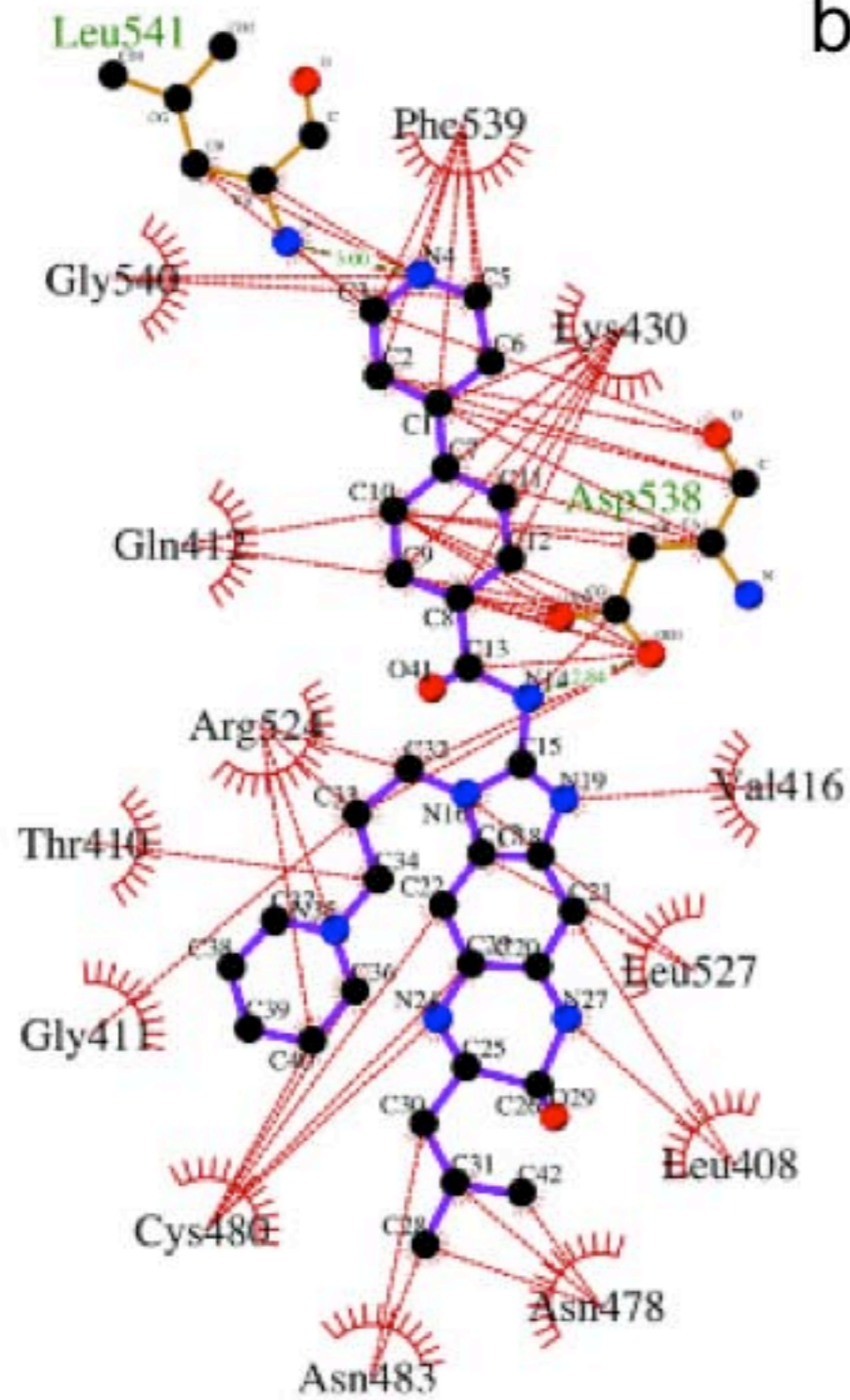


Figure S1

a



b

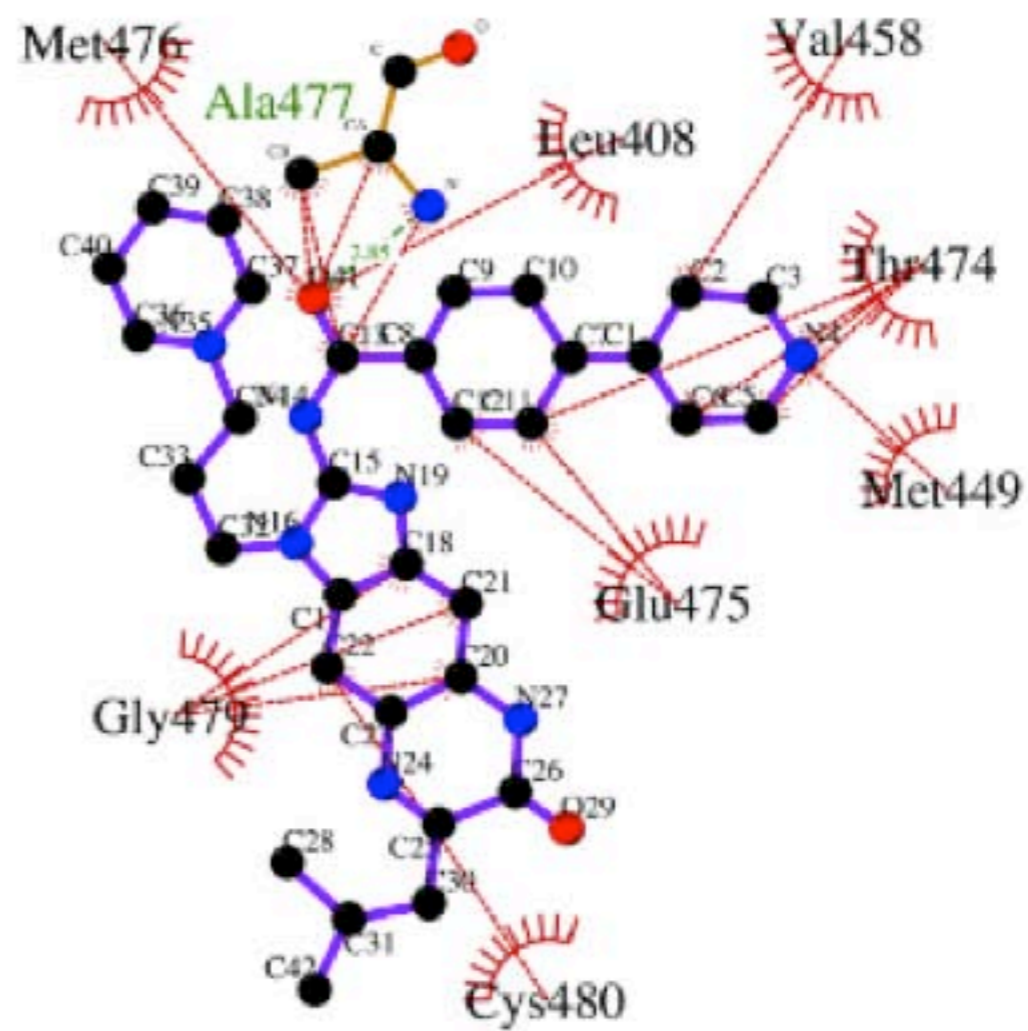


Figure S2

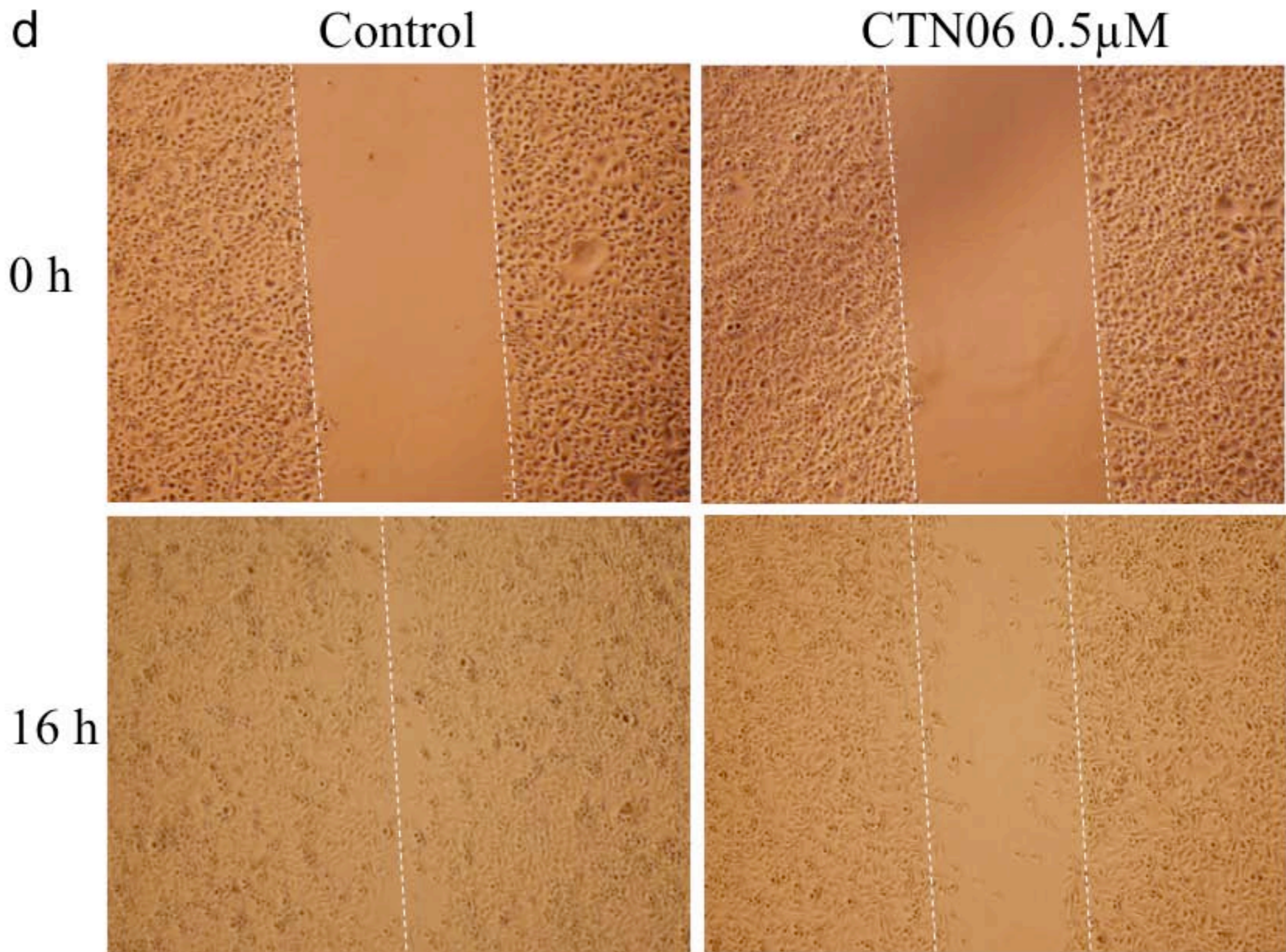


Figure S3

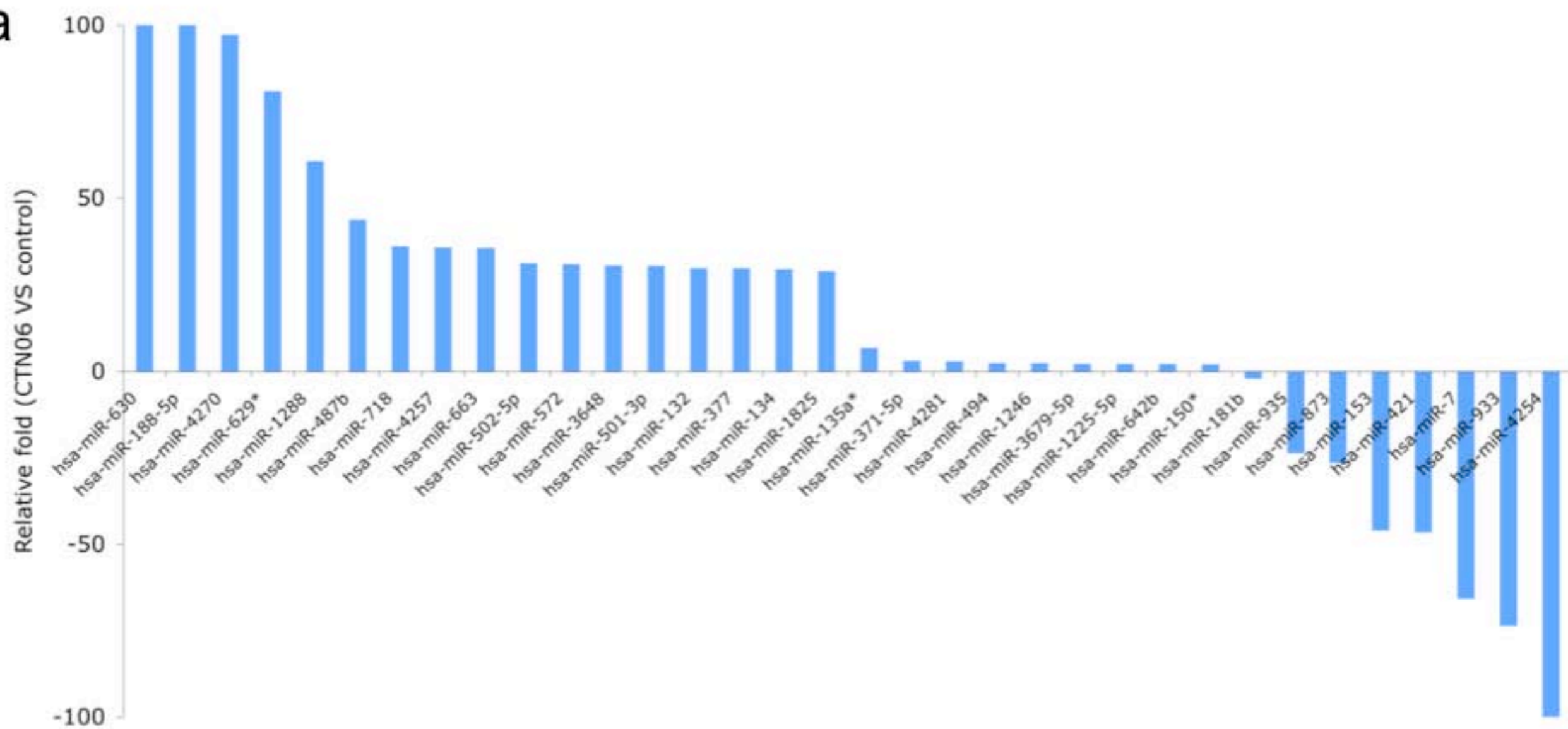
a

Figure S4a

b

Tumor suppressive MicroRNAs	Fold change	Relation to cancer	References
hsa-miR-630	148.8	Upregulated by NGX6	32
hsa-miR-487b	43.8	Downregulated in high risk neuroblastoma	33
hsa-miR-132	29.9	Downregulated in Prostate cancer and Pancreatic cancer by promoter methylation	34 35
hsa-miR-135a*	6.8	Downregulation of JAK2	36
