

Asian elephant movements between natural and human-dominated landscapes mirror patterns of crop damage in Sri Lanka

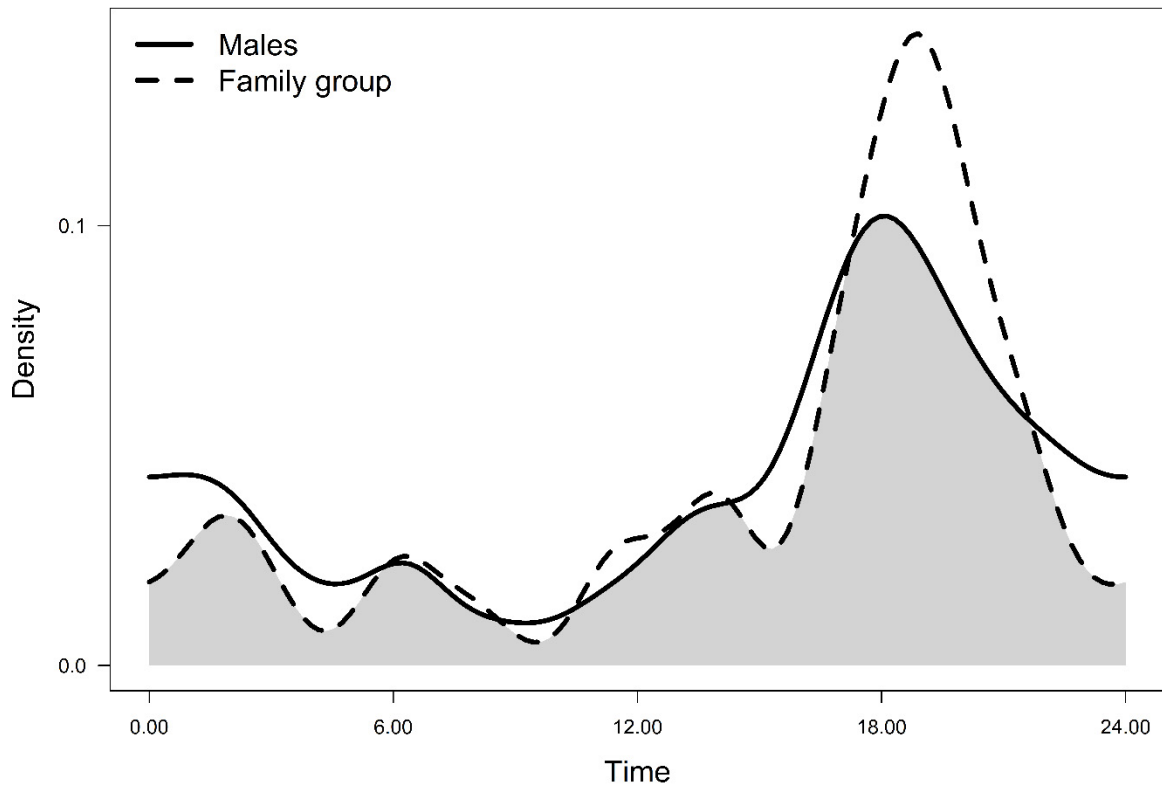
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SUPPLEMENTARY TABLE 1 Results of pairwise Mardia–Watson–Wheeler tests for movements of Asian elephants *Elephas maximus* entering human-dominated landscapes in Sri Lanka.

