Chapter 11: Appendices

11.0 APPENDIX 1 MORPHOLOGICAL MEASUREMENTS OF D. LUMHOLTZI

Table 11.1: Morphological measurements of *D. lumholtzi*.

Animal	weight (kgs)	sex	Body length (mm) along back	tail length (mm)	head length (mm)	head width (mm)	hind foot length (mm)	hind foot width (mm)	hind leg (knee-heel) (mm)	ear size length (mm)	ear size width (mm)	forearm length (wrist-elbow) (mm)
TK1	6.05	male	490.0	710.0	113.0	67.0	131.0	37.0	170.0	34.0	27.0	135.0
TK2	7.20	male	480.0	665.0	123.0	71.0	125.0	39.0	160.0	33.0	28.0	135.0
TK35	6.00	male	450.0	660.0	111.0	58.0	129.0	34.0	180.0	38.0	32.0	119.0
TK36	7.70	female	490.0	680.0	112.0	69.0	116.0	31.0	195.0	37.0	35.0	131.0
TK33	5.00	male	505.0	655.0	114.0	62.0	128.0	32.0	190.0	40.0	33.0	140.0
TK37	7.82	female	540.0	740.0	120.0	65.0	133.0	39.0	190.0	44.0	32.0	125.0
TK38	8.10	female	590.0	680.0	120.0	70.0	130.0	35.0	170.0	43.0	35.0	120.0
TK39	4.83	female	425.0	685.0	109.0	62.0	123.0	33.0	180.0	39.0	28.0	125.0
TK40	6.25	male	450.0	625.0	115.0	64.0	113.0	30.0	190.0	37.0	27.0	130.0
TK41	6.20	male	450.0	740.0	113.0	65.0	121.0	34.0	190.0	38.0	30.0	130.0
TK42	6.74	female	420.0	655.0	109.0	62.0	117.0	32.0	180.0	36.0	30.0	108.0
TK43	7.55	male	470.0	680.0	122.0	65.0	130.0	35.0	190.0	44.0	32.0	135.0
TK3	6.15	female	460.0	730.0	126.0	69.0	126.0	34.0	200.0	40.0	30.0	130.0
TK46	6.10	female	430.0	730.0	120.0	69.0	120.0	33.0	190.0	37.0	35.0	130.0
TK47	5.15	female	450.0	590.0	119.0	68.0	113.0	37.0	150.0	34.0	28.0	125.0
TK48	8.85	male	570.0	735.0	118.0	74.0	135.0	38.0	200.0	39.0	25.0	150.0
TK49	7.20	female	480.0	675.0	112.0	69.0	125.0	34.0	180.0	42.0	32.0	135.0
TK50	4.80	male	450.0	600.0	116.0	68.0	109.0	31.0	180.0	32.0	27.0	125.0
TK51	4.75	female	450.0	540.0	114.0	68.5	117.0	38.0	160.0	31.0	28.0	125.0
TK4	6.45	male	450.0	660.0	115.0	67.0	121.0	36.0	170.0	34.0	31.0	130.0
TK52	9.60	male	540.0	750.0	121.0	75.0	133.0	44.0	200.0	43.0	37.0	140.0
TK53	8.75	male	570.0	720.0	125.0	70.0	135.0	41.0	200.0	44.0	30.0	150.0
TK5	4.55	female	420.0	660.0	105.0	62.0	115.0	32.0	160.0	35.0	30.0	115.0
TK6	7.20	male	520.0	690.0	113.0	67.0	127.0	33.0	190.0	34.0	34.0	130.0
TK7	5.30	female	470.0	610.0	109.0	63.0	118.0	35.5	180.0	32.0	30.0	130.0
TK8	7.35	male	520.0	710.0	115.0	69.0	139.0	38.0	190.0	33.0	33.0	140.0
TK9	6.90	male	470.0	765.0	122.0	75.0	136.0	36.0	195.0	32.0	31.0	140.0
TK10	6.90	female	460.0	740.0	125.0	66.0	128.0	32.0	180.0	44.0	34.0	130.0
TK54	5.30	male	510.0	660.0	112.0	64.0	125.0	34.0	160.0	36.0	30.0	120.0
TK11	7.20	male	470.0	650.0	114.0	67.0	119.0	31.0	180.0	36.0	32.0	135.0
TK55	5.85	female	450.0	682.0	117.0	68.0	122.0	34.0	180.0	45.0	32.0	120.0
TK12	6.50	male	470.0	695.0	125.0	65.0	121.0	36.0	170.0	39.0	30.0	125.0
TK13	9.15	male	510.0	760.0	134.0	66.0	136.0	40.0	190.0	38.0	34.0	150.0

Table 11.1 (cont): Morphological measurements of *D. lumholtzi*.

Animal	weight (kgs)	sex	Body length (mm) along back	tail length (mm)	head length (mm)	head width (mm)	hind foot length (mm)	hind foot width (mm)	hind leg (knee-heel) (mm)	ear size length (mm)	ear size width (mm)	forearm length (wrist-elbow) (mm)
TK14	8.80	male	510.0	710.0	127.0	73.0	133.0	39.0	170.0	32.0	31.0	135.0
TK15	5.10	female	420.0	650.0	110.0	63.0	121.0	35.0	175.0	30.0	25.0	120.0
TK56	8.70	male	510.0	710.0	123.0	62.0	133.0	40.0	200.0	32.0	30.0	140.0
TK16	2.03	female	310.0	465.0	98.5	44.0	93.5	28.0	116.0	28.0	26.0	78.0
TK57	7.05	male	410.0	705.0	120.0	70.0	135.0	50.0	190.0	40.0	33.0	140.0
TK17	6.60	female	460.0	660.0	118.0	72.0	124.0	33.0	165.0	39.0	27.0	130.0
TK18	7.60	female	470.0	690.0	120.0	69.0	122.0	39.0	190.0	38.0	32.0	130.0
TK19	2.94	female	350.0	540.0	99.0	56.0	111.0	32.0	140.0	32.0	26.0	95.0
TK20	0.56	male	210.0	315.0	68.5	40.0	74.0	19.0	85.0	22.0	22.0	60.0
TK21	6.00	female	480.0	725.0	116.0	64.0	126.0	37.0	175.0	33.0	31.0	130.0
TK22	6.75	male	520.0	720.0	112.0	52.0	124.0	33.0	195.0	39.0	28.0	145.0
TK23	5.75	female	480.0	720.0	118.0	72.0	126.0	38.0	175.0	41.0	31.0	120.0
TK24	3.25	male	365.0	500.0	95.0	46.0	100.0	29.0	145.0	28.0	26.0	95.0
TK25	6.70	male	510.0	670.0	119.0	65.0	126.0	38.0	185.0	35.0	29.0	140.0
TK26	4.75	male	430.0	660.0	110.0	63.0	118.0	34.0	165.0	32.0	30.0	125.0
TK27	0.59	male	250.0	335.0	67.0	40.0	76.0	20.0	95.0	19.5	20.3	60.0
TK28	7.46	male	460.0	710.0	113.0	73.0	135.0	41.0	175.0	32.6	35.0	145.0
TK29	7.90	female	490.0	720.0	119.0	67.0	126.0	36.0	170.0	31.0	32.0	120.0
TK30	6.60	female	490.0	710.0	117.0	68.0	132.0	40.0	175.0	37.0	31.0	140.0
TK32	8.75	male	500.0	710.0	123.5	72.0	131.0	41.0	190.0	34.0	31.5	140.0
TK64	5.40	female	460.0	630.0	119.0	64.5	130.0	34.5	195.0	34.0	33.0	125.0
TK65	6.85	male	490.0	480.0	120.0	66.5	136.0	40.0	170.0	38.0	35.0	140.0

