

**Supplementary figure S1:** Model-predicted Mf and Ag prevalence in the population aged 5 years and above and 6-7 year old children, measured 1 year after the last round of MDA with the total duration of MDA specified as in Table 3. Results are presented for 12 settings, varying with respect to the assumed monthly biting rate and coverage achieved in MDA. Antigenaemia is assumed to be detectable if an individual carries at least one female worm (hypothesis 2). See legend to figure 4 for additional information regarding the interpretation of the boxplots.

