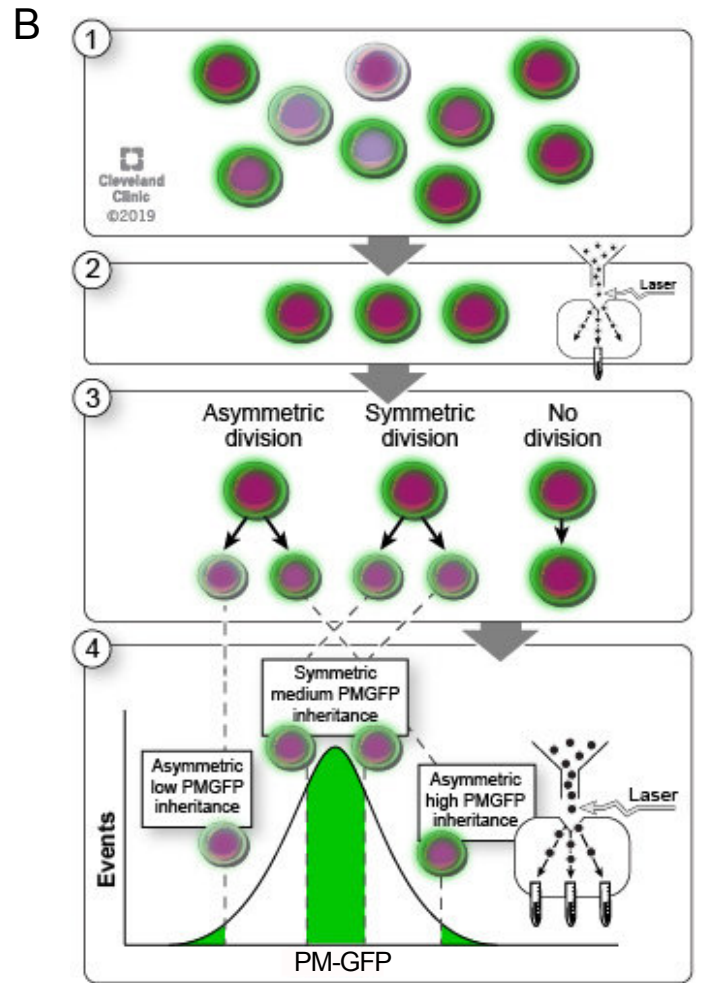
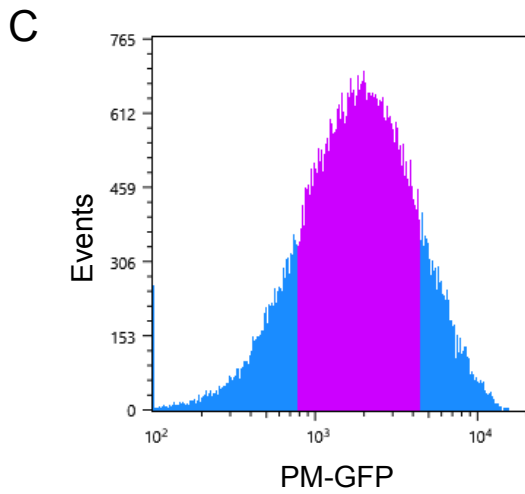
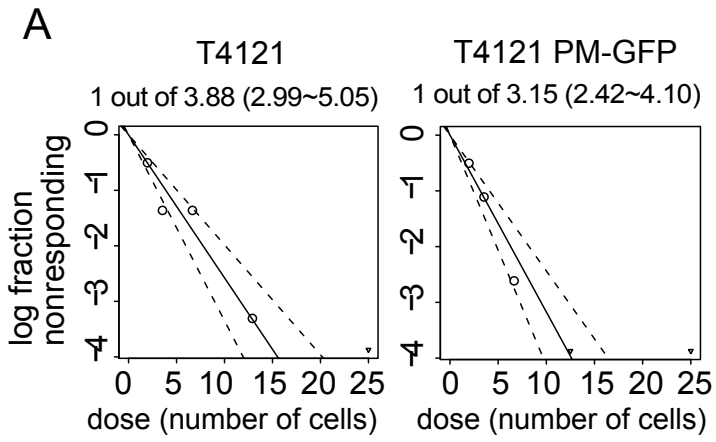
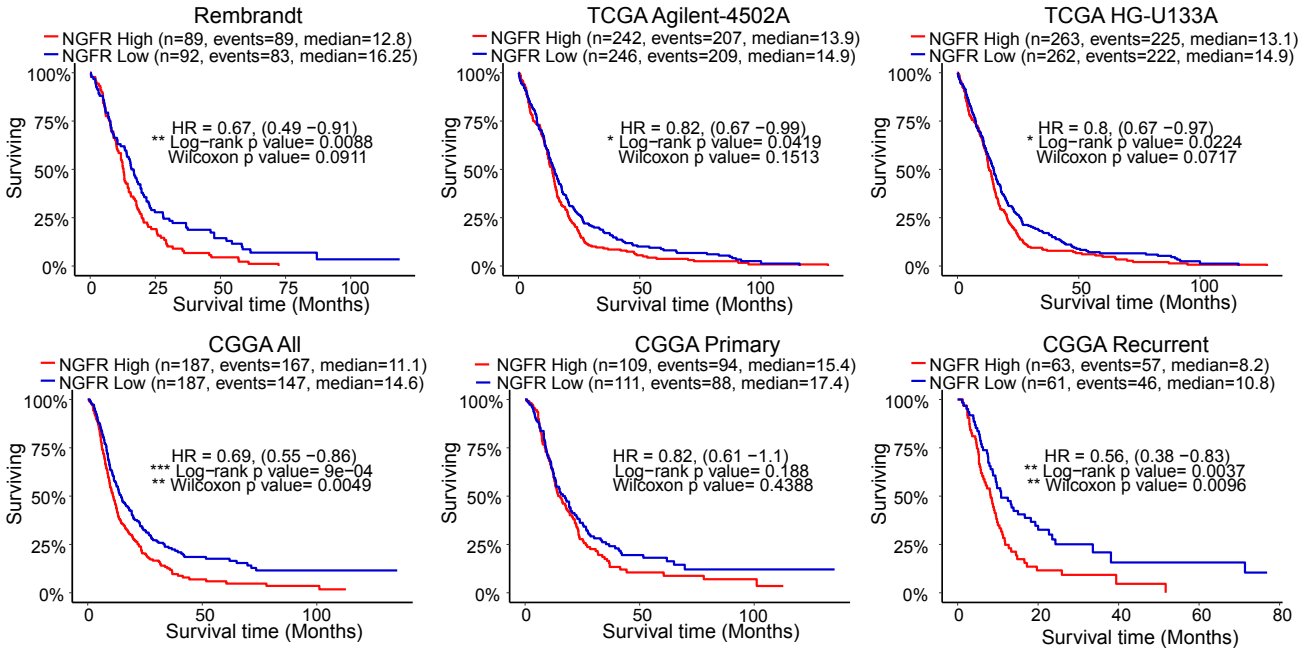


