Table S2. Univariate mixed-effects logistic regression for *dhfr* and *dhps* mutations in *P. falciparum* positive samples

Odds ratios (OR) with 95% CI and *p* values are presented of univariate models (*p* values <0.05 in bold).

| *dhfr* | | N51 | | | | C59 | | | | S108 | | | | triple *dhfr* | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Fixed effect(s) | Samples | OR | [95% CI] | | p | OR | [95%CI] | | p | OR | [95%CI] | | p | OR | [95%CI] | | p |
| Age (per 10 years) | ANC | 0.59 | 0.42 | 0.84 | **0.004** | 0.70 | 0.48 | 1.01 | 0.058 | 0.78 | 0.54 | 1.15 | 0.213 | 0.61 | 0.43 | 0.86 | **0.005** |
| | Del | 1.32 | 0.80 | 2.17 | 0.279 | 1.75 | 0.92 | 3.33 | 0.087 | 2.30 | 1.09 | 4.83 | **0.028** | 1.32 | 0.81 | 2.15 | 0.265 |
| | GP | 1.01 | 0.86 | 1.18 | 0.949 | 0.89 | 0.76 | 1.05 | 0.175 | 0.85 | 0.72 | 1.02 | 0.079 | 1.03 | 0.88 | 1.20 | 0.729 |
| Parasitaemia (log scale) | ANC | 1.20 | 0.95 | 1.53 | 0.133 | 1.01 | 0.78 | 1.30 | 0.965 | 1.02 | 0.79 | 1.33 | 0.859 | 1.20 | 0.94 | 1.52 | 0.136 |
| | Del | 0.80 | 0.61 | 1.03 | 0.086 | 0.84 | 0.61 | 1.15 | 0.280 | 0.72 | 0.51 | 1.03 | 0.073 | 0.83 | 0.64 | 1.07 | 0.154 |
| | GP | 1.16 | 0.89 | 1.52 | 0.270 | 1.17 | 0.88 | 1.57 | 0.278 | 1.27 | 0.92 | 1.75 | 0.148 | 1.15 | 0.90 | 1.49 | 0.269 |
| Gravidity | ANC | 0.92 | 0.83 | 1.02 | 0.100 | 0.93 | 0.84 | 1.04 | 0.212 | 0.97 | 0.86 | 1.08 | 0.569 | 0.91 | 0.82 | 1.01 | 0.075 |
| | Del | 1.20 | 1.03 | 1.41 | **0.021** | 1.27 | 1.04 | 1.56 | **0.020** | 1.39 | 1.09 | 1.77 | **0.009** | 1.20 | 1.03 | 1.40 | **0.019** |
| Season# | ANC | 1.00 | 0.66 | 1.52 | 0.990 | 1.01 | 0.64 | 1.57 | 0.975 | 1.00 | 0.63 | 1.59 | 0.994 | 0.98 | 0.65 | 1.48 | 0.926 |
| | Del | 3.98 | 1.67 | 9.53 | **0.002** | 4.98 | 1.86 | 13.37 | **0.001** | 5.42 | 2.05 | 14.29 | **0.001** | 4.37 | 1.77 | 10.8 | **0.001** |
| SP doses | Del | 1.01 | 0.71 | 1.42 | 0.966 | 1.26 | 0.80 | 2.00 | 0.320 | 1.41 | 0.83 | 2.41 | 0.204 | 0.97 | 0.88 | 0.70 | 0.881 |
| AL | Del | 0.33 | 0.17 | 0.64 | **0.001** | 0.59 | 0.27 | 1.30 | 0.190 | 0.61 | 0.26 | 1.45 | 0.268 | 0.37 | 0.19 | 0.70 | **0.002** |
| Visit | ANC & Del* | 1.54 | 0.97 | 2.47 | 0.069 | 2.09 | 1.17 | 3.75 | **0.013** | 2.64 | 1.20 | 5.81 | **0.016** | 1.52 | 1.04 | 2.21 | **0.029** |
| | ANC & GP** | 1.93 | 1.39 | 2.68 | **0.000** | 1.95 | 1.37 | 2.79 | **0.000** | 2.22 | 1.52 | 3.25 | **0.000** | 1.79 | 1.30 | 2.45 | **0.000** |
| | GP & Del*** | 0.76 | 0.50 | 1.15 | 0.201 | 1.02 | 0.63 | 1.64 | 0.950 | 1.01 | 0.60 | 1.70 | 0.980 | 0.84 | 0.56 | 1.26 | 0.394 |

| *dhps* | | S436 | | | | A437 | | | |
|---|---|---|---|---|---|---|---|---|---|
| Fixed effect(s) | Samples | OR | [95% CI] | | p | OR | [95%CI] | | p |
| Age (per 10 years) | ANC | 1.08 | 0.73 | 1.60 | 0.696 | 0.79 | 0.52 | 1.19 | 0.266 |
| | Del | 1.12 | 0.67 | 1.87 | 0.653 | 0.68 | 0.31 | 1.48 | 0.325 |
| | GP | 0.86 | 0.75 | 0.99 | **0.042** | 0.91 | 0.77 | 1.08 | 0.284 |
| Parasitaemia (log scale) | ANC | 1.31 | 1.00 | 1.72 | 0.052 | 1.13 | 0.84 | 1.52 | 0.429 |
| | Del | 1.04 | 0.80 | 1.36 | 0.753 | 0.85 | 0.59 | 1.23 | 0.395 |
| | GP | 1.18 | 0.90 | 1.53 | 0.229 | 1.35 | 0.98 | 1.84 | 0.062 |
| Gravidity | ANC | 0.97 | 0.87 | 1.08 | 0.583 | 0.95 | 0.84 | 1.07 | 0.418 |
| | Del | 1.05 | 0.90 | 1.22 | 0.563 | 0.92 | 0.73 | 1.15 | 0.453 |
| Season# | ANC | 1.47 | 0.92 | 2.36 | 0.109 | 0.71 | 0.42 | 1.18 | 0.184 |
| | Del | 2.05 | 084 | 4.99 | 0.113 | 1.52 | 0.43 | 5.38 | 0.518 |
| SP doses | Del | 0.97 | 0.69 | 1.36 | 0.848 | 1.43 | 0.81 | 2.53 | 0.216 |
| AL | Del | 0.73 | 0.37 | 1.43 | 0.357 | 0.44 | 0.17 | 1.12 | 0.085 |
| Visit | ANC & Del* | 1.06 | 0.64 | 1.75 | 0.823 | 1.72 | 1.03 | 2.85 | **0.037** |
| | ANC & GP** | 1.57 | 1.11 | 2.23 | **0.010** | 1.44 | 0.98 | 2.12 | 0.066 |
| | GP & Del*** | 0.69 | 0.46 | 1.05 | 0.086 | 1.17 | 0.68 | 2.01 | 0.568 |

AL = artemether-lumefantrine therapy; Del = delivery; # low transmission season = 0, high transmission season = 1; *ANC booking = 0, Delivery = 1; **ANC booking = 0, GP = 1; *** GP = 0, Del = 1