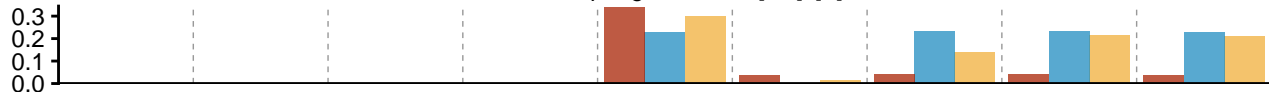


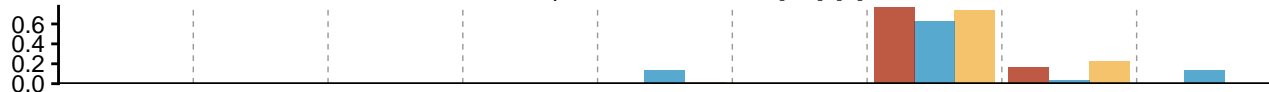
Parameter set: ■ Maximum variation ■ Flighty ■ Persistent

First Order eFAST Sensitivity Index

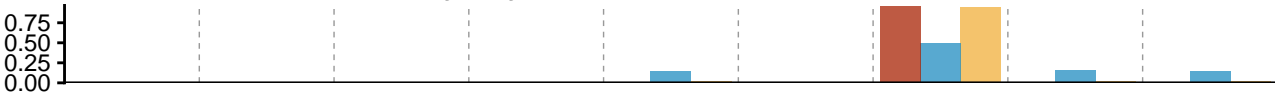
Basic~offspring~number~['\*N[0]\*']



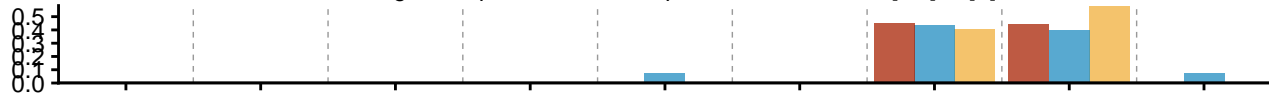
Basic~reproduction~number~['\*R[0]\*']



'Host~to~ingesting'\*~mosquito~reproduction~number~['\*R[HG]\*']



Probing~'mosquito~to~host'\*~reproduction~number~['\*R[PH]\*']



Dummy variable

Ingesting rate,  $\lambda_G$

Probing rate,  $\lambda_P$

Landing rate,  $\lambda_L$

Seeking rate,  $\lambda_Q$

Persistence probability,  $\sigma$

Ingesting success,  $p_G$

Probing success,  $p_P$

Landing success,  $p_L$

Seeking success,  $p_Q$