

# Resource Summary Report

Generated by [dkNET](#) on Sep 7, 2026

## B6.129S6(D2)-Ptger4<sup>tm1.1Matb</sup>/BreyJ

RRID:IMSR\_JAX:028102

Type: Organism

### Proper Citation

RRID:IMSR\_JAX:028102

### Organism Information

**URL:** <https://www.jax.org/strain/028102>

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**Description:** Mus musculus with name B6.129S6(D2)-Ptger4<sup>tm1.1Matb</sup>/BreyJ from IMSR.

**Species:** Mus musculus

**Notes:** gene symbol note: prostaglandin E receptor 4 (subtype EP4); mutant strain|congenic strain: Ptger4

**Affected Gene:** prostaglandin E receptor 4 (subtype EP4)

**Genomic Alteration:** targeted mutation 1.1; Matthew D Breyer

**Catalog Number:** JAX:028102

**Database:** JAX Mice and Services

**Database Abbreviation:** JAX

**Availability:** sperm

**Organism Name:** B6.129S6(D2)-Ptger4<sup>tm1.1Matb</sup>/BreyJ

**Record Creation Time:** 20250513T053803+0000

**Record Last Update:** 20260905T044540+0000

### Ratings and Alerts

No rating or validation information has been found for B6.129S6(D2)-Ptger4<sup>tm1.1Matb</sup>/BreyJ.

No alerts have been found for B6.129S6(D2)-Ptger4<sup>tm1.1Matb</sup>/BreyJ.

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## Data and Source Information

**Source:** [Integrated Animals](#)

**Source Database:** JAX Mice and Services

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## Usage and Citation Metrics

We found 3 mentions in open access literature.

**Listed below are recent publications.** The full list is available at [dkNET](#) .

Wang YX, et al. (2025) Multiomic profiling reveals that prostaglandin E2 reverses aged muscle stem cell dysfunction, leading to increased regeneration and strength. Cell stem cell, 32(7), 1154.

Goepp M, et al. (2025) Age-related impairment of intestinal inflammation resolution through an eicosanoid-immune-microbiota axis. Cell host & microbe, 33(5), 671.

Mosleh E, et al. (2020) Ins1-Cre and Ins1-CreER Gene Replacement Alleles Are Susceptible To Silencing By DNA Hypermethylation. Endocrinology, 161(8).