Supplementary information, Table S3 Fold change in invasion relative to control (Oncogenic KRAS)

siRNA Target	Field Number										Average
	Replicate 1					Replicate 2					
	1	2	3	4	5	6	7	8	9	10	
GPR158	61.0	73.0	37.3	45.5	47.3	46.8	66.8	46.3	59.8	49.3	53.3
GPR112	22.5	53.8	52.6	61.1	50.1	49.0	26.4	43.1	12.9	12.3	38.4
KCNQ5	13.3	14.3	12.3	19.7	12.7	48.0	55.0	83.7	39.7	56.0	35.5
SHANK1	24.6	38.6	36.7	21.2	17.9	34.5	27.1	35.3	33.5	24.5	29.4
ADAMTS18	14.2	42.6	15.9	26.6	25.1	18.2	28.9	20.5	16.6	26.8	23.6
NAV3	25.3	21.7	16.0	58.7	29.0	17.3	2.7	11.0	20.3	4.7	20.7
HIST1H1B	26.7	17.3	17.3	29.0	25.3	13.3	13.3	18.7	8.3	19.7	18.9
SMAD2	28.8	24.4	18.8	9.4	23.1	17.5	3.1	2.5	41.3	10.0	17.9
FBXL2	10.9	15.3	11.4	13.5	14.6	22.9	12.6	20.8	26.4	28.6	17.7
RNF219	15.0	20.6	13.8	15.0	15.6	18.1	13.1	18.1	23.8	20.0	17.3
ERGIC3	14.2	15.0	20.8	12.1	17.5	22.5	16.3	17.1	20.4	15.8	17.2
FN1	15.3	16.1	11.5	19.8	7.4	21.6	27.0	12.9	19.5	16.5	16.8
P2RY14	16.9	15.9	17.5	8.1	8.3	16.9	10.0	10.3	7.5	8.3	12.0
GLI3	23.4	7.3	7.6	30.5	7.6	11.9	9.9	4.5	7.9	4.0	11.5
SCN3B	13.6	12.9	10.2	15.3	20.0	10.2	9.8	4.7	5.4	10.2	11.2
LAMA1	16.1	10.9	8.0	11.8	4.8	13.1	16.6	9.3	12.0	3.8	10.6
ADARB2	15.4	5.0	7.5	12.9	10.4	7.5	7.1	8.8	16.3	14.2	10.5
SEMA3D	18.8	22.3	9.0	9.5	10.0	8.6	4.9	7.1	7.1	3.3	10.1
MYO5C	24.4	7.8	20.8	6.5	18.5	4.0	1.4	3.6	7.9	3.4	9.8
MAP2K7	29.3	4.7	12.3	10.0	11.3	2.7	8.7	4.0	2.7	5.7	9.1
SFRS6	13.1	6.3	11.3	7.5	12.5	10.6	5.6	7.5	6.9	6.3	8.8
P2RX7	8.1	6.1	12.4	8.5	9.3	13.6	9.3	6.3	6.8	3.1	8.3
OR51E1	10.2	7.1	8.0	7.3	5.9	4.4	8.1	5.1	5.8	8.5	7.0
GJD4	4.3	7.5	5.1	4.3	7.3	5.9	5.4	4.9	12.6	10.4	6.8
HUWE1	5.9	6.2	1.9	4.5	1.9	8.6	8.7	11.9	9.4	3.7	6.3
RAPGEF4	8.7	5.8	7.6	8.1	7.2	6.2	5.6	2.6	4.7	6.2	6.3