11.1 APPENDIX 2: DESCRIPTION OF VEGETATION QUADRATS

Table 11.2: Vegetation quadrat variables

Plot	EDGE	Type	Animal	HM	scats	Aspect	Slope	Canopy height m	canopy bottom m	Canopy depth m	Movement	Ground	Mid canopy	Vines	No of Epiphytes
A1	1	1	1	75	1	4	2	10	0	10	3	2	2	3	0
A2	2	1	1	75	0	3	30	19	0	19	1	1	1	2	1
A3	2	1	2	55	0	4	20	20	8	12	3	3	1	2	0
A4	1	1	2	75	1	6	15	18	0	18	3	3	2	3	3
B1	1	1	1	55	6	3	5	12	0	12	2	1	1	1	2
B2	2	1	1	75	0	3	10	16	0	16	1	1	2	1	0
B3	2	1	2	90	0	3	5	18	0	18	3	3	1	0	0
B4	2	1	2	95	0	5	4	26	12	14	1	1	2	1	0
B5	2	1	3	95	0	5	10	16	0	16	1	1	1	1	3
B6	2	1	4	95	0	5	15	14	0	14	1	1	2	1	0
B7	2	1	4	90	0	5	15	16	4	12	1	1	1	1	5
B8	2	1	4	95	0	5	10	20	12	8	1	2	1	1	1
B9	2	1	4	90	0	5	10	18	10	8	1	2	1	1	2
C2	1	1	3	95	0	3	20	26	14	12	1	1	1	1	0
C3	2	2	3	95	0	2	5	27	15	12	1	1	1	1	0
C4	2	2	3	75	0	3	5	28	14	14	1	1	2	1	0
C5	2	2	3	55	0	2	2	27	12	15	2	2	1	1	0
C6	2	3	3	75	0	1	5	29	15	14	1	1	1	1	2
C7	2	3	4	55	4	1	25	26	8	18	1	1	1	1	0
C8	2	3	4	55	0	1	15	22	16	6	1	1	2	2	0
C9	2	1	4	75	0	1	5	19	10	9	2	2	2	1	1
C10	2	1	4	95	0	1	2	25	16	9	1	3	2	1	1
D2	1	2	3	95	0	2	15	25	16	9	2	2	1	1	0
D3	2	2	3	90	0	1	20	26	16	10	1	1	1	1	1
D4	2	2	3	55	0	2	10	26	16	10	1	1	1	1	0
D5	2	2	3	55	0	2	5	27	18	9	1	1	1	1	0

Table11.2 (cont): Vegetation quadrat variables

Plot	EDGE	Type	Animal	HM	scats	Aspect	Slope	Canopy height m	canopy bottom m	Canopy depth m	Movement	Ground	Mid canopy	Vines	No of Epiphytes
D9	2	1	4	75	0	1	25	22	0	22	1	1	1	1	1
D10	2	1	4	90	0	1	15	22	0	22	1	1	1	1	5
E3	1	2	3	95	1	2	10	27	0	27	1	1	1	1	0
E4	2	2	3	90	0	2	15	27	15	12	1	1	1	1	0
E5	2	2	3	95	0	1	20	27	15	12	1	1	1	1	0
E9	2	1	4	90	0	8	5	24	0	24	1	1	1	1	0
E10	2	1	4	95	0	2	15	24	0	24	1	1	1	1	6
F4	2	4	5	95	1	3	15	25	0	25	1	1	1	2	2
F5	2	4	3	95	0	3	10	24	6	18	1	1	1	2	0
F6	2	4	3	95	0	4	5	30	25	5	2	2	2	2	0
F7	2	4	3	95	1	5	2	28	0	28	1	2	1	1	1
F9	2	1	4	95	0	5	5	22	0	22	1	1	1	1	0
F10	2	1	4	95	3	2	5	24	0	24	1	1	1	1	3
G3	1	1	5	95	0	6	2	17	0	17	3	1	1	3	1
G4	2	4	5	75	1	3	20	30	15	15	1	1	1	1	0
G5	2	4	5	90	0	3	10	32	0	32	1	1	2	1	0
G6	2	4	5	95	3	4	3	28	0	28	1	1	2	2	2
H1	1	1	6	95	0	5	15	13	0	13	1	1	2	1	0
H2	1	1	5	95	0	5	15	25	5	20	1	1	1	1	2
H3	2	1	5	55	8	6	30	22	5	17	1	1	1	3	1
H4	2	4	5	55	0	3	20	27	0	27	1	1	2	2	1
H5	2	4	5	55	2	3	15	40	0	40	1	1	1	2	2
H6	2	4	5	90	0	3	5	35	0	35	1	1	2	2	3
I3	1	1	5	55	0	7	10	28	0	28	1	1	1	2	0
I4	2	4	5	55	0	4	10	35	0	35	1	1	1	3	1
I5	2	4	5	55	5	3	15	30	0	30	1	1	1	2	1
I6	2	4	5	90	2	3	10	35	0	35	1	1	2	2	3
J0	1	1	6	55	0	1	15	15	0	15	1	1	2	1	0

Table 11.2 (cont): Vegetation quadrat variables

Plot	EDGE	Type	Animal	HM	scats	Aspect	Slope	Canopy height m	canopy bottom m	Canopy depth m	Movement	Ground	Mid canopy	Vines	No of Epiphytes
J1	1	1	6	55	2	1	10	18	0	18	1	1	2	1	0
J2	1	1	6	75	0	1	30	20	0	20	2	2	1	1	1
J3	2	1	6	55	0	7	10	22	5	17	1	1	1	1	1
J4	2	4	5	75	0	3	10	30	0	30	1	1	1	2	3
J5	2	4	5	55	0	3	5	35	0	35	1	2	2	2	0
J6	2	4	5	95	0	3	10	40	20	20	1	2	1	2	3
K0	1	1	6	75	0	6	5	16	0	16	2	1	2	1	1
K1	2	1	6	55	3	7	5	13	0	13	1	1	1	1	1
K2	2	1	6	95	0	7	2	17	0	17	1	1	1	1	7
K3	2	1	6	95	0	3	5	17	3	14	1	1	1	1	1
K4	2	1	5	90	0	3	10	40	0	40	1	1	1	2	2
K5	2	4	5	95	2	2	5	40	16	24	1	1	1	2	1
L0	1	1	6	90	0	6	15	16	0	16	1	1	1	1	0
L1	2	1	6	75	0	6	15	17	0	17	1	1	1	1	1
L2	2	1	6	95	0	5	20	17	4	13	1	1	1	1	1
L3	2	1	7	95	0	5	15	19	4	15	1	1	1	1	4
L4	2	4	7	55	2	4	20	26	0	26	1	2	1	1	0
L5	2	4	7	90	1	5	15	45	12	33	1	1	1	1	3
L6	2	4	7	100	0	5	10	45	0	45	1	1	1	1	10
M1	1	1	6	95	4	6	10	16	0	16	1	1	1	1	0
M4	2	4	7	55	0	5	40	26	0	26	2	1	1	1	1
M5	2	4	7	90	0	5	10	35	0	35	2	2	2	1	0
M6	2	4	7	95	0	5	15	35	5	30	1	1	1	1	5
N5	2	4	7	75	0	1	5	40	0	40	2	2	2	1	1
N6	2	4	7	90	1	7	20	35	12	23	2	2	2	2	1
O4	2	4	7	75	0	1	15	40	0	40	1	1	2	1	0
O5	2	4	7	75	0	1	5	45	18	27	2	1	2	2	1
O6	2	4	7	75	0	3	5	45	0	45	1	1	1	1	8

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Table 11.2 (cont): Vegetation quadrat variables

Plot	EDGE	Type	Animal	HM	scats	Aspect	Slope	Canopy height m	canopy bottom m	Canopy depth m	Movement	Ground	Mid canopy	Vines	No of Epiphytes
SA1	2	5	6	55	0	4	40	8	0	8	3	2	2	1	1
SA2	2	5	6	55		1	40	9	0	9	3	2	1	0	3
SA3	1	5	6	90	1	6	30	15	0	15	2	2	2	0	0
SA4	1	5	6	95	3	4	30	6	0	6	3	3	3	0	0
SB1	2	5	6	55	2	1	30	12	0	12	1	1	1	1	2
SB2	2	5	6	100	1	1	45	15	0	15	2	1	1	1	1
SC1	2	5	6	100	8	6	30	17	0	17	2	1	1	1	4
SC2	1	5	0	100		3	10	2	0	2	3	3	0	0	1
SC3	1	5	0	100		2	45	9	0	9	3	3	1	1	0
SD1	1	5	8	75		3	15	14	0	14	3	3	3	0	0
SD2	2	5	8	95	30	3	40	17	0	17	2	2	2	1	3
SD3	2	5	8	95	37	7	30	17	0	17	1	1	1	1	1
SE1	2	5	6	95	0	6	40	20	0	20	1	1	2	1	3
SE2	1	5	6	95		7	50	9	0	9	3	3	3	0	0
SE3	1	5	6	95	0	7	45	12	0	12	3	2	2	1	3
SE4	1	5	6	95	6	6	20	7	0	7	3	3	3	1	0

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Table 11.2 (cont): Vegetation quadrat variables

