

Table S2. Pluripotency and diploidization of mouse phES cells.

Cell line	No. of injected blastocysts	No. of arrested <10.5	No. of EGFP positive chimeric embryos at			No. of germline contribution at E13.5	No. of newborn pups	No. of chimeric pups	Coat color chimerism (%)
			E6.5	E8.5	E10.5				
*phGFP-1	51	24	2/5	/	/	/	/	/	/
*phGFP-3	30	12	2/7	/	/	/	/	/	/
**phGFP-2	64	35	/	2/12	/	/	/	/	/
***phGFP-1	60	22	/	/	2/11	/	/	/	/
****phES OG-1	87	20	/	/	/	2/38	/	/	/
phES OG-1	15	/	/	/	/	/	10	2	35
phGFP-3	30	/	/	/	/	/	10	1	25
phGFP-1	71	/	/	/	/	/	8	3	50

* Chimaeric embryos dissected at E6.5, two of five chimaeric embryos contained EGFP from injecting phGFP-1, and two of seven chimaeric embryos contained EGFP from injecting phGFP-3.

** Chimaeric embryos dissected at E8.5, two of twelve chimaeric embryos contained EGFP positive cells from injecting phGFP-2.

*** Chimaeric embryos dissected at E10.5, two of eleven chimaeric embryos contained EGFP positive cells from injecting phGFP-1.

**** Chimaeric embryos dissected at E13.5, two of thirty eight chimaeric embryos contained Oct4-EGFP positive cells within the dissected gonads.