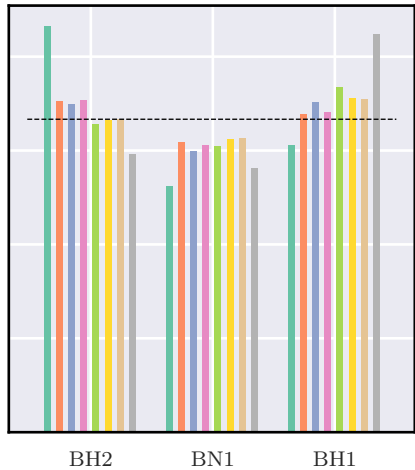
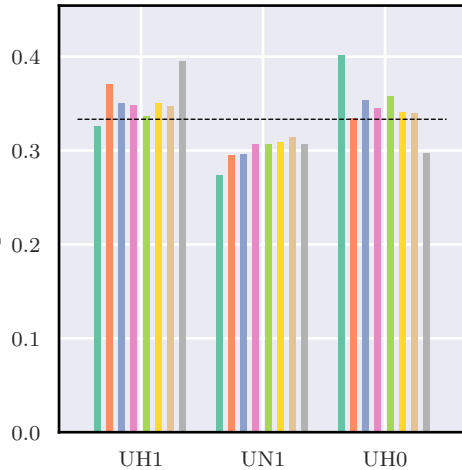


Deviation from expected relative density



- $q = 0.65, p_{SBT} = 0.8, p_{ST} = 0.4, \rho_0 = 0.0, \rho = 0.47$
- $q = 0.65, p_{SBT} = 1.0, p_{ST} = 0.1, \rho_0 = 0.8, \rho = 0.42$
- $q = 0.6, p_{SBT} = 1.0, p_{ST} = 0.15, \rho_0 = 0.1, \rho = 0.54$
- $q = 0.6, p_{SBT} = 0.7, p_{ST} = 0.2, \rho_0 = 0.1, \rho = 0.39$
- $q = 0.55, p_{SBT} = 0.85, p_{ST} = 0.05, \rho_0 = 0.3, \rho = 0.42$
- $q = 0.5, p_{SBT} = 0.75, p_{ST} = 0.0, \rho_0 = 0.8, \rho = 0.41$
- $q = 0.5, p_{SBT} = 1.0, p_{ST} = 0.0, \rho_0 = 0.7, \rho = 0.52$
- sampson: $\rho = 0.53$