Supplemental figure 1

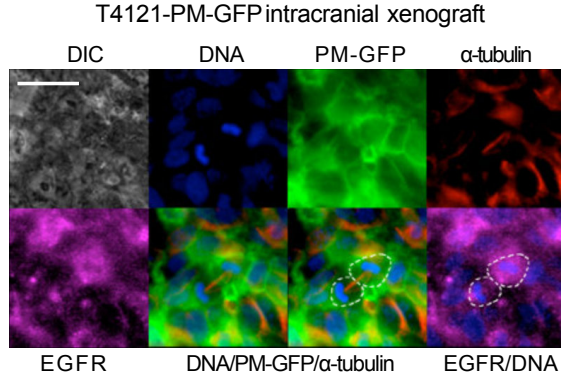


Supplemental figure 2

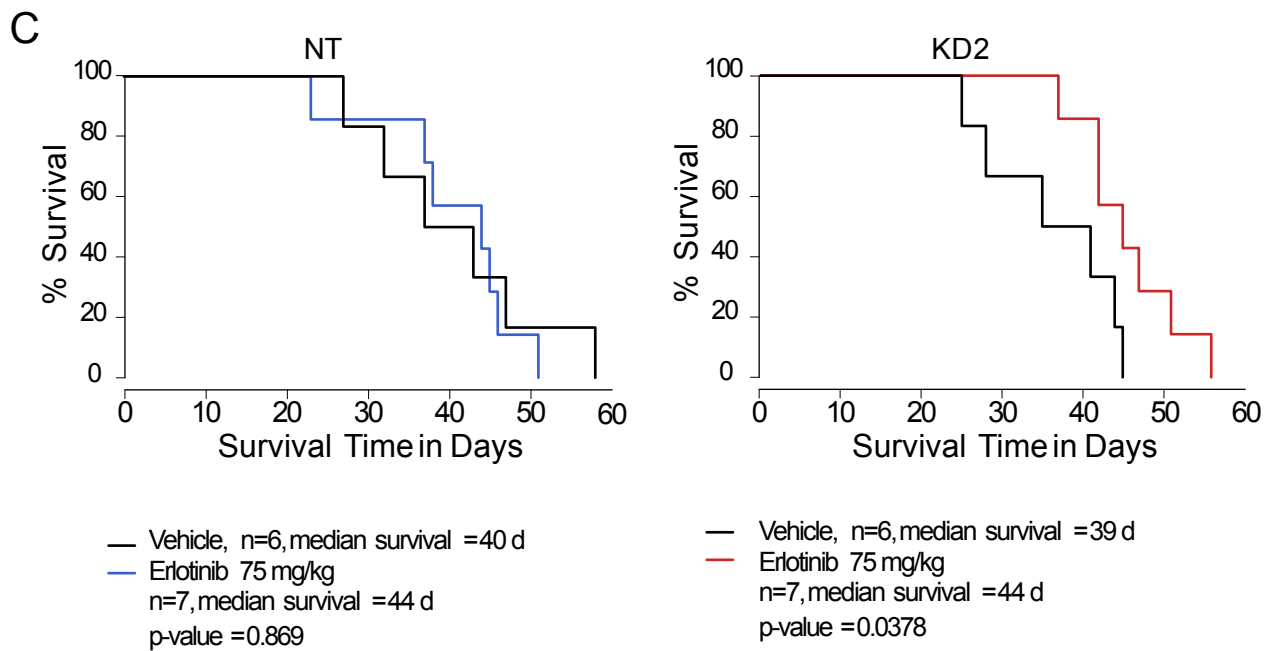
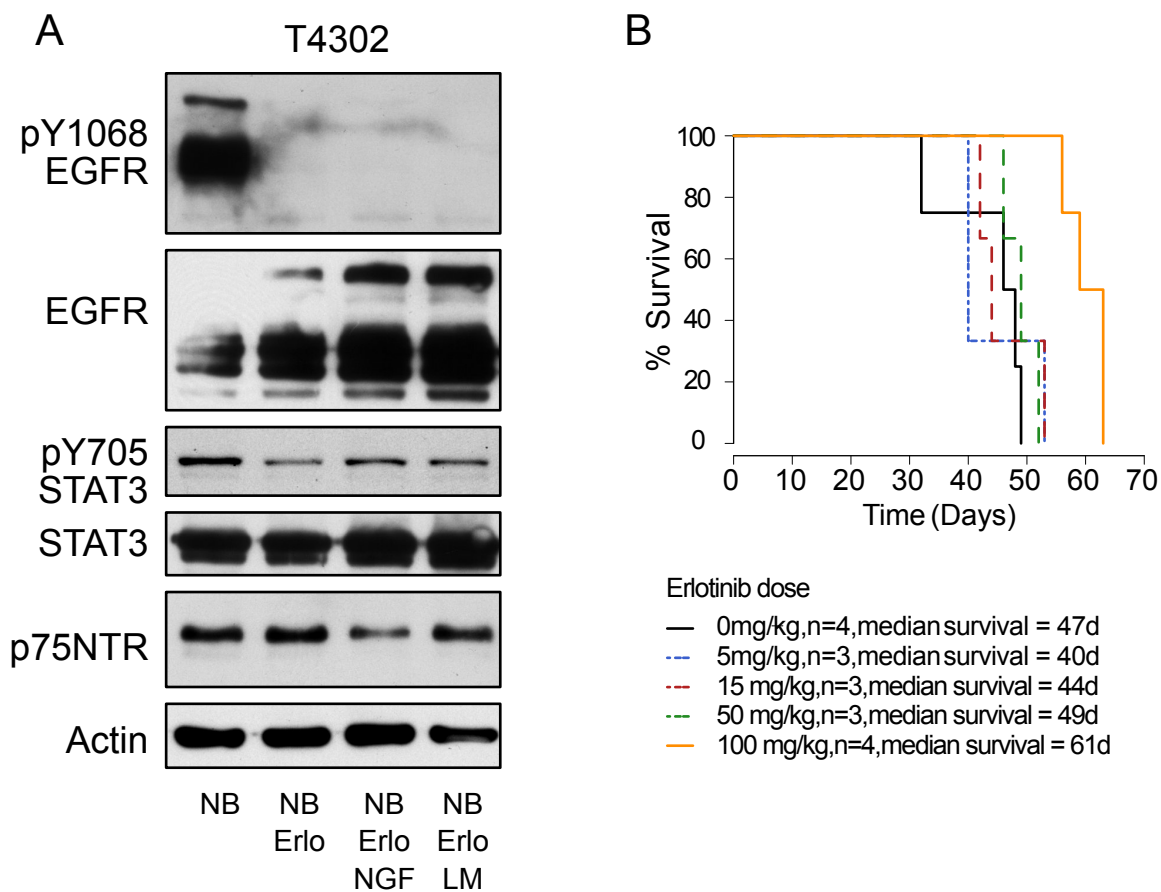
A



