Anopheles merus Doenitz (Cellia)

Strain Name: OPHANSI
Place of Origin: Kwa-Zulu, Natal, South Africa
Colonization date: 1992
Established by: Malaria Research Centre
Deposited by: Dr. Rajendra Maharaj

Genotype: no information
Phenotype: polymorphic for c+ (collarless)
Karyotype: undefined
Insecticide Resistance: none

Larval Morphological Traits

Collarless (c+) is caused by a uric acid build-up in the larvae. Expression is often variable but best seen in L4 larvae. OPHANSI is polymorphic for this trait.

Red stripe-if present, individuals expressing red stripe are female. Not present in OPHANSI.

When reared in a dark pan, larvae with wild-type eye color will melanize when compared to a cohort reared in a white pan.

Adult Morphological Traits

Morphological characteristics of An. gambiae s.l. adults.

Authentication Methods used to confirm stock identity

1. Examined adults microscopically for morphological characters: all individuals had standard features of An. gambiae s.l.
2. Performed molecular An. gambiae s.l. identification; all An. merus.

References referring to this stock: