

Table S7. Coefficients of the quantile regressions performed on the relationships in Table 2. These values can be used to estimate dispersal distance at different quantiles of the cloud of points, useful for modeling scenarios or to define prediction boundaries. α = intercept; β 1 = slope; β 2 = slope of the second covariate in the multiple regression; Max = Maximum distance; Med = Median distance; Mn = Mean distance; HR = Home range; BS = Body size.

	Quantile 0.9			Quantile 0.7			Quantile 0.5			Quantile 0.3			Quantile 0.1		
	α	β 1	β 2	α	β 1	β 2	α	β 1	β 2	α	β 1	β 2	α	β 1	β 2
Max ~ HR + BS (OH)	1.67	0.21	0.45	1.38	0.32	0.29	0.94	0.19	0.42	0.83	0.29	0.29	0.41	0.28	0.27
Max ~ HR	2.16	0.49		1.77	0.50		1.3	0.48		1.06	0.49		0.76	0.52	
Max ~ BS (C)	2.27	0.78		1.77	0.72		1.51	0.59		1.09	0.63		0.63	0.66	
Max ~ BS (OH)	1.44	0.67		0.92	0.62		0.69	0.61		0.44	0.59		-0.04	0.47	
Med ~ HR + BS (OH)	0.69	0.1	0.44	0.41	0.14	0.39	0.3	0.23	0.36	0	0.18	0.46	0.01	0.38	0.26
Med ~ HR	1.26	0.47		0.92	0.48		0.74	0.50		0.43	0.53		0.15	0.51	
Med ~ BS (C)	1.91	0.06		1.15	0.34		0.75	0.44		0.5	0.54		0.17	0.54	
Med ~ BS (OH)	0.5	0.56		0.22	0.51		0.03	0.53		-0.21	0.51		-0.58	0.62	
Mean ~ HR + BS (OH)	1.02	0.48	0.09	0.86	0.55	0.02	0.74	0.60	0.01	0.54	0.62	0.03	0.58	0.91	-0.45
Mean ~ HR	1.28	0.58		0.9	0.53		0.65	0.55		0.44	0.58		-0.05	0.54	
Mean ~ BS (C)	2.29	-0.16		0.97	0.61		0.96	0.45		0.61	0.49		0.38	0.43	
Mean ~ BS (OH)	0.75	0.57		0.27	0.62		-0.09	0.72		-0.44	0.76		-0.71	0.68	