Atp4b-IRES-CreERT2

Nomenclature	C57BL/6Smoc-*Atp4b*$^{em1(IRES-CreERT2-WPRE-pA)Smoc}$
Cat. NO.	NM-KI-210118
Strain State	Embryo cryopreservation

Gene Summary

Gene Symbol **Atp4b**	**Synonyms**	AV080843
	NCBI ID	11945
	MGI ID	88114
	Ensembl ID	ENSMUSG00000031449
	Human Ortholog	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

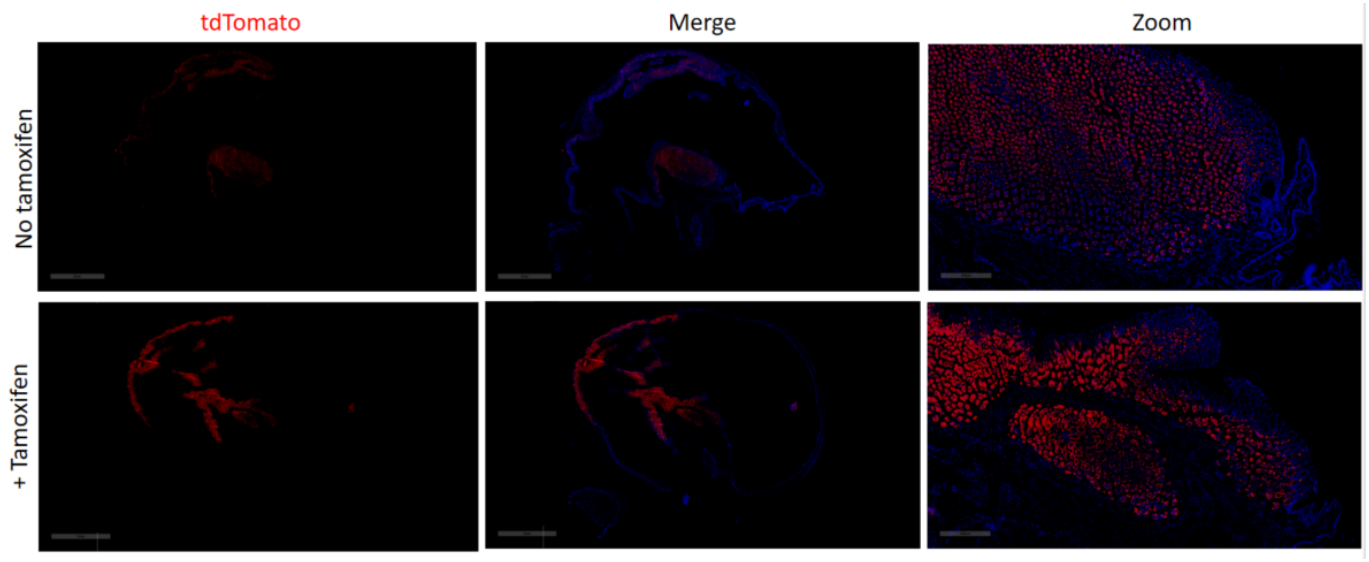
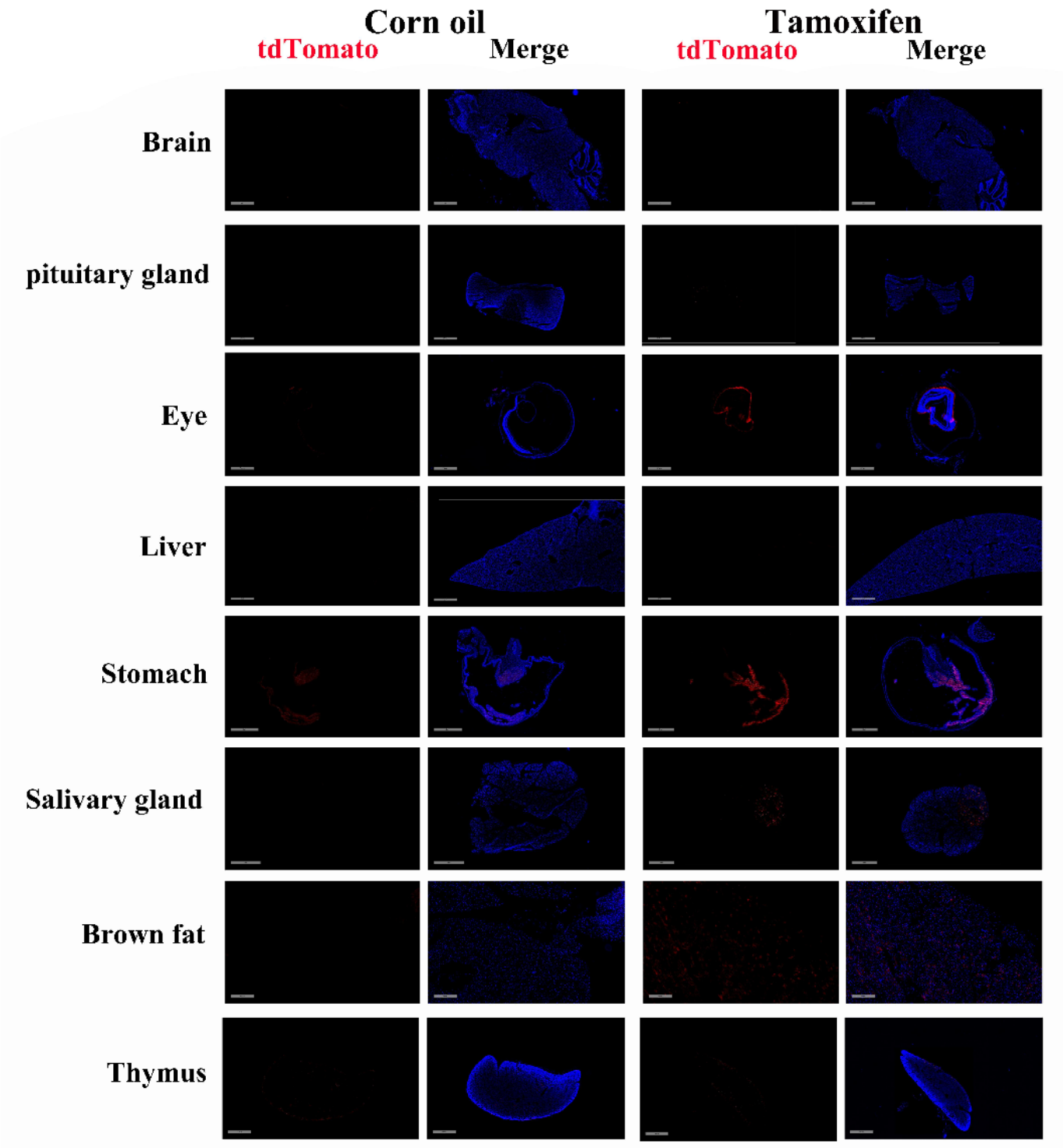


