

Table S3: Genetic diversity parameters of *GSTe2* gene across Africa.

| Location | N | S* | h (Hd) | Syn | NSyn | π (k) | D | F* |
|----------------|-----|----|-----------|-----|--|---------------|---------------------|---------------------|
| Benin | 24 | 1 | 2 (0.16) | 0 | 1 (N35K) | 0.0002 (0.16) | -0.68 ^{ns} | 0.31 ^{ns} |
| Ghana | 16 | 19 | 12 (0.92) | 3 | 2 (L119F, E132K) | 0.007 (4.82) | -0.81 ^{ns} | -0.58 ^{ns} |
| Mount Cameroon | 72 | 14 | 13 (0.57) | 6 | 2 (D61E, L119F) | 0.002 (1.36) | -1.62 ^{ns} | -1.02 ^{ns} |
| North Cameroon | 12 | 16 | 8 (0.85) | 6 | 7 (K79R, K79S, G81S, L119F, T146K, E197Q, G202S) | 0.006 (4.26) | -0.85 ^{ns} | -0.30 ^{ns} |
| Malawi | 18 | 22 | 10 (0.88) | 3 | 8 (L36R, H69P, R110Q, R112P, K128E, N129D, E132K, T146K) | 0.007 (5.27) | -0.69 ^{ns} | -0.08 ^{ns} |
| Mozambique | 10 | 13 | 8 (0.96) | 2 | 0 | 0.005 (3.36) | -1.47 ^{ns} | -1.69 ^{ns} |
| Uganda | 10 | 17 | 9 (0.98) | 0 | 3 (D40E, L119F, L175P) | 0.009 (6.67) | 0.51 ^{ns} | 0.27 ^{ns} |
| <i>All</i> | 162 | 58 | 53 (0.86) | 15 | 18 | 0.005 (3.72) | -2.03* | -2.09 ^{ns} |

N = number of sequences (2n); S*, number of polymorphic sites; h, number of haplotypes (Hd = haplotype diversity); Syn, Synonymous mutations; NSyn, Non-synonymous mutations; π , nucleotide diversity (k = mean number of nucleotide differences); D and F* Tajima's and Fu and Li's statistics; ns, not significant; *, $0.01 < p < 0.05$.