Plot	total No of trees measured	No of spp canopy	no of family canopy	no of spp mid	no family mid	no of spp understorey	no family understorey	spp total	family	Basal area
A1	9	7	5	11	10	12	10	14	11	37.1
A2	12	9	8	15	13	10	8	20	15	52.4
A3	4	3	3	4	3	7	6	10	8	13.1
A4	10	6	5	17	14	13	13	23	18	49.9
B1	58	9	8	12	11	10	10	17	15	172.5
B2	28	8	4	12	8	6	6	15	9	92.5
B3	0	0	0	2	1	8	7	10	8	0.0
B4	21	6	5	6	5	11	8	14	9	95.8
B5	36	9	7	8	5	16	10	21	13	122.5
B6	29	7	6	10	8	20	16	21	18	99.6
B7	41	10	7	21	14	19	13	37	22	154.7
B8	19	6	5	9	8	17	9	26	13	84.8
B9	21	4	4	13	9	18	13	24	17	89.7
C2	13	5	5	5	4	8	7	12	10	59.3
C3	14	4	3	7	6	8	7	13	11	70.7
C4	22	7	5	10	8	7	7	14	12	96.3
C5	8	1	1	3	3	9	9	10	10	55.6
C6	17	9	7	12	8	22	15	30	20	72.7
C7	16	11	7	14	10	24	17	31	21	57.9
C8	34	4	4	13	8	27	19	33	20	135.7
C9	36	9	7	16	13	19	15	27	19	163.7
C10	22	8	5	12	8	13	12	21	14	84.9
D2	17	8	6	13	9	8	8	17	13	79.8
D3	12	8	8	8	7	13	9	20	15	57.0
D4	19	7	7	12	10	10	8	18	14	76.9
D5	16	6	6	11	11	11	9	16	14	91.3

Table 11.2 (cont): Vegetation quadrat variables

Plot	total No of trees measured	No of spp canopy	no of family canopy	no of spp mid	no family mid	no of spp understorey	no family understorey	spp total	family	Basal area
D9	39	6	5	11	7	24	20	28	21	192.7
D10	38	10	7	18	11	25	14	35	17	131.6
E3	12	6	5	9	8	9	9	16	15	71.8
E4	15	10	7	12	8	15	15	25	21	68.9
E5	16	7	7	11	10	11	10	17	14	78.8
E9	11	7	7	11	8	17	12	21	15	43.9
E10	36	14	7	21	13	23	14	37	20	157.0
F4	29	15	10	25	17	25	14	45	23	102.4
F5	24	15	12	27	17	19	15	40	25	82.4
F6	29	13	6	20	13	18	12	28	16	99.1
F7	30	21	13	29	18	29	15	50	28	95.3
F9	22	9	6	16	13	28	20	34	23	95.2
F10	27	12	6	23	15	29	18	38	24	100.7
G3	41	12	8	26	18	27	21	42	27	137.0
G4	12	10	6	19	12	24	16	41	20	42.7
G5	33	16	9	26	16	26	12	45	19	97.1
G6	31	14	8	19	13	15	12	30	20	92.2
H1	62	10	8	14	10	18	14	26	16	187.0
H2	44	12	7	13	10	18	11	29	17	157.5
H3	35	15	10	21	13	33	20	44	24	109.4
H4	24	18	11	23	17	35	21	54	27	92.5
H5	31	23	12	35	26	37	21	61	30	122.7
H6	36	19	13	32	21	41	20	63	31	106.7
I3	44	16	9	20	11	25	16	41	21	164.4
I4	47	20	14	46	28	52	28	72	37	148.5
I5	30	23	15	40	25	58	30	87	41	105.3
I6	44	27	22	56	32	48	27	92	44	145.8

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Table 11.2 (cont): Vegetation quadrat variables

Plot	total No of trees measured	No of spp canopy	no of family canopy	no of spp mid	no family mid	no of spp understorey	no family understorey	spp total	family	Basal area
J0	68	12	8	27	17	25	17	40	25	232.5
J1	37	12	9	20	15	19	14	34	22	145.1
J2	28	7	7	15	14	24	16	28	20	82.3
J3	20	6	5	11	9	28	18	32	20	85.8
J4	27	21	16	23	20	36	24	52	33	111.9
J5	36	23	17	32	23	52	26	70	34	133.5
J6	25	21	12	36	22	50	30	71	37	87.1
K0	40	7	6	14	11	18	14	27	19	153.7
K1	25	8	6	14	11	25	16	32	20	85.2
K2	38	11	10	26	18	28	15	44	22	148.2
K3	42	13	8	20	9	30	19	44	21	136.3
K4	35	26	17	32	20	34	21	61	31	147.5
K5	41	28	16	39	24	40	22	71	33	144.7
L0	43	12	7	17	12	19	13	26	16	157.6
L1	24	8	7	13	10	15	12	20	15	77.3
L2	43	12	8	16	11	25	18	34	20	142.5
L3	27	11	9	21	17	23	17	36	25	104.2
L4	47	20	15	34	19	39	21	54	25	136.9
L5	30	20	11	39	22	40	18	69	28	123.6
L6	37	24	14	34	24	44	20	73	35	143.8
M1	30	11	8	16	12	23	15	31	18	93.7
M4	33	17	13	24	19	43	24	59	32	121.9
M5	34	21	11	46	26	55	25	87	36	117.4
M6	24	14	10	36	23	46	26	68	34	84.0
N5	24	17	14	36	23	41	29	63	38	88.6
N6	21	16	11	35	24	51	32	76	43	96.4
O4	42	19	12	34	24	40	29	60	38	119.1

Table 11.2 (cont): Vegetation quadrat variables

Plot	total No of trees measured	No of spp canopy	no of family canopy	no of spp mid	no family mid	no of spp understorey	no family understorey	spp total	family	Basal area
O5	44	24	14	37	25	34	22	55	30	135.9
O6	31	17	14	24	21	30	15	52	30	113.6
SA1	25	7	7	16	14	24	19	32	25	80.4
SA2	12	5	5	13	11	15	11	21	16	41.4
SA3	36	11	7	13	9	17	15	25	17	117.7
SA4	5	4	4	10	9	10	10	15	14	19.5
SB1	68	11	9	19	12	16	12	29	19	246.8
SB2	55	11	8	17	12	25	21	33	25	195.5
SC1	42	9	7	18	17	19	17	29	23	172.6
SC2	2	2	2	1	1	4	3	7	6	9.7
SC3	12	6	6	7	7	16	12	20	16	38.4
SD1	7	3	3	4	4	2	2	4	4	20.3
SD2	26	10	9	14	12	23	20	32	25	118.9
SD3	39	6	6	11	10	16	15	20	18	163.2
SE1	72	15	12	23	17	24	22	42	32	264.8
SE2	1	1	1	2	2	5	4	6	5	5.6
SE3	12	8	7	10	9	18	14	28	21	49.1
SE4	21	7	6	10	8	14	12	19	16	63.0

Table 11.3: Correlations for intensity of use (HM) and structural characters of the vegetation.

