

Table S1. Derivation of parthenogenetic haploid ES cell lines.

Experiment no.	Derivation medium	Names of ES cells	Genetic background	Oocytes activated	No. of morulas	ES cell lines obtained	
						Diploid	Haploid
1	KSR/2i	phGFP-1, phGFP-2	C57BL/6	22	10	2	2
2	KSR/2i	phGFP-3 to phGFP-6	C57BL/6	34	17	1	4
3	KSR/2i	phGFP-7 to phGFP-9	C57BL/6	30	13	1	3
4	KSR/2i	phES OG-1, phES OG-2	C57BL/6×C D1	30	14	4	2

KSR, knockout serum replacement.

2i: GSK3 inhibitor CHIR99021, MEK inhibitor PD0325901.