

Resource Summary Report

Generated by [nidm-terms](#) on Aug 9, 2026

BUB/BnJ

RRID:IMSR_JAX:000653

Type: Organism

Proper Citation

RRID:IMSR_JAX:000653

Organism Information

URL: <https://www.jax.org/strain/000653>

Proper Citation: RRID:IMSR_JAX:000653

Description: Mus musculus with name BUB/BnJ from IMSR.

Species: Mus musculus

Synonyms: BUB/BnJ-Pde6b

Notes: gene symbol note: hemoglobin beta chain complex|adhesion G protein-coupled receptor V1|aryl-hydrocarbon receptor|phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide|MX dynamin-like GTPase 1|beta-2 microglobulin|cytochrome c oxidase subunit 7A2 like|latent transforming growth factor beta binding protein 4|cadherin related 23 (otocadherin)|interleukin 3 receptor; alpha chain; inbred strain: Hbb|Adgrv1|Ahr|Pde6b|Mx1|B2m|Cox7a2|Ltb4|Cdh23|Il3ra

Affected Gene: hemoglobin beta chain complex|adhesion G protein-coupled receptor V1|aryl-hydrocarbon receptor|phosphodiesterase 6B; cGMP; rod receptor; beta polypeptide|MX dynamin-like GTPase 1|beta-2 microglobulin|cytochrome c oxidase subunit 7A2 like|latent transforming growth factor beta binding protein 4|cadherin related 23 (otocadherin)|interleukin 3 receptor; alpha chain

Genomic Alteration: d|frings|b-2 variant|retinal degeneration 1|myxovirus susceptibility 1|a variant|long|Duchenne modifier 1 resistant|age related hearing loss 1|mutation 1

Catalog Number: JAX:000653

Database: JAX Mice and Services

Database Abbreviation: JAX

Availability: embryo

Organism Name: BUB/BnJ

Record Creation Time: 20250513T053620+0000

Record Last Update: 20260808T050823+0000

Ratings and Alerts

No rating or validation information has been found for BUB/BnJ.

No alerts have been found for BUB/BnJ.

Data and Source Information

Source: [Integrated Animals](#)

Source Database: JAX Mice and Services

Usage and Citation Metrics

We found 3 mentions in open access literature.

Listed below are recent publications. The full list is available at [nidm-terms](#) .

Ren W, et al. (2025) A tandem repeat atlas for the genome of inbred mouse strains: A genetic variation resource. iScience, 28(11), 113703.

Sheppard K, et al. (2022) Stride-level analysis of mouse open field behavior using deep-learning-based pose estimation. Cell reports, 38(2), 110231.

Molendijk J, et al. (2022) Proteome-wide systems genetics identifies UFMylation as a regulator of skeletal muscle function. eLife, 11.