**Supplementary file 1.** Resistance genotype profiles of parasites from Guyana and French Guiana.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Protein** | **Mutation** | **Entire sample set from Guyana**(n=53) | ***pfk13*mutant** (n=13) | **O141-A\*** | **R086\*** |
| WT frequency | Mutant frequency |
| **PfCRT** | C72S | 0 | 1 | S | S | S |
| V73V | 1 | 0 | V | V | V |
| M74I | 1 | 0 | M | M | M |
| N75E | 1 | 0 | N | N | N |
| K76T | 0 | 1 | T | T | T |
| C350R | 0.58 | 0.42 | C | C | R |
| **PfDHFR** | N51I | 0 | 1 | I | I | I |
| C59R | 1 | 0 | C | C | C |
| S108N | 0 | 1 | N | N | N |
| I164L | 1 | 0 | I | I | I |
| **PfDHPS** | S436F | 1 | 0 | S | S | S |
| A437G | 0 | 1 | G | G | G |
| K540E | 0 | 1 | E | E | E |
| A581G | 0 | 1 | G | G | G |
| A613T/S | 1 | 0 | A | A | A |
| **PfMDR1** | N86Y | 1 | 0 | N | N | N |
| Y184F | 0 | 1 | F | F | F |
| S1034C | 0.92 | 0.08 | S | C | S |
| N1042D | 0 | 1 | D | D | D |
| D1246Y | 0 | 1 | Y | Y | Y |

 \*: Parasites from French Guiana used for gene editing.