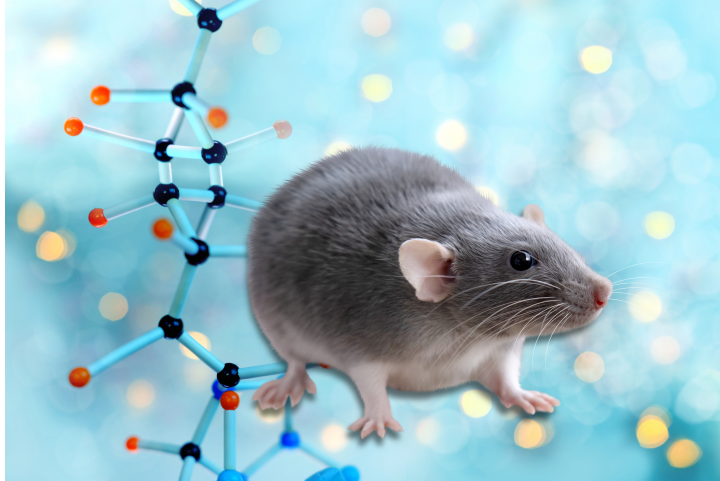




## Col2a1-tTA Transgenic Mice

TECHNOLOGY NUMBER: 2022-034



### Technology ID

2022-034

### Category

Research Tools and Reagents

### Further information

Emily Bowers

[bowersea@umich.edu](mailto:bowersea@umich.edu)

### Learn more



### INNOVATION

Col2a1-tTA transgenic mice express tTA (tetracycline-controlled transactivator) from the chondrocyte-specific mouse Col2a1 (collagen, type II, alpha 1) promoter/enhancer. When combined with a tetO/TRE transgene, expression of the target gene of interest can be blocked in chondrocytes by administration of doxycycline in a "Tet-Off" system. This mouse enables functional manipulation of chondrocytes.

### ADDITIONAL DETAILS

Jackson <https://www.jax.org/strain/035969>