SLC44A4	4.4	1.7	7.1	7.6	6.4	5.9	3.4	5.4	9.3	7.1	5.8
NUP210	8.8	2.4	11.0	8.6	12.9	4.9	2.7	2.2	3.1	1.7	5.8
SMAD3	8.5	1.5	5.1	5.8	5.6	5.1	1.7	8.1	10.0	6.1	5.7
ROBO1	3.7	5.1	3.2	6.4	3.7	6.8	4.4	7.8	8.5	5.1	5.5
KIAA1409	8.0	3.4	6.9	9.3	5.6	2.3	2.8	5.1	7.0	3.4	5.4
EYA4	9.0	8.9	4.8	6.6	5.3	1.6	4.6	6.4	1.8	3.0	5.2
CD109	5.0	7.1	0.4	5.8	5.4	1.3	5.0	5.4	5.0	10.0	5.0
ZNF442	5.6	10.8	3.3	4.9	4.2	3.8	2.8	4.6	5.6	0.6	4.6
GRID1	7.0	7.8	5.9	4.4	7.1	1.9	2.5	2.4	2.1	2.9	4.4
PKNOX1	9.5	7.3	5.4	5.9	2.5	4.1	1.7	2.4	3.4	1.0	4.3
SYNE1	2.5	9.4	1.9	2.5	4.4	6.3	3.8	4.4	2.5	5.6	4.3
RUNX1T1	4.1	4.9	6.9	3.9	3.2	3.9	3.1	7.1	1.9	4.1	4.3
KIAA0182	3.7	2.0	1.3	2.0	2.0	4.0	5.3	8.7	5.3	8.0	4.2
PTPRU	5.4	2.4	4.7	4.1	4.7	4.9	2.2	6.6	3.9	3.1	4.2
PTPRD	4.4	7.5	5.6	8.1	3.1	3.8	1.3	1.9	1.9	4.4	4.2
CUX1	2.9	5.4	2.5	8.8	6.3	1.7	2.9	2.5	4.2	3.8	4.1
IRS4	2.0	4.0	2.0	4.0	2.3	7.7	3.0	6.7	4.3	4.7	4.1
MMP2	3.1	2.3	7.0	6.5	3.9	4.1	3.4	3.8	3.5	2.8	4.0
PIK3CA	5.9	5.6	4.4	4.1	3.9	3.6	3.7	2.2	3.7	2.0	3.9
TAF2	8.1	3.1	2.5	5.0	5.6	1.9	4.4	1.3	2.5	4.4	3.9
MKRN3	4.3	7.3	4.6	5.8	6.8	3.4	1.8	1.5	0.9	2.1	3.8
MAP2	2.7	4.0	2.0	12.7	7.0	0.0	1.3	1.3	2.7	4.0	3.8
SLC29A1	9.4	3.1	1.9	5.6	3.8	3.8	0.6	1.9	5.0	1.9	3.7
CACNA2D3	2.1	3.3	3.3	4.2	8.3	2.1	2.1	3.3	3.3	2.1	3.4
CLSTN2	5.0	2.5	5.8	2.9	5.4	0.0	1.3	1.7	5.0	3.3	3.3
CPAMD8	0.0	0.0	1.3	5.4	4.2	1.3	4.2	2.9	7.1	2.9	2.9

Gene											
TGFBR2	0.0	7.5	5.6	4.4	3.1	2.5	1.3	1.3	1.9	1.3	2.9
RET	4.7	1.2	3.7	2.0	3.1	3.6	2.0	4.1	1.5	2.0	2.8
ARHGEF10	1.3	1.7	2.9	3.3	3.3	4.6	2.5	2.5	2.5	1.7	2.6
TP53	5.0	2.5	1.9	2.5	2.5	4.4	0.6	3.1	1.3	1.9	2.6
CSMD3	2.5	2.1	3.3	0.0	5.4	1.7	0.8	2.1	3.8	3.3	2.5
ZMYM4	9.4	3.1	1.9	3.1	1.3	0.0	1.3	1.9	1.9	0.6	2.4
EPHB6	3.3	0.8	3.3	1.3	7.5	1.3	0.8	3.3	0.8	1.7	2.4
