Table S1. Genotype distribution of offsprings from heterozygous intercrosses

Number of matings	+/+ pups	+/- pups	–/– pups
132	228	343	0

Table S2. Ratio of blastocyst to two-cell embryos from the mating between $Mp^{+/-}$ and $Mp^{+/+}$ mice

Mating	Number of pairs	Blastocyst/two- cell embryos (%)	Hatched blastocyst/ two-cell embryos (%)
+/+ F × +/+ M	3	74/81 (91.4%)	68/81 (84.0%)
+/- M × +/- F	4	97/106 (91.5%)*	90/106 (84.9%) [†]

Statistical analysis was carried out by comparing the ratios between maspin heterozygous mating with that of wild-type mating. *P>0.425.

**P*>0.425. †*P*>0.297.