Fig1. CreERT2-mediated recombination in the stomach of Atp4b$^{CreERT2/+}$; Rosa26$^{tdTomato/+}$ mouse. TdTomato(red) expression can be detected in the stomach of Atp4b$^{CreERT2/+}$; Rosa26$^{tdTomato/+}$ mouse after tamoxifen treatment. Some leakiness was detected prior to tamoxifen exposure.


Corn oil
tdTomato
Merge
Tamoxifen
tdTomato
Merge
Brain
pituitary gland
Eye
Liver
Stomach
Salivary gland
Brown fat
Thymus

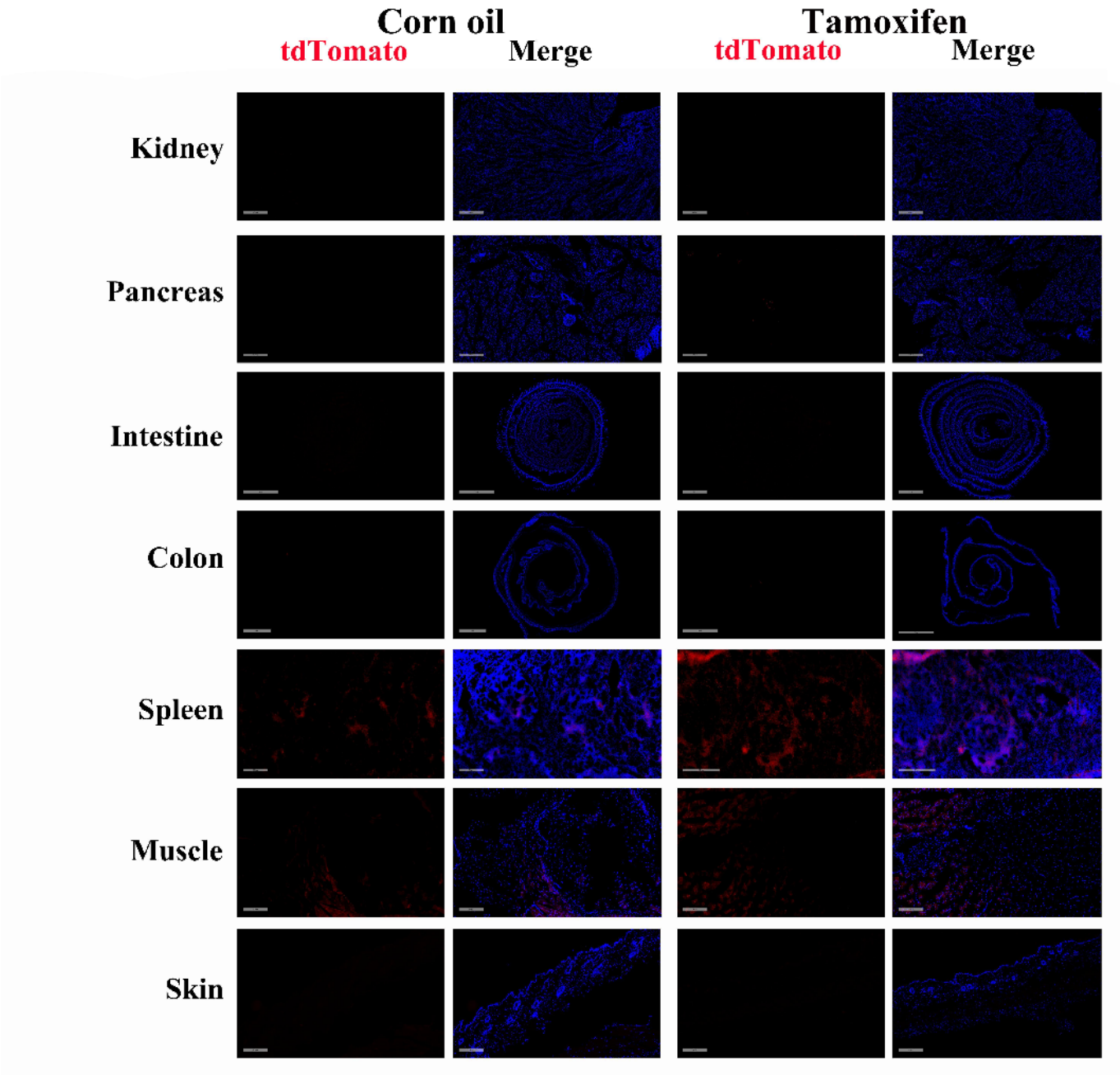


Fig2. Detection of tdTomato (red) in various tissues of Atp4b$^{CreERT2/+}$; Rosa26$^{tdTomato/+}$ mice after tamoxifen treatment. Tdtomato was expressed in the glandular stomach. Tdtomato can also be detected in the pituitary, thymus, salivary glands, brown adipose tissue, spleen, pancreas, and muscle. 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.