FBN2	2.5	3.4	2.0	2.4	4.9	1.5	2.0	2.8	1.4	1.3	2.4
DTNB	0.5	1.1	1.1	2.0	2.0	2.4	5.8	2.5	2.6	4.1	2.4
PCDH11X	3.1	2.4	3.4	3.1	6.3	0.8	0.8	1.4	1.2	1.2	2.4
TGM3	1.8	2.2	5.0	2.1	1.8	2.7	0.6	3.1	3.1	1.2	2.3
EVL	3.3	2.5	6.7	0.8	3.3	1.7	1.7	1.3	1.7	0.0	2.3
TNN	5.5	0.9	2.4	2.7	2.9	1.8	0.9	2.3	0.9	1.7	2.2
PTEN	1.3	2.5	1.3	1.9	5.0	1.3	1.9	1.9	1.3	3.8	2.2
LCN9	0.3	0.3	0.9	1.1	1.1	0.9	0.5	0.0	10.3	6.6	2.2
DPP10	0.0	1.7	3.8	0.0	4.6	1.7	4.6	2.5	1.7	1.3	2.2
FBXW7	2.0	0.5	0.3	2.4	2.6	0.8	4.3	2.4	2.0	4.2	2.1
SH3TC1	4.4	3.8	2.5	3.1	3.1	0.6	0.6	0.6	2.5	0.0	2.1
FAM193B	2.5	0.9	3.3	2.3	2.4	1.6	2.5	2.5	2.8	0.5	2.1
TCF7L2	4.4	1.9	1.9	2.5	0.6	0.6	3.1	3.8	0.6	1.3	2.1
LRP2	2.3	1.1	1.3	1.6	1.9	2.1	3.8	4.0	1.6	0.3	2.0
ARHGEF1	1.8	1.2	3.6	2.9	0.5	1.7	3.1	2.2	1.3	1.5	2.0
PHIP	1.3	0.7	2.0	2.0	0.0	0.7	2.7	0.0	5.7	4.7	2.0
KRT73	2.0	1.3	1.3	2.7	2.7	2.7	1.3	2.0	2.0	1.3	1.9
MYO19	1.3	0.7	4.0	0.7	3.3	2.0	0.0	0.7	3.3	3.3	1.9
KRAS	2.0	2.6	2.1	1.1	1.5	1.5	0.4	2.4	3.6	2.0	1.9
TBX22	1.9	0.8	1.0	1.8	3.3	0.5	1.2	1.5	5.1	2.1	1.9
GNAS	1.6	1.8	1.1	1.3	1.1	1.2	2.8	3.3	1.4	3.7	1.9
C10orf137	0.0	2.5	2.1	1.7	2.5	2.1	1.3	3.8	1.7	1.7	1.9
ADAMTSL3	0.0	0.4	3.8	1.3	3.3	2.1	2.1	2.5	2.1	1.7	1.9
ERICH1	1.3	2.1	0.8	0.0	2.1	2.1	1.7	3.3	2.1	3.8	1.9
BCL9	3.3	0.8	2.5	2.5	1.7	0.8	2.1	0.0	2.1	3.3	1.9
IGFBP3	2.6	1.8	2.3	1.8	2.9	2.3	2.1	0.5	1.1	1.8	1.9
MCM3AP	0.3	1.9	4.1	1.9	2.3	2.5	1.5	1.0	1.0	2.3	1.9
TCERG1L	1.9	1.3	1.3	2.5	3.1	1.3	0.0	2.5	1.3	3.1	1.8
NF1	0.7	2.0	1.3	0.0	0.0	0.0	2.0	1.3	4.0	6.7	1.8
FLNC	2.0	2.9	1.9	2.8	2.3	1.4	1.1	1.0	1.0	1.6	1.8
ATP11A	0.4	0.8	2.1	1.3	4.2	0.8	1.3	1.7	2.5	2.5	1.8
PCDHA9	1.2	2.7	1.2	2.5	2.0	1.4	1.5	1.4	1.9	1.4	1.7
HAPLN1	1.8	1.3	2.4	2.0	1.4	1.6	1.7	0.9	2.4	1.6	1.7
