

Supplementary Table S1. *In vitro* developmental efficiency of embryos injected with Cas9 mRNA/sgRNA

Embryo types	Injected content	No. of 1-cell embryos	No. of 2-cell embryos	No. of blastocyst
Parthenogenetic embryos	H ₂ O	160	114(71.25%)	45(39.47%)
	Cas9 mRNA /sgRNA	152	97(63.8%)	37(38.14%)
zygotes	H ₂ O	15	13(86.67%)	10(76.92%)
	Cas9 mRNA /sgRNA	35	33(94.28%)	26(78.79%)

2-10 pl of 125 ng/ul Cas9 mRNA and 12.5 ng/ul sgRNA were injection into cytoplasm of embryos, H₂O injection used as control.