

List of supplementary material:

Supplementary Figure S1. Choice of measures for resistance and tolerance. (A) resistance is negatively correlated to peak parasite density; (B) tolerance index is higher when the slope of impact on health by parasite density decreases, i.e. when host is less impacted by a given load of parasite.

Supplementary Figure S2. Goodness-of-fits comparison (density, CDF, Q-Q, P-P plots) for resistance (A), impact on host health (B) and tolerance (C). Negative binomial distribution, Weibull distribution, and normal distribution were respectively chosen as adequate distributions for our three measures.

Supplementary Material S3 Main analyses on conservative dataset (N = 77)

Supplementary Table S4. Post-hoc statistical test for maximum oocysts density (Tukey Multiple Comparisons of Means) at the host strain / parasite isolate level.

Supplementary Table S5. Post-hoc statistical test for maximum weight loss (Tukey Multiple Comparisons of Means) at the host strain / parasite isolate level.

Supplementary Table S6. Post-hoc statistical test for tolerance index (Tukey Multiple Comparisons of Means) at the host strain / parasite isolate level.