

Supplemental Tables:

Table S1. *In vitro* and *in vivo* Development of Two-cell Embryos after Injection of Cre mRNA into One Blastomere*.

Condition	Cre mRNA Concentration (ng/ μ l)	Injected Two-cell Embryos	Blastocysts	mT ⁺ /mG ⁺ Blastocysts	Transferred Embryos (Recipients)	Offspring	mT ⁺ /mG ⁺ Offspring
<i>In vitro</i>	100	24	4	1	-	-	-
	50	20	5	3	-	-	-
	2.5	91	85	45	-	-	-
	0.5	48	46	20	-	-	-
<i>In vivo</i>	2.5	110	-	-	102 (4)	-	10 ^a
	2.5	129	-	-	120 (4)	29	10

*: Heterozygous *mT/mG* male mice were used for mating.

^a: analyzed before birth