Supplemental Fig. 2

A  sgRNA for Ninj2-KO

\[
\text{sgRNA#1} \quad 5'-CGCCTTCAGCCGCATGGCGT\text{TTGG-3'} \\
\text{sgRNA#2} \quad 5'-CTCTCACTACTACACCACCTGG\text{-3'}
\]

B  MCF7

<table>
<thead>
<tr>
<th>Iso. Ctrl</th>
<th>Ninj2-KO</th>
</tr>
</thead>
<tbody>
<tr>
<td>WT allele</td>
<td>KO allele</td>
</tr>
</tbody>
</table>

C  MCF7-Ninj2-KO (38nt out of frame deletion)

\[
\begin{align*}
\text{Ninj2-WT} & \quad 97650 \quad \text{GGCCCTGTTCATGTTCAACGCCATGCGGCGTGAAGGCAGTCGCTGGAG} \quad 97695 \\
\text{MCF7-Ninj2-KO} & \quad \text{GGCCCTGTTCATGTTCAACGCCATGCGG--} \quad \text{TGG--GCTGGAG----} \\
\text{Ninj2-WT} & \quad 97696 \quad \text{CTCTCACTACACCATACCACCTGGTCACCCTCATCA} \quad 97741 \\
\text{MCF7-Ninj2-KO} & \quad \text{--} \quad \text{CTACACCACCTGTCACCCTCATCA} \quad \text{--} \\
\end{align*}
\]