

Table S4 Embryo cleavage rates and blastocysts formation rates in NANOG knockout and overexpression assays.

Group	No. embryos (n=5)	No. cleaved (%)	Blastocyst (%)
Control (Cas9 mRNA)	306	220 (72.7 ± 0.02)	91 (30.2 ± 0.01)
NANOG targeted	312	211(68.5 ± 0.04)	85 (27.5 ± 0.02)

Group	No. 4 cell stage embryos (n=6)	Blastocyst (%)
Control (empty)	310	61 (19.3 ± 0.01)
NANOG O.E	327	62 (18.8 ± 0.01)