

miR-552 promotes the proliferation and metastasis of cervical cancer cells through targeting MUC15 Pathway

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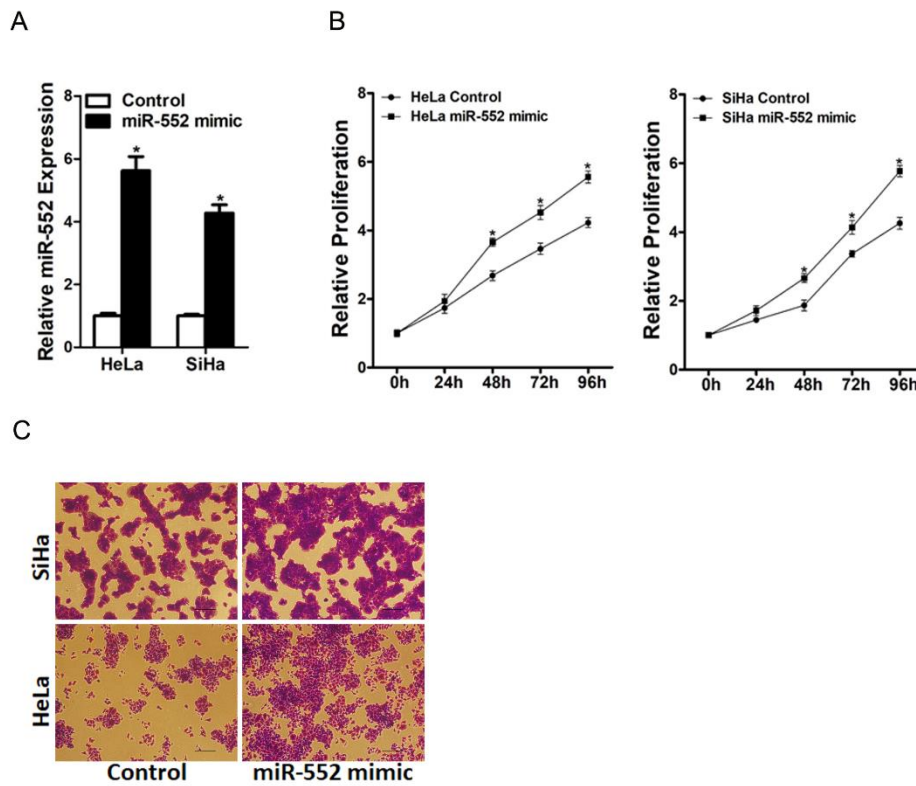
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Running title: miR-552 drives cervical cancer cells progression.

Supplementary Figure 1



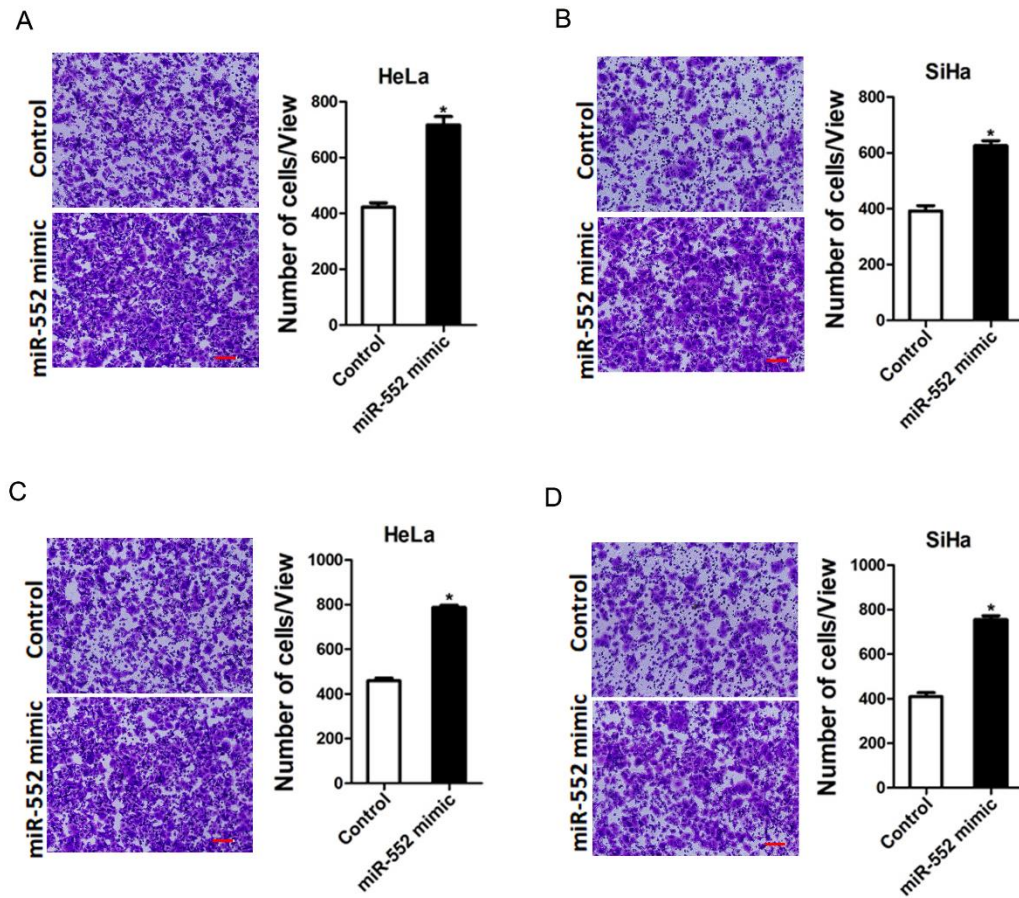
Supplementary Figure 1

A. The overexpression effect of miR-552 in HeLa and SiHa cells was checked by real-time PCR assay. (n=3, *p < 0.05)

B. Cell proliferation was measured using CCK-8 assays in HeLa miR-552 mimic or SiHa miR-552 mimic and their control cells. (n=6, *p < 0.05)

C. Colony formation assays of HeLa miR-552 mimic or SiHa miR-552 mimic and their control cells. (n=4, *p < 0.05)

Supplementary Figure 2



Supplementary Figure 2

A. The migration ability of HeLa miR-552 mimic and its control cells was performed utilizing polycarbonate membrane inserts in a 24-well plate. Scale bar=20 μm (n=4, *p < 0.05).

B. The migration ability of SiHa miR-552 mimic and its control cells was performed utilizing polycarbonate membrane inserts in a 24-well plate. Scale bar=20 μm (n=4, *p < 0.05).

C. The invasion ability of HeLa miR-552 mimic and its control cells was performed utilizing polycarbonate membrane inserts in a 24-well plate. Scale bar=20 μm (n=4, *p < 0.05).

D. The invasion ability of SiHa miR-552 mimic and its control cells was performed utilizing polycarbonate membrane inserts in a 24-well plate. Scale bar=20 μm (n=4, *p < 0.05).

Supplementary Tables

Supplementary Table 1. Clinicopathological features of 30 cervical cancer patients

Characteristics		Total n=30
Age(year)	≤45	9
	>45	21
Tumor size(cm)	<4	14
	≥4	16
Stromal metastasis	Yes	16
	No	14
Lymph node metastasis	Yes	11
	No	19