Col1a1-IRES-CreERT2

品系全名	C57BL/6Smoc-*Col1a1*$^{em(IRES-CreERT2)1Smoc}$
目录号	NM-KI-225031
品系状态	活体

基因信息

基因名 **Col1a1**	**基因曾用名**	Cola1; Mov13; Cola-1; Mov-13; Col1a-1
	NCBI ID	12842
	MGI ID	88467
	Ensembl ID	ENSMUSG00000001506
	人类同源基因	COL1A1

品系描述

将IRES-CreERT2插入到小鼠Col1a1基因终止密码子处。
应用领域：Cre工具鼠，成骨细胞
*使用本品系发表的文献需注明: Col1a1-IRES-CreERT2 mice (Cat. NO. NM-KI-225031) were purchased from Shanghai Model Organisms Center, Inc..

验证数据

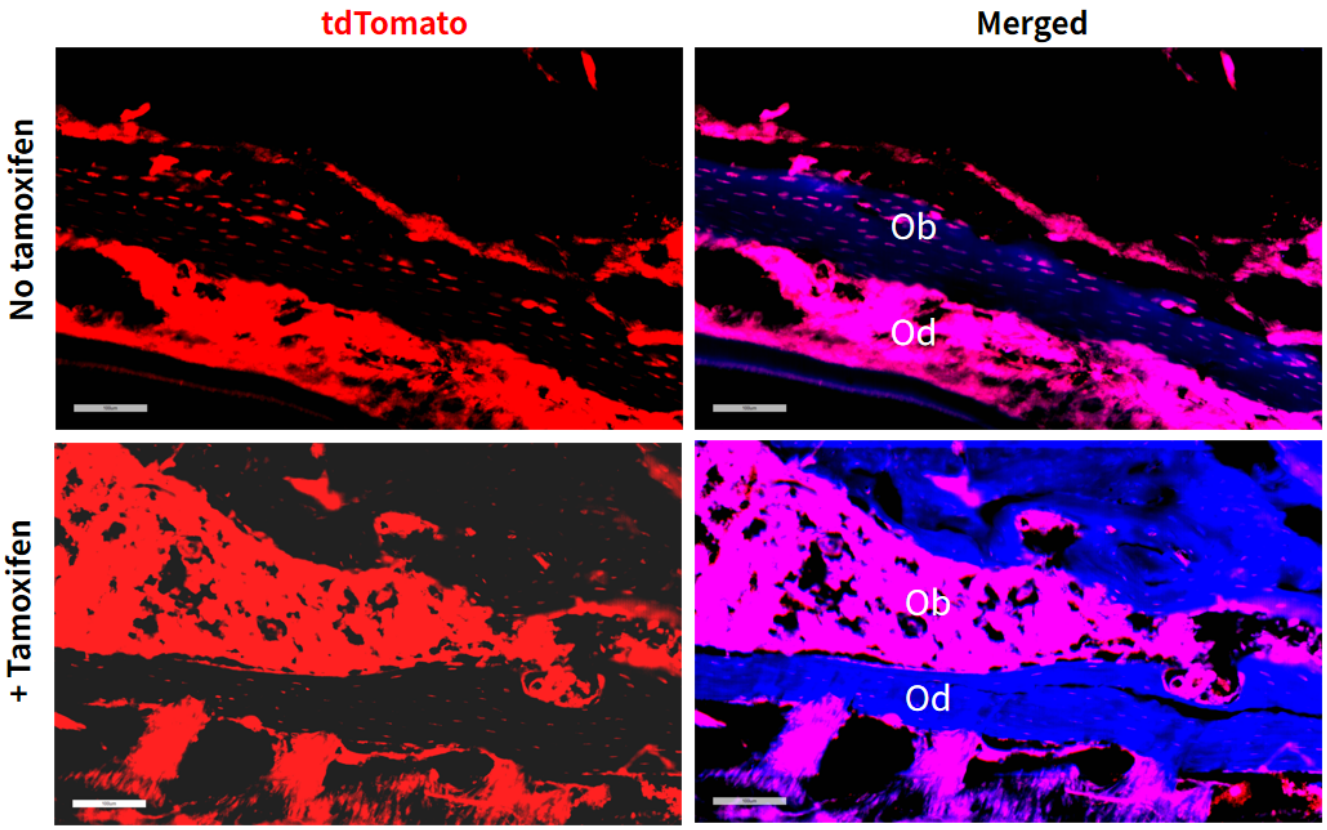


Fig1. Cre mediated recombination in thyroid of Col1a1$^{CreERT2/+}$;Rosa26$^{tdTomato/+}$ mouse.

