

**Table S1 Additional summary of the example datasets**

Dataset	Cluster	Skewness	Kurtosis	Percent of 0 Entries
De Filippo		6.39	72.19	77.2
	Italy	5.61	49.38	
	Africa	8.77	128.53	
Martínez		23.91	780.56	83.2
	Papua	27.44	961.11	
	US	20.45	513.49	
Schnorr		3.49	27.13	88.2
	Hadza	2.52	15.12	
	Italy	5.50	62.75	
Smits		63.23	4649.79	85.7
	Late Dry	65.11	4805.62	
	Early Wet	37.40	1778.04	

The third and fourth columns of this table refer to the skewness and kurtosis of the averaged abundance vector of the whole dataset or each cluster. Skewness is often used as a measure of symmetry, while kurtosis is a measure for the degree of tailedness in the distribution.