Additional file 7. Multivariable regression model of the contribution of miR expression to clinical papillary hypertrophy score.

<table>
<thead>
<tr>
<th>Independent variable</th>
<th>Adjusted OR(^a)</th>
<th>95% CI(^b)</th>
<th>P value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Age (years)</td>
<td>1.247</td>
<td>1.034 – 1.503</td>
<td>0.0210</td>
</tr>
<tr>
<td>Gender (Male)</td>
<td>1.145</td>
<td>0.536 – 2.446</td>
<td>0.7266</td>
</tr>
<tr>
<td>Ct load(^c)</td>
<td>1.256</td>
<td>1.053 – 1.498</td>
<td>0.0113</td>
</tr>
<tr>
<td>miR-155</td>
<td>2.533</td>
<td>1.291 – 4.971</td>
<td>0.0069</td>
</tr>
<tr>
<td>miR-184</td>
<td>0.416</td>
<td>0.300 – 0.578</td>
<td>1.61*10(^{-7})</td>
</tr>
<tr>
<td>miR-150</td>
<td>0.654</td>
<td>0.349 – 1.227</td>
<td>0.1861</td>
</tr>
<tr>
<td>miR-181a</td>
<td>1.195</td>
<td>0.600 – 2.382</td>
<td>0.6118</td>
</tr>
<tr>
<td>miR-181b</td>
<td>1.623</td>
<td>0.779 – 3.381</td>
<td>0.1962</td>
</tr>
<tr>
<td>miR-142</td>
<td>1.369</td>
<td>0.794 – 2.357</td>
<td>0.2582</td>
</tr>
<tr>
<td>miR-4728</td>
<td>0.718</td>
<td>0.479 – 1.076</td>
<td>0.1084</td>
</tr>
</tbody>
</table>

Collapsed papillary hypertrophy score (P0, P1 or P2/3, as defined by the WHO 1981 FPC scoring system) was used as an ordinal outcome variable to define trachomatous inflammation in 163 clinical samples. Age, gender, Ct load and inverted ΔCT values (40-ΔCT) of miR are included as independent variables. Model AIC (Akaike information criterion) is 227.3725.

\(^a\)OR= Odds ratio, \(^b\)CI= confidence intervals, \(^c\)Ct load is defined as log-(e) omcB copies/swab.