

# Cyp19a1-IRES-Cre

|                     |                                                         |
|---------------------|---------------------------------------------------------|
| <b>Nomenclature</b> | C57BL/6Smoc- <i>Cyp19a1</i> <sup>em(IRES-Cre)Smoc</sup> |
| <b>Cat. NO.</b>     | NM-KI-215089                                            |
| <b>Strain State</b> | Repository Live                                         |

## Gene Summary

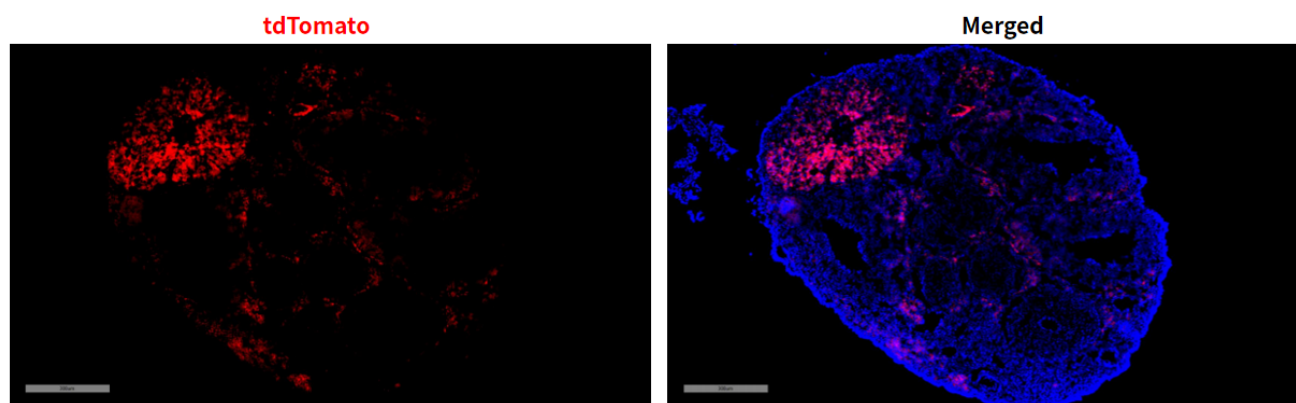
|                               |                       |                                        |
|-------------------------------|-----------------------|----------------------------------------|
| <b>Gene Symbol</b><br>Cyp19a1 | <b>Synonyms</b>       | Ar; ArKO; Int5; Cyp19; Int-5; p450arom |
|                               | <b>NCBI ID</b>        | <a href="#">13075</a>                  |
|                               | <b>MGI ID</b>         | <a href="#">88587</a>                  |
|                               | <b>Ensembl ID</b>     | <a href="#">ENSMUSG00000032274</a>     |
|                               | <b>Human Ortholog</b> | CYP19A1                                |

## Model Description

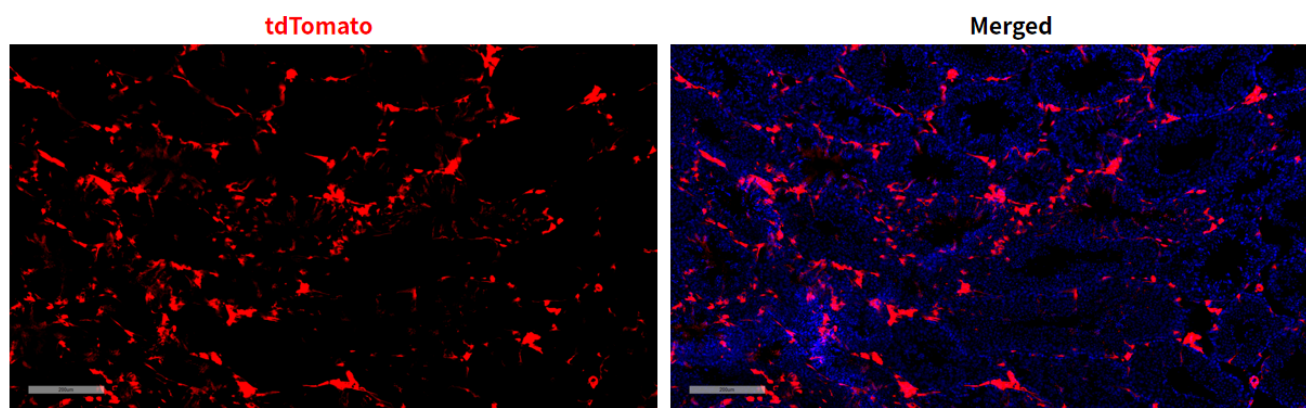
IRES-Cre expression cassette was knocked into the Cyp19a1 gene .

