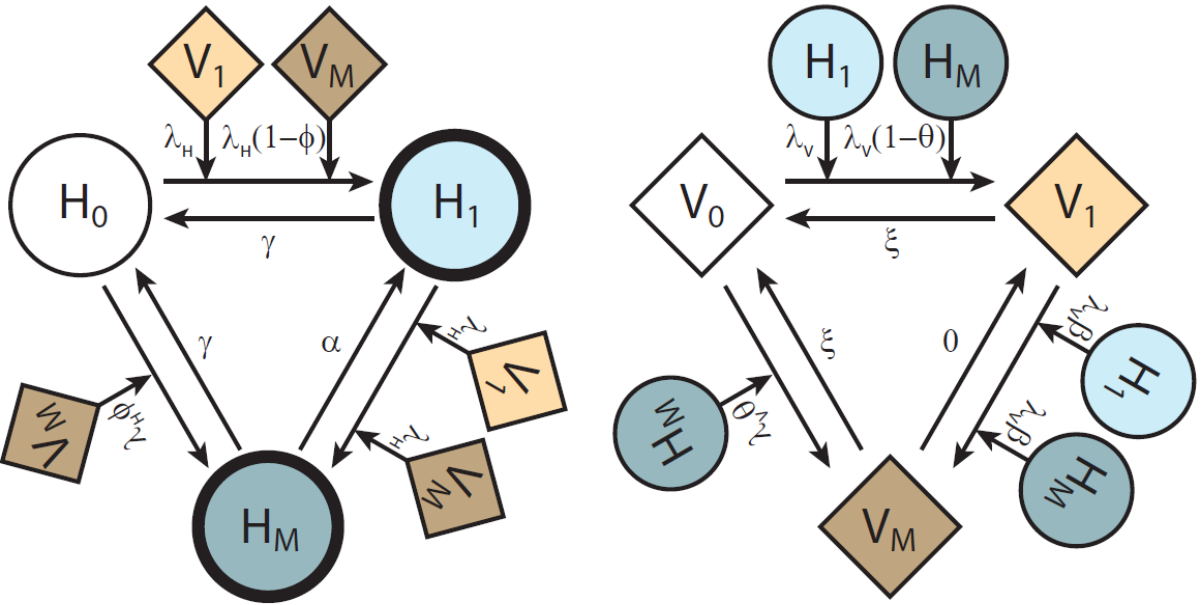
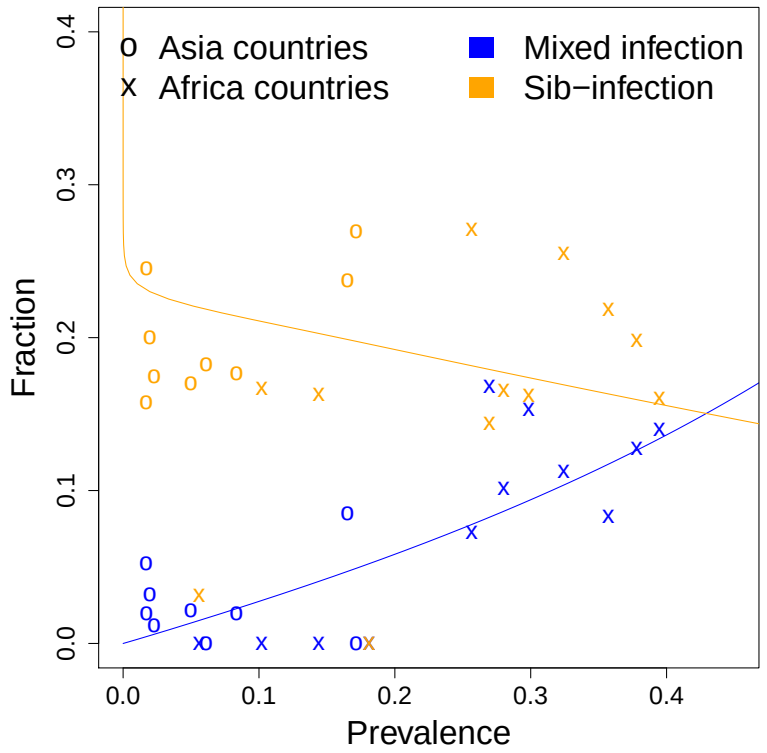
a


V1
VM
λH
λH(1−ϕ)
H0
H1
γ
γ
α
HγV
VM
ϕγV
HγV
V1
HM
H1
HM
λv
λv(1−θ)
V0
V1
ξ
ξ
0
gγV
H1
θγV
gγV
HM
VM

b


o Asia countries
x Africa countries
Mixed infection
Sib−infection
Fraction
Prevalence
0.0
0.1
0.2
0.3
0.4