Spearman's rho		%HM	Slope Deg	Canopy height (m)	Canopy depth (m)	No of Epiphytes	total No of trees measured	No of spp canopy	no of family canopy	no of spp mid	no family mid	no of spp understorey	no family understorey	no of spp total	no family total	Basal area	Aspect
%HM	Correlation Coefficient	1.000	-.139	-.005	-.058	.060	-.053	-.004	-.067	-.067	-.110	-.116	-.131	-.071	-.113	-.050	.232*
	Sig. (2-tailed)	.	.173	.964	.572	.560	.605	.966	.511	.514	.280	.254	.197	.487	.269	.623	.021
	N	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
Slope Deg	Correlation Coefficient	-.139	1.000	-.331**	-.159	.032	-.026	-.123	-.022	-.108	-.076	-.058	.064	-.065	.024	-.036	.038
	Sig. (2-tailed)	.173	.	.001	.117	.751	.799	.226	.826	.288	.457	.568	.530	.526	.813	.726	.712
	N	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
Canopy height (m)	Correlation Coefficient	-.005	-.331**	1.000	.655**	.100	.081	.597**	.523**	.548**	.518**	.523**	.425**	.568**	.504**	.097	-.237*
	Sig. (2-tailed)	.964	.001	.	.000	.328	.430	.000	.000	.000	.000	.000	.000	.000	.000	.342	.019
	N	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
Canopy depth (m)	Correlation Coefficient	-.058	-.159	.655**	1.000	.305**	.377**	.735**	.700**	.707**	.698**	.693**	.611**	.723**	.692**	.350**	.041
	Sig. (2-tailed)	.572	.117	.000	.	.002	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.690
	N	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
No Epiphytes	Correlation Coefficient	.060	.032	.100	.305**	1.000	.298**	.335**	.373**	.391**	.421**	.370**	.327**	.428**	.435**	.334**	.095
	Sig. (2-tailed)	.560	.751	.328	.002	.	.003	.001	.000	.000	.000	.000	.001	.000	.000	.001	.353
	N	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
total No of trees meas.	Correlation Coefficient	-.053	-.026	.081	.377**	.298**	1.000	.609**	.579**	.587**	.520**	.532**	.521**	.559**	.520**	.951**	.054
	Sig. (2-tailed)	.605	.799	.430	.000	.003	.	.000	.000	.000	.000	.000	.000	.000	.000	.000	.597
	N	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
No of spp canopy	Correlation Coefficient	-.004	-.123	.597**	.735**	.335**	.609**	1.000	.924**	.912**	.856**	.814**	.734**	.894**	.830**	.543**	.001
	Sig. (2-tailed)	.966	.226	.000	.000	.001	.000	.	.000	.000	.000	.000	.000	.000	.000	.000	.991
	N	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
no of family canopy	Correlation Coefficient	-.067	-.022	.523**	.700**	.373**	.579**	.924**	1.000	.855**	.847**	.779**	.727**	.851**	.835**	.513**	-.006
	Sig. (2-tailed)	.511	.826	.000	.000	.000	.000	.000	.	.000	.000	.000	.000	.000	.000	.000	.955
	N	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98

Table 11.3 (cont): Correlations for intensity of use (HM) and structural characters of the vegetation.

Spearman's rho		%HM	Slope Deg	Canopy height (m)	Canopy depth (m)	No of Epiphytes	total No of trees measured	No of spp canopy	no of family canopy	no of spp mid	no family mid	no of spp understorey	no family understorey	no of spp total	no family total	Basal area	Aspect
no of spp mid	Correlation Coefficient	-.067	-.108	.548**	.707**	.391**	.587**	.912**	.855**	1.000	.958**	.865**	.795**	.938**	.889**	.530**	.001
	Sig. (2-tailed)	.514	.288	.000	.000	.000	.000	.000	.000	.	.000	.000	.000	.000	.000	.000	.991
	N	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
no family mid	Correlation Coefficient	-.110	-.076	.518**	.698**	.421**	.520**	.856**	.847**	.958**	1.000	.819**	.769**	.883**	.878**	.479**	.029
	Sig. (2-tailed)	.280	.457	.000	.000	.000	.000	.000	.000	.000	.	.000	.000	.000	.000	.000	.775
	N	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
no of spp understorey	Correlation Coefficient	-.116	-.058	.523**	.693**	.370**	.532**	.814**	.779**	.865**	.819**	1.000	.930**	.964**	.923**	.493**	.059
	Sig. (2-tailed)	.254	.568	.000	.000	.000	.000	.000	.000	.000	.000	.	.000	.000	.000	.000	.567
	N	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
no family understorey	Correlation Coefficient	-.131	.064	.425**	.611**	.327**	.521**	.734**	.727**	.795**	.769**	.930**	1.000	.886**	.938**	.494**	.043
	Sig. (2-tailed)	.197	.530	.000	.000	.001	.000	.000	.000	.000	.000	.000	.	.000	.000	.000	.673
	N	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
no of spp total	Correlation Coefficient	-.071	-.065	.568**	.723**	.428**	.559**	.894**	.851**	.938**	.883**	.964**	.886**	1.000	.945**	.515**	.037
	Sig. (2-tailed)	.487	.526	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.	.000	.000	.715
	N	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
no family total	Correlation Coefficient	-.113	.024	.504**	.692**	.435**	.520**	.830**	.835**	.889**	.878**	.923**	.938**	.945**	1.000	.491**	.018
	Sig. (2-tailed)	.269	.813	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.000	.	.000	.862
	N	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
Basal area	Correlation Coefficient	-.050	-.036	.097	.350**	.334**	.951**	.543**	.513**	.530**	.479**	.493**	.494**	.515**	.491**	1.000	.053
	Sig. (2-tailed)	.623	.726	.342	.000	.001	.000	.000	.000	.000	.000	.000	.000	.000	.000	.	.607
	N	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
Aspect	Correlation Coefficient	.232*	.038	-.237*	.041	.095	.054	.001	-.006	.001	.029	.059	.043	.037	.018	.053	1.000
	Sig. (2-tailed)	.021	.712	.019	.690	.353	.597	.991	.955	.991	.775	.567	.673	.715	.862	.607	.
	N	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98

** Correlation is significant at the 0.01 level (2-tailed).
* Correlation is significant at the 0.05 level (2-tailed).

Table 11.4: Correlations for intensity of use (HM and scats collected) and structural characters of the vegetation.

	Spearman's rho	%HM	Movement (1-3)	Ground (1-3)	Mid canopy (1-3)	Vines (1-3)	EDGE/NOT EDGE	Type	scats/sep
%HM	Correlation Coefficient	1.000	-.160	-.001	.109	-.080	-.059	-.142	-.082
	Sig. (2-tailed)	.	.117	.994	.286	.434	.562	.162	.434
	N	98	98	98	98	98	98	98	93
Movement (1-3)	Correlation Coefficient	-.160	1.000	.712**	.310**	-.188	-.434**	.324**	.115
	Sig. (2-tailed)	.117	.	.000	.002	.064	.000	.001	.273
	N	98	98	98	98	98	98	98	93
Ground (1-3)	Correlation Coefficient	-.001	.712**	1.000	.315**	-.216*	-.283**	.282**	.050
	Sig. (2-tailed)	.994	.000	.	.002	.032	.005	.005	.633
	N	98	98	98	98	98	98	98	93
Mid canopy (1-3)	Correlation Coefficient	.109	.310**	.315**	1.000	.021	-.198	.235*	.017
	Sig. (2-tailed)	.286	.002	.002	.	.841	.051	.020	.875
	N	98	98	98	98	98	98	98	93
Vines (0-3)	Correlation Coefficient	-.080	-.188	-.216*	.021	1.000	.191	-.093	.063
	Sig. (2-tailed)	.434	.064	.032	.841	.	.059	.364	.548
	N	98	98	98	98	98	98	98	93
EDGE/NOT EDGE	Correlation Coefficient	-.059	-.434**	-.283**	-.198	.191	1.000	.068	-.140
	Sig. (2-tailed)	.562	.000	.005	.051	.059	.	.505	.180
	N	98	98	98	98	98	98	98	93
Type	Correlation Coefficient	-.142	.324**	.282**	.235*	-.093	.068	1.000	.327**
	Sig. (2-tailed)	.162	.001	.005	.020	.364	.505	.	.001
	N	98	98	98	98	98	98	98	93
scats/sep	Correlation Coefficient	-.082	.115	.050	.017	.063	-.140	.327**	1.000
	Sig. (2-tailed)	.434	.273	.633	.875	.548	.180	.001	.
	N	93	93	93	93	93	93	93	93

** Correlation is significant at the 0.01 level (2-tailed).
* Correlation is significant at the 0.05 level (2-tailed).

Table 11.5:. Correlations for intensity of use (scats collected) and structural characters of the vegetation.