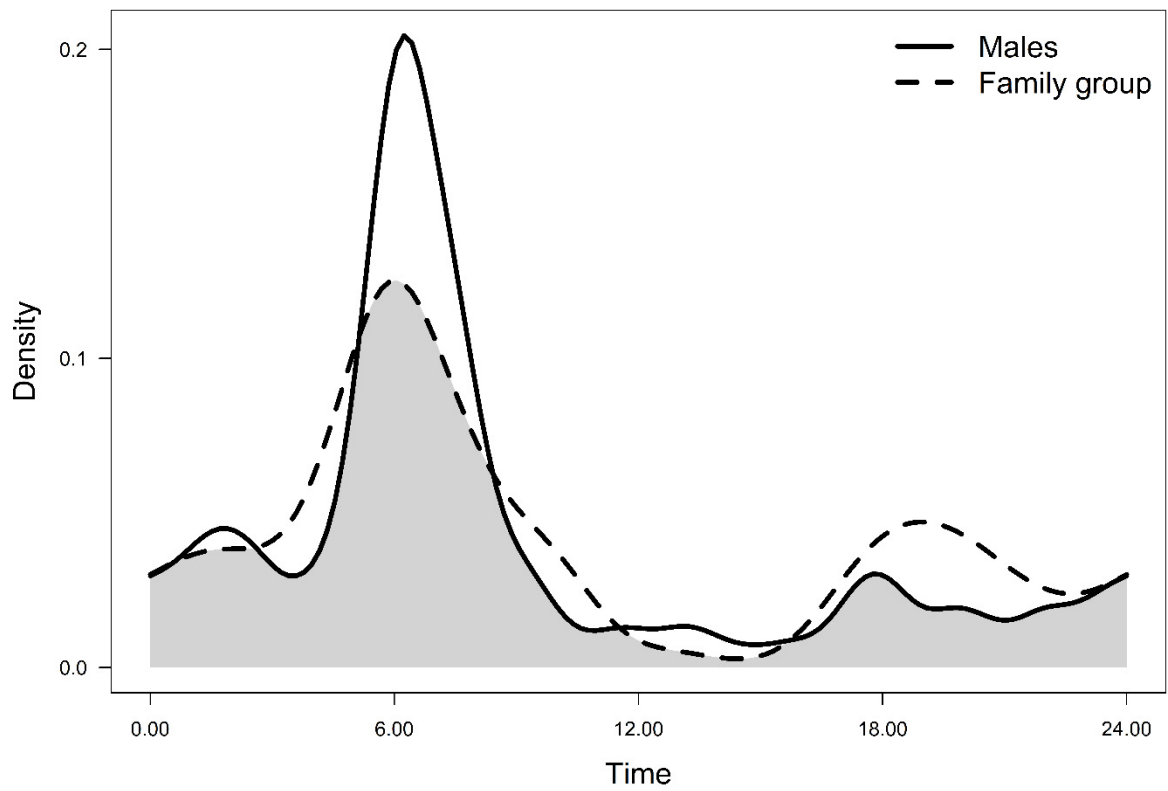
Comparison of moon phases	Social unit	Statistics
Full vs waxing	All	W = 2.227, df = 2, p = 0.329
Full vs waning	All	W = 1.549, df = 2, p = 0.461
Waxing vs waning	All	W = 2.014, df = 2, p = 0.365
New vs full	All	W = 0.401, df = 2, p = 0.818
New vs waxing	All	W = 2.299, df = 2, p = 0.317
New vs waning	All	W = 0.357, df = 2, p = 0.837
Full vs waxing	Male	W = 1.768, df = 2, p = 0.413
Full vs waning	Male	W = 2.304, df = 2, p = 0.316
Waxing vs waning	Male	W = 0.283, df = 2, p = 0.868
New vs full	Male	W = 0.594, df = 2, p = 0.743
New vs waxing	Male	W = 0.547, df = 2, p = 0.761
New vs waning	Male	W = 0.453, df = 2, p = 0.797
Full vs waxing	Family groups	W = 1.930, df = 2, p = 0.381
Full vs waning	Family groups	W = 1.286, df = 2, p = 0.526
Waxing vs waning	Family groups	W = 5.758, df = 2, p = 0.056
New vs full	Family groups	W = 0.666, df = 2, p = 0.717
New vs waxing	Family groups	W = 3.010, df = 2, p = 0.222
New vs waning	Family groups	W = 1.952, df = 2, p = 0.377

SUPPLEMENTARY TABLE 2 Results of pairwise Mardia–Watson–Wheeler tests for elephant movements exiting human-dominated landscapes in Sri Lanka. Significant differences are marked with *.

Comparison of moon phases	Social unit	Statistics
Full vs waxing	All	$W = 3.68, df = 2, p = 0.159$
Full vs waning	All	$W = 0.602, df = 2, p = 0.740$
Waxing vs waning	All	$W = 7.702, df = 2, p = 0.021^*$
New vs full	All	$W = 3.066, df = 2, p = 0.216$
New vs waxing	All	$W = 0.280, df = 2, p = 0.869$
New vs waning	All	$W = 6.342, df = 2, p = 0.042^*$
Full vs waxing	Male	$W = 0.773, df = 2, p = 0.680$
Full vs waning	Male	$W = 0.989, df = 2, p = 0.610$
Waxing vs waning	Male	$W = 3.191, df = 2, p = 0.203$
New vs full	Male	$W = 1.093, df = 2, p = 0.579$
New vs waxing	Male	$W = 1.831, df = 2, p = 0.400$
New vs waning	Male	$W = 4.154, df = 2, p = 0.125$
Full vs waxing	Family groups	$W = 9.062, df = 2, p = 0.011^*$
Full vs waning	Family groups	$W = 0.222, df = 2, p = 0.895$
Waxing vs waning	Family groups	$W = 7.668, df = 2, p = 0.022^*$
New vs full	Family groups	$W = 6.375, df = 2, p = 0.041^*$
New vs waxing	Family groups	$W = 1.835, df = 2, p = 0.400$
New vs waning	Family groups	$W = 5.986, df = 2, p = 0.050$



SUPPLEMENTARY FIG. 1 Modelled density of Asian elephant *Elephas maximus* movements entering human-dominated landscapes, for males and family groups. Grey represents the overlap between groups.



SUPPLEMENTARY FIG. 2 Modelled density of elephant movements exiting human-dominated landscapes, for males and family groups. Grey represents the overlap between groups.