1-APC	BD	Cat#551019
pSTAT5-PE	BD	Cat#612567
pERK-PE	BD	Cat#665426
pS6 kinase	Cell Signaling Technologies	Cat#665426
pAKT	BD	Cat#560378
H3K9ac	Cell Signaling Technologies	Cat#4484
H3K27me3	Cell Signaling Technologies	Cat#12158
Bacterial and Virus Strains		
FuCas9mCherry	Addgene	Cat#70182
FgH1tUTG	Addgene	Cat#70183
pMD2.G	Addgene	Cat#12259
pMDL-PRRE	Addgene	Cat#12251
pRSV-REV	Addgene	Cat#12253
pMImCII HMGN1	This paper	
Chemicals, Peptides, and Recombinant Proteins		
Doxycycline Hyclate	Sigma-Aldrich	Cat#D9891
Esp3I	New England Biolabs	Cat#R0734L
rSAP	New England Biolabs	Cat#M0371L
T4 PNK	New England Biolabs	Cat#M0201L
T4 Ligase	New England Biolabs	Cat#M0204L
Lipofectamine 2000	Invitrogen	Cat#11668-019
Polybrene	Merck	Cat#TR-1003-G
TRIzol	Invitrogen	Cat#15596026
T7 endonuclease	New England Biolabs	Cat#M0263L
Critical Commercial Assays		
CellTiter Glo 2.0	Promega	Cat#G9243
SYBR Green	Qiagen	Cat#330503
PCR Phusion Kit	New England Biolabs	Cat#E0553L
Quantitect Reverse Transcriptase	Qiagen	Cat#205313
QIAquick Gel extraction kit	Qiagen	Cat#28706
Experimental Models: Cell Lines		
Jurkat cells	ATCC	(ATCC® TIB-152™)
HEK293T cells	ATCC	(ATCC® CRL-11268™)
Experimental Models: Organisms/Strains		
DH5 α	New England Biolabs	Cat#12297016

Oligonucleotides		
<i>P2RY8</i> intron gRNA 5' -CGTGTACGGTGAGAACATGG- 3'	This Paper	N/A
Pre- <i>CRLF2</i> gRNA 5' -GTGCGTGGCAGTCCTGATCC- 3'	This Paper	N/A
<i>CRLF2</i> UTR gRNA 5' -CTGTTTCGTTGTAGGTCCCTG- 3'	This Paper	N/A
<i>CRLF2</i> qPCR F 5' -TGGATCACAGACACCCAGAA- 3'	This Paper	N/A
<i>CRLF2</i> qPCR R 5' -TCTTGGCCAACTGGACTACC- 3'	This Paper	N/A
<i>HMGN1</i> qPCR F 5' -TGCAAAACAAAAGGGAAAAGG- 3'	This Paper	N/A
<i>HMGN1</i> qPCR R 5' -CATCAGAGGCTGGACTCTCC- 3'	This Paper	N/A
<i>P2RY8</i> seq 5' -AAGCGTTGCATCCTGTTACCTGG- 3'	This Paper	N/A
<i>CRLF2</i> seq 5' -GCCTCCCAGCAGAAAGACGG- 3'	This Paper	N/A
<i>VEGFA</i> qPCR F 5' -AGCACAGCAGATGTGAATGC- 3'	This Paper	N/A
<i>VEGFA</i> qPCR R 5' -TTTCTTGCGCTTTTCGTTTTT- 3'	This Paper	N/A
<i>BCL2</i> qPCR F 5' -AAGCTGTACAGAGGGGCTA- 3'	This Paper	N/A
<i>BCL2</i> qPCR R 5' -CAGGCTGGAAGGAGAAGATG- 3'	This Paper	N/A
<i>MCL1</i> qPCR F 5' -GCTCCGGAACTGGACATTA- 3'	This Paper	N/A
<i>MCL1</i> qPCR R 5' -CCCAGTTTGTACGCCATCT- 3'	This Paper	N/A
<i>MYC</i> qPCR F 5' -CCAGATCCCTGAATTGGAAA- 3'	This Paper	N/A
<i>MYC</i> qPCR R 5' -TCGTCTGCTTGAATGGACAG- 3'	This Paper	N/A
<i>GATA3</i> qPCR F 5' -CTTATCAAGCCCAAGCGAAG- 3'	This Paper	N/A
<i>GATA3</i> qPCR R 5' -CATTAGCGTTCCTCCTCCAG- 3'	This Paper	N/A
<i>CDKN1A</i> qPCR F 5' -CGGTGGAACCTTTGACTTCGT- 3'	This Paper	N/A
<i>CDKN1A</i> qPCR R 5' -CAGGGCAGAGGAAGTACTGG- 3'	This Paper	N/A
<i>SOCS1</i> qPCR F 5' -CCTCCTCGTCCTCGTCTTC- 3'	This Paper	N/A
<i>SOCS1</i> qPCR R 5' -AAGGTGCGGAAGTGAGTGTC- 3'	This Paper	N/A
Software and Algorithms		
Prism version 8.4.0	GraphPad	https://www.graphpad.com
FlowJo	FlowJo, LLC	https://www.flowjo.com/solutions/
Benchling	Biology Software, 2019	https://benchling.com