B



Supplemental figure 3



Supplemental figure 4

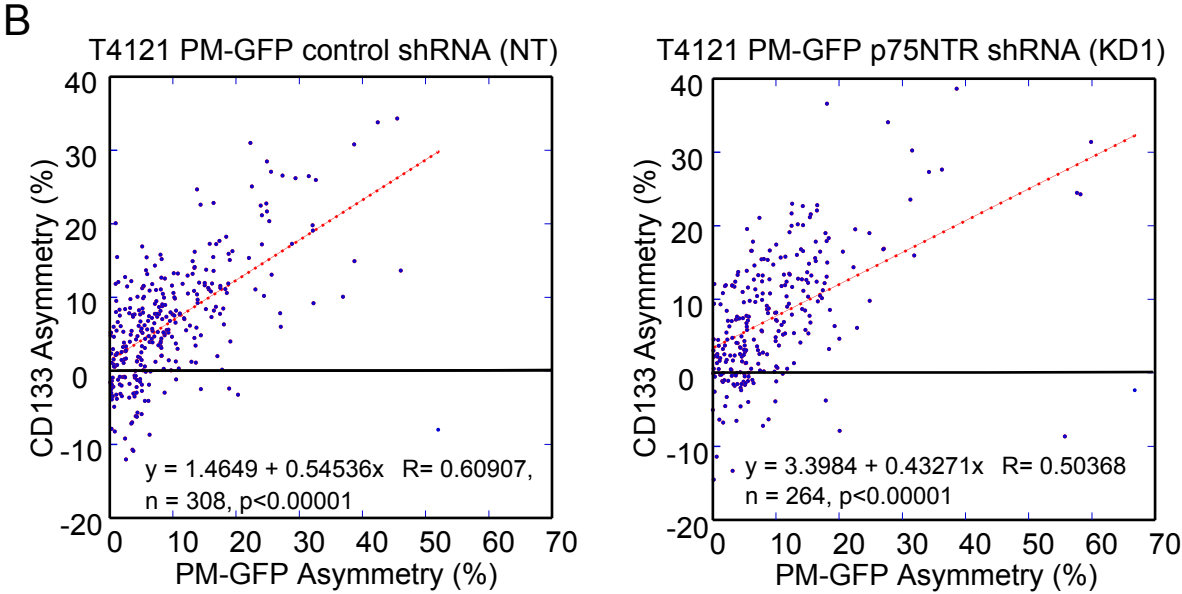
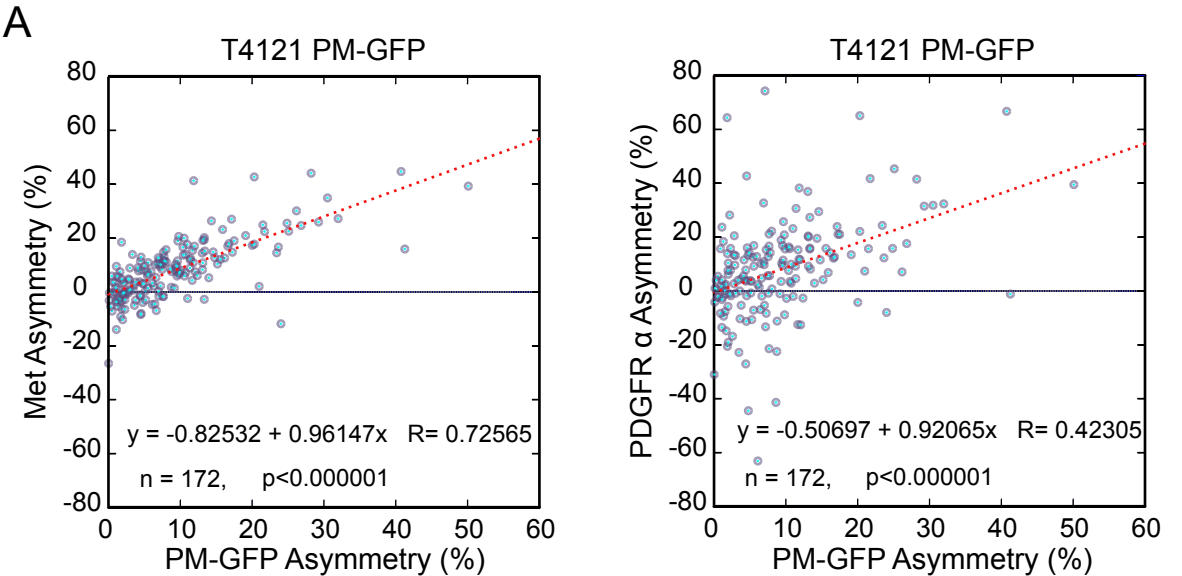
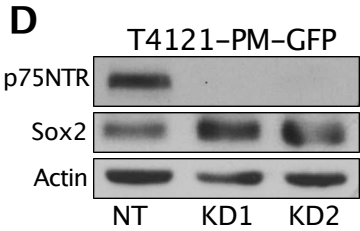
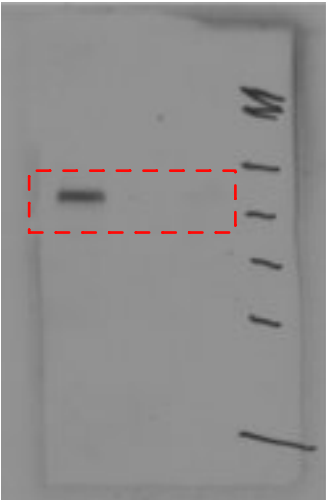


