

1	#1	GG//TACAGCTACCCAGAGCCAATGCACCTATCGG//CTTCATAACATCCAAGG//TACAGCTACCTCCAAG-GTCAGG	
Blastomere		GGGAAGGCACCGCCCTCT//ATCGG//CTTCATAACATCCAAtccGGATCTGG//TACAGCTAACCTCCAAGAGT	
		GCGAAGGCACCGCCCTTTTGG//CCAGAAGCCAAT//////////	
		GCGAAG//TACAGCTACCTACCAAGAGCCAATGCACC////TACAGCTACCTCCAAGAGTCAGG	
		GCGAAGGCACCGCCCTCT//ATCGG//CTTCATAACATCCAAtccGGATCTGG//TACAGCTAaCCTCCAAGAGT	
	4	GCGAAGGCACCGCCC-TTTTGG//CCAGAAGCCAAT//////////	-376
		GG//TACAGCTACCCAAAGCCAATGCACCTATCGG//CTTCATAACATCCAAGG//TACAGCTACCTCCAAG-GTCAGG	
	6	GCGAAGGCACCGCCCTCT//ATCGG//CTTCATAACATCCAAtccGGATCTGG//TACAGCTAaCCTCCAAGAGT	
	-	GCGAAGGCACCGCCCTCT//ATCGG//CTTCATAACATCCAAtccGGATCTGG//TACAGCTAACCTCCAAGAGT	
	1	GCGAAGGCACCGCCC-TTTTTGG//CCAGAAGCCAAT//////////	-376
	8	GG//TACAGCTACCTCCAAG-GTCAGG//CTTCATAACATCCAAGG//TACAGCTACCTCCAAG-GTCAGG	-38

Supplementary information, Figure S1. Genotyping analysis of gene-edited mice by C-CRISPR.

(A) PCR products from nine mice with sgRNA-*Tyr*-B+C+D+E targeting. PCR products of mice #1 to #6 were TA cloned and sequenced. PCR products of tail marked with * were sequenced shown in Figure S1B. NC, negative control.
(B) Representative sequences from mouse tail #5 with sgRNA-*Tyr*-B+C+D+E targeting. The sgRNA targeting sequences are labeled in green and PAMs are labeled in red; deleted nucleotides are indicated by hyphens. Dashed lines mark the region omitted for clarity.

(C) Representative PCR products from whole embryos at blastocyst stage with sgRNA-*Tyr*-C or sgRNA-*Tyr*-B+C+D+E targeting. PCR products of blastocysts marked with * were further sequenced and shown in Figure S1D and S1E.

(D & E) Representative sequences from Blastocyst #1 (D) with sgRNA-Tyr-C

targeting and Blastocyst #5 (E) with sgRNA-*Tyr*-B+C+D+E targeting.(F) Representative PCR products from single blastomeres of 8- to 16-cell embryos

with sgRNA-*Tyr*-C or sgRNA-*Tyr*-B+C+D+E targeting.

(G & H) Representative sequences for individual blastomeres from a single 16-cell embryo with sgRNA-*Tyr*-C targeting (G) and sgRNA-*Tyr*-B+C+D+E targeting (H). About 50% blastomeres of each embryo were successfully amplified and sequenced. The sgRNA targeting sequences are labeled in green and the PAM sequences are labeled in red; deleted nucleotides are indicated by hyphens. Dashed lines mark the region omitted for clarity.