		scats/sep	Aspect	Slope Deg	Canopy height (m)	Canopy depth (m)	No of Epiphytes	total No of trees measured	No of spp canopy	no of family canopy	no of spp mid	no family mid	no of spp understorey	no family understorey	no of spp total	no family total	Basal area
scats/sep	Pearson Correlation	1	.154	.319**	-.175	-.057	.031	.068	-.069	-.018	-.076	-.036	-.042	.051	-.068	.008	.112
	Sig. (2-tailed)		.142	.002	.093	.584	.768	.515	.512	.862	.466	.731	.690	.629	.514	.938	.287
	N	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93	93
Aspect	Pearson Correlation	.154	1	.066	-.215*	-.016	.107	.016	-.044	-.046	-.024	-.013	.047	.023	.019	-.003	-.008
	Sig. (2-tailed)	.142		.520	.033	.875	.294	.875	.670	.653	.813	.899	.645	.825	.851	.975	.935
	N	93	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
Slope Deg	Pearson Correlation	.319**	.066	1	-.392**	-.227*	-.016	-.002	-.189	-.105	-.189	-.138	-.094	.014	-.136	-.034	.001
	Sig. (2-tailed)	.002	.520		.000	.025	.878	.986	.063	.304	.063	.175	.355	.887	.181	.738	.989
	N	93	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
Canopy height (m)	Pearson Correlation	-.175	-.215*	-.392**	1	.766**	.230*	.104	.713**	.631**	.671**	.657**	.629**	.521**	.689**	.621**	.128
	Sig. (2-tailed)	.093	.033	.000		.000	.023	.307	.000	.000	.000	.000	.000	.000	.000	.000	.209
	N	93	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
Canopy depth (m)	Pearson Correlation	-.057	-.016	-.227*	.766**	1	.370**	.282**	.778**	.739**	.742**	.753**	.717**	.611**	.765**	.720**	.256*
	Sig. (2-tailed)	.584	.875	.025	.000		.000	.005	.000	.000	.000	.000	.000	.000	.000	.000	.011
	N	93	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
No of Epiphytes	Pearson Correlation	.031	.107	-.016	.230*	.370**	1	.218*	.291**	.312**	.304**	.363**	.284**	.206*	.338**	.342**	.265**
	Sig. (2-tailed)	.768	.294	.878	.023	.000		.031	.004	.002	.002	.000	.005	.042	.001	.001	.008
	N	93	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
total No of trees measured	Pearson Correlation	.068	.016	-.002	.104	.282**	.218*	1	.492**	.488**	.472**	.453**	.393**	.444**	.416**	.446**	.955**
	Sig. (2-tailed)	.515	.875	.986	.307	.005	.031		.000	.000	.000	.000	.000	.000	.000	.000	.000
	N	93	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
No of spp canopy	Pearson Correlation	-.069	-.044	-.189	.713**	.778**	.291**	.492**	1	.937**	.908**	.889**	.832**	.742**	.904**	.847**	.433**
	Sig. (2-tailed)	.512	.670	.063	.000	.000	.004	.000		.000	.000	.000	.000	.000	.000	.000	.000
	N	93	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98

Table 11.5 (Cont). Correlations for intensity of use (scats collected) and structural characters of the vegetation.

		scats/sep	Aspect	Slope Deg	Canopy height (m)	Canopy depth (m)	No of Epiphytes	total No of trees measured	No of spp canopy	no of family canopy	no of spp mid	no family mid	no of spp understorey	no family understorey	no of spp total	no family total	Basal area
no of family canopy	Pearson Correlation	-.018	-.046	-.105	.631**	.739**	.312**	.488**	.937**	1	.869**	.883**	.803**	.747**	.868**	.862**	.435**
	Sig. (2-tailed)	.862	.653	.304	.000	.000	.002	.000	.000		.000	.000	.000	.000	.000	.000	.000
	N	93	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
no of spp mid	Pearson Correlation	-.076	-.024	-.189	.671**	.742**	.304**	.472**	.908**	.869**	1	.966**	.889**	.811**	.954**	.904**	.411**
	Sig. (2-tailed)	.466	.813	.063	.000	.000	.002	.000	.000	.000		.000	.000	.000	.000	.000	.000
	N	93	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
no family mid	Pearson Correlation	-.036	-.013	-.138	.657**	.753**	.363**	.453**	.889**	.883**	.966**	1	.870**	.818**	.926**	.923**	.407**
	Sig. (2-tailed)	.731	.899	.175	.000	.000	.000	.000	.000	.000	.000		.000	.000	.000	.000	.000
	N	93	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
no of spp understorey	Pearson Correlation	-.042	.047	-.094	.629**	.717**	.284**	.393**	.832**	.803**	.889**	.870**	1	.930**	.968**	.931**	.350**
	Sig. (2-tailed)	.690	.645	.355	.000	.000	.005	.000	.000	.000	.000	.000		.000	.000	.000	.000
	N	93	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
no family understorey	Pearson Correlation	.051	.023	.014	.521**	.611**	.206*	.444**	.742**	.747**	.811**	.818**	.930**	1	.878**	.945**	.420**
	Sig. (2-tailed)	.629	.825	.887	.000	.000	.042	.000	.000	.000	.000	.000	.000		.000	.000	.000
	N	93	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
no of spp total	Pearson Correlation	-.068	.019	-.136	.689**	.765**	.338**	.416**	.904**	.868**	.954**	.926**	.968**	.878**	1	.946**	.372**
	Sig. (2-tailed)	.514	.851	.181	.000	.000	.001	.000	.000	.000	.000	.000	.000	.000		.000	.000
	N	93	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
no family total	Pearson Correlation	.008	-.003	-.034	.621**	.720**	.342**	.446**	.847**	.862**	.904**	.923**	.931**	.945**	.946**	1	.422**
	Sig. (2-tailed)	.938	.975	.738	.000	.000	.001	.000	.000	.000	.000	.000	.000	.000	.000		.000
	N	93	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98
Basal area	Pearson Correlation	.112	-.008	.001	.128	.256*	.265**	.955**	.433**	.435**	.411**	.407**	.350**	.420**	.372**	.422**	1
	Sig. (2-tailed)	.287	.935	.989	.209	.011	.008	.000	.000	.000	.000	.000	.000	.000	.000	.000	
	N	93	98	98	98	98	98	98	98	98	98	98	98	98	98	98	98

** Correlation is significant at the 0.01 level (2-tailed). * Correlation is significant at the 0.05 level (2-tailed).

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Table 11.6: Correlations between intensity of use (HM) and 26 dominant tree species from quadrats.

	Spearman's rho N = 98	%HM	Acronychia_aberrans	Acronychia_acidula	Alphitonia petriei	Beilschmiedia_tooram	Caldcluvia_australiensis	Ceratopetalum_succirubrum	Cryptocarya_lividula	Cryptocarya_melanocarpa	Cyathea_cooperi	Dinosperma_stipitata	Endiandra_leptodendron	Endiandra_wolfei	Flindersia_bourjotiana	Flindersia_brayleyana	Franciscodendron_laurifolium	Glochidion_hylandii	Guioa_lasioneura	Helicia_nortoniana	Litsea_leefeana	Lomatia_fraxinifolia	Melicope_jonesii	Neolitsea_dealbata	Pinus_caribaea	Psidium_cattleianum	Rhodamnia_sessiliflora	Rhodomyrtus_pervagata
%HM	Correlation Coefficient	1.000	-.027	.217*	.103	.049	.201*	.006	.097	.107	.134	.028	.031	.013	-.124	-.013	-.127	-.008	-.051	-.094	-.094	-.003	.037	-.023	-.001	.052	-.043	.024
	Sig. (2-tailed)	.	.790	.032	.312	.634	.048	.955	.342	.294	.187	.786	.763	.901	.223	.897	.214	.934	.615	.356	.358	.980	.718	.825	.993	.612	.676	.816
Acronychia_aberrans	Correlation Coefficient	-.027	1.00	.135	-.074	-.099	.160	.045	-.040	.132	.114	-.015	-.116	.056	.018	-.001	-.075	-.041	.120	.024	.144	.040	-.014	.145	-.051	-.084	-.009	.151
	Sig. (2-tailed)	.790	.	.184	.472	.333	.114	.663	.699	.197	.264	.880	.255	.583	.860	.995	.463	.691	.239	.815	.157	.697	.891	.155	.621	.412	.929	.137
Acronychia_acidula	Correlation Coefficient	.217*	.135	1.000	.029	-.152	-.006	-.157	-.051	.256*	-.034	.047	-.059	.107	.069	-.119	-.138	-.116	-.010	-.084	.074	.054	-.005	.170	-.049	-.030	-.001	-.135
	Sig. (2-tailed)	.032	.184	.	.777	.135	.955	.124	.617	.011	.743	.647	.565	.296	.501	.242	.175	.255	.922	.410	.470	.600	.962	.095	.632	.767	.995	.184
Alphitonia_petriei	Correlation Coefficient	.103	-.074	.029	1.000	-.370**	.062	-.193	.145	-.086	.171	-.250*	-.515**	-.177	-.142	.144	-.497**	.303**	.445**	.106	-.197	.257*	.055	.007	.194	.385**	.097	.532**
	Sig. (2-tailed)	.312	.472	.777	.	.000	.541	.057	.155	.402	.093	.013	.000	.081	.164	.156	.000	.002	.000	.297	.052	.011	.589	.946	.056	.000	.340	.000
Beilschmiedia_tooram	Correlation Coefficient	.049	-.099	-.152	-.370**	1.000	-.010	.229*	-.045	.069	-.131	.080	.539**	.194	.189	-.044	.698**	-.274**	-.442**	.172	.148	-.080	-.119	-.217*	-.164	-.247*	-.186	-.311**
	Sig. (2-tailed)	.634	.333	.135	.000	.	.921	.023	.662	.502	.198	.432	.000	.056	.063	.665	.000	.006	.000	.091	.145	.436	.245	.032	.107	.014	.066	.002
Caldcluvia_australiensis	Correlation Coefficient	.201*	.160	-.006	.062	-.010	1.000	-.001	-.026	.087	.559**	-.076	-.019	-.112	-.108	-.023	-.066	.115	.088	-.129	-.038	.054	-.108	-.016	-.095	.187	-.108	.190
	Sig. (2-tailed)	.048	.114	.955	.541	.921	.	.990	.800	.395	.000	.457	.853	.271	.289	.821	.521	.261	.389	.206	.713	.600	.289	.874	.352	.065	.290	.061
Ceratopetalum_succirubrum	Correlation Coefficient	.006	.045	-.157	-.193	.229*	-.001	1.000	-.046	.146	-.034	.344**	.467**	.117	.341**	-.182	.441**	-.171	-.286**	.110	.082	.099	-.125	-.066	-.170	-.199*	-.194	-.066
	Sig. (2-tailed)	.955	.663	.124	.057	.023	.990	.	.650	.150	.738	.001	.000	.253	.001	.073	.000	.092	.004	.280	.422	.334	.222	.516	.094	.049	.056	.517
Cryptocarya_lividula	Correlation Coefficient	.097	-.040	-.051	.145	-.045	-.026	-.046	1.000	-.030	-.030	-.030	-.066	-.045	-.043	.170	-.060	.131	.111	-.051	-.074	.265**	-.043	.141	-.038	-.057	-.043	.163
	Sig. (2-tailed)	.342	.699	.617	.155	.662	.800	.650	.	.767	.768	.768	.518	.662	.674	.094	.557	.198	.277	.616	.470	.008	.674	.167	.712	.576	.674	.109
Cryptocarya_melanocarpa	Correlation Coefficient	.107	.132	.256*	-.086	.069	.087	.146	-.030	1.000	.066	.054	.219*	.192	.510**	-.164	.179	-.186	-.148	-.150	.076	-.106	-.023	.153	-.111	-.168	-.126	-.114
	Sig. (2-tailed)	.294	.197	.011	.402	.502	.395	.150	.767	.	.520	.598	.030	.058	.000	.107	.078	.067	.145	.139	.456	.300	.819	.132	.277	.099	.216	.262

