This wild-derived inbred strain may be useful for genetic mapping studies.

**GENETIC OVERVIEW**

<table>
<thead>
<tr>
<th>Genetic Background</th>
<th>Generation</th>
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<tbody>
<tr>
<td></td>
<td>F111+F1</td>
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<tr>
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<td>(2019-06-12 00:00:00)</td>
</tr>
</tbody>
</table>

**RESEARCH APPLICATIONS**

Research Tools
Reproductive Biology Research

**BASE PRICE**

Starting at:

$218.00 Domestic price for female 5-week
PWK was derived from wild mice trapped near Prague, Czech Republic. PWK has a biochemical profile that is similar to the inbred strain PWD (also originating from the Czech Republic - Stock No. 004660) with the exception of the isoenzyme variant esterase 13 (Es13<sup>W</sup>). Wild-derived mice are genetically distinct from common laboratory mice for a number of complex phenotypic characteristics and are valuable tools for genetic mapping, evolution and systematics research.

In 2019-2020, researchers at The Jackson Laboratory discovered this inbred strain contains the \textit{Trem2}<sup>S148E</sup> allele - a naturally occurring variant at position 48351151-48351152 on Chr 17 (rs108080490 and rs107649577; Ensembl GRCm38.p6). This TC to GA transition results in a serine to glutamic acid substitution at amino acid 148 (S148E).
## Genotyping Protocols

**Standard PCR:**

GAL Control Validation

Genotyping resources and troubleshooting

## Mating System

Sibling x Sibling

**Appearance**

agouti

Related Genotype: A/A

## Citation

When using the PWK/PhJ mouse strain in a publication, please include JAX stock #003715 in your Materials and Methods section.

### Animal Health Reports

Facility Barrier Level Descriptions

- **AX18 (Maximum)**

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### Pricing & Availability

Live mice available in varying quantities. Ask Customer Service for details.

<table>
<thead>
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<th>AGE</th>
<th>SEX</th>
<th>PRICE</th>
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<tr>
<td>5 weeks</td>
<td>Female</td>
<td>$218.00</td>
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<tr>
<td></td>
<td>Male</td>
<td>$218.00</td>
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<tr>
<td>6 weeks</td>
<td>Female</td>
<td>$218.00</td>
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<tr>
<td></td>
<td>Male</td>
<td>$218.00</td>
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<tr>
<td>7 weeks</td>
<td>Female</td>
<td>$218.00</td>
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<td></td>
<td>Male</td>
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<tr>
<td>8 weeks</td>
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Pricing effective for USA, Canada and Mexico shipping destinations
### RELATED PRODUCTS AND SERVICES

<table>
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<th>SEX</th>
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<tr>
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<td>$218.00</td>
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<tr>
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</table>

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*General Terms and Conditions*

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All
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