

Table S2 Composition of electroporation solution on embryo survival

TE (ul)	Opti-MEM (ul)	Total Volume (ul)	Zygotes Electroporated	Blastocysts Developed	Embryo Survival Rate
20	0	20	19	7	37%
20	0	20	19	9	47%
15	5	20	17	13	76%
15	5	20	21	16	76%
10	10	20	14	13	93%
10	10	20	18	17	94%
0	20	20	17	17	100%
0	20	20	20	19	95%

All zygotes were derived from B6D2F2/J and treated with acidic Tyrode's solution for 10 seconds before electroporation. Embryos used in this experiment had not been exposed to CRISPR/Cas reagents.