Table 11.6 (cont): Correlations between intensity of use (HM) and 26 dominant tree species from quadrats.

	Spearman's rho N = 98	%HM	Acronychia_aberrans	Acronychia_acidula	Alphitonia_petriei	Beilschmiedia_tooram	Caldcluvia_australiensis	Ceratopetalum_succirubrum	Cryptocarya_lividula	Cryptocarya_melanocarpa	Cyathea_cooperi	Dinosperma_stipitata	Endiandra_leptodendron	Endiandra_wolfei	Flindersia_bourjotiana	Flindersia_brayleyana	Franciscodendron_laurifolium	Glochidion_hylandii	Guioa_lasioneura	Helicia_nortoniana	Litsea_leefeana	Lomatia_fraxinifolia	Melicope_jonesii	Neolitsea_dealbata	Pinus_caribaea	Psidium_cattleianum	Rhodamnia_sessiliflora	Rhodomyrtus_pervagata
Cyathea_Cooperi	Correlation Coefficient	.134	.114	-.034	.171	-.131	.559**	-.034	-.030	.066	1.000	-.089	-.132	-.131	-.126	.144	-.176	.285**	.160	-.150	-.154	.022	-.126	.004	-.111	.020	-.126	.039
	Sig. (2-tailed)	.187	.264	.743	.093	.198	.000	.738	.768	.520	.	.385	.196	.198	.216	.157	.083	.004	.115	.140	.129	.832	.216	.968	.277	.847	.216	.700
Dinosperma_Stipitata	Correlation Coefficient	.028	-.015	.047	-.250*	.080	-.076	.344**	-.030	.054	-.089	1.000	.435**	.270**	-.126	-.164	.276**	-.186	-.330**	-.059	-.124	-.106	-.032	-.113	-.111	-.167	-.126	-.211*
	Sig. (2-tailed)	.786	.880	.647	.013	.432	.457	.001	.768	.598	.385	.	.000	.007	.216	.107	.006	.067	.001	.562	.224	.300	.752	.270	.277	.099	.216	.037
Endiandra_leptodendron	Correlation Coefficient	.031	-.116	-.059	-.515**	.539**	-.019	.467**	-.066	.219*	-.132	.435**	1.000	.401**	.343**	-.208*	.776**	-.328**	-.573**	.045	.195	-.178	-.056	-.107	-.243*	-.315**	-.232*	-.393**
	Sig. (2-tailed)	.763	.255	.565	.000	.000	.853	.000	.518	.030	.196	.000	.	.000	.001	.040	.000	.001	.000	.663	.054	.080	.584	.296	.016	.002	.022	.000
Endiandra_Wolfei	Correlation Coefficient	.013	.056	.107	-.177	.194	-.112	.117	-.045	.192	-.131	.270**	.401**	1.000	.302**	-.046	.303**	-.175	-.162	-.160	.116	.086	.123	-.121	-.164	-.191	-.186	-.134
	Sig. (2-tailed)	.901	.583	.296	.081	.056	.271	.253	.662	.058	.198	.007	.000	.	.003	.651	.002	.084	.111	.115	.254	.399	.228	.233	.107	.060	.066	.188
Flindersia_Bourjotiana	Correlation Coefficient	-.124	.018	.069	-.142	.189	-.108	.341**	-.043	.510**	-.126	-.126	.343**	.302**	1.000	-.116	.328**	-.195	-.244*	.068	.308**	-.060	-.095	.159	-.158	-.238*	-.179	-.067
	Sig. (2-tailed)	.223	.860	.501	.164	.063	.289	.001	.674	.000	.216	.216	.001	.003	.	.254	.001	.054	.015	.503	.002	.559	.354	.118	.121	.018	.077	.515
Flindersia_Brayleyana	Correlation Coefficient	-.013	-.001	-.119	.144	-.044	-.023	-.182	.170	-.164	.144	-.164	-.208*	-.046	-.116	1.000	-.171	.235*	.198	-.104	-.160	-.128	.196	.091	.066	.024	.155	.046
	Sig. (2-tailed)	.897	.995	.242	.156	.665	.821	.073	.094	.107	.157	.107	.040	.651	.254	.	.093	.020	.050	.310	.115	.209	.053	.371	.516	.814	.127	.653
Franciscodendron_laurifolium	Correlation Coefficient	-.127	-.075	-.138	-.497**	.698**	-.066	.441**	-.060	.179	-.176	.276**	.776**	.303**	.328**	-.171	1.000	-.369**	-.592**	.094	.094	-.129	-.030	-.233*	-.220*	-.333**	-.250*	-.419**
	Sig. (2-tailed)	.214	.463	.175	.000	.000	.521	.000	.557	.078	.083	.006	.000	.002	.001	.093	.	.000	.000	.356	.357	.207	.766	.021	.029	.001	.013	.000
Glochidion_Hylandii	Correlation Coefficient	-.008	-.041	-.116	.303**	-.274**	.115	-.171	.131	-.186	.285**	-.186	-.328**	-.175	-.195	.235*	-.369**	1.000	.398**	-.083	-.114	-.017	.101	.034	-.029	.136	.153	.261**
	Sig. (2-tailed)	.934	.691	.255	.002	.006	.261	.092	.198	.067	.004	.067	.001	.084	.054	.020	.000	.	.000	.417	.263	.871	.321	.739	.781	.181	.134	.009
Guioa_Lasioneura	Correlation Coefficient	-.051	.120	-.010	.445**	-.442**	.088	-.286**	.111	-.148	.160	-.330**	-.573**	-.162	-.244*	.198	-.592**	.398**	1.000	.057	.023	.294**	.002	.337**	-.126	.324**	.245*	.516**
	Sig. (2-tailed)	.615	.239	.922	.000	.000	.389	.004	.277	.145	.115	.001	.000	.111	.015	.050	.000	.000	.	.579	.822	.003	.986	.001	.217	.001	.015	.000

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Table 11.6 (cont): Correlations between intensity of use (HM) and 26 dominant tree species from quadrats.

