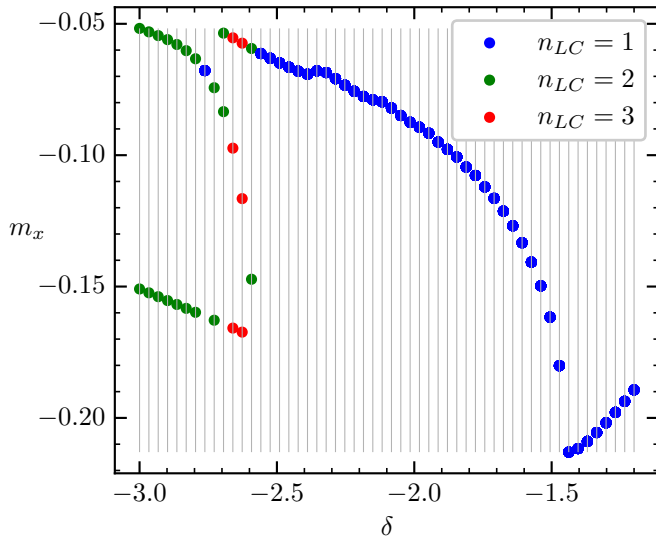


(a)  $\kappa = 10.36$



(b)  $\kappa = 11.96$