

Manuscript Draft

What is long-distance dispersal? And a taxonomy
of dispersal events

Supplementary Material

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Sevilla, June 23, 2016

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Key words: ***

Manuscript information: ** Words; ** Chars; ** Pages, * Figures; * Tables.

Table 1: Summary of neighborhood area sizes and estimated neighborhood radius for tree species with different combinations of dispersal modes. Data from Nason et al and present study.

Species	Pollinator	Seed disperser	Density (ha^{-1})	Breeding unit (km^2)	Radius (km)
<i>Ficus dugandii</i>	Fig wasp	Vertebrates	0.004	631.7	14.2
<i>Ficus obtusifolia</i>	Fig wasp	Vertebrates	0.072	105.9	5.8
<i>Prunus mahaleb</i>	Bees, flies	Vertebrates	0.003	0.87	0.042
<i>Frangula alnus</i>	Bees, flies	Vertebrates	0.0004	0.45	0.013
<i>Astrocaryum mexicanum</i>	Beetle	Vertebrates	1364.0	0.011	0.06
<i>Calophyllum longifolium</i>	Bees	Vertebrates	0.28	1.241	0.629
<i>Platypodium elegans</i>	Bees	Wind	0.78	0.866	0.525
<i>Cedrus atlantica</i>	Wind	Wind	61.7	0.151	0.22
<i>Fraxinus americana</i>	Wind	Wind	24.7	0.008	0.05
<i>Pseudotsuga menziesii</i>	Wind	Wind	25.0	0.078	0.158

