

PANEL OF MICROSATELLITE LOCI

(Format data Ms Toolkit 3.1.1)



GENETIC DIVERSITY



MULTIPLICITY OF INFECTION

(Arlequin 3.5.1.2)



LINKAGE DISEQUILIBRIUM

(LIAN 3.5 and Arlequin 3.5.1.2)



CLUSTER DETERMINATION

Structure 2.3.3

Fstat 2.9.3.2

Population information

- Neutral ms loci

Locus information

- Allele frequency and distribution
- H_e
- Low frequency alleles
- Variable vs Conserved loci

Haplotype determination

(single infections)

Selection (if using linked loci)

Non-random mating (neutral loci)

Neutral ms loci



Population structure

- Clonal expansions
- Imported cases



Haplotypic differentiation

- Reinfection vs Recrudescence



Drug Resistant lineages

Flanking ms loci