

Figure S1. Experimental design for late overexpression in porcine embryos

- (A) Control and NANOG mRNA-injected porcine D6 embryos at the one-cell stage.
- (B) Transcription levels of control and NANOG mRNA-injected D6 blastocysts. The sample size was n = 30. Each group contained three replicates. Error bars represent the mean SEM. * corresponds to significant differences (***: P < 0.001)</p>
- (C) Experimental scheme of the overexpression assay using lipofectamine and the EGFP mRNA complex in eight-cell stage porcine embryos.
- (D) Transcription levels of EGFP mRNA-transfected D7 blastocysts with and without zona pellucida. The sample size was n=30. Each group contained three replicates. Error bars represent the mean SEM. * corresponds to significant differences (*: P < 0.05).
- (E) EGFP mRNA-transfected D7 blastocysts with and without zona pellucida were hatched. Sample size