

**Supplementary material**

Appendix 1. The number of trees recorded with nests of four avian scavengers in them and in a random sample of trees without nests in the Masai Mara National Reserve, Kenya

Tree species	Number of trees with AWB nests	Number of trees with LFV nests	Number of trees with WHV nests	Number of trees with TE nests	Number of trees in random points
<i>Vachellia (Acacia) abyssinica</i>	0	0	0	0	3
<i>Vachellia (Acacia) drepanolobium</i>	0	0	0	0	4
<i>Vachellia (Acacia) gerrardii</i>	5	0	1	0	22
<i>Vachellia (Acacia) kirkii</i>	5	0	2	2	0
<i>Vachellia (Acacia) nilotica</i>	3	0	0	0	0
<i>Senegalia (Acacia) senegal</i>	1	0	0	0	0
<i>Vachellia (Acacia) xanthophloea</i>	7	1	0	0	11
<i>Albizia gummifera</i>	10	0	0	1	6
<i>Balanites aegyptiaca</i>	2	15	2	1	38
<i>Boscia angustifolia</i>	32	10	4	5	32
<i>Clerodendrum buchananii</i>	0	0	0	0	1
<i>Commiphora africana</i>	0	0	0	0	1
<i>Diospyros abyssinica</i>	3	0	0	0	13
<i>Euclea divinorum</i>	0	0	0	4	7

<i>Euphorbia candelabrum</i>	0	0	0	6	12
<i>Ficus sp.</i>	13	0	0	0	0
<i>Ficus sycomorus</i>	13	1	0	0	8
<i>Ficus thonningii</i>	1	0	0	0	4
<i>Gardenia ternifolia</i>	0	16	1	1	7
<i>Kigelia africana</i>	1	0	0	0	4
<i>Lepisanthes senegalensis</i>	1	0	0	0	5
<i>Maytenus senegalensis</i>	0	2	0	0	0
<i>Olea europea</i>	12	4	5	1	18
<i>Warburgia ugandensis</i>	3	0	0	0	1
<i>Ziziphus mucronata</i>	0	0	0	0	1
Unidentified	1	1	0	0	2
<b>Total</b>	<b>113</b>	<b>50</b>	<b>15</b>	<b>21</b>	<b>200</b>

Appendix 2. The proportion of trees of a particular species used for nesting by four avian scavengers and the expected usage based on the proportions of trees in a random sample in the Masai Mara National Reserve, Kenya

Tree species	Proportion used (AWB)	Proportion used (LFV)	Proportion used (WHV)	Proportion used (TE)	Proportion expected
<i>Vachellia (Acacia) abyssinica</i>	0.000	0.000	0.000	0.000	0.015
<i>Vachellia (Acacia) drepanolobium</i>	0.000	0.000	0.000	0.000	0.020
<i>Vachellia (Acacia) gerrardii</i>	0.044	0.000	0.067	0.000	0.110
<i>Vachellia (Acacia) kirkii</i>	0.044	0.000	0.133	0.095	0.000
<i>Vachellia (Acacia) nilotica</i>	0.027	0.000	0.000	0.000	0.000
<i>Senegalia (Acacia) senegal</i>	0.009	0.000	0.000	0.000	0.000
<i>Vachellia (Acacia) xanthophloea</i>	0.062	0.020	0.000	0.000	0.055
<i>Albizia gummifera</i>	0.088	0.000	0.000	0.048	0.030
<i>Balanites aegyptiaca</i>	0.018	0.300	0.133	0.048	0.190
<i>Boscia angustifolia</i>	0.283	0.200	0.267	0.238	0.160
<i>Clerodendrum buchananii</i>	0.000	0.000	0.000	0.000	0.005
<i>Commiphora africana</i>	0.000	0.000	0.000	0.000	0.005
<i>Diospyros abyssinica</i>	0.027	0.000	0.000	0.000	0.065

<i>Euclea divinorum</i>	0.000	0.000	0.000	0.190	0.035
<i>Euphorbia candelabrum</i>	0.000	0.000	0.000	0.286	0.060
<i>Ficus sp.</i>	0.115	0.000	0.000	0.000	0.000
<i>Ficus sycomorus</i>	0.115	0.020	0.000	0.000	0.040
<i>Ficus thonningii</i>	0.009	0.000	0.000	0.000	0.020
<i>Gardenia ternifolia</i>	0.000	0.320	0.067	0.048	0.035
<i>Kigelia africana</i>	0.009	0.000	0.000	0.000	0.020
<i>Lepisanthes senegalensis</i>	0.009	0.000	0.000	0.000	0.025
<i>Maytenus senegalensis</i>	0.000	0.040	0.000	0.000	0.000
<i>Olea europea</i>	0.106	0.080	0.333	0.048	0.090
<i>Warburgia ugandensis</i>	0.027	0.000	0.000	0.000	0.005
<i>Ziziphus mucronata</i>	0.000	0.000	0.000	0.000	0.005
Unidentified	0.009	0.020	0.000	0.000	0.010