

TECHNOLOGY ABSTRACT



(TetO)7-Cre Mice

Background

[Early restriction of peripheral and proximal cell lineages during formation of the lung - PMC](#)

These transgenic mice express Cre recombinase under the control of a tetracycline-responsive promoter element (TRE or tetO) and are an effective tool for generating inducible, tissue-specific, targeted mutants to study cell lineage during development. When bred with another transgenic mouse expressing reverse tetracycline-controlled transactivator protein (rtTA) or tetracycline-controlled transactivator protein (tTA), Cre mediated recombination in the resulting bitransgenic offspring can be regulated with the tetracycline analog, doxycycline.

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