



Fig. S1. QTL analysis of mefloquine (MEF), halofantrine (HLF), and chloroquine (CQ) phenotypes in the 803×GB4 cross. **A** The QTL plot from MEF EC₅₀ determinations. Maximal LOD score is at location 966,290 on Chromosome 5 ($p < 0.005$). **B** QTL plot from HLF EC₅₀ determinations. Maximal LOD score is at location 966,290 on Chromosome 5 without statistical significance. **C** QTL plot from CQ EC₅₀ determinations. Maximal LOD score is at location 82,492 on Chromosome 13 without statistical significance.