<table>
<thead>
<tr>
<th>Motif</th>
<th>Modification</th>
<th># in Genome</th>
<th>Native # Detected</th>
<th>Native % Detected</th>
<th>Tet1 # Detected</th>
<th>Tet1 % Detected</th>
</tr>
</thead>
<tbody>
<tr>
<td>5'−GATGC−3' 3'−CTACG−5'</td>
<td>6mA</td>
<td>7830 7830</td>
<td>7794 7785</td>
<td>99.5% 99.4%</td>
<td>7780 7779</td>
<td>99.4% 99.3%</td>
</tr>
<tr>
<td>5'−NNNNGATGCNNN−3' 3'−NNNNCTACGNNN−5'</td>
<td>6mA (+5 peak)</td>
<td>7830 7830</td>
<td>2934 159</td>
<td>37.5% 2.0%</td>
<td>2486 132</td>
<td>31.7% 1.7%</td>
</tr>
<tr>
<td>5'−GGCC−3' 3'−CGGG−5'</td>
<td>5mC</td>
<td>15207</td>
<td>1227</td>
<td>8.1%</td>
<td>7264</td>
<td>47.8%</td>
</tr>
<tr>
<td>5'−GGCC−3' 3'−CGGG−5'</td>
<td>5mC (+2 peak)</td>
<td>15207</td>
<td>660</td>
<td>4.3%</td>
<td>11663</td>
<td>76.7%</td>
</tr>
<tr>
<td>5'−NNNNGGGCCNNN−3' 3'−NNNNCGGNNN−5'</td>
<td>5mC (+6 peak)</td>
<td>15207</td>
<td>436</td>
<td>2.9%</td>
<td>1077</td>
<td>7.10%</td>
</tr>
<tr>
<td>5'−CTACG−3' 3'−GATGC−5'</td>
<td>Off Target</td>
<td>3662 3662</td>
<td>29 25</td>
<td>0.8% 0.7%</td>
<td>16 21</td>
<td>0.4% 0.6%</td>
</tr>
<tr>
<td>5'−NNNNCTACGNNN−3' 3'−NNNNGATGCNNN−5'</td>
<td>Off Target</td>
<td>3662 3662</td>
<td>103 29</td>
<td>2.8% 0.8%</td>
<td>58 61</td>
<td>1.6% 1.7%</td>
</tr>
<tr>
<td>5'−CCGG−3' 3'−GGGG−5'</td>
<td>Off Target</td>
<td>12671</td>
<td>139</td>
<td>1.1%</td>
<td>524</td>
<td>4.1%</td>
</tr>
<tr>
<td>5'−CCGG−3' 3'−GGGG−5'</td>
<td>Off Target</td>
<td>12671</td>
<td>124</td>
<td>1.0%</td>
<td>245</td>
<td>1.9%</td>
</tr>
<tr>
<td>5'−NNNNCGGNNN−3' 3'−NNNNGGCCNNN−5'</td>
<td>Off Target</td>
<td>12671</td>
<td>64</td>
<td>0.5%</td>
<td>95</td>
<td>0.7%</td>
</tr>
<tr>
<td>Unassigned</td>
<td>Off Target</td>
<td>8327763</td>
<td>51955</td>
<td>0.6%</td>
<td>38406</td>
<td>0.5%</td>
</tr>
</tbody>
</table>

Additional File 5