

129P3/J-Chr 9 ^{C57BL/6ByJ} /MonMmjax
MMRRC Stock No: 36687-JAX | 129P3/J-Chr 9

 Consomic

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This strain represents one of a panel of consomic strains. Each strain carries a chromosome from the C57BL/6ByJ strain introgressed into a 129P3/J background. These strains represent a tool for dissection of quantitative trait loci. In particular, these two strains exhibit differences in body composition, alcohol consumption and taste responsiveness.

Donating Investigator

Alexander Bachmanov, Monell Chemical Senses Center

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GENETIC OVERVIEW

Genetic Background

Generation

Bwq6^{C57BL/6ByJ}

Alele Type

Gene Symbol

Gene Name

QTL

Bwq6

body weight, QTL 6

Adip20^{C57BL/6ByJ}

Alele Type

Gene Symbol

Gene Name

QTL

Adip20

adiposity 20

VIEW GENETICS

RESEARCH APPLICATIONS

Research Tools

Details

Detailed Description

This strain represents one of a panel of chromosome substitution (or consomic) strains. Each strain carries a chromosome from the C57BL/6ByJ strain introgressed into a 129P3/J background. These strains represent a tool for dissection of quantitative trait loci. In particular, these two strains exhibit differences in body composition, alcohol consumption and taste responsiveness. QTL have been identified on Chr 9 at NaCl taste threshold (*Nattq2*), body weight (*Bw16*), and adiposity (*Adip5*).

Development

Control Suggestions

Genetics

Bwq6^{C57BL/6ByJ}

Adip20^{C57BL/6ByJ}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

C O N T A C T T E C H N I C A L S U P P O R T

Genotyping Protocols

[Genotyping resources and troubleshooting](#)

Breeding Considerations

While maintaining a live colony, these mice are bred as sibling matings.

[Additional Breeding and Husbandry Support](#)

Citation

When using the 129P3/J-Chr 9 mouse strain in a publication, please [cite the originating article\(s\)](#) and include MMRRC stock #36687 in your Materials and Methods section.

Animal Health Reports

[Facility Barrier Level Descriptions](#)

Production of mice from cryopreserved embryos or sperm occurs in a maximum barrier room, [G200](#)

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LICENSING INFORMATION

Phone: 207-288-6470

Email: TechTran@jax.org

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