

Regulation of SLD5 gene expression by miR-370 during acute growth of cancer cells

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FigS.1

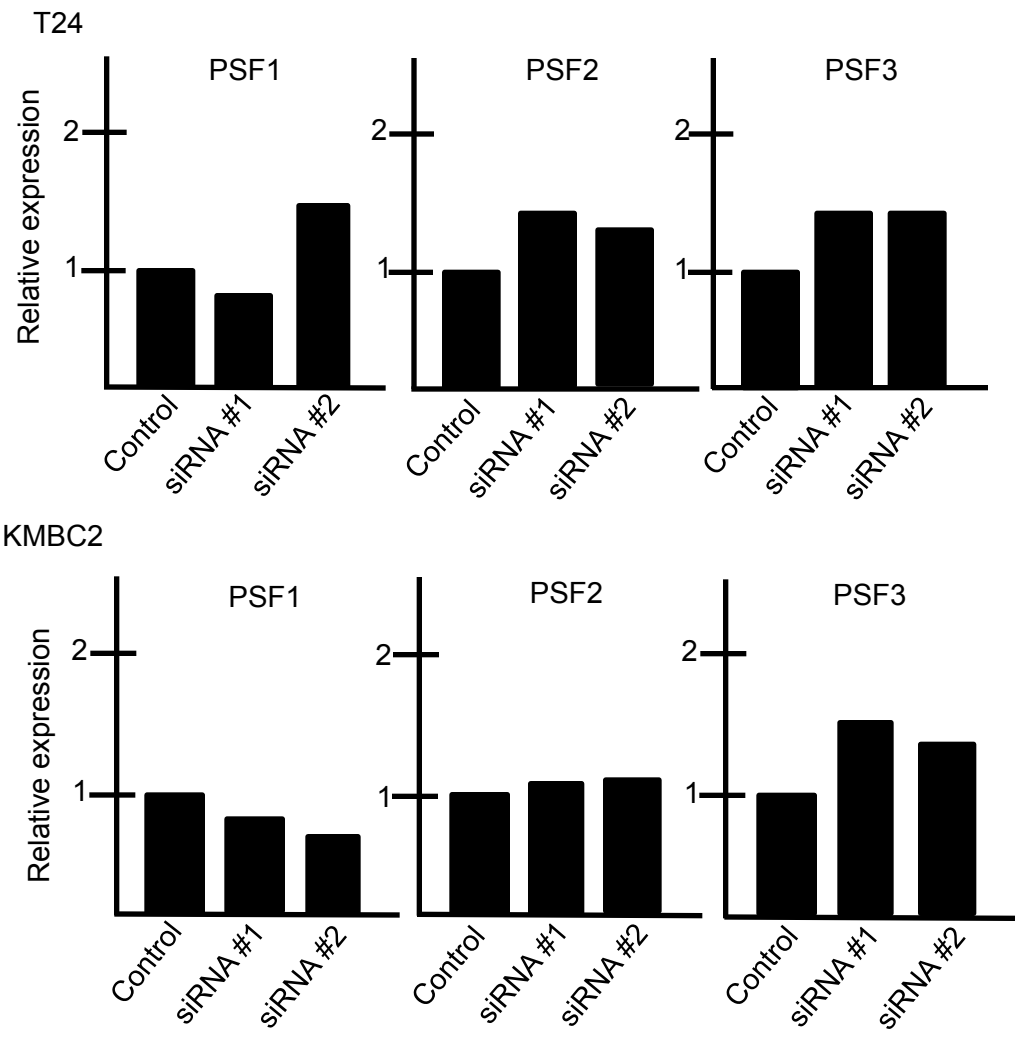


Figure S1. Effect of silencing *SLD5* on mRNA expression of other GINS members. *SLD5* expression was silenced as shown in Fig 2A. qRT-PCR analysis was performed to detect *PSF1*, *PSF2*, and *PSF3* expression. Note that GINS family genes other than *SLD5* were not affected by the knock down of *SLD5* *in vitro* in either T24 or KMBC2 cells. Values for control cells were set at unity.

