

**STOCK** *Gt(ROSA)26Sor<sup>tm1(rtTA\*M2)Jae</sup>* *Col1a1<sup>tm4(tetO-Pou5f1,-Sox2,-Klf4,-Myc)Jae</sup>* /J

Stock No: **011011** | R26<sup>rtTA</sup>;Col1a1<sup>2lox-4F2A</sup>

Targeted Mutation

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

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[Myc] from the *Col1a1* locus. Somatic expression of these reprogramming factors allows multiple somatic cell types to be directly reprogrammed to generate induced pluripotent stem cells (iPSCs) by culture in dox. Because the reprogramming factors are flanked with *loxP* sites, exposure to Cre recombinase excises the reprogramming transgene; allowing the generation of vector-free iPSCs if needed.

### Donating Investigator

Rudolf Jaenisch, Whitehead Institute, Massachusetts Institute of Technology

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## GENETIC OVERVIEW

Genetic Background      Generation

*Col1a1<sup>tm4(tetO-Pou5f1,-Sox2,-Klf4,-Myc)Jae</sup>*

#### Alele Type

Targeted (Inducible, Inserted expressed sequence, RMCE-ready)

#### Gene Symbol

*Col1a1*

#### Gene Name

collagen, type I, alpha 1

*Gt(ROSA)26Sor<sup>tm1(rtTA\*M2)Jae</sup>*

#### Alele Type

Targeted (Transactivator)

#### Gene Symbol

*Gt(ROSA)26Sor*

#### Gene Name

gene trap ROSA 26, Philippe Soriano

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