Ob, osteoblasts; Od, odontoblasts

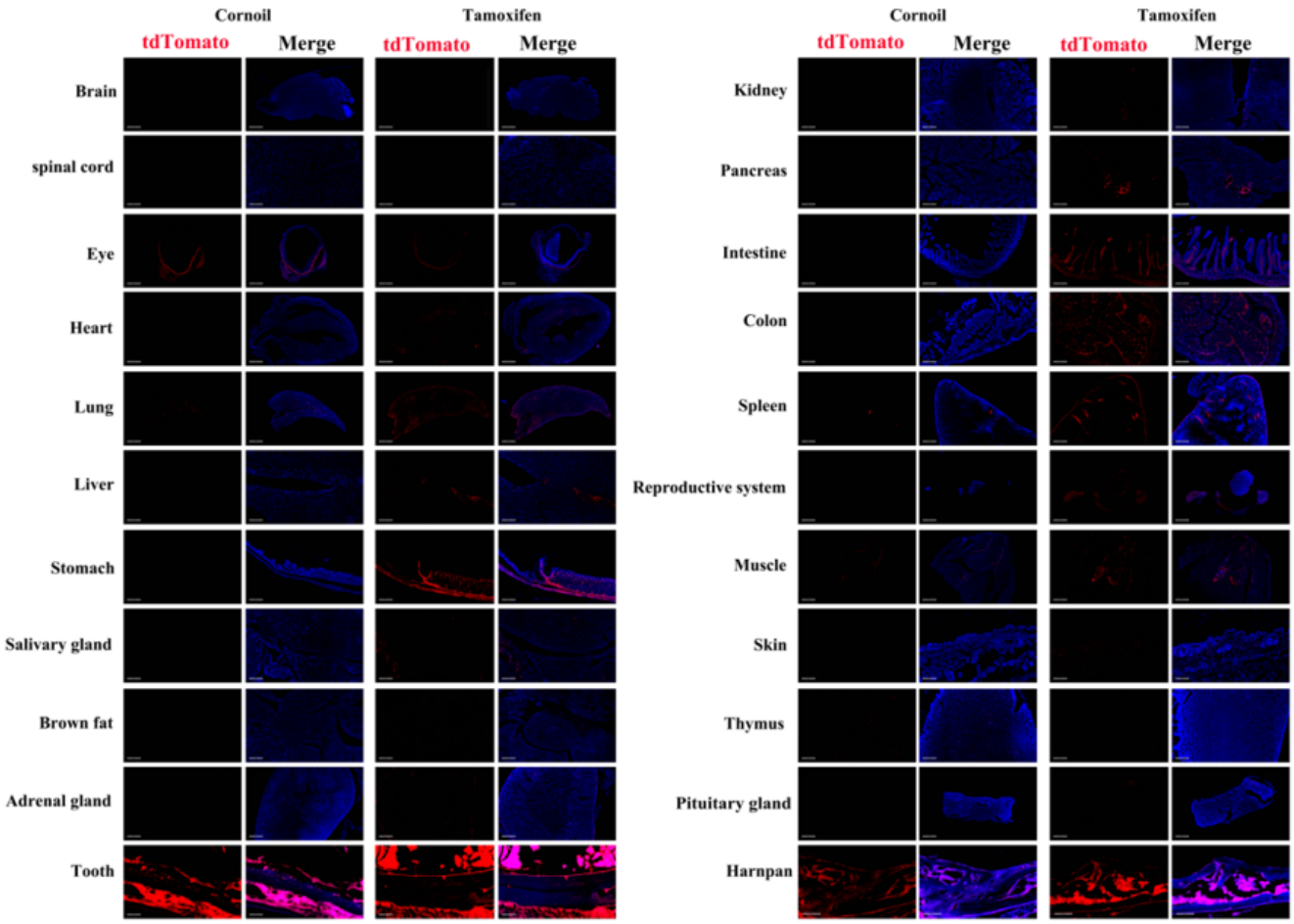


Fig2. Detection of tdTomato(red) in various tissues of Col1a1$^{CreERT2/+}$;Rosa26$^{tdTomato/+}$ mouse.
Expression tissues include: lung, stomach, teeth, pancreas, small intestine, colon, spleen, epididymis, skin, pituitary gland and skull. A few cells expressed in brain, eyeball, heart, liver, salivary gland, adrenal gland, kidney, muscle, thymus. Tissues that unexpressed include spinal cord, brown fat.The control group is expressed before induction. (39-days old, male) (For more detailed information please contact our technical advisor.)