

Table SI. Abbreviations and full names of the terms from TCGA.

Cohort	Full name
TCGA-ACC	Adrenocortical carcinoma
TCGA-BLCA	Bladder Urothelial Carcinoma
TCGA-BRCA	Breast invasive carcinoma
TCGA-CESC	Cervical squamous cell carcinoma and endocervical adenocarcinoma
TCGA-CHOL	Cholangiocarcinoma
TCGA-COAD	Colon adenocarcinoma
TCGA-COADREAD	Colon adenocarcinoma/Rectum adenocarcinoma Esophageal carcinoma
TCGA-DLBC	Lymphoid Neoplasm Diffuse Large B-cell Lymphoma
TCGA-ESCA	Esophageal carcinoma
TCGA-FPPP	FFPE Pilot Phase II
TCGA-GBM	Glioblastoma multiforme
TCGA-GBMLGG	Glioma
TCGA-HNSC	Head and Neck squamous cell carcinoma
TCGA-KICH	Kidney Chromophobe
TCGA-KIPAN	Pan-kidney cohort (KICH+KIRC+KIRP)
TCGA-KIRC	Kidney renal clear cell carcinoma
TCGA-KIRP	Kidney renal papillary cell carcinoma
TCGA-LAML	Acute Myeloid Leukemia
TCGA-LGG	Brain Lower Grade Glioma
TCGA-LIHC	Liver hepatocellular carcinoma
TCGA-LUAD	Lung adenocarcinoma
TCGA-LUSC	Lung squamous cell carcinoma
TCGA-MESO	Mesothelioma
TCGA-OV	Ovarian serous cystadenocarcinoma
TCGA-PAAD	Pancreatic adenocarcinoma
TCGA-PCPG	Pheochromocytoma and Paraganglioma
TCGA-PRAD	Prostate adenocarcinoma
TCGA-READ	Rectum adenocarcinoma
TCGA-SARC	Sarcoma
TCGA-STAD	Stomach adenocarcinoma
TCGA-SKCM	Skin Cutaneous Melanoma
TCGA-STES	Stomach and Esophageal carcinoma
TCGA-TGCT	Testicular Germ Cell Tumors
TCGA-THCA	Thyroid carcinoma
TCGA-THYM	Thymoma
TCGA-UCEC	Uterine Corpus Endometrial Carcinoma
TCGA-UCS	Uterine Carcinosarcoma
TCGA-UVM	Uveal Melanoma

TARGET-OS	Osteosarcoma
TARGET-ALL	Acute Lymphoblastic Leukemia
TARGET-NB	Neuroblastoma
TARGET-WT	High-Risk Wilms Tumor

TCGA, The Cancer Genome Atlas.

Table SII. Sequences of the primers.

Gene	Primer sequence
E-cadherin forward	5'-ATTTTTCCTCGACACCCGAT-3'
E-cadherin reverse	5'-TCCCAGGCGTAGACCAAGA-3'
$\beta$ -catenin forward	5'-AAAGCGGCTGTTAGTCACTGG-3'
$\beta$ -catenin reverse	5'-CGAGTCATTGCATACTGTCCAT-3'.
Vimentin forward	5'-AGTCCACTGAGTACCGGAGAC-3'
Vimentin reverse	5'-CATTTACGCATCTGGCGTTC-3'
N-cadherin forward	5'-TCAGGCGTCTGTAGAGGCTT-3'
N-cadherin reverse	5'-ATGCACATCCTTCGATAAGACTG-3'
Snail forward	5'-TCGGAAGCCTAACTACAGCGA-3'
Snail reverse	5'-AGATGAGCATTGGCAGCGAG-3'

Table SIII. Sequences of the siRNAs.

siRNA	Sequence
siTTC22#1 forward	CCAUGGCAACACUCUACAUTT
siTTC22#1 reverse	AUGUAGAGUGUUGCCAUGGTT
siTTC22#2 forward	CCAUUGAGAUUGCCAAGAATT
siTTC22#2 reverse	UUCUUGGCAAUCUCAAUGGTT
siTTC22#3 forward	CCAUUGGAACUGCAACAUTT
siTTC22#3 reverse	AUGUUGCAGGUUCCAAUGGTT
siNC# forward	UUCUCCGAACGUGUCACGUTT
siNC# reverse	ACGUGACACGUUCGGAGAATT

TTC22, tetratricopeptide repeat domain 22; NC, negative control; siRNA, small interfering RNA.