FigS.2

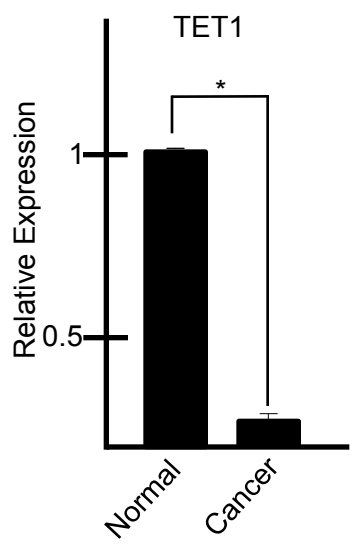


Figure S2. *TET1* expression in cancer cells. qRT-PCR analysis was performed to detect *TET1* mRNA expression in bladder cancer cell line (T24). Data are mean±SE, ***p<0.0005 (n=3)

FigS.3

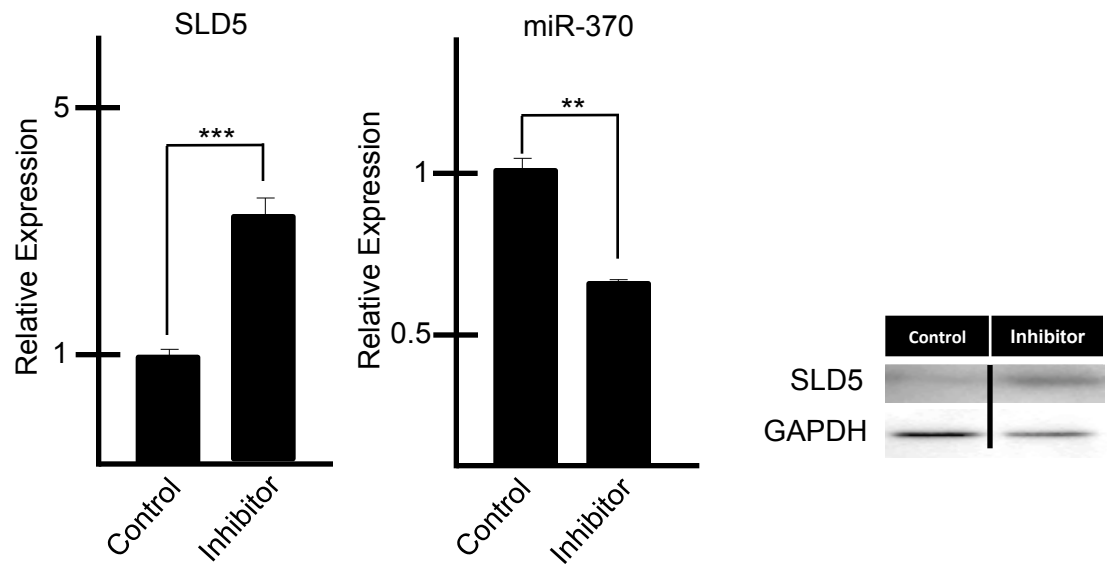


Figure S3. Attenuation of miR-370 expression by miR-370 inhibitor transfection in normal cells. miR-370 expression in HUVEC was inhibited by pre-hsa-miR-370 inhibitor (QIAGEN) under the manufacturer's instructions. After 48h, miRNA and RNA were isolated and cDNA was synthesized for the analysis of miR-370 and *SLD5* respectively. At the same time, protein was also isolated for western blotting analysis of *SLD5* expression level. The level of miR-370 (left) and *SLD5* (right) after transfection of miR-370 inhibitor was confirmed by qRT-PCR. Values for control cells were set at unity. *U6* or *GAPDH* was used as an internal control. Data are mean±SE **p<0.001, ***p<0.0001. (n=3). Western blotting showed that *SLD5* expression was increased in miR-370 inhibitor-transfected HUVEC.

Supplementary Table1

Primer set

hSLD5	Fwd	5'-CCAAATGGAGATGGAGAGGA-3'
	Rev	5'-CAGAGAGTTCATGGCGAACA-3'
hPSF1	Fwd	5'-GGTCACTGGGAGGAGATGAA-3'
	Rev	5'-CAGACAAGGAGTCCTGGAGC-3'
hPSF2	Fwd	5'-ACACTCGTATAGCCAAACTC-3'
	Rev	5'-CACTCCTGCTGTATCTACAC-3'
hPSF3	Fwd	5'-GGAGAGGGGCTTATTTCAAA-3'
	Rev	5'-GTGGCTAGTGAAACTGTACA-3'
hIL-6	Fwd	5'-GGTACATCCTCGACGGCATCT-3'
	Rev	5'-GTGCCTCTTTGCTGCTTTTAC-3'
hDNMT1	Fwd	5'-CCATCAGGCATTCTACCA-3'
	Rev	5'-CGTTCTCCTTGTCTTCTCT-3'
hTET1	Fwd	5'-TAAGAAAAGAAAATGTGAGGAGCT G-3
	Rev	5'-CCATTTACTGGTTTGTGTCAAAA T-3'
hGAPDH	Fwd	5'-CGACCACTTTGTCAAGCTCA-3'
	Rev	5'-CAGTTGCCATGTAGACCCCT-3'
miR-370		5'-GCCTGCTGGGGTGGAACCTGGT-3'