UHRF2	0.0	0.6	2.5	3.1	3.8	0.0	0.6	1.9	1.3	3.1	1.7
ADAMTS15	2.5	1.1	1.6	1.7	0.9	1.4	1.2	2.5	2.4	1.6	1.7
LGR6	1.6	2.0	1.3	2.1	1.3	3.0	1.3	1.8	1.5	0.9	1.7
SMTN	1.9	1.4	1.0	2.3	2.2	0.8	1.7	1.7	1.4	2.1	1.6
PAK6	1.3	1.2	2.3	1.3	2.6	2.8	0.5	2.6	0.8	1.2	1.6
COL3A1	1.7	1.8	2.0	2.1	2.2	1.2	0.8	1.6	1.8	1.1	1.6
EPHA3	0.8	1.3	0.8	2.5	1.3	0.0	0.8	1.3	5.0	2.5	1.6
TLR9	2.1	1.5	1.3	1.5	4.1	1.5	1.0	0.8	1.0	1.0	1.6
KIAA0556	1.7	2.0	3.7	2.0	2.0	2.0	1.3	1.0	0.0	0.0	1.6
MAPK8IP2	0.7	0.0	1.3	5.3	5.7	0.7	0.0	0.7	1.3	0.0	1.6
GRM1	1.8	3.0	2.1	1.8	1.7	0.8	0.7	1.3	1.1	1.1	1.5
ADAMTS20	2.4	1.7	2.2	1.1	1.4	1.6	1.3	0.4	1.8	1.4	1.5
IGSF22	1.3	1.3	0.7	2.0	2.0	1.0	0.7	1.0	2.7	2.7	1.5
ITGAE	2.3	0.0	0.7	2.0	1.3	0.0	2.0	1.3	3.3	2.0	1.5
RASGRF2	1.2	1.5	1.5	0.7	1.7	1.2	1.5	2.2	1.7	1.7	1.5
OBSCN	0.7	1.3	3.3	1.3	2.7	0.0	2.0	0.0	2.0	1.3	1.5
ABCA1	0.0	0.0	1.9	2.5	3.1	0.6	0.0	3.1	0.6	2.5	1.4
APC	2.5	0.8	2.5	0.8	1.7	0.8	1.7	0.8	0.0	2.5	1.4

MLL3	2.0	0.7	2.0	2.7	2.0	1.3	0.7	1.3	0.7	0.7	1.4
PLB1	1.4	0.7	2.4	2.2	1.0	1.2	1.9	0.3	1.4	1.5	1.4
STAB1	1.3	1.0	1.4	2.6	2.1	1.0	0.6	1.2	0.9	1.7	1.4
ERCC6	0.9	0.8	1.1	1.2	1.1	1.3	1.6	2.6	1.1	2.1	1.4
SLC22A15	0.7	0.8	2.0	1.4	1.9	1.0	1.4	1.9	0.8	1.5	1.3
ARHGEF9	1.0	1.5	1.0	0.8	1.5	1.7	1.8	2.2	0.6	1.0	1.3
MAP1B	1.3	0.0	0.7	0.7	1.3	1.3	2.0	2.0	1.3	2.0	1.3
MYO18B	2.1	0.9	0.8	1.1	1.3	0.9	0.9	1.3	1.4	1.6	1.2
PRKD1	1.3	0.6	1.3	2.5	0.6	1.9	0.0	1.3	0.6	1.9	1.2
EXOC4	1.3	1.6	0.8	0.8	0.5	0.9	1.4	1.8	1.1	1.8	1.2
C10orf115	0.8	1.7	2.1	2.5	1.3	1.7	0.0	0.0	0.4	1.3	1.2
PRDM9	0.7	1.7	1.3	2.7	1.3	1.0	0.7	1.3	0.7	0.3	1.2
ALK	0.8	1.3	2.1	2.1	1.3	0.8	0.0	0.0	1.7	1.7	1.2
CD46	2.2	1.3	1.1	0.8	1.4	0.9	0.5	0.9	1.2	0.7	1.1
SYT14L	1.7	1.0	1.0	0.5	1.7	1.3	0.5	0.9	1.2	1.3	1.1
KIAA2022	1.3	0.7	2.0	2.0	0.7	0.0	1.3	1.3	0.0	1.3	1.1
