PfMDR-1
86Y – 184F – D1246

Group no. 4

Nov 2018
Methodology

Database: PUBMED

Steps:
- Pfmdr1 and Tanzania – 25 results. Exclude results before 2010, outside target location and or older samples
  = 4 (8) papers
- Pfmdr1 AND Kenya, time filter 01 Jan 2010 – 34 results. Exclude in-vitro studies results and other irrelevant results
  = 5(6) papers
Key

○ = 86Y

★ = 184F

△ = D1246
<table>
<thead>
<tr>
<th>Country</th>
<th>Location</th>
<th>Year</th>
<th>Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kenya</td>
<td>Kombewa, Kakamega</td>
<td>2015</td>
<td>Hemming-Schroeder 2015 et al, American Journal of Tropical Medicine and Hygiene 98(3)</td>
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<tr>
<td>Tanzania</td>
<td>Korogwe</td>
<td>2010</td>
<td>Thomsen et al 2011, American Journal of Tropical Medicine and Hygiene 85(6)</td>
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</tbody>
</table>
Challenges/Limitations

- **Original data** in some papers is missing and complicated data e.g. mixed/combined mutations

- **Comparison** between studies is difficult:
  - Some studies presented focused on one SNP while others on all three
  - Different years data aggregated
  - Different no. of samples

- **TIME!** – A lot more literature may be left out

- Most studies concentrated around **similar sites**
  - Kenya – Kisumu
  - Tz – Mwanza and Tanga
  - etc
Asante!