

Appendix A. Functional traits, arranged by taxonomic group (bird, small mammal and bat) and category (diet, foraging, morphology, reproduction and nest refugia), used to calculate functional diversity. We add a seasonality category for bird to address their migratory nature. We derived measures derived from Hockey et al. 2005, Mondjem et al. 2010, Wilman et al. 2014 and Monadjem et al. 2015. We used both categorical and quantitative traits and defaulted to categorical traits if information was sparse.

Taxonomic group	Category	Functional trait	Categorical or Quantitative
Birds	Diet	invertebrates	quantitative
		fruit	quantitative
		nectar	quantitative
		seed	quantitative
		other resources	quantitative
	Foraging	ground	quantitative
		understory	quantitative
		mid-high level	quantitative
		canopy	quantitative
		aerially	quantitative
	Morphology	body mass	quantitative
		tarsus	quantitative
		wing	quantitative
		bill	quantitative
	Reproduction	annual clutches	quantitative
		clutch size	quantitative
	Nest/refugia	ground	categorical
colonial		categorical	
height		quantitative	
Seasonality	summer migrant	categorical	
	local breeder	categorical	
Small mammals	Diet	invertebrates	categorical
		seed	categorical
		plant matter	categorical
	Foraging	arboreal	categorical

		terrestrial	categorical
	Morphology		
		body mass	quantitative
		hind foot length	quantitative
	reproduction		
		litter size	quantitative
	Nest/refugia		
		burrow	categorical
		grass nest	categorical
		cavity nest	categorical
Bats			
	Diet		
		invertebrates	categorical
	Foraging		
		open	categorical
		edge	categorical
		clutter	categorical
	Morphology		
		body mass	quantitative
		forearm length	quantitative
		wing-loading	quantitative
		aspect ratio	quantitative
	Reproduction		
		litter size	quantitative
		breeding attempts	quantitative
	Nest/refugia		
		cave roost	categorical
		crevice roost	categorical
		tree roost	categorical
