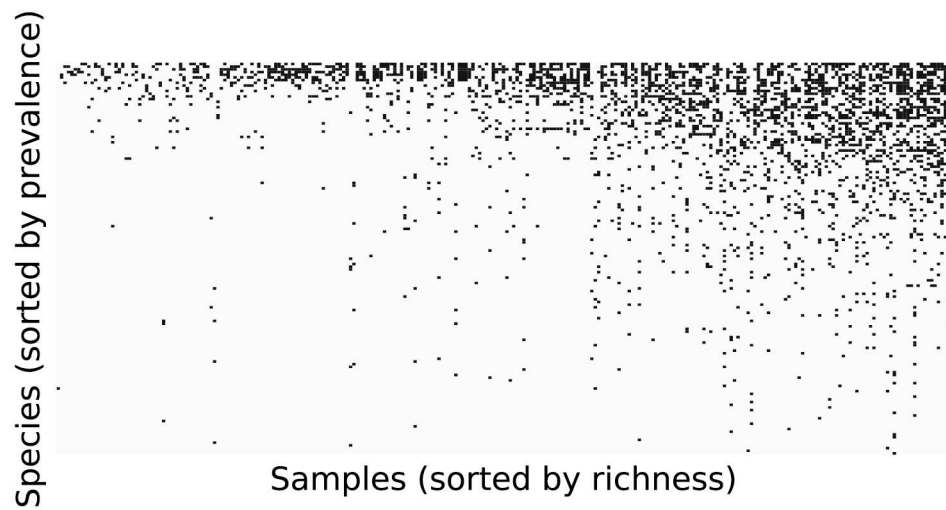


Supplementary Information

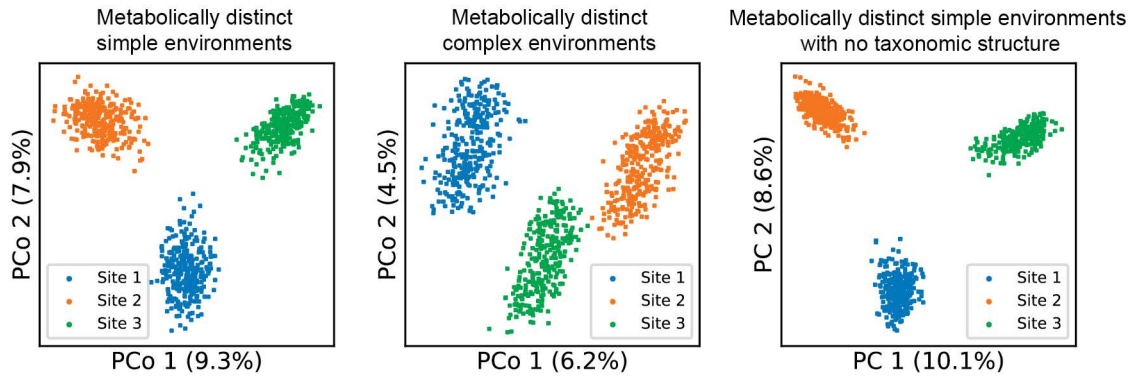
**A minimal model for microbial biodiversity can
reproduce experimentally observed ecological patterns**

Robert Marsland III, Wenping Cui, Pankaj Mehta

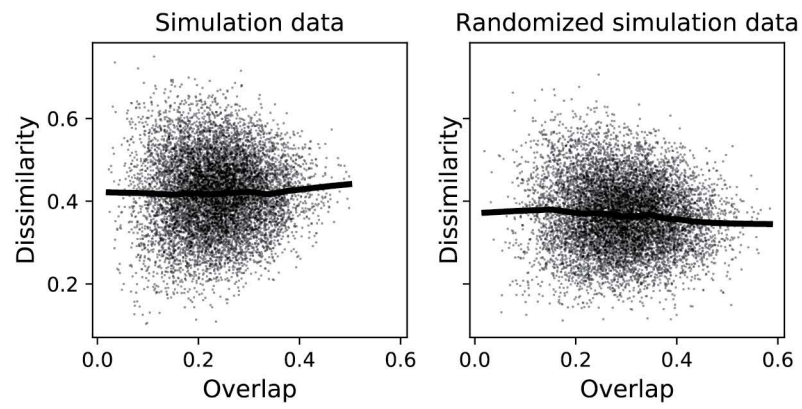


Supplementary Figure S1. Presence (black) and absence (white) of each species in simulations where both the environmental harshness m_{env} and the initial number of species varied from sample to sample (with sampling of both quantities following the same protocols as in Figure 2 of the main text).

MiCRM simulations with metabolically distinct environments



Supplementary Figure S2. PCoA of species-level compositions for the three simulated scenarios in which different body sites were supplied with resources from different classes. See Methods for details.



Supplementary Figure S3. Dissimilarity vs. overlap for pairs of samples taken from distinct body sites in the simulated HMP data.