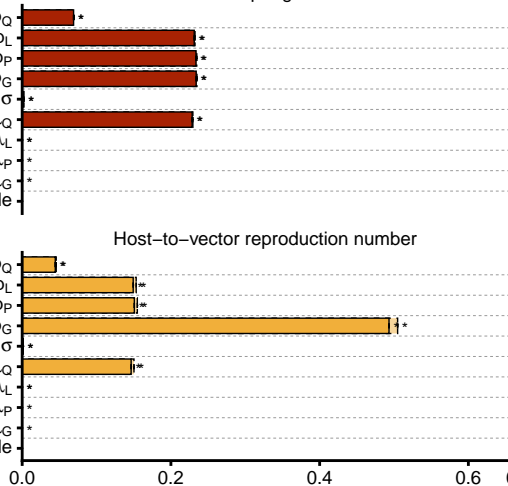


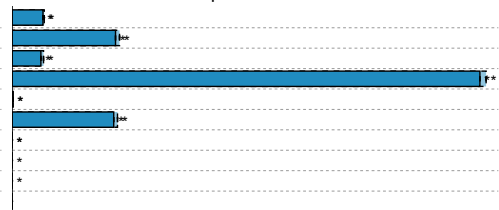
First order Total order

Basic offspring number

Seeking success, p_Q
Landing success, p_L
Probing success, p_P
Ingesting success, p_G
Persistence probability, σ
Seeking rate, λ_Q
Landing rate, λ_L
Probing rate, λ_P
Ingesting rate, λ_G
Dummy variable

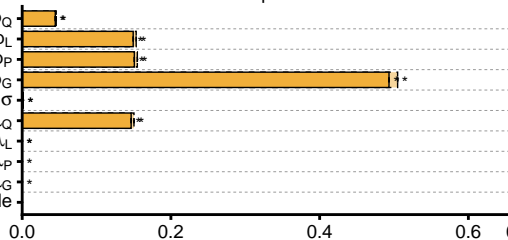


Basic reproduction number



Host-to-vector reproduction number

Seeking success, p_Q
Landing success, p_L
Probing success, p_P
Ingesting success, p_G
Persistence probability, σ
Seeking rate, λ_Q
Landing rate, λ_L
Probing rate, λ_P
Ingesting rate, λ_G
Dummy variable



Vector-to-host reproduction number