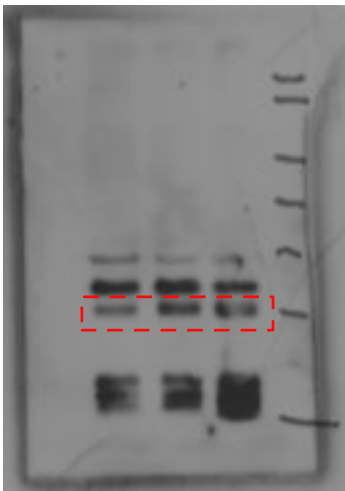
Figure 3, D



p75NTR



Sox2



Actin

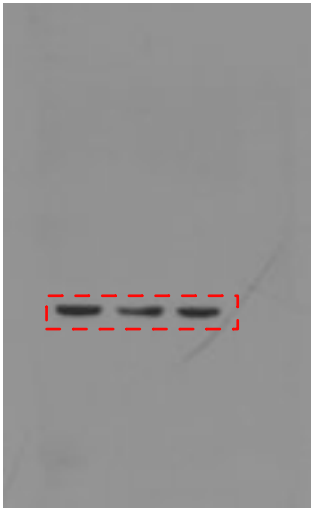
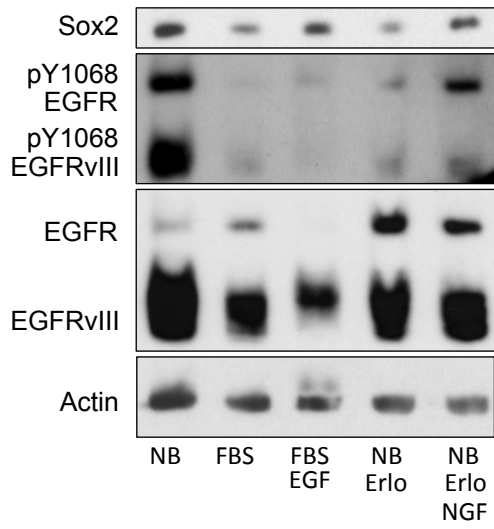


