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Supplementary Material: *Reproduction, Fertility and Development*

Supplementary Material

Endo-siRNA deficiency results in oocyte maturation failure and apoptosis in porcine oocytes

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Table S1. Sequences of primers used

Gene	Primer sequence (5'-3')	Length (bp)	Accession number
18s rRNA	F: TCCAATGGATCCTCGCGGAA R: GGCTACCACATCCAAGGAAG	149	NR002170
DICER1	F: ACAAGATCCAGAGCTGGCTTA R: CACAATGCTCGTGGCAATCA	172	NM_001197194.1
DROSHA	F: GCCATCCCATGCTAGAACCT R: CACTTCCGTGCCCTCCTTTAC	270	XM_013984710.1
DGCR8	F: TCTATGAACTGACCAGCAAGGC R: CCCAACTCGCTTATTCTTACAC	194	NM_001206919.1

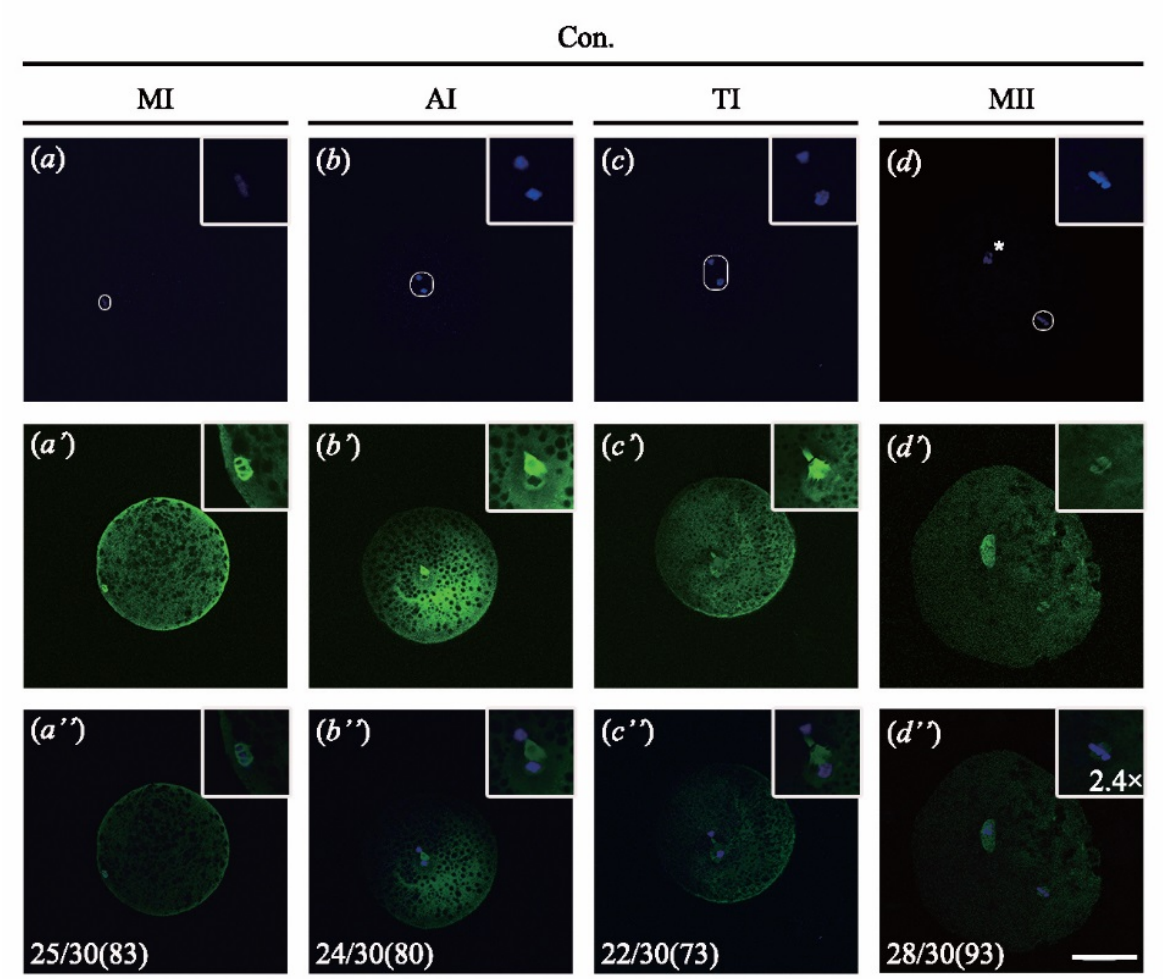

Fig. S1. Immunofluorescent analysis of the progress of porcine oocyte meiosis. The immunofluorescent analysis was performed 3 times using 10 oocytes per group. Representative images are shown. The spindle was stained with beta-tubulin antibody (green) and DNA was counterstained with Hoechst33342 (blue). (*a-a''*) metaphase I (MI). (*b-b''*) anaphase I (AI). (*c-c''*) telophase I (TI). (*d-d''*) meiosis II (MII). The white circle in *a-d* was the chromosome. * indicate the first polar body. The top right-hand corner of the each image was a result of the white circle two point four times to enlarge. Frequency of the staining indicated in each panel was shown in each figure (white letters). The values in parenthesis indicate percentage of the frequency. Bar represents 50 μm.