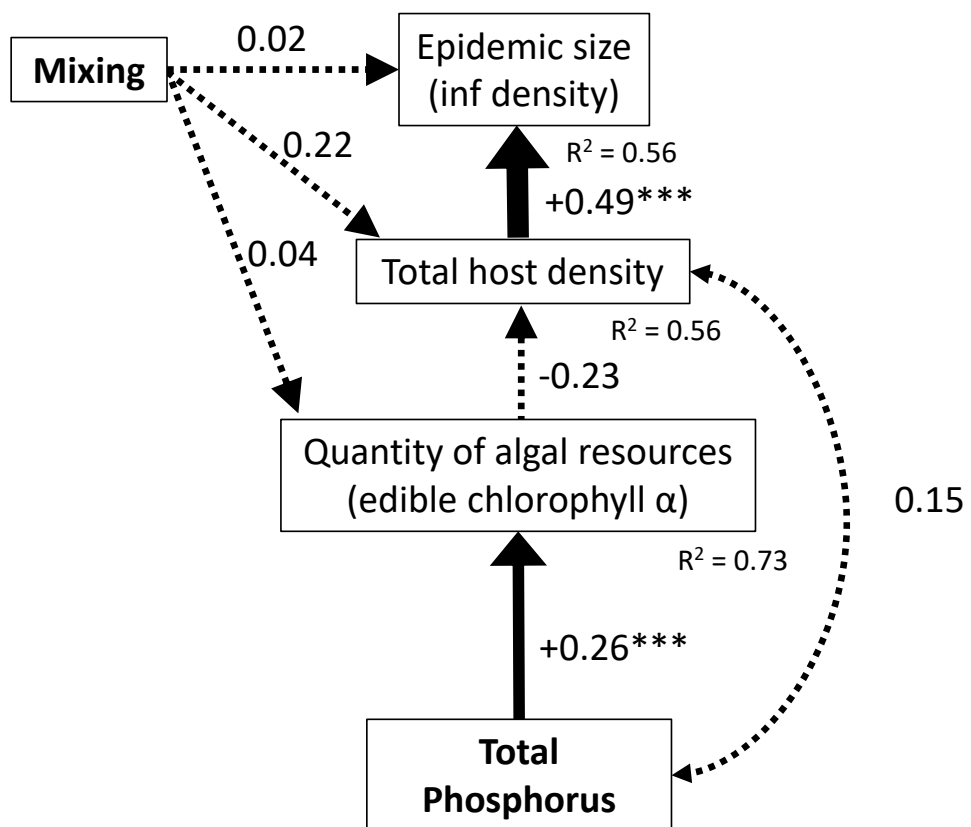


a. +spores path model



b. -spores path model

