

Description of Additional Supplementary Files

Supplementary Data 1. Publicly available genomes used to design MIPs.

Supplementary Data 2. All mutations detected in antimalarial resistance orthologs.

Supplementary Data 3. All mutations detected in blood-stage vaccine targets.

Supplementary Data 4. Probe sequences for PvG panel.

Supplementary Data 5. Probe sequences for PvFST panel.

Supplementary Data 6. Probe sequences for PvMAF5 panel.

Supplementary Data 7. Probe sequences for PvMAF40 panel.