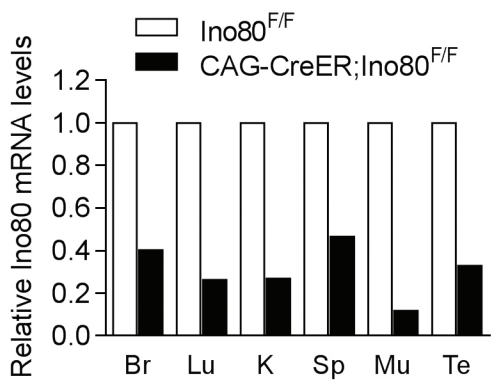
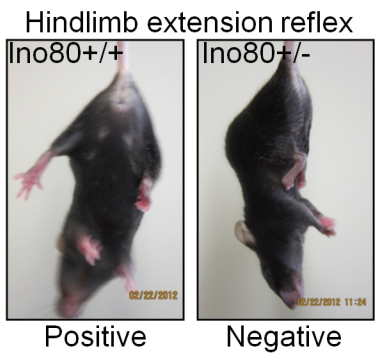


A



	Relative Ino80 mRNA level (%)
Brain (Br)	40.2393
Lung (Lu)	26.2599
Kidney (K)	26.8728
Spleen (Sp)	46.5407
Muscle (Mu)	11.7952
Testis (Te)	32.9455

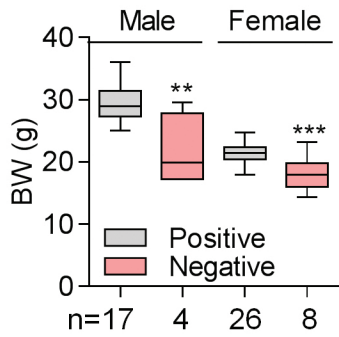
B



C

	Ino80 genotype	% reflex negative
Male	+/+	11.11
	+/-	16.00
Female	+/+	0.00
	+/-	25.00
total	+/+	4.00
	+/-	21.31

D



E

	Ino80 ^{+/+} p53 ^{+/-}	Ino80 ^{+/+} p53 ^{-/-}	Ino80 ^{+/-} p53 ^{+/-}	Ino80 ^{+/-} p53 ^{-/-}	Ino80 ^{-/-} p53 ^{+/-}	Ino80 ^{-/-} p53 ^{-/-}	Total
Number of mice at P21	10	12	21	19	0	0	62
% (expected %)	16.1 (12.5)	19.4 (12.5)	33.9 (25)	30.6 (25)	0 (12.5)	0 (12.5)	100%

Supplementary Figure 6 Phenotype of *mIno80* heterozygote mice. **(A)** Real-time PCR analysis for *mIno80* mRNA expression levels in various tissues isolated from *CAG-CreER; mIno80^{F/F}* mice following intraperitoneal tamoxifen injection. Values are normalized to GAPDH expression levels. **(B)** Representative images of *mIno80^{+/+}* mice with normal (positive) or abnormal (negative) hind limb extension reflex. **(C)** Summary of the number and percentile of *mIno80^{+/-}* mice with a negative extension reflex phenotype. **(D)** Comparison of body weights in *mIno80^{+/-}* mice with positive or negative extension reflex phenotype at 12 weeks of age. Error bars represent s.e.m. (**, $p < 0.005$; ***, $p < 0.001$, Student's *t*-test). **(E)** Genotyping results from *mIno80^{+/-}; p53^{+/-}* and *mIno80^{+/-}; p53^{-/-}* crosses, showing that p53 deletion does not rescue the embryonic lethality characteristic of *mIno80^{-/-}* embryos.