

Table S2. Results of the ANCOVA measuring the effect of taxonomic order on the regression parameters of dispersal models. Only pairs of orders which showed a statistically significant difference are shown. Difference= Scheffe's post hoc test; CI = Confidence Interval; *=p<0.05, **=p<0.01 ***=p<0.001. H = Herbivores; O = Omnivores; C= Carnivores.

	Comparisons	Difference (CI)	Significance
Maximum distance - Home range	Artiodactyla - Primates	1.26 (±1.04)	**
	Artiodactyla - Rodentia	1.61(±0.78)	***
	Artiodactyla - Soricomorpha	1.94 (±1.62)	**
	Carnivora - Primates	1.46 (±0.86)	***
	Carnivora - Rodentia	1.82 (±0.51)	***
	Carnivora - Soricomorpha	2.15 (±1.5)	***
	Diprotodontia - Rodentia	1.43 (±1.29)	*
	Lagomorpha - Rodentia	1.05 (±1)	*
Maximum distance - Body size	Artiodactyla - Primates	1.5 (±1)	***
	Artiodactyla - Rodentia	1.87 (±0.77)	***
	Artiodactyla - Soricomorpha	2.18 (±1.5)	***
	Carnivora - Primates	1.46 (±0.77)	***
	Carnivora - Rodentia	1.84 (±0.46)	***
	Carnivora - Soricomorpha	2.15 (±1.36)	***
	Diprotodontia - Rodentia	1.45 (±1.17)	**
	Diprotodontia - Soricomorpha	1.76 (±1.74)	*
Maximum distance - Body size (H+O)	Lagomorpha - Rodentia	1.1 (±0.85)	**
	Artiodactyla - Primates	1.37 (±0.95)	***
	Artiodactyla - Rodentia	1.79 (±0.73)	***
	Carnivora - Primates	1.21 (±0.92)	***
	Carnivora - Rodentia	1.63 (±0.7)	***
	Diprotodontia - Rodentia	1.45 (±1.06)	***
	Lagomorpha - Rodentia	1.10 (±0.77)	***
	Perissodactyla - Rodentia	2.28 (±2.07)	*
Maximum distance - Body size (C)	Proboscidea - Rodentia	2.1 (±2.07)	*
	Carnivora - Dasyuromorphia	1.6 (±1.24)	**
	Carnivora - Soricomorpha	1.98 (±1.5)	**
	Median distance - Home range	Artiodactyla - Primates	1.48 (±1.13)
	Artiodactyla - Rodentia	1.49 (±0.74)	***
	Carnivora - Primates	1.62 (±0.99)	***
	Carnivora - Rodentia	1.62 (±0.49)	***
	Median distance - Body size	Artiodactyla - Primates	1.49 (±1.26)
	Artiodactyla - Rodentia	1.45 (±0.81)	***
	Carnivora - Primates	1.65 (±1.09)	***
	Carnivora - Rodentia	1.61 (±0.52)	***
	Median distance - Body size (H+O)	Artiodactyla - Primates	1.54 (±1.4)
	Artiodactyla - Rodentia	1.5 (±0.78)	***

	Comparisons	Difference (CI)	Significance
Mean distance - Home range	Carnivora - Rodentia	1.21 (± 0.93)	**
	Artiodactyla - Lagomorpha	1.97 (± 1.18)	***
	Artiodactyla - Rodentia	1.59 (± 0.8)	***
	Carnivora - Dasyuomorpha	1.15 (± 1.01)	*
	Carnivora - Lagomorpha	2.37 (± 1.01)	***
	Carnivora - Primates	1.17 (± 1.01)	*
	Carnivora - Rodentia	1.99 (± 0.53)	***
Mean distance - Body size	Carnivora - Soricomorpha	2.12 (± 1.91)	*
	Artiodactyla - Lagomorpha	2.12 (± 1.25)	***
	Artiodactyla - Rodentia	1.76 (± 0.92)	***
	Carnivora - Dasyuomorpha	1.33 (± 1.15)	*
	Carnivora - Lagomorpha	2.39 (± 1.01)	***
	Carnivora - Primates	1.19 (± 1.01)	**
	Carnivora - Rodentia	2.03 (± 0.53)	***
Mean distance - Body size (H+O)	Carnivora - Soricomorpha	2.14 (± 1.91)	*
	Artiodactyla - Lagomorpha	1.95 (± 1.29)	***
	Artiodactyla - Rodentia	1.58 (± 0.91)	***
	Carnivora - Lagomorpha	2.22 (± 1.26)	***
	Carnivora - Rodentia	1.85 (± 0.85)	***
	Dasyuomorpha - Lagomorpha	2.5 (± 2.23)	*
	Dasyuomorpha - Rodentia	2.13 (± 2.04)	*