## Table S1  Sequencing Summary

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<th>Lanes</th>
<th>Aligned Reads</th>
<th>Coverage</th>
<th>Average Depth</th>
<th>SNPs</th>
<th>Indels</th>
<th>Total SNPs/Indels</th>
<th>% of Total</th>
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<td>14,483</td>
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</tr>
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</tr>
</tbody>
</table>

Average depth is defined as number of aligned reads multiplied by the read length divided by the size of the X chromosome. Percent coverage is the amount of the X chromosome covered with at least 1 read. SNPs and indels for parental lines are defined as SNPs and indels compared to the published reference that differ between the two lines with a quality score $\geq 30$. SNPs and indels for progeny lines are defined as SNPs and indels that exist in the parents that were also seen in the progeny with a quality score $\geq 30$. 

D. E. Miller et al. 3 SI