

C57BL/6ByJ-Chr 9^{129P3/J}/MonMmjax
MMRRC Stock No: 36690-JAX | C57BL/6ByJ-Chr 9

 Consomic

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This strain represents one of a panel of chromosome substitution (or consomic) strains. Each strain carries a chromosome from the 129P3/J strain introgressed into a C57BL/6ByJ 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 (*Natrq2*), body weight (*Bw16*), and adiposity (*Adip5*).

Donating Investigator

Alexander Bachmanov, Monell Chemical Senses Center

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GENETIC OVERVIEW

Genetic Background

Generation

Bwq6^{129P3/J}

Alele Type

Gene Symbol

Gene Name

QTL

Bwq6

body weight, QTL 6

Adip20^{129P3/J}

Alele Type

Gene Symbol

Gene Name

QTL

Adip20

adiposity 20

VIEW GENETICS

RESEARCH APPLICATIONS

Details

Detailed Description

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Development

Control Suggestions

Genetics

Bwq6^{129P3/J}

Adip20^{129P3/J}

Disease/Phenotype

Disease Terms

Research Areas By Phenotype

Mammalian Phenotype Terms by Genotype

References

Technical Support

CONTACT TECHNICAL SUPPORT

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 C57BL/6ByJ-Chr 9 mouse strain in a publication, please [cite the originating article\(s\)](#) and include MMRRRC stock #36690 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

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- By Gene
- By Collection




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