hsa-miR-371-5p	3.1	Upregulated by 1,25 dihydroxyvitamin D3	37
hsa-miR-1246	2.4	Upregulated by p53	38
hsa-miR-494	2.4	Downregulation of KIT	39
hsa-miR-150*	2.0	Downregulation of NOTCH3	40
Oncogenic MicroRNAs	Fold change	Relation to cancer	References
hsa-miR-181b	-2.0	Targeting p27 (activated by STAT3)	41
hsa-miR-421	-46.3	Downregulation of ATM (regulated by N-Myc) Downregulation of FXR	42 43

Figure S4b

C Oncogenic-related genes downregulated by CTN06

Gene symbol	Gene name	Fold change
ABCG1	ATP-binding cassette, sub-family G (WHITE), member 1	-7.9
PHACTR3	phosphatase and actin regulator 3	-4.1
PLCD4	phospholipase C, delta 4	-3.3
IGFBP5	insulin-like growth factor binding protein 5	-2.8
PPAP2B	phosphatidic acid phosphatase type 2B	-2.7
PTGFR	prostaglandin F receptor (FP)	-2.6
FGF1	fibroblast growth factor 1 (acidic)	-2.6
PHLDB2	pleckstrin homology-like domain, family B, member 2	-2.5
ABCG1	ATP-binding cassette, sub-family G (WHITE), member 1	-2.5
SLC8A1	solute carrier family 8 (sodium/calcium exchanger), member 1	-2.5
AHCTF1	AT hook containing transcription factor 1	-2.3
MMP13	matrix metalloproteinase 13 (collagenase 3)	-2.3
FLI1	Friend leukemia virus integration 1	-2.3
IGF2BP3	insulin-like growth factor 2 mRNA binding protein 3	-2.3
GBX2	gastrulation brain homeobox 2	-2.3
FOXA2	forkhead box A2	-2.3
G0S2	G0/G1 switch 2	-2.2
SCEL	sciellin	-2.2
MET	met proto-oncogene (hepatocyte growth factor receptor)	-2.1
PIK3CB	phosphoinositide-3-kinase, catalytic, beta polypeptide	-2.1
MYCBP	c-myc binding protein	-2.1
NFIB	Nuclear factor I/B	-2.0
PPAP2B	phosphatidic acid phosphatase type 2B	-2.0
CDGAP	Cdc42 GTPase-activating protein	-2.0
DOCK2	dedicator of cytokinesis 2	-2.0