



Microbiota

Global sponge microbiome (k = −2.02)

Peruvian rainforest ant gut (k = -1.98)

Tree leaves phyllosphere (k = -1.84)

 $^{\prime}$ HMP − Healthy human (k = −1.76)

Honeybees from Puerto Rico (k = -1.71)

Arctic freshwater systems (k = -1.57)

TARA – Ocean systems (k = -1.53)

Soil from California vineyards (k = -0.87)

Uniform distribution (k = 0)