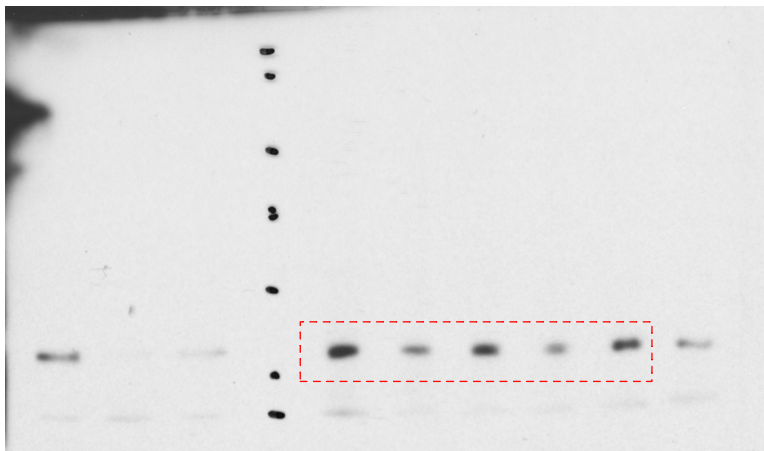
Figure 4A

A

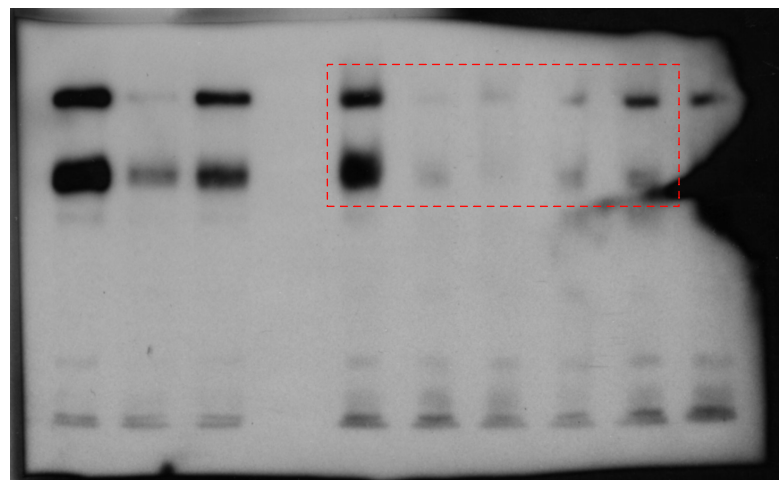
T4121-PM-GFP



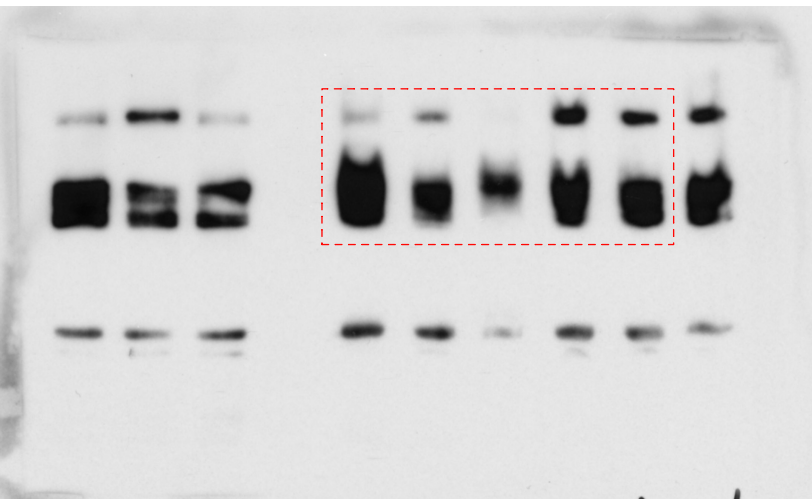
Sox2



pY1068-EGFR/EGFRvIII



EGFR/EGFRvIII



Actin

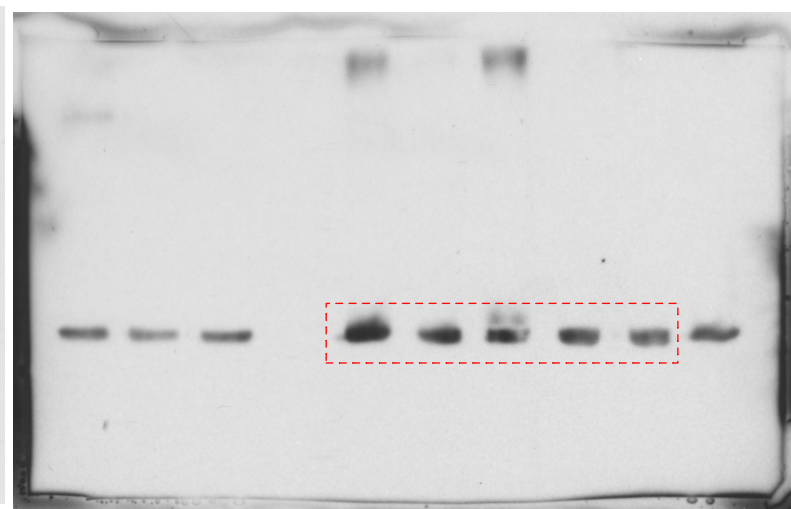
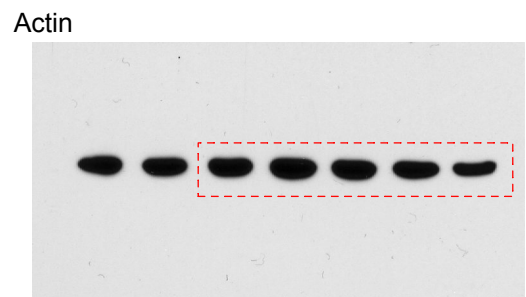
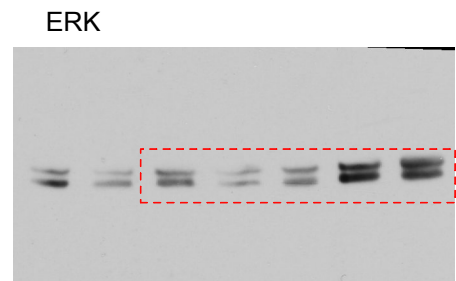
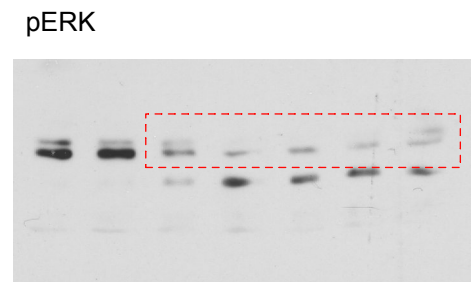
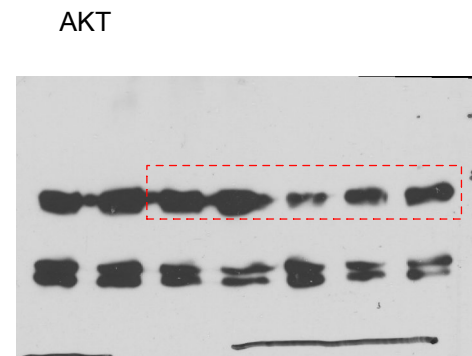
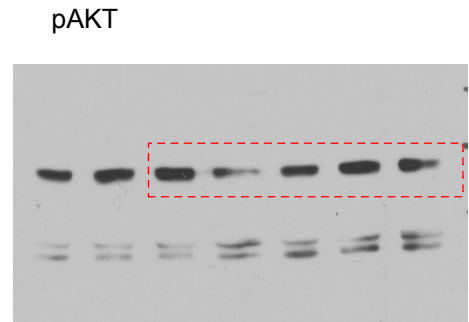
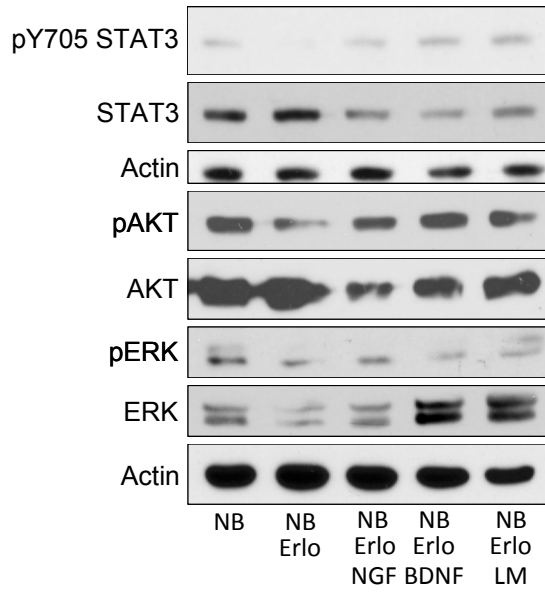


