

# Atp4b-IRES-CreERT2

<b>Nomenclature</b>	C57BL/6Smoc- <i>Atp4b</i> <sup>em1(IRES-CreERT2-WPRE-pA)Smoc</sup>
<b>Cat. NO.</b>	NM-KI-210118
<b>Strain State</b>	Embryo cryopreservation

## Gene Summary

<b>Gene Symbol</b> <b>Atp4b</b>	<b>Synonyms</b>	AV080843
	<b>NCBI ID</b>	<a href="#">11945</a>
	<b>MGI ID</b>	<a href="#">88114</a>
	<b>Ensembl ID</b>	<a href="#">ENSMUSG00000031449</a>
	<b>Human Ortholog</b>	ATP4B

## Model Description

An IRES-CreERT2-WPRE-pA expression cassette was knocked into the Atp4b gene start codon site. Besides, An IRES-CreERT2 expression cassette were knock into the Bhlha15 gene stop codon site to generate Atp4b-IRES-CreERT2(2)(Stock No. NM-KI-210119) mice.

**Research Application:** Cre tool mice

\*Literature published using this strain should indicate: Atp4b-IRES-CreERT2 mice (Cat. NO. NM-KI-210118) were purchased from Shanghai Model Organisms Center, Inc..

## Validation Data

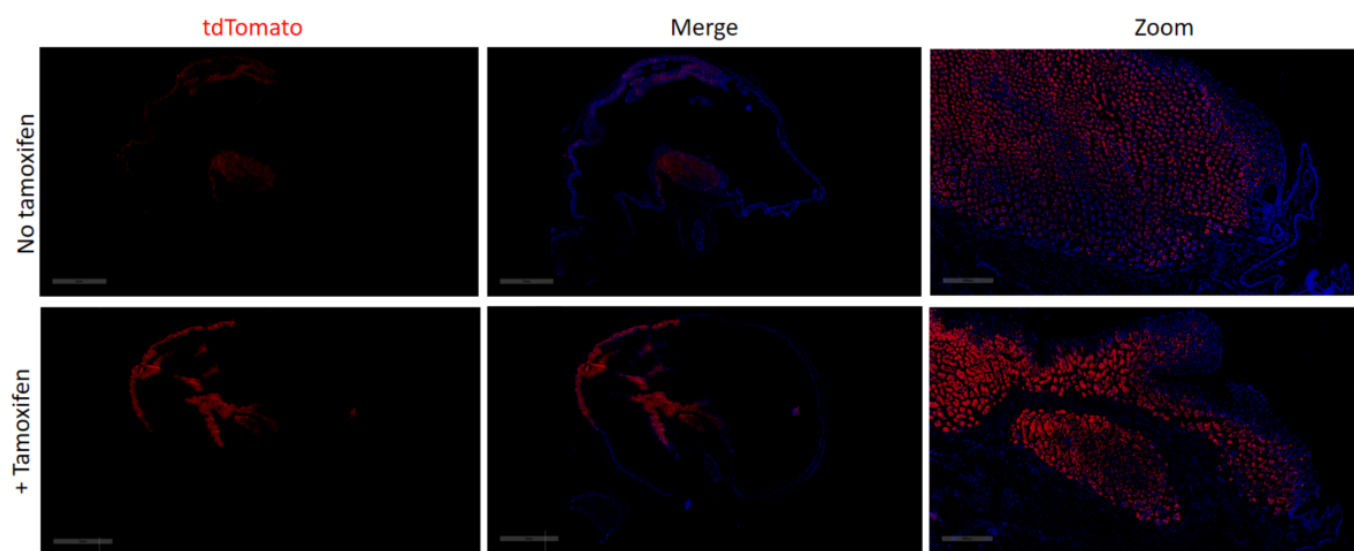
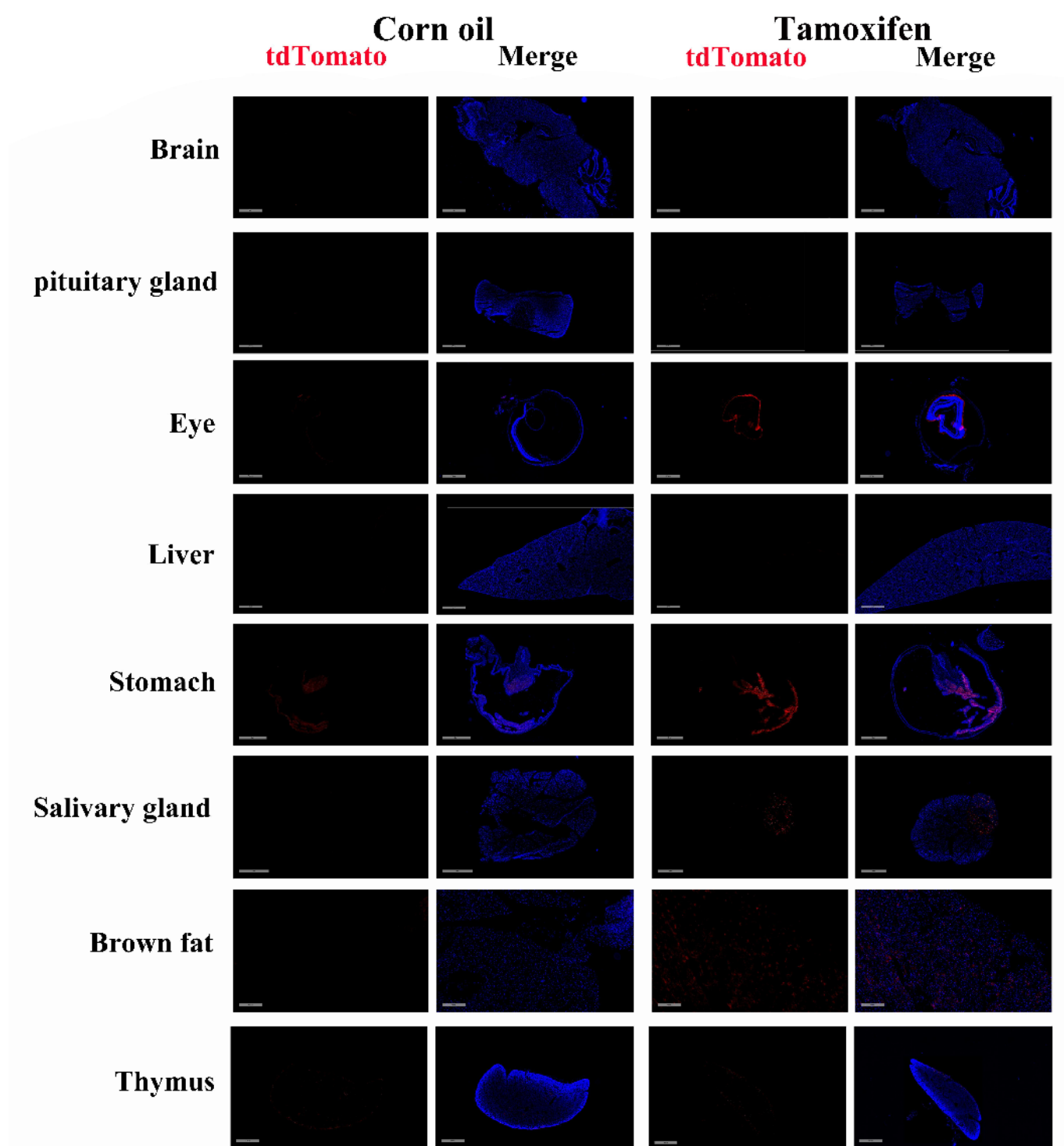


Fig1. CreERT2-mediated recombination in the stomach of  $Atp4b^{CreERT2/+}$ ;  $Rosa26^{tdTomato/+}$  mouse. TdTomato(red) expression can be detected in the stomach of  $Atp4b^{CreERT2/+}$ ;  $Rosa26^{tdTomato/+}$  mouse after tamoxifen treatment. Some leakiness was detected prior to tamoxifen exposure.



