**Overview**

**Also Known As:** twitter

These mice carry a spontaneous, recessive mutation characterized by smaller body size, gaunt torso, frailty, and constant quivering.

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**GENETIC OVERVIEW**

- **Genetic Background**
- **Generation**
Mice homozygous for this recessive mutation are recognizable by 2.5 - 3 weeks of age by their smaller body size, gaunt torso, frailty, and constant quivering which is most obvious from the nose to the abdominal-thoracic area. Mutants also show poor ability to hold onto an edge with either their fore- or hindlimbs. Adult mutants may chatter excessively. Some homozygous mutants die before weaning; others survive through adulthood but they are unreliable breeders. *twit* has been mapped between the flanking markers *D14Mit44* and *D14Mit175* in the B band of Chr 14 at 22.9 Mb and 27.9 Mb, respectively.
Appearance
dilute brown nonagouti, affected
Related Genotype: $a/a$ Tyrp1$^d$/Tyrp1$^b$ Myo5a$^d$/Myo5a$^d$ twit/twit

dilute brown nonagouti, unaffected
Related Genotype: $a/a$ Tyrp1$^d$/Tyrp1$^b$ Myo5a$^d$/Myo5a$^d$ +/?

Citation
When using the twitter mouse strain in a publication, please cite the originating article(s) and include JAX stock #004416 in your Materials and Methods section.

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.

<table>
<thead>
<tr>
<th>SERVICE/PRODUCT</th>
<th>DESCRIPTION</th>
<th>PRICE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cryo Recovery</td>
<td>Heterozygous for twit</td>
<td>$2,854.50</td>
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Related Products and Services

<table>
<thead>
<tr>
<th>Product Type</th>
<th>Description</th>
<th>Price</th>
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</thead>
<tbody>
<tr>
<td>Frozen Mouse Embryo</td>
<td>D2(B6Ei)-twit/GrsrJ Frozen Embryos</td>
<td>$2,595.00</td>
</tr>
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</table>
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