Table S9. Multivariate mixed effects logistic regression for *dhfr* and *dhps* gene mutations in pregnant women sampled at ANC booking and the GP (pure mutants versus wild type/mixed)

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

| *dhfr* Fixed effect(s) | N51 OR | [95% CI] | | *p* | C59 OR | [95%CI] | | *p* | S108 OR | [95%CI] | | *p* | triple *dhfr* OR | [95%CI] | | *p* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Age | 0.80 | 0.57 | 1.13 | 0.213 | 0.91 | 0.64 | 1.29 | 0.603 | 0.92 | 0.65 | 1.31 | 0.656 | 0.81 | 0.57 | 1.15 | 0.237 |
| Season# | 1.18 | 0.78 | 1.77 | 0.430 | 1.15 | 0.76 | 1.74 | 0.511 | 1.21 | 0.80 | 1.83 | 0.361 | 1.30 | 0.86 | 1.96 | 0.216 |
| Visit* | 1.24 | 0.85 | 1.81 | 0.254 | 1.12 | 0.76 | 1.64 | 0.566 | 1.03 | 0.71 | 1.51 | 0.857 | 1.17 | 0.80 | 1.72 | 0.409 |
| VisitXage | 1.42 | 0.98 | 2.06 | 0.062 | 1.15 | 0.79 | 1.67 | 0.472 | 1.08 | 0.75 | 1.56 | 0.685 | 1.46 | 1.00 | 2.12 | 0.050 |
| - Age in GP samples | 1.14 | 1.00 | 1.30 | **0.046** | 1.05 | 0.92 | 1.19 | 0.511 | 1.00 | 0.88 | 1.14 | 0.971 | 1.18 | 1.03 | 1.34 | **0.014** |

| *dhps* Fixed effect(s) | S436 OR | [95% CI] | | *p* | A437 OR | [95%CI] | | *p* |
|---|---|---|---|---|---|---|---|---|
| Age | 1.24 | 0.87 | 1.75 | 0.231 | 0.91 | 0.63 | 1.31 | 0.626 |
| Season# | 1.47 | 0.97 | 2.24 | 0.069 | 0.76 | 0.49 | 1.19 | 0.228 |
| Visit* | 0.93 | 0.64 | 1.35 | 0.690 | 0.76 | 0.50 | 1.15 | 0.198 |
| VisitXage | 0.82 | 0.56 | 1.18 | 0.286 | 1.32 | 0.89 | 1.96 | 0.161 |
| - Age in GP samples | 1.01 | 0.89 | 1.15 | 0.863 | 1.21 | 1.05 | 1.40 | **0.010** |

#dry season = 0, rainy season = 1; *ANC booking = 0, GP = 1; age centred at 25 years