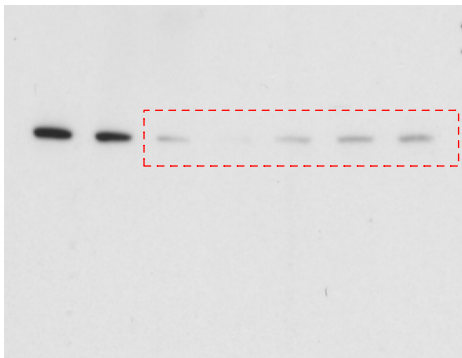
Figure 4 B

B

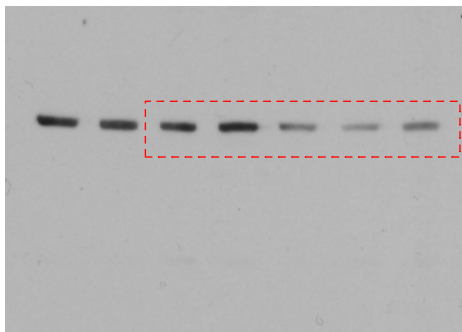
T4121-PM-GFP



pY705 STAT3



STAT3



Actin

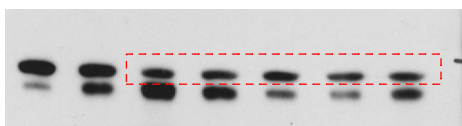
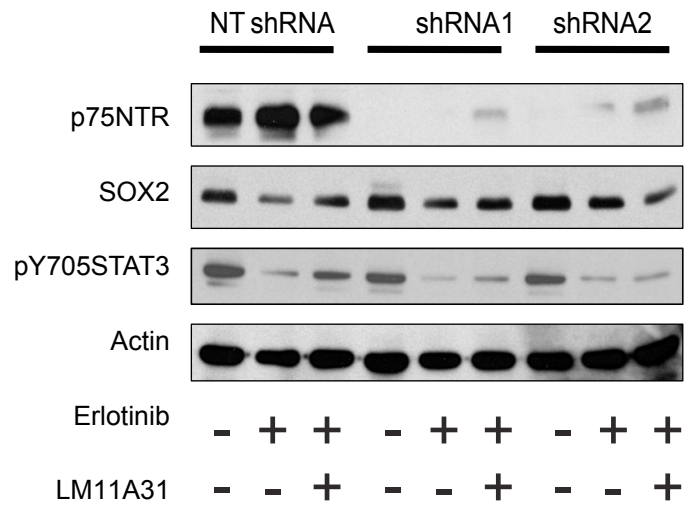


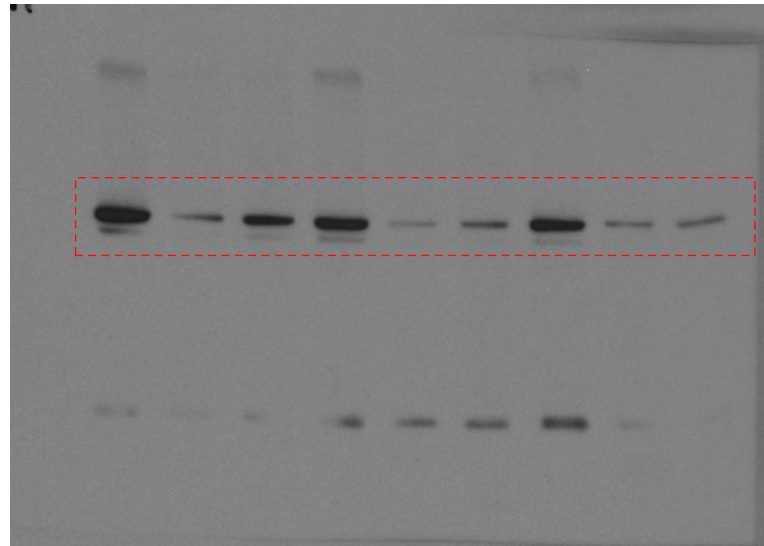
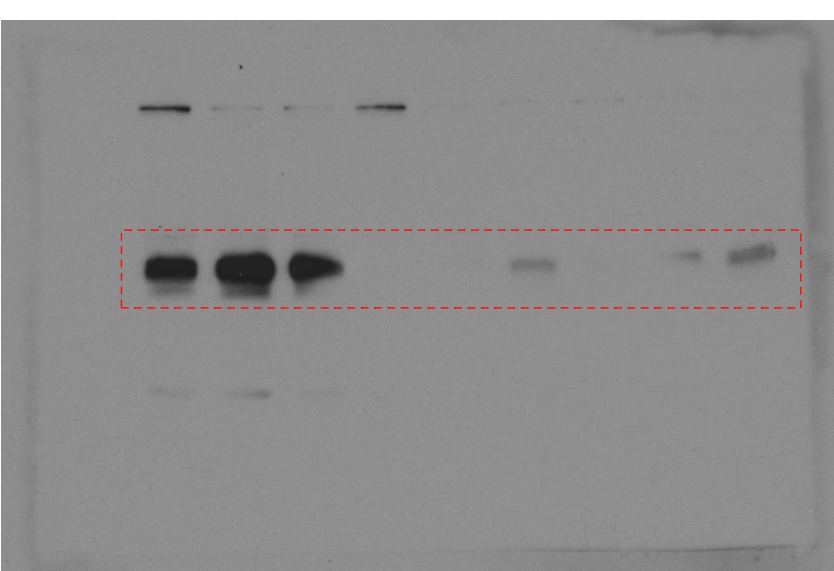
Figure 4C

C



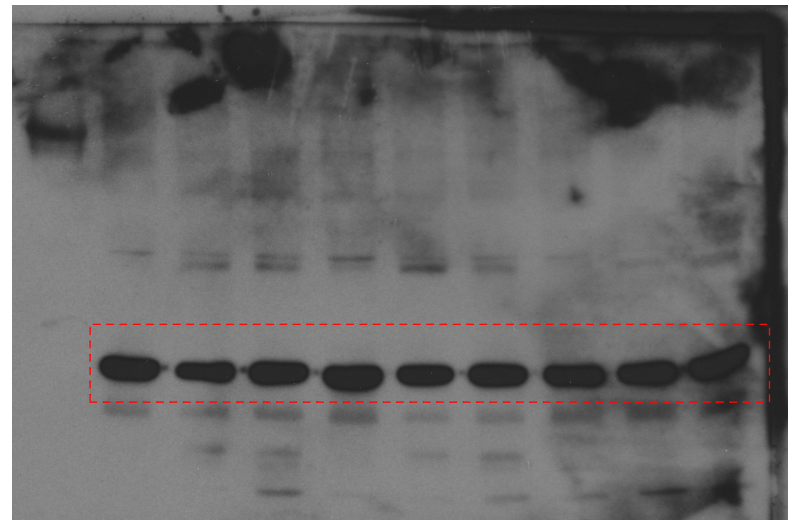
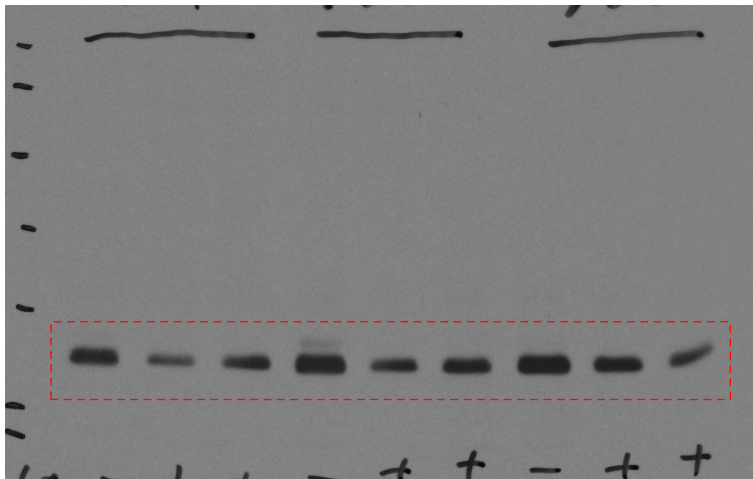
p75NTR