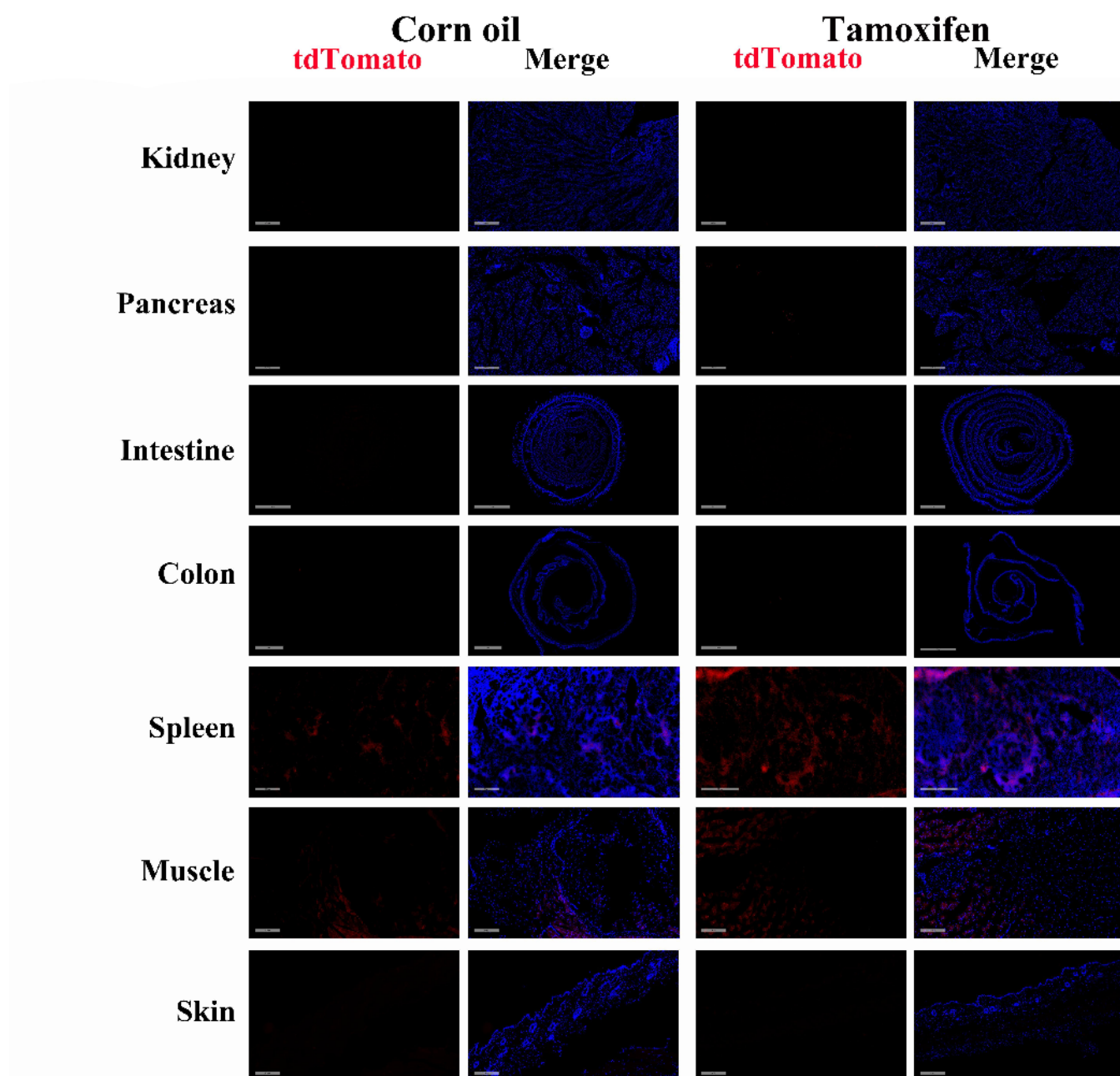


Fig2. Detection of tdTomato (red) in various tissues of *Atp4bCreERT2/+; Rosa26tdTomato/+* mice after tamoxifen treatment. Tdtomato was expressed in the glandular stomach. Tdtomato can also be detected in the pituitary, thymus, salivary glands, brown adipose tissue, spleen, pancreas, and muscle. Some leakiness was detected prior to tamoxifen exposure. TdTomato expression can not be detected in the brain, liver, lung, large intestine, small intestine, kidney or skin.