\*Literature published using this strain should indicate: Cyp19a1-IRES-Cre mice (Cat. NO. NM-KI-215089) were purchased from Shanghai Model Organisms Center, Inc..

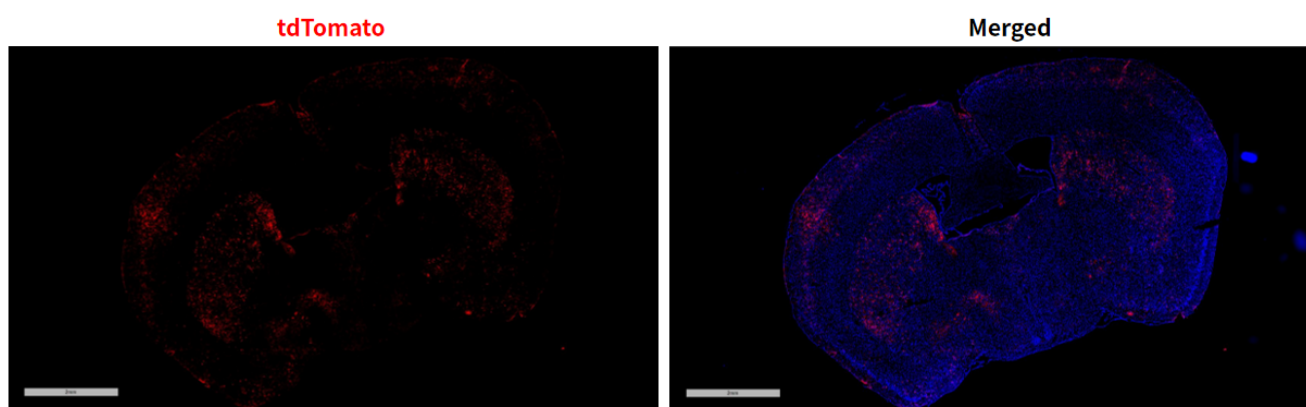
## Validation Data



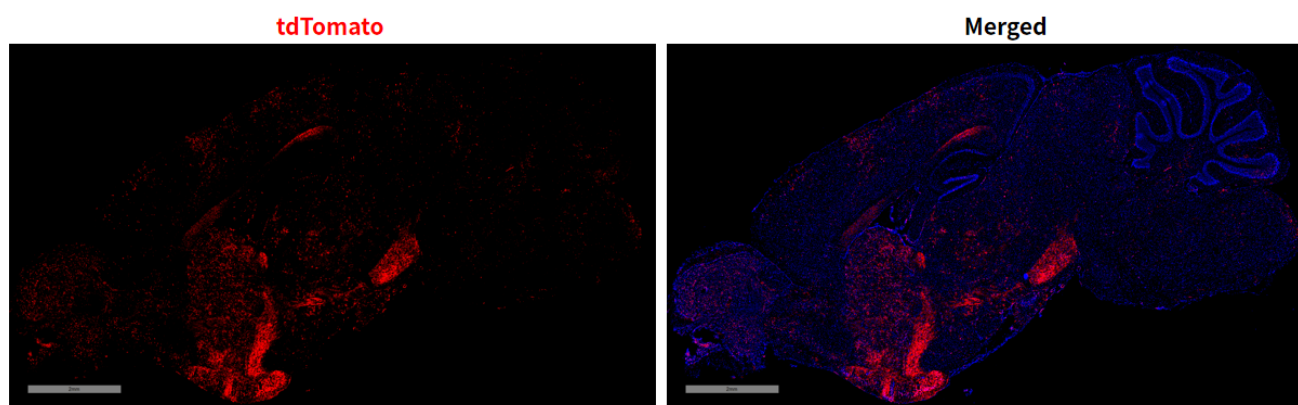
**Fig 1. Cre-mediated recombination in ovary of Cyp19a1<sup>Cre/+</sup>; Rosa26<sup>tdTomato/+</sup> mice.**



