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DOI: 10.1093/nar/gkq981

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Supplementary data for:

Microhomology mediated deletion and gene conversion in African trypanosomes

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

Table S1: MMEJ-junctions in 11 $P_{ES}$ survivors.

<table>
<thead>
<tr>
<th>Microhomology (MH) class</th>
<th>Junction type</th>
<th>Sum Survivors</th>
<th>$RFP \Delta$</th>
<th>$PAC \Delta$</th>
<th>Total $\Delta$</th>
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<td>291</td>
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<td></td>
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<td>1</td>
<td>227</td>
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<tr>
<td>10</td>
<td>x</td>
<td>1</td>
<td>58</td>
<td>454</td>
<td>522</td>
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<td>x</td>
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<td>700</td>
<td>24</td>
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</tbody>
</table>

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

Junction 15:

$R$ GAATTCGATATCAAGCTTATGGTGCGCTCCTC
GAATTCGATATCAAGCCACGGTGCGCTCGC

$P$ CGCACCAGAGTAACAAGCCACGGTGCGCTCGC

See Table 1 for other details.
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.