Supplementary Material For:

Polymerase chain displacement reaction

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Supplementary Table S1. Quantitative assays using PCDR reaction mix and different primer combinations.

<table>
<thead>
<tr>
<th>Copy number</th>
<th>F2, R2</th>
<th>F3, R1b</th>
<th>Cq number</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td>F3, R2</td>
<td>F3, R1b, R2</td>
</tr>
<tr>
<td>20,000</td>
<td>25.54 ± 0.25</td>
<td>23.22 ± 0.69</td>
<td>23.22 ± 1.01</td>
</tr>
<tr>
<td>2000</td>
<td>29.62 ± 0.17</td>
<td>26.73 ± 0.82</td>
<td>27.06 ± 0.89</td>
</tr>
<tr>
<td>200</td>
<td>31.89 ± 0.18</td>
<td>30.22 ± 0.85</td>
<td>30.27 ± 0.69</td>
</tr>
<tr>
<td>20</td>
<td>N.O.</td>
<td>32.58 ± 0.54</td>
<td>33.10 ± 1.51</td>
</tr>
<tr>
<td>Efficiency (%)</td>
<td>106.64</td>
<td>107.34</td>
<td>101.55</td>
</tr>
</tbody>
</table>

Amplifications were carried out using PCDR master mix with 10-fold dilutions of DENV3 template DNA, Den3-Cy5 probe, and primers: F2/R2; F3/R1b; F3/R2; F3/R1b/R2; or F2/F3/R2; as described in the Material and methods section. Cq values and efficiencies for each primer combination are shown. Cq values ± s.d are an average from three independent experiments; interassay coefficients of variation were 0.4–4.3%. The slope and y intercept of the standard curves are: F2/R2 = slope -3.17 and intercept 41.70; F3/R1b = slope -3.16 and intercept 39.24; F3/R2 = slope -3.29 and intercept 39.91; F3/R1b/R2 = slope -3.29 and intercept 38.31; F2/F3/R2 = slope -3.26 and intercept 40.22. No Cq values were obtained for NTC. N.O., not obtained.