**Overview**

Also Known As: Jackson waltzer

These mice carry a spontaneous mutation at the Otx1 locus characterized by circular running and head shaking.
Mice homozygous for the Jackson waltzer mutation run in circles and shake their heads. The lateral semicircular canal and its cristae are absent, and the saccus and utriculus may be morphologically abnormal. However, hearing is unaffected. This phenotype is similar to that reported for the $Otx1^{tm1Asim}$ targeted mutation and complementation testing with this targeted mutation showed $j/v$ to be an allele of $Otx1$. (Note that C57BL/6J is homozygous for $ahl$, the age related hearing loss 1 mutation, which on this strain background causes progressive hearing loss with onset after 10 months of age.) Homozygotes can swim.
Genotyping Protocols
Genotyping resources and troubleshooting

Appearance
black, affected
Related Genotype: $a/a\ Otx1^{lv}/Otx1^{lv}$

black, unaffected
Related Genotype: $a/a\ Otx1^{lv}/+$

Citation
When using the Jackson waltzer mouse strain in a publication, please cite the originating article(s) and include JAX stock #000531 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

Pricing & Availability

Typically mice are recovered in 10-14 weeks. Contact Customer Service to place an order or for more information.

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<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
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<tr>
<td>Cryo Recovery</td>
<td>Progeny testing required but not provided. No genotyping assay is available for these recessive cryo-recovered animals of undefined genotype</td>
<td>$2,854.50</td>
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Related Strains

- All
- By Allele
- By Gene
- By Collection

All Related Strains

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