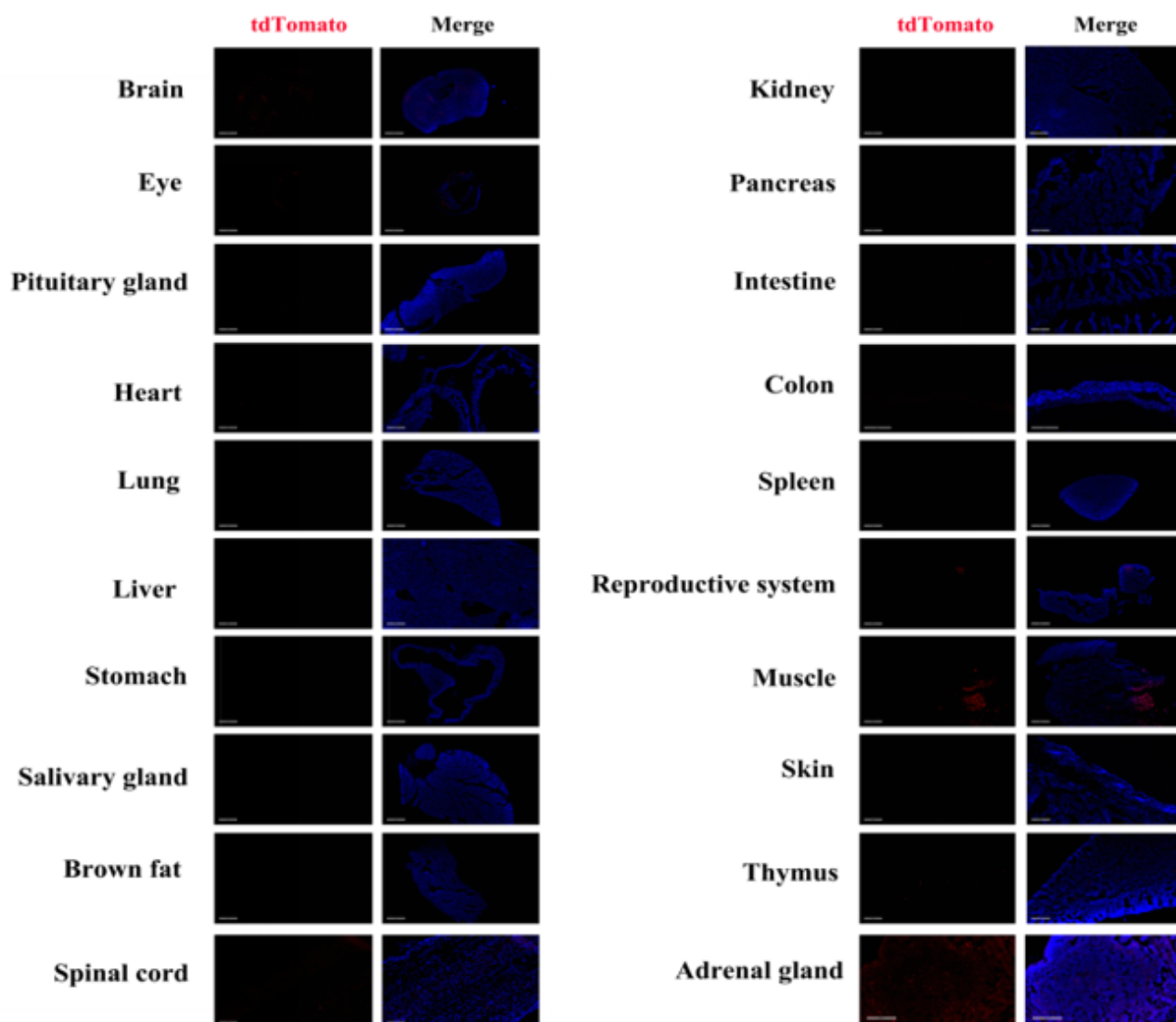
**Fig 2. Cre-mediated recombination in testis of Cyp19a1<sup>Cre/+</sup>; Rosa26<sup>tdTomato/+</sup> mice.**



