

Table S5. Mean proportion of seeds deposited in suitable *L. subcoriacea* habitat (SDE_D) for the five study species by movement method; standard error of the mean is presented within parentheses. Thirty experiments per species by movement method. These experiments use *T. migratorius* physiological parameters (main text, Table 1) for all bird species.

Species	Permeability		Straight path		U
	SDE _D		SDE _D		
<i>C. cristata</i>	0.59 (0.03)	a	0.67 (0.03)	ab	302*
<i>M. erythrocephalus</i>	0.56 (0.03)	a	0.58 (0.02)	ac	390
<i>S. sialis</i>	0.54 (0.03)	a	0.52 (0.03)	c	475
<i>T. migratorius</i>	0.71 (0.02)	b	0.75 (0.02)	b	378
<i>V. griseus</i>	0.72 (0.02)	b	0.68 (0.02)	ab	527

Results of Wilcoxon–Mann–Whitney tests (U) comparing SDE_D between landscape permeability and straight path movement experiments for each bird species (*** P<0.001, ** P<0.01, * P<0.05).

SDE_D is presented as the mean value with standard error of the mean in parentheses. Different letters within movement methods represent species' differences using Dunn's Test post hoc comparisons ($\alpha = 0.05$) on Kruskal–Wallis analysis of SDE_D between species.