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Supplementary data for:

Microhomology mediated deletion and gene conversion in African trypanosomes

Lucy Glover, Junho Jun & David Horn*

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Table S1: MMEJ-junctions in 11 PES survivors.

Figure S1: Putative MMEJ-‘scars’ within VSG expression site sequences.

<table>
<thead>
<tr>
<th>Microhomology (MH) class</th>
<th>Junction type</th>
<th>Sum Survivors</th>
<th>RFP Δ</th>
<th>PAC Δ</th>
<th>Total Δ</th>
</tr>
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<td>227</td>
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<tr>
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<td>x</td>
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<td>58</td>
<td>454</td>
<td>522</td>
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<td>x</td>
<td>1</td>
<td>700</td>
<td>24</td>
<td>732</td>
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</tbody>
</table>

a The novel junction is illustrated below.
See Table 1 for other details.

Junction 15:

\[ R \text{GAATTGATATCAAGCTTATGGTCCGCTCCTC} \]
\[ GAATTGATATCAAGCCACGGTCCGCTCCTC \]
\[ P \text{CGGACGGAGTACAAGCCACGGTCCGCTCCTCGC} \]
Figure S1: Putative MMEJ-'scars' within VSG expression site (ES) sequences. The putative parental and deleted sequences are aligned. Microhomologies are on a grey background and are also illustrated on both DNA strands below each alignment (red lettering). * ESAG pseudogene in some or all ESs. ESs are polycistronic and telomeric; the arrow indicates the promoter. These deletions may have arisen following DSBR or during DNA replication.