Spearman's rho N = 98		%HM	Acronychia_aberrans	Acronychia_acidula	Alphitonia_petriei	Beilschmiedia_tooram	Caldcluvia_australiensis	Ceratopetalum_succirubrum	Cryptocarya_lividula	Cryptocarya_melanocarpa	Cyathea_cooperi	Dinosperma_stipitata	Endiandra_leptodendron	Endiandra_wolfei	Flindersia_bourjotiana	Flindersia_brayleyana	Franciscodendron_laurifolium	Glochidion_hylandii	Guioa_lasioneura	Helicia_nortoniana	Litsea_leefeana	Lomatia_fraxinifolia	Melicope_jonesii	Neolitsea_dealbata	Pinus_caribaea	Psidium_cattleianum	Rhodamnia_sessiliflora	Rhodomyrtus_pervagata
Helicia_Nortoniana	Correlation Coefficient	-.094	.024	-.084	.106	.172	-.129	.110	-.051	-.150	-.150	-.059	.045	-.160	.068	-.104	.094	-.083	.057	1.000	.253*	.051	-.150	.049	-.114	.195	-.075	.161
	Sig. (2-tailed)	.356	.815	.410	.297	.091	.206	.280	.616	.139	.140	.562	.663	.115	.503	.310	.356	.417	.579	.	.012	.621	.141	.634	.262	.054	.464	.113
Litsea_leefeana	Correlation Coefficient	-.094	.144	.074	-.197	.148	-.038	.082	-.074	.076	-.154	-.124	.195	.116	.308**	-.160	.094	-.114	.023	.253*	1.000	.092	-.055	.275**	-.145	-.064	-.030	-.068
	Sig. (2-tailed)	.358	.157	.470	.052	.145	.713	.422	.470	.456	.129	.224	.054	.254	.002	.115	.357	.263	.822	.012	.	.367	.589	.006	.155	.534	.766	.508
Lomatia_Fraxinifolia	Correlation Coefficient	-.003	.040	.054	.257*	-.080	.054	.099	.265**	-.106	.022	-.106	-.178	.086	-.060	-.128	-.129	-.017	.294**	.051	.092	1.000	-.150	.201*	-.132	.035	.016	.388**
	Sig. (2-tailed)	.980	.697	.600	.011	.436	.600	.334	.008	.300	.832	.300	.080	.399	.559	.209	.207	.871	.003	.621	.367	.	.139	.048	.194	.734	.877	.000
Melicope_Jonesii	Correlation Coefficient	.037	-.014	-.005	.055	-.119	-.108	-.125	-.043	-.023	-.126	-.032	-.056	.123	-.095	.196	-.030	.101	.002	-.150	-.055	-.150	1.000	-.052	.193	.132	.156	-.008
	Sig. (2-tailed)	.718	.891	.962	.589	.245	.289	.222	.674	.819	.216	.752	.584	.228	.354	.053	.766	.321	.986	.141	.589	.139	.	.609	.057	.195	.126	.940
Neolitsea_Dealbata	Correlation Coefficient	-.023	.145	.170	.007	-.217*	-.016	-.066	.141	.153	.004	-.113	-.107	-.121	.159	.091	-.233*	.034	.337**	.049	.275**	.201*	-.052	1.000	-.156	-.140	-.050	.285**
	Sig. (2-tailed)	.825	.155	.095	.946	.032	.874	.516	.167	.132	.968	.270	.296	.233	.118	.371	.021	.739	.001	.634	.006	.048	.609	.	.125	.168	.625	.004
Pinus_Caribaea	Correlation Coefficient	-.001	-.051	-.049	.194	-.164	-.095	-.170	-.038	-.111	-.111	-.111	-.243*	-.164	-.158	.066	-.220*	-.029	-.126	-.114	-.145	-.132	.193	-.156	1.000	.036	.098	-.175
	Sig. (2-tailed)	.993	.621	.632	.056	.107	.352	.094	.712	.277	.277	.277	.016	.107	.121	.516	.029	.781	.217	.262	.155	.194	.057	.125	.	.722	.339	.084
Psidium_cattleianum	Correlation Coefficient	.052	-.084	-.030	.385**	-.247*	.187	-.199*	-.057	-.168	.020	-.167	-.315**	-.191	-.238*	.024	-.333**	.136	.324**	.195	-.064	.035	.132	-.140	.036	1.000	.295**	.343**
	Sig. (2-tailed)	.612	.412	.767	.000	.014	.065	.049	.576	.099	.847	.099	.002	.060	.018	.814	.001	.181	.001	.054	.534	.734	.195	.168	.722	.	.003	.001
Rhodamnia_sessiliflora	Correlation Coefficient	-.043	-.009	-.001	.097	-.186	-.108	-.194	-.043	-.126	-.126	-.126	-.232*	-.186	-.179	.155	-.250*	.153	.245*	-.075	-.030	.016	.156	-.050	.098	.295**	1.000	.168
	Sig. (2-tailed)	.676	.929	.995	.340	.066	.290	.056	.674	.216	.216	.216	.022	.066	.077	.127	.013	.134	.015	.464	.766	.877	.126	.625	.339	.003	.	.099
Rhodomyrtus_Pervagata	Correlation Coefficient	.024	.151	-.135	.532**	-.311**	.190	-.066	.163	-.114	.039	-.211*	-.393**	-.134	-.067	.046	-.419**	.261**	.516**	.161	-.068	.388**	-.008	.285**	-.175	.343**	.168	1.000
	Sig. (2-tailed)	.816	.137	.184	.000	.002	.061	.517	.109	.262	.700	.037	.000	.188	.515	.653	.000	.009	.000	.113	.508	.000	.940	.004	.084	.001	.099	.

** Correlation is significant at the 0.01 level (2-tailed). * Correlation is significant at the 0.05 level (2-tailed).

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11.3 APPENDIX 4: CLUSTER DENDROGRAM
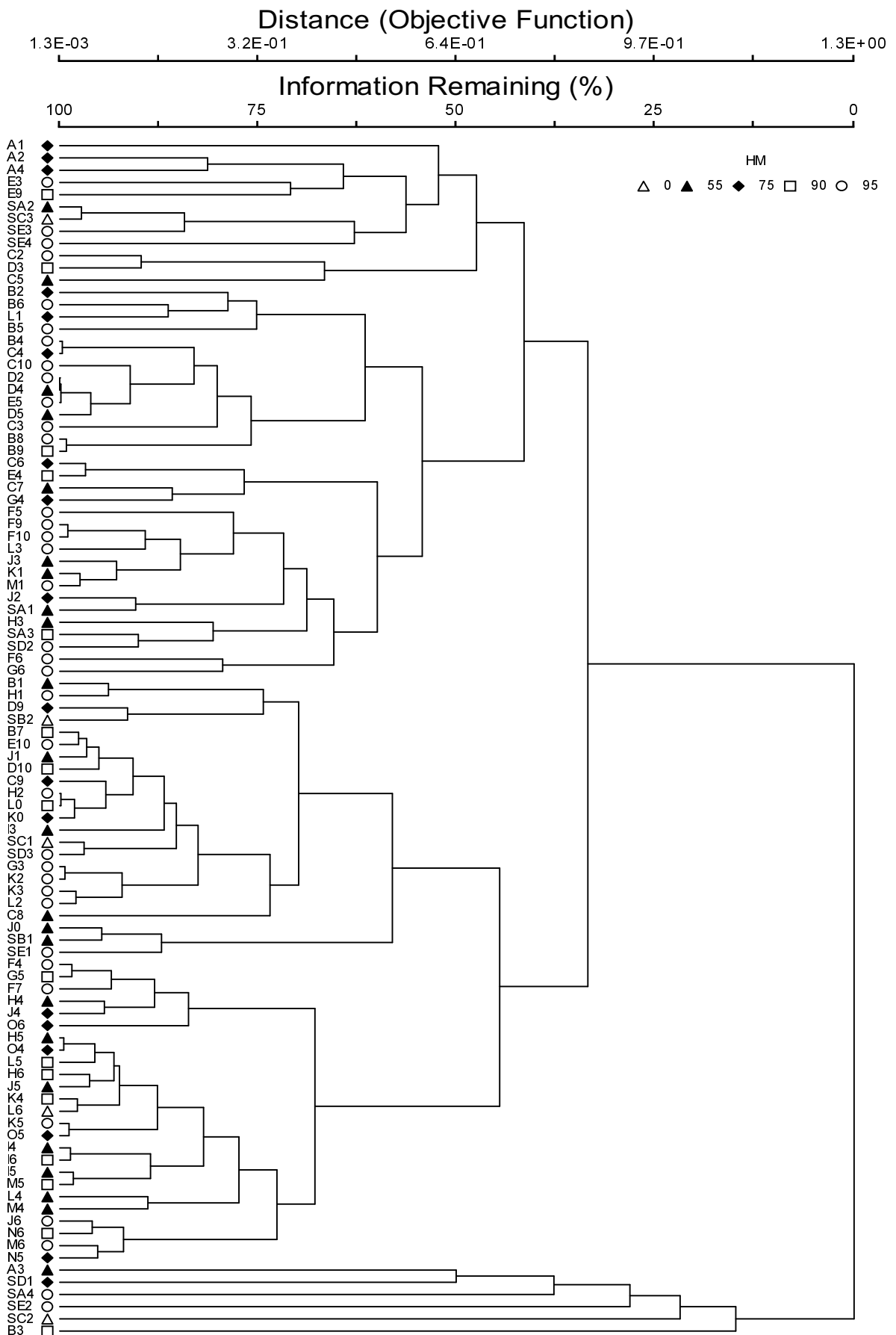
11.4 APPENDIX 5: GASTROINTESTINAL MORPHOLOGICAL MEASUREMENTS

