

Table S8. Contrasts between 'without neighbors' and 'with neighbors' treatment levels within each scale and (mis)alignment category.

Scale level	(Mis)alignment	z-ratio	P-value
plot	sink	-4.039	0.000
plot	dispersal limitation	4.407	0.000
plot	aligned present	6.622	0.000
plot	aligned absent	-4.203	0.000
grid	sink	-3.877	0.000
grid	dispersal limitation	0.008	0.993
grid	aligned present	4.040	0.000
grid	aligned absent	-1.002	0.316
site	sink	-2.830	0.005
site	dispersal limitation	NA	NA
site	aligned present	2.830	0.005
site	aligned absent	NA	NA