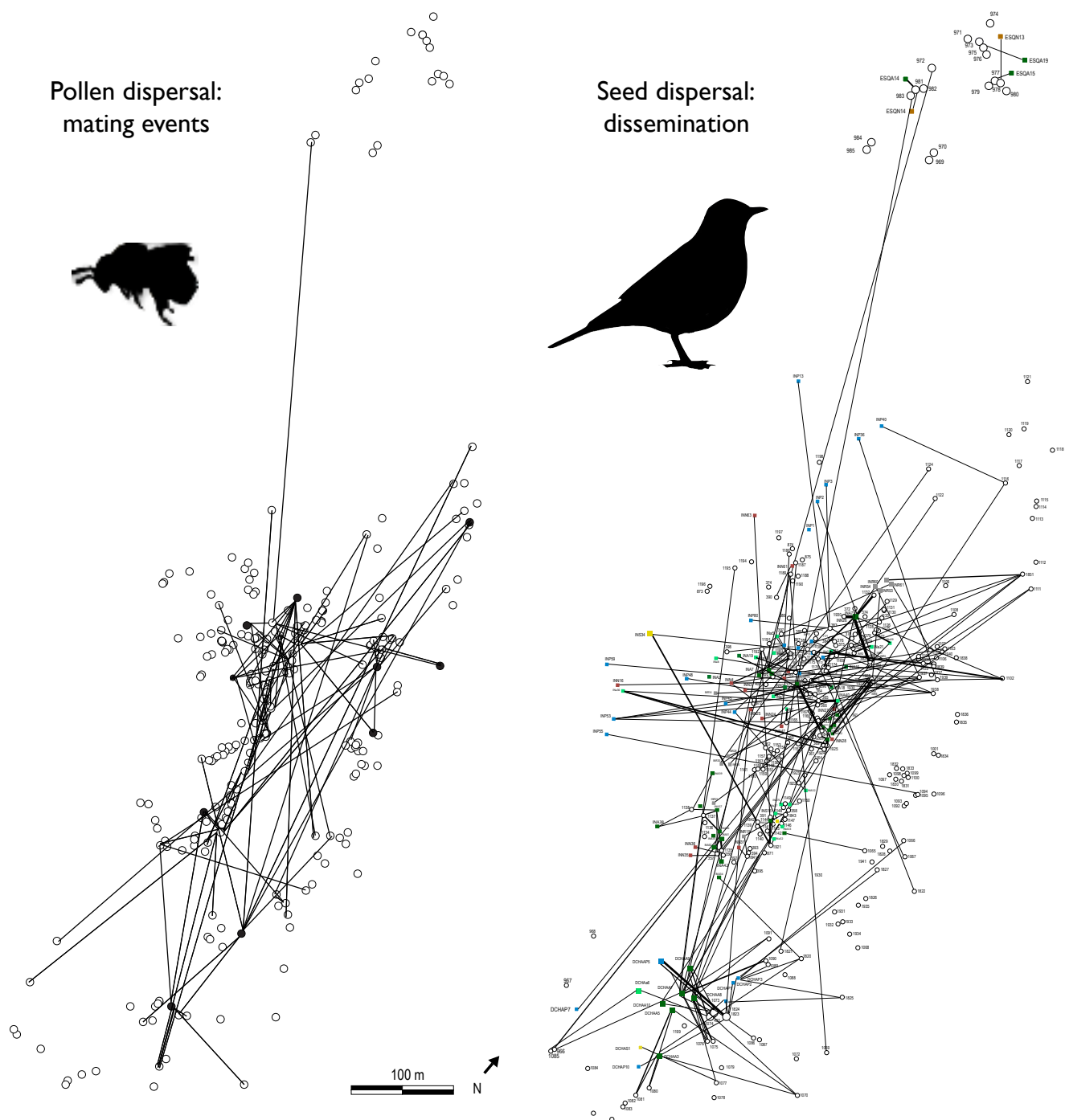


Figure 1: Dispersal events for pollen (left) and seeds (right) traced for *Prunus mahaleb* trees (white dots). All the adult, reproductive, trees in the population are mapped. Lines indicate mating events of pollen dispersal among trees (left) or seed dissemination events from source fruiting trees to seed traps (squares; right). Line thickness is proportional to the number of events recorded.

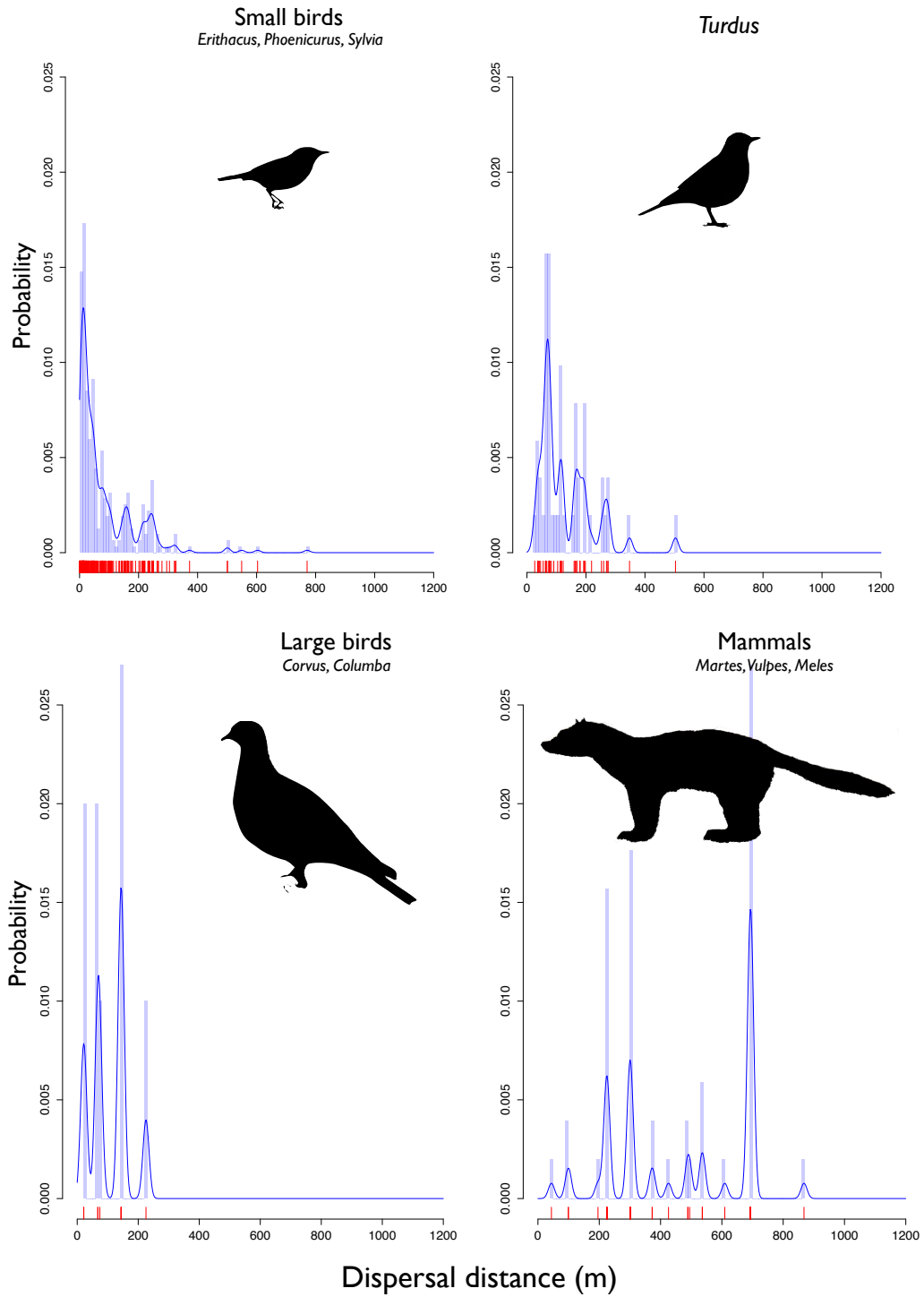


Figure 2: Differential contributions of functional groups of frugivores to the short- (SDD_{loc}) and long-distance (LDD_{loc}) local seed dispersal events for *Prunus mahaleb*.