

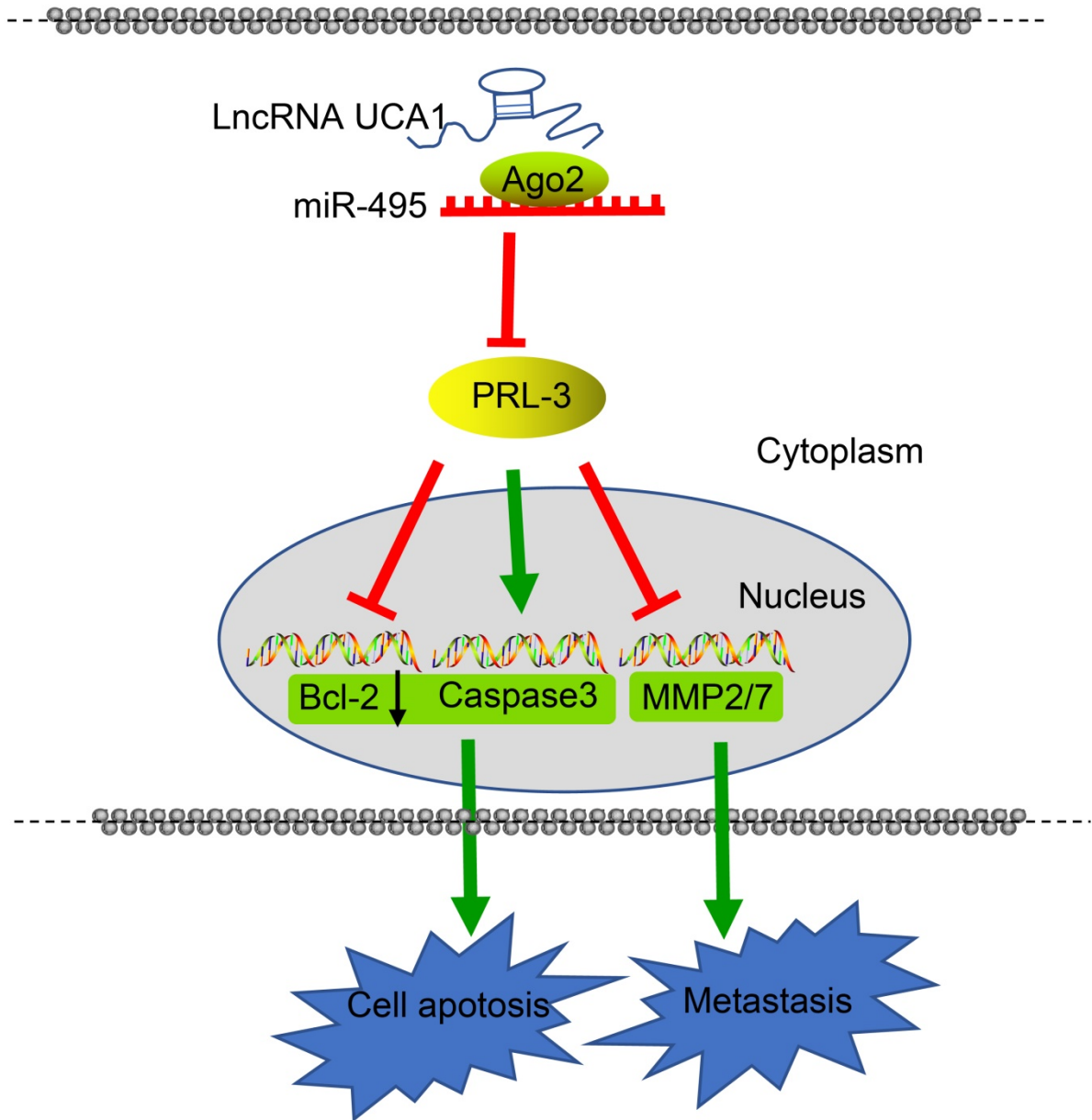
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Supplemental Information

Long Noncoding RNA UCA1 Regulates PRL-3 Expression by Sponging MicroRNA-495 to Promote the Progression of Gastric Cancer

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Supplemental Figure 1. UCA1 up-regulates PRL-3 expression to promote gastric cancer cell proliferation, invasion and metastasis by sponging miR-495, as reflected by inhibited Caspase 3 and enhanced Bcl-2 and MMP-2/7.



Supplemental Figure 1. UCA1 up-regulates PRL-3 expression to promote gastric cancer cell proliferation, invasion and metastasis by sponging miR-495, as reflected by inhibited Caspase 3 and enhanced Bcl-2 and MMP-2/7.

Supplemental Table 1 The relationship between the level of UCA1 and the clinicopathological characteristics of GC patients

Characteristics	N (%)	Average fold change \pm SD	<i>p</i>
Gender			0.845
Female	23 (27.06)	1.80 \pm 0.23	
Male	62 (72.94)	1.79 \pm 0.20	
Age (years)			0.514
< 50	34 (40.00)	1.81 \pm 0.23	
\geq 50	51 (60.00)	1.78 \pm 0.19	
Tumor site			0.619
Upper stomach	17 (20.00)	1.75 \pm 0.27	
Middle stomach	28 (32.94)	1.79 \pm 0.15	
Lower stomach	40 (47.06)	1.81 \pm 0.22	
Tumor size			0.423
< 5 cm	58 (68.24)	1.78 \pm 0.14	
\geq 5 cm	27 (31.76)	1.82 \pm 0.32	
Clinical stage			< 0.001
I-II	51(60.00)	1.68 \pm 0.16	
IIIA	34(40.00)	1.95 \pm 0.17	
Lymph node metastasis			< 0.001
N0-N1	47 (55.29)	1.70 \pm 0.15	
N2-N3	38 (44.71)	1.90 \pm 0.22	
Tumor infiltration depth			< 0.001
T1~T2	37 (43.53)	1.69 \pm 0.18	
T3~T4	48 (56.47)	1.87 \pm 0.20	

Note: N, number; SD, standard deviation.

Supplemental Table 2 The primer sequences for RT-qPCR

Name	Sequence (5'-3')
UCA1	CTCTCCATTGGGTTACCATTC GCGGCAGGTCTTAAGAGATGAG
miR-495	TCTACCGGTCGCCTCTGCTCAGTGTGAGCC TCTGAATTCTCAGGGTCCCGTCGGGGATG
U6	CTCGCTTCGGCAGCACA AACGCTTCACGAATTTGCGT
Bcl-2	GTTCGGTGGGGTCATGTGTGTGGAGAGCG TAGCTGATTCGACGTTTTGCCTGA
Caspase3	CAGTGGAGGCCGACTTCTTG ATGAACCAGGAGCCATCCTTT
MMP-7	GGCGGCACCACCATGTACCCT AGGGGCCGGACTCGTCATACT
MMP-2	TTGATGGCATCGCTCAGATC TTGTCACGTGGCGTCACAGT
GAPDH	CGTCTTCACCACCATGGAGA CGGCCATCACGCCACAGCTT

Notes: RT-qPCR, reverse transcription quantitative polymerase chain reaction; F, forward; R, reverse.