



Supplementary Figure S1: Homeostatic erythropoiesis does not explain the observed dynamics in reticulocyte proportion and parasitemia. The observed dynamics of the proportion of reticulocytes (**A**) and parasitemia (**B**) for WT (*black*) and KO (*grey*) parasites are shown. Colored lines indicate the predictions by the mathematical model assuming normal erythropoietic feedback conditions as described by Eqs. (1)-(3) and Eqs. (4)-(8) in the manuscript with different values for the infection rate β_0 (given in $\text{mz}^{-1} \mu\text{l}^{-1} \text{h}^{-1}$). Such a model is not able to explain the simultaneous decrease in the reticulocyte proportion and increase in parasitemia around day 3 post infection.