pY705STAT3



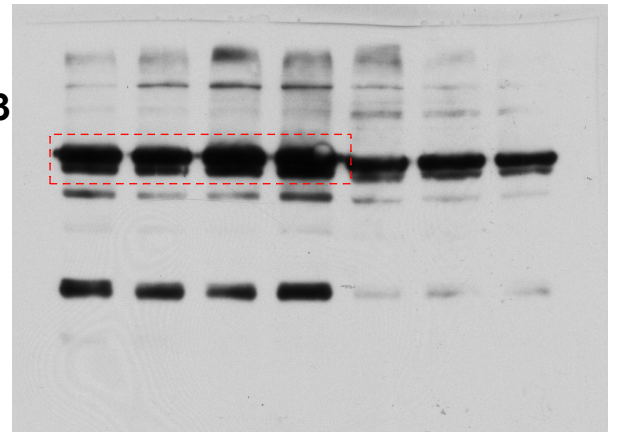
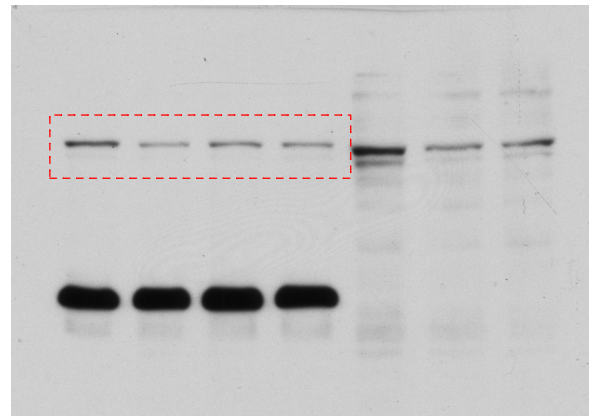
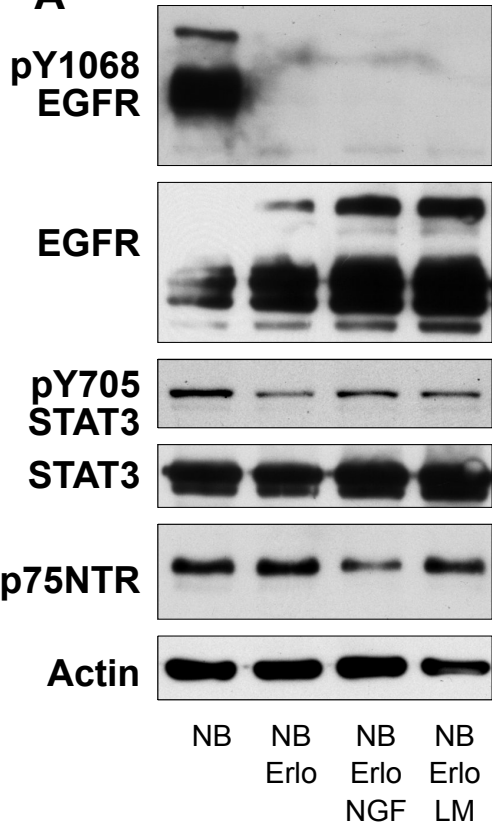
SOX2