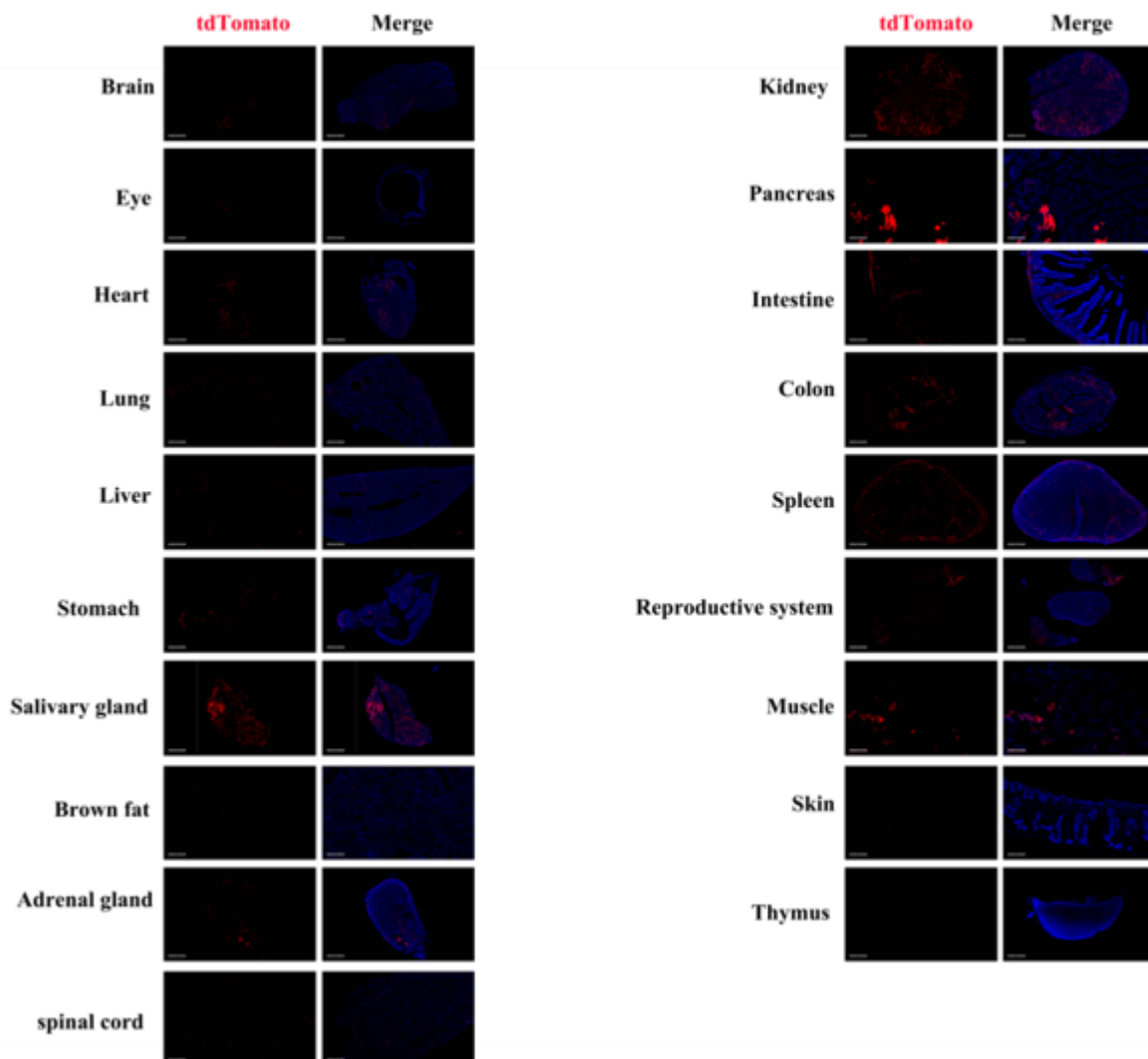
**Fig 3. Cre-mediated recombination in brain of Cyp19a1<sup>Cre/+</sup>; Rosa26<sup>tdTomato/+</sup> female mice.**



**Fig 4. Cre-mediated recombination in brain of Cyp19a1<sup>Cre/+</sup>; Rosa26<sup>tdTomato/+</sup> male mice.**



**Fig 5. Detection of tdTomato (red) in various tissues of  $Cyp19a1^{Cre/+}$ ;  $Rosa26^{tdTomato/+}$  female mice.**



**Fig 6. Detection of tdTomato (red) in various tissues of  $Cyp19a1^{Cre/+}$ ;  $Rosa26^{tdTomato/+}$  male mice.** Expression tissues include: brain, cornea, heart, lungs, liver, stomach, salivary glands, adrenal glands, kidneys, pancreas, small intestine, colon, spleen, testis, thymus. A few cells expressed in brown fat, spinal cord, muscle, skin. (12-week old, male) (For more detailed information please contact our technical advisor.)