

Resource Summary Report

Generated by [NIF](#) on Aug 7, 2026

B6.NOD-(D17Mit21-D17Mit10) Tg(TCRaAI4)1Dvs/DvsJ

RRID:IMSR_JAX:004554

Type: Organism

Proper Citation

RRID:IMSR_JAX:004554

Organism Information

URL: <https://www.jax.org/strain/004554>

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Description: Mus musculus with name B6.NOD-(D17Mit21-D17Mit10) Tg(TCRaAI4)1Dvs/DvsJ from IMSR.

Species: Mus musculus

Synonyms: B6.H2.AI4alpha. B6.NOD-(D17Mit21-D17Mit10) Tg(TCRaAI4)1Dvs

Notes: gene symbol note: histocompatibility-2; MHC|DNA segment; Chr 17; Massachusetts Institute of Technology 10|DNA segment; Chr 17; Massachusetts Institute of Technology 21|T cell receptor alpha chain|transgene insertion 1; David V Serreze; mutant strain|major histocompatibility congenic|congenic strain: H2|D17Mit10|D17Mit21|Tcra|Tg(TcraAI4)1Dvs

Affected Gene: histocompatibility-2; MHC|DNA segment; Chr 17; Massachusetts Institute of Technology 10|DNA segment; Chr 17; Massachusetts Institute of Technology 21|T cell receptor alpha chain|transgene insertion 1; David V Serreze

Genomic Alteration: g7 variant||transgene insertion 1; David V Serreze

Catalog Number: JAX:004554

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: B6.NOD-(D17Mit21-D17Mit10) Tg(TCRaAI4)1Dvs/DvsJ

Record Creation Time: 20250513T053645+0000

Record Last Update: 20260801T050349+0000

Ratings and Alerts

No rating or validation information has been found for B6.NOD-(D17Mit21-D17Mit10) Tg(TCRaAl4)1Dvs/DvsJ.

Warning: Warning. Researchers have noted that this genotype does not sufficiently model human type 1 diabetes mellitus.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We have not found any literature mentions for this resource.