Actin

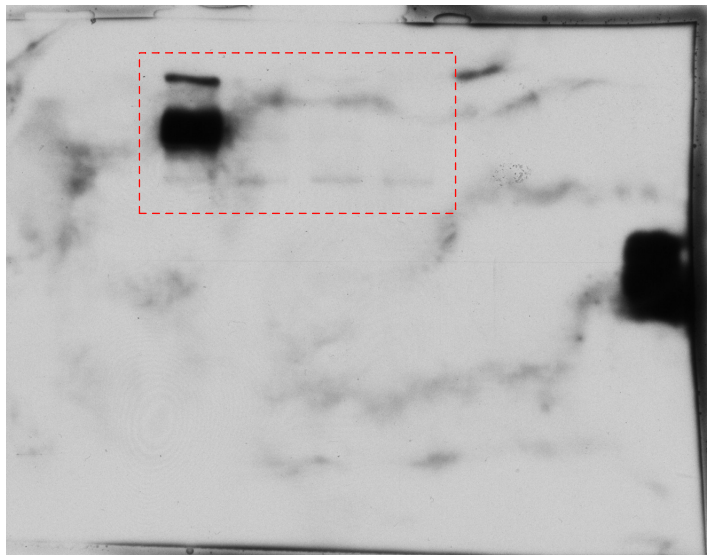


Supplemental Figure 3A

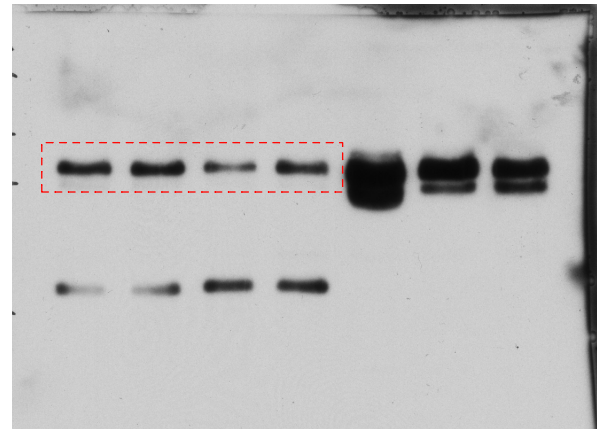
A **T4302**



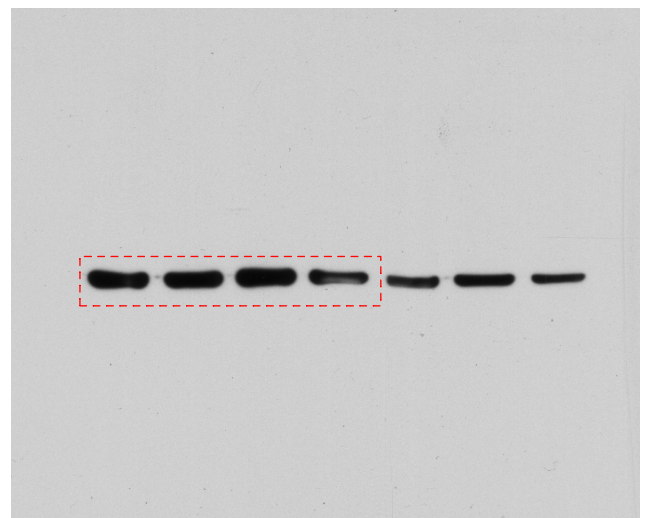
pY1068 EGFR



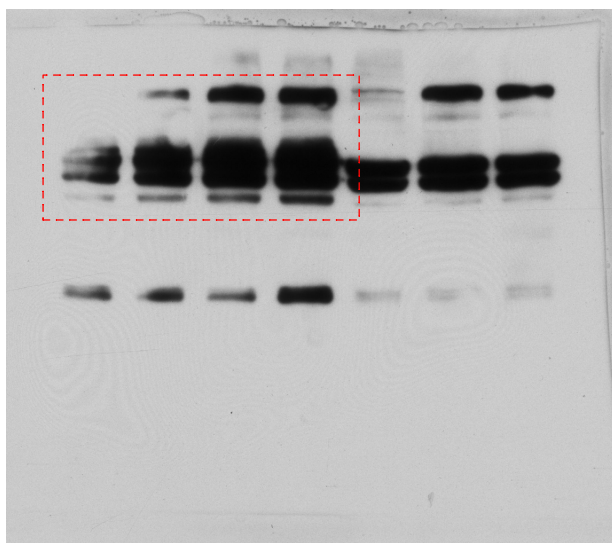
p75NTR



Actin



EGFR



Supplemental Table 1 RESOURCES

REAGENT or RESOURCE	SOURCE	IDENTIFIER
Antibodies and detection systems		
CD133/1	Miltenyi Biotec	Cat# 130-092-395, RRID:AB_615061
EGFR	Abcam	Cat# ab32077, RRID:AB_732101
EGFR	Ventana Medical Systems	Cat# 790-2988
p75NTR	Millipore	Cat#05-446, RRID: AB_309737
p75NTR	Cell Signaling Technology	Cat# 8238, RRID:AB_10839265
P75NTR	Millipore/Cell Marque	Cat# 304M-14
phospho-STAT3 Tyr705	Cell Signaling Technology	Cat# 9145, RRID:AB_2491009
STAT3	Cell Signaling Technology	Cat# 4904, RRID:AB_331269
phospho-AKT Thr450	Cell Signaling Technology	Cat# 12178, RRID:AB_2734744
AKT (pan)	Cell Signaling Technology	Cat# 4691, RRID:AB_915783
Phospho-p44/42 MAPK (Erk1) (Tyr204)/(Erk2) (Tyr187)	Cell Signaling Technology	Cat#5726
p44/42 MAPK (Erk1/2)	Cell Signaling Technology	Cat# 9102, RRID:AB_330744
phospho-EGFR (Tyr1068)	Cell Signaling Technology	Cat# 4031, RRID:AB_1903957
SOX2	R&D Systems	Cat# MAB2018, RRID:AB_358009
beta-Actin	Santa Cruz Biotechnology	Cat# sc-130301, RRID:AB_2223360
Donkey Anti-Rabbit IgG, DyLight 649 Conjugated	Jackson ImmunoResearch Labs	Cat# 711-495-152, RRID:AB_2315775
Cy3-AffiniPure Donkey Anti- Mouse IgG	Jackson ImmunoResearch Labs	Cat# 715-165-151, RRID:AB_2315777
OptiView DAB IHC Detection Kit	Ventana Medical Systems	Cat# 760-700
EnVision FLEX DAB+ Substrate Chromogen System	Dako/Agilent	Cat# GV825
Chemicals, Peptides, and Recombinant Proteins		
Geltrex	Life Technologies	Cat# A1413201
LM11A-31 dichloride	Sigma-Aldrich	Cat# SML0664
NGF-beta human recombinant	R&D Systems	Cat# 256-GF

BDNF human recombinant	STEMCELL Technologies Cell Signaling Technology R&D Systems	Cat # 78005 Cat # 3897S Cat # 248-BD
poly-lysine	Sigma-Aldrich	Cat # P8920
Erlotinib	Cayman Chemical Company	Cat# 10483
Temozolomide	Santa Cruz Biotechnology	Cat# 85622-93-1
Lipofectamine 2000	Life Technologies	Cat# 11668019
Bioutil DNA transfection reagent	Bioutil (biomake.com)	n/a
G418	Thermo Fisher Scientific	Cat # 11811023
thymidine	Sigma-Aldrich	Cat #T1895
human EGF recombinant	R&D Systems	Cat # 236-EG
human FGF recombinant	R&D Systems	Cat # 233-FB
Critical Commercial Assays		
CellTrace Far Red Cell Proliferation Kit	Thermo Fisher Scientific	Cat# C34564
Cell Titer Glo	Promega	Cat# G7572
Bio-Rad Protein Assay Dye	BIO-RAD	Cat# 5000006
ECL Plus Western Blotting Substrate	Pierce Biotechnology	Cat # 32132
Papain Dissociation Kit	Worthington Biochemical	Cat# LK003150
Experimental Models: Organisms/Strains		
Mouse: NOD.Cg-Prkdcscid Il2rgtm1Wjl/SzJ	The Jackson Laboratory	JAX: 005557
Recombinant DNA		
ps.PAX2	Addgene	Plasmid #12260
pMD2.G	Addgene	Plasmid #12259
pLKO.1 non-targeting vector	Sigma-Aldrich Mission	SHC002
p75NTR shRNA vector 1	Sigma-Aldrich Mission	TRCN0000058153
p75NTR shRNA vector 1	Sigma-Aldrich Mission	TRCN0000058156
PM-GFP	Addgene	Plasmid #21213

Software and Algorithms		
Extreme limiting-dilution analysis	Hu and Smyth, 2009	http://bioinf.wehi.edu.au/software/elda/
ImageJ	https://imagej.nih.gov/ij/	v1.52k
R	https://www.r-project.org/	R version 3.4.1
RStudio	https://www.rstudio.com/	Version 1.0.136
KaleidaGraph	Synergy Software	Version 4.1.3
HASCIA	Chumakova et al., 2019	https://hascia.lerner.ccf.org/