

1 **Septin6 Regulates Cell Growth and Casein Synthesis in Dairy Cow Mammary Epithelial**
2 **Cells via mTORC1 Pathway**

3

4 Bin Li, Zhuzha Basang, Lijun Hu, Liu Liu, Nan Jiang

5

6 SUPPLEMENTARY FILE

7

8

9

10

Table S1. Primer sequences for plasmid construction

Gene	Primer Sequences (5' → 3')	
Name	Forward Primer	Reverse Primer
Septin6	CCCAAGCTTGAAGAAGGAGG AGCTGCTGAAAC the <i>Hind</i> III site is underlined	GCTCTAGAGGGGCGATGGATTT ACGAACC the <i>Xba</i> I site is underlined
mTOR	AACTGCAGAACAGCCTCCCAC AAAAC the <i>Pst</i> I site is underlined	GCGTCGACAGCCATAGCCTCC TTCAC the <i>Sal</i> I site is underlined

11

12

Table S2. List of siRNA sequences

Gene	Primer Sequences (5' → 3')	
Name	Forward Primer	Reverse Primer
Septin6	CCAGCGAGCUUGUCAACAA CG	UUGUUGACAAGCUCGCUGGU G
mTOR	CGACCCAGUUGUCAUGGAA AU	UUGCAUGACAACUGGGUCGU U
Negative control	UUCUCCGAACGUGUCACGU TT	ACGUGACACGUUCGGAGAATT

13

