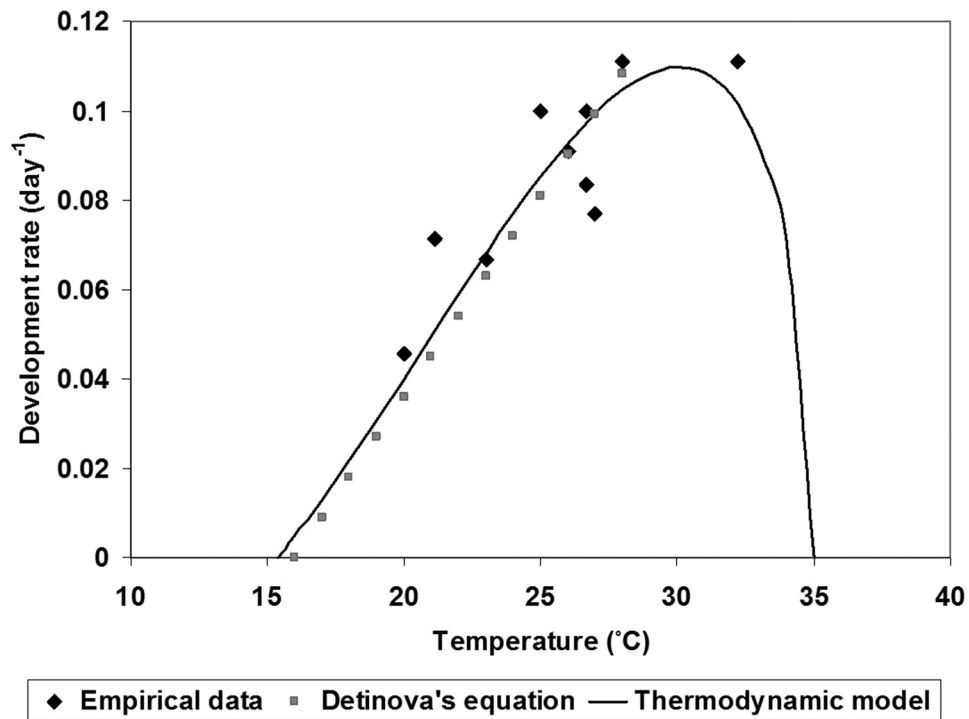


# Supporting Information

Paaijmans et al. 10.1073/pnas.0903423106



**Fig. S1.** Relationship between temperature and the development rate of *Plasmodium falciparum*. The function as proposed by Brière et al. (1) is fitted to a set of empirical data (see *Methods* for references) and the well-established Detinova equation (2) over a defined temperature range.  $R^2 = 0.924$ .

1. Brière JF, Pracros P, Le Roux AY, Pierre JS (1999) A novel rate model of temperature-dependent development for arthropods. *Environ Entomol* 28:22–29.
2. Detinova TS (1962) in *Age-grouping methods in Diptera of medical importance* (World Health Organization, Geneva).

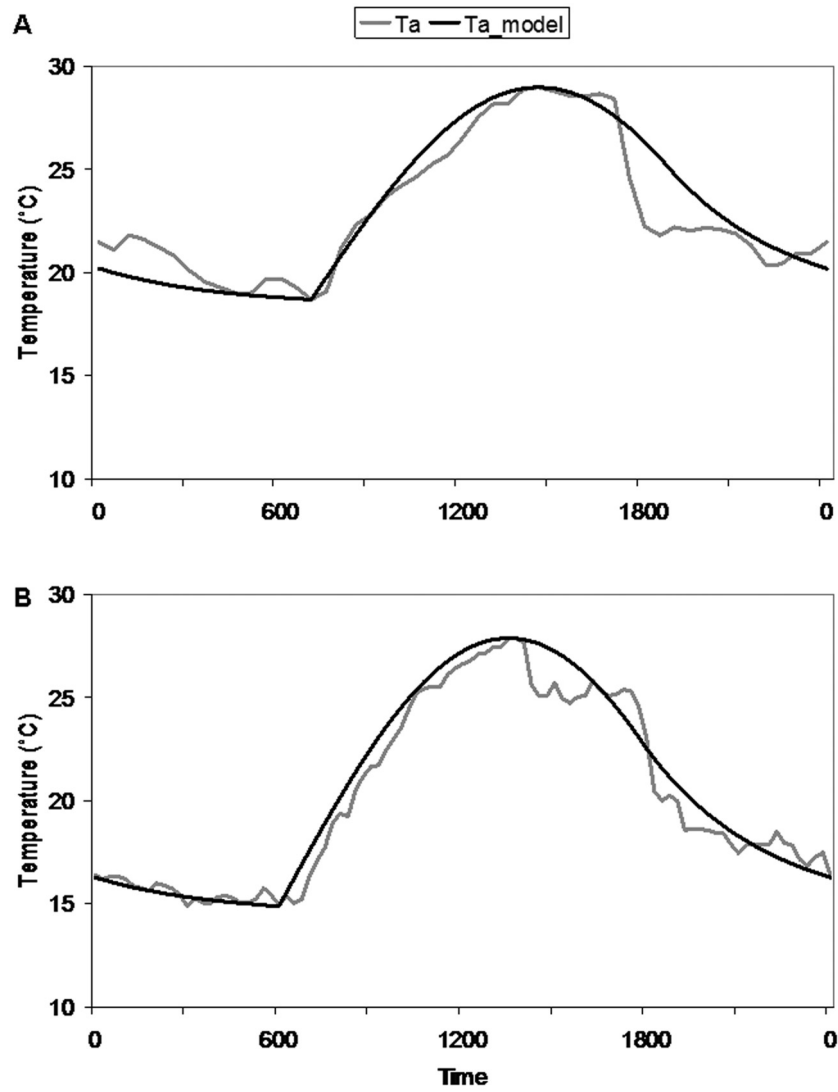


Fig. S2. Measured and modeled air temperature ( $T_a$ ) at (A) a lowland site and (B) a highland site in western Kenya (see *Methods* for more information).



