

Description of Additional Supplementary Files

Supplementary Data 1. *Aedes aegypti* samples used in genomic analyses.

GST sweep indicates individuals with two copies of the GST haplotype, while * indicates individuals missing or heterozygous at one SNP. For other mutations wt = susceptible wild type.

Supplementary Data 2. *Aedes albopictus* samples used in genomic analyses.

wt = susceptible homozygous wild type genotype for F1534C polymorphism.

Supplementary Data 3. Number screened and frequencies of each VSSC allele in *Aedes aegypti*

Populations are the same as in Supplementary Data 1.

Supplementary Data 4. Number screened and frequencies of each VSSC allele in *Aedes albopictus*

Populations are the same as in Supplementary Data 2.

Supplementary Data 5. List of SNP positions on chromosome 3 strongly associated with region 'ii' in Fig 3(b,c)

Supplementary Data 6. List of genes indicated in Fig 5d (i-v).

Supplementary Data 7. List of SNP positions on chromosome 2 strongly associated with region 'i' in Fig 3(b,c)

Supplementary Data 8. List of genes indicated in Fig 6d (i-ii). (ii) Lists the 15 glutathione S-transferase (GST) genes

Supplementary Data 9. List of genes indicated in Fig 9

CHR = chromosome. POS = position on chromosome. LOC = gene identity. Symbol = symbol used in Fig 9.

Supplementary Data 10. List of genes indicated in Fig 10g

CHR = chromosome and contig. POS = position on contig. LOC = gene identity. Symbol = symbol used in Fig 10g.

Supplementary Code 1

Code used in processing, analysis, and plotting