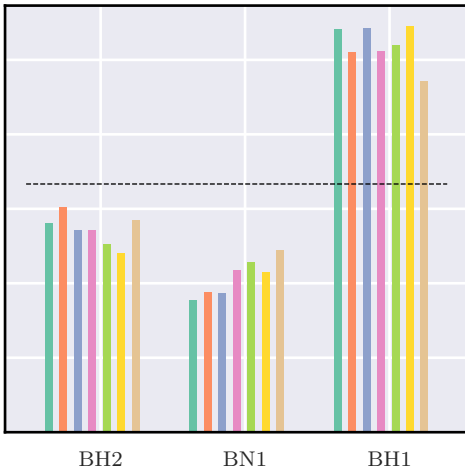
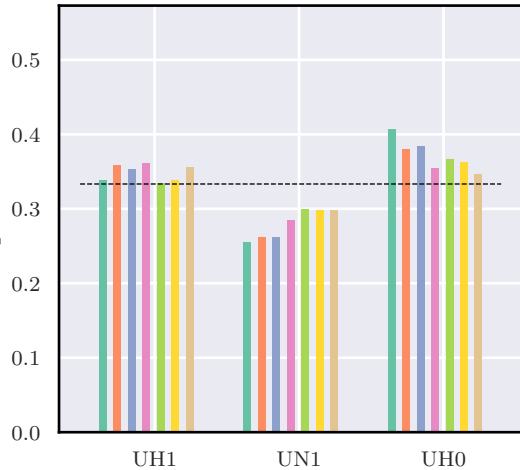


Deviation from expected relative density



- $q = 0.9, p_{SBT} = 0.5, p_{ST} = 0.7, \rho_0 = 0.2$
- $q = 0.9, p_{SBT} = 0.8, p_{ST} = 0.6, \rho_0 = 0.4$
- $q = 0.9, p_{SBT} = 0.8, p_{ST} = 0.6, \rho_0 = 0.2$
- $q = 0.85, p_{SBT} = 1.0, p_{ST} = 0.5, \rho_0 = 0.0$
- $q = 0.78, p_{SBT} = 0.8, p_{ST} = 0.6, \rho_0 = 0.0$
- $q = 0.8, p_{SBT} = 1.0, p_{ST} = 0.5, \rho_0 = 0.0$
- $q = 0.78, p_{SBT} = 0.9, p_{ST} = 0.5, \rho_0 = 0.0$