**Strain Name:** DONGOLA, MRA-856  
**Place of Origin:** Dongola, Sudan  
**Colonization date:** 2004  
**Established by:** Tropical Medicine Research Institute  
**Deposited by:** Dr. Badria El Sayed  

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**Genotype:** no information  
**Phenotype:** monomorphic for c+ (collarless)  
**Karyotype:** polymorphic for 2Ra and 2Rb, inversion on 3R.  
**Insecticide Resistance:** none

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**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. DONGOLA is monomorphic for c+.

Red stripe-if present, individuals expressing red stripe are female. DONGOLA should not have this characteristic.

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

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**Adult Morphological Traits**

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

**Authentication Methods used to confirm stock identity**

1. Examined immatures for the collarless (c+) trait: L4 larvae are monomorphic for c+
2. Examined larvae for the absence of the red stripe character.
3. Exposed 50 L4 larvae to 1ppm dieldrin for 1 hour to confirm susceptible status.
4. Examined adults microscopically for morphological characters: all individuals had standard features of *An. gambiae s.l.* and wild eye.
5. Performed molecular *An. gambiae* identification authentication: all *An. arabiensis*.
6. Performed molecular authentication of the ND5 region to differentiate KGB from DONGOLA.
References referring to this stock: