

Supplementary Information

Lin28a promotes self-renewal and proliferation of dairy goat spermatogonial stem cells (SSCs) through regulation of mTOR and PI3K/AKT

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Table S1 The length comparison of Lin28a of CDS and amino acid

Species	Length of CDS	Length of amino acid	Homology (%)
<i>Capra hircus</i>	630	209	100%
<i>Bos taurus</i>	618	205	95.61%
<i>Gallus gallus</i>	609	202	75.24%
<i>Homo sapiens</i>	630	209	90.84%
<i>Mus musculus</i>	630	209	89.52%
<i>Ovis aries</i>	630	209	99.52%
<i>Sus scrofa</i>	618	205	92.38%

Table S2 The primer sequences

Gene name	Primer	Tm/°C	Size/bp
Lin28a	Forward: GGTTTCGGCTTCCTGTCCAT	58	126
	Reverse: CAACTGCCTCACCCCTCCTT		
Plzf	Forward: CACCGCAACAGCCAGCACTAT	58	127
	Reverse: CAGCGTACAGCAGGTCATCCAG		
Gfra1	Forward: GGACAGGCAGCAGGAAATA	58	200
	Reverse: GTCTCCTGTCCCAGTCAAA		
Sox2	Forward: GGCGGCAACCAGAAGAACAG	58	109
	Reverse: GCATCTTGGGGTTCTCCTGG		
Oct4	Forward: AAGCAGTGACTACTCCCAACG	58	155
	Reverse: GGAATGGGACCGAAGAGTA		
Pcna	Forward: AGTGGAGA ACTTGGAAATGGAA	58	154
	Reverse: GAGACAGTGGAGTGGCTTTTGT		
Gapdh	Forward: CCACGCCATCACTGCCACCC	58	116
	Reverse: CAGCCTTGGCAGCGCCAGTA		