This spontaneous mutation causes progressive quivering, runting, and premature death usually before 10 weeks of age.
Mice homozygous for the quivery runt mutation can be identified by three weeks of age by their runted appearance and quivering movement. The symptoms progress rapidly and homozygotes can die anytime after wean. Only a few have survived to ten weeks of age. Hearing loss has been found in some, but not all, homozygotes at 3 and 3.5 weeks of age.
Genotyping Protocols
Genotyping resources and troubleshooting

Breeding Considerations
Because of the severity of the phenotype and premature death this strain is maintained by breeding homozygous ovarian transplant hosts with C57BL/6J males and then intercrossing the obligate heterozygous offspring.

Additional Breeding and Husbandry Support
Mating System
Ovarian Transplant-Cross-Intercross

Citation
When using the B6(Cg)-qvyr/GrsrJ mouse strain in a publication, please cite the originating article(s) and include JAX stock #012875 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

Cryo Recovery
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>
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<tbody>
<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>
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Related Products and Services

<table>
<thead>
<tr>
<th>PRODUCT</th>
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<tbody>
<tr>
<td>Frozen Mouse Embryo</td>
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<tr>
<td>B6(Cg)-qvyr/GrsrJ Frozen Embryo</td>
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The Jackson Laboratory has rigorous genetic quality control and mutant gene genotyping programs to ensure the genetic background of JAX® Mice strains as well as the genotypes of strains with identified molecular mutations. JAX® Mice strains are only made available to researchers after meeting our standards. However, the phenotype of each strain may not be fully characterized and/or captured in the strain data sheets. Therefore, we cannot guarantee a strain's phenotype will meet all expectations. To ensure that JAX® Mice will meet the needs of individual research projects or when requesting a strain that is new to your research, we suggest ordering and performing tests on a small number of mice to determine suitability for your particular project.

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