ATP13A5	0.3	2.4	0.3	0.8	2.5	0.7	0.4	1.2	0.7	1.4	1.1
ATP13A1	0.3	0.8	1.7	0.4	1.7	1.2	1.3	0.8	1.4	0.9	1.1
GUCY1A2	0.5	0.4	0.3	0.4	1.1	1.6	1.2	2.4	1.6	0.9	1.0
UQCRC2	1.3	0.0	1.3	1.3	1.3	0.6	0.6	1.3	0.6	1.9	1.0
ADAM29	0.6	0.6	0.0	0.6	1.3	0.0	1.3	1.9	0.6	3.1	1.0
Control	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	**1.0**
NOS3	2.0	0.0	0.0	0.7	2.0	0.0	1.3	1.3	2.0	0.7	1.0
PRKDC	1.0	0.8	1.0	1.2	0.6	0.8	0.6	1.0	1.7	1.2	1.0
AKAP6	0.0	1.7	1.7	0.0	1.3	0.4	0.0	1.3	0.8	2.5	1.0
CD93	1.3	1.7	0.4	2.1	0.4	0.0	0.8	0.0	0.8	2.1	1.0
FAM161A	0.1	0.8	1.6	0.7	1.1	0.9	1.4	0.5	1.6	0.7	0.9
CD248	2.0	0.5	0.0	0.5	2.1	0.4	0.9	0.8	0.7	1.3	0.9
PRUNE2	0.7	0.7	0.7	1.7	0.8	1.0	0.0	0.8	1.5	0.8	0.9
TIAM1	1.3	0.6	1.3	2.5	1.3	0.6	0.6	0.0	0.6	0.0	0.9
NTNG1	1.3	0.7	2.0	2.0	0.0	0.7	0.0	0.0	0.7	1.3	0.9
GALNS	0.7	2.0	0.8	0.8	0.9	0.1	0.3	0.7	0.7	1.7	0.9
CHL1	1.1	0.8	0.4	0.4	1.3	0.7	0.8	0.5	0.8	1.2	0.8
PLCG2	0.5	0.3	0.3	0.5	0.5	1.5	1.2	1.0	0.8	1.0	0.8
AKAP12	0.3	0.3	1.6	0.7	1.2	0.3	1.4	0.9	0.7	0.5	0.8
CNTN4	0.5	0.8	0.9	1.4	0.5	0.3	1.1	0.5	0.1	1.4	0.8
ZNF521	2.2	0.3	0.3	0.6	0.5	1.5	0.1	0.0	0.8	1.3	0.8
LMO7	2.0	0.7	1.3	0.7	0.0	2.0	0.0	0.0	0.7	0.0	0.7
C15orf2	0.7	1.1	0.9	0.9	1.1	0.3	0.5	1.3	0.0	0.5	0.7
PTPRS	0.8	1.0	0.5	0.5	0.3	0.7	1.0	1.0	0.7	0.5	0.7
SORL1	0.8	0.8	0.6	0.3	1.0	0.6	0.8	0.4	0.8	0.9	0.7
ACAN	1.3	0.0	0.0	0.6	1.3	1.3	0.6	0.6	0.0	0.6	0.6
DSCAML1	0.3	0.8	0.3	0.1	0.8	0.4	1.1	1.3	0.3	0.5	0.6
F8	0.0	0.1	0.7	1.1	1.1	0.3	0.0	0.4	0.4	1.3	0.5
TTLL3	0.8	1.2	1.8	0.0	0.4	0.4	0.1	0.3	0.0	0.3	0.5
ACSL5	0.6	0.6	1.3	1.3	0.6	0.0	0.0	0.6	0.0	0.0	0.5
SMAD4	0.0	0.0	0.5	0.4	0.6	0.8	1.0	0.5	0.3	0.5	0.5
UBB	0.0	0.0	0.8	0.6	0.9	0.0	0.6	0.1	0.6	0.5	0.4
ABCB11	0.0	0.0	0.6	0.0	0.0	0.0	0.0	0.0	1.3	0.0	0.2