Table 11.7: Measurements of body lengths and gastrointestinal lengths.

Date	Body weight (kg)	sex	Body length (mm) along back	tail length (mm)	head length (mm)	hind foot length (mm)	Stomach length (cm) full inside	Stomach length (cm) full outside	Small intestine (cm) full	Colon (cm) full	Caecum (cm) full	Total LI + caecum (cm) full	oesophagus length (cm)
12 Sep 2002	5.30	female	470	610	109	118	30	77	223	77	7	84.0	
11 Oct 2002	6.90	female	460	740	125	128							
03 Feb 2003	5.10	female	420	650	110	121							
12 Feb 2003	2.03	female	310	465	98.5	93.5							
08 Mar 2003	6.60	female	460	660	118	124							
29 Mar 2003	7.60	female	470	690	120	122							
29 Mar 2003	2.94	female	350	540	99	111							
10 Jul 2003	6.00	female	480	725	116	126	47.5	81	228	125	9	134.0	
14 Aug 2003	5.75	female	480	720	118	126	49	84	215	112	10	122.0	
05 Sep 1997	6.05	male	490	710	113	131	38	61	230	112	9	121.0	
26 Mar 1998	7.20	male	480	665	123	125	47	77	241	148	11.5	159.5	
05 Jul 2002	6.45	male	450	660	115	121	48	84	232	94	12	106.0	8.5
19 Sep 2002	7.35	male	520	710	115	139							
19 Sep 2002	6.90	male	470	765	122	136	39.5	72	254	111	10	121.0	6.5
31 Oct 2002	7.20	male	470	650	114	119							
20 Nov 2002	6.50	male	470	695	125	121							
04 Dec 2002	9.15	male	510	760	134	136	49.5	97	252	117	13	130.0	5.7
26 Jul 2003	6.75	male	520	720	112	124	60	101	340	151	10.5	161.5	
03 Sep 2003	3.25	male	365	500	95	100	38	71	246	82	7.5	89.5	7
05 Sep 2003	6.70	male	510	670	119	126	49	83	262	118	10	128.0	7.5
25 Sep 2003	4.75	male	430	660	110	118	38	71	225	89	10	99.0	8
mean	6.0	21	456.4	665.0	114.8	122.2	44.5	79.9	245.7	111.3	10.0	121.3	7.2
SE	0.4		12.0	17.3	2.05	2.4	2.3	3.2	9.5	6.8	0.5	7.0	0.4
N	21	21	21	21	21	21	12	12	12	12	12	12	6

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Table 11.8: Gastrointestinal weights and capacities.

Date	Body weight (kgs)	sex	Stomach Weight (gms) full	Stomach Weight (gms) empty	Stomach contents	Stomach cont % BW	large intestine (g) full	large intestine (g) empty	LI contents	small intestine (g) full	small intestine (g) empty	SI contents	caecum (g) full	caecum (g) empty	caecum contents	Total contents	contents % BW	Total wet tissue (g)	Total gut full (g)	Total full % BW	stom cont % total gut cont	SI cont % total gut cont	LI + Caec cont % total gut contents
12 Sep 2002	5.30	female	669	194	475	9.0	66	44	22	102	67	35	20	2	18	550	10.4	307.0	857.0	16.2	86.4	6.4	7.3
11 Oct 2002	6.90	female	1718	205	1513	21.9	261	50	211	153	92	61	38	3	35	1820	26.4	350.0	2170.0	31.5	83.1	3.4	13.5
03 Feb 2003	5.10	female	1021	193	828	16.2	152	41	111	112	67	45	41	4	37	1021	20.0	305.0	1326.0	26.0	81.1	4.4	14.5
12 Feb 2003	2.03	female	466	85	381	18.8	83	25	58	74	55	19	17	2	15	473	23.4	167.0	640.0	31.6	80.6	4.0	15.4
08 Mar 2003	6.60	female	1034	220	814	12.3	202	83	119	207	128	79	24	3	21	1033	15.7	434.0	1467.0	22.2	78.8	7.7	13.6
29 Mar 2003	7.60	female	2022	299	1723	22.7	208	69	139	254	129	125	54	8	46	2033	26.8	505.0	2538.0	33.4	84.8	6.2	9.1
29 Mar 2003	2.94	female	601	123	478	16.3	60	24	36	104	51	53	13	2	11	578	19.7	200.0	778.0	26.5	82.7	9.2	8.1
10 Jul 2003	6.00	female	1533	261	1272	21.2	70	48	22	267	88	179	13	3	10	1483	24.7	400.0	1883.0	31.4	85.8	12.1	2.2
14 Aug 2003	5.75	female	830	175	655	11.4	164	57	107	99	68	31	9	3	6	799	13.9	303.0	1102.0	19.2	81.0	3.9	14.1
05 Sep 1997	6.05	male	650	160	490	8.1	142	60	82	77	65	12	27	2	25	609	10.1	287.0	896.0	14.8	80.5	2.0	17.6
26 Mar 1998	7.20	male	1274	178	1096	15.2	295	66	229	145	67	78	34	4	30	1433	19.9	315.0	1748.0	24.3	76.5	5.4	18.1
05 Jul 2002	6.45	male	1492	233	1259	19.5	225	54	171	161	84	77	34	3	31	1538	23.8	374.0	1912.0	29.6	81.9	5.0	13.1
19 Sep 2002	7.35	male	955	174	781	10.6	204	58	146	123	71	52	26	3	23	1002	13.6	306.0	1308.0	17.8	77.9	5.2	16.9
19 Sep 2002	6.90	male	770	215	555	8.0	162	52	110	132	79	53	22	1	21	739	10.7	347.0	1086.0	15.7	75.1	7.2	17.7
31 Oct 2002	7.20	male	966	230	736	10.2	225	58	167	143	74	69	36	4	32	1004	13.9	366.0	1370.0	19.0	73.3	6.9	19.8
20 Nov 2002	6.50	male	908	149	759	11.7	172	60	112	112	79	33	26	4	22	926	14.3	292.0	1218.0	18.7	82.0	3.6	14.5
04 Dec 2002	9.15	male	1379	192	1187	13.0	215	66	149	140	103	37	45	4	41	1414	15.5	365.0	1779.0	19.4	84.0	2.6	13.4
26 Jul 2003	6.75	male	1128	279	849	12.6	280	71	209	175	123	52	39	3	36	1146	17.0	476.0	1622.0	24.0	74.1	4.5	21.4
03 Sep 2003	3.25	male	727	86	641	19.7	96	23	73	90	48	42	15	1	14	770	23.7	158.0	928.0	28.6	83.3	5.5	11.3
05 Sep 2003	6.70	male	1268	241	1027	15.3	267	59	208	199	85	114	34	2	32	1381	20.6	387.0	1768.0	26.4	74.4	8.3	17.4
25 Sep 2003	4.75	male	784	182	602	12.7	100	46	54	93	68	25	26	3	23	704	14.8	299.0	1003.0	21.1	85.5	3.6	10.9
Mean	6.02	21	1056.9	194.0	862.9	14.6	173.8	53.1	120.7	141.1	80.5	60.5	28.2	3.1	25.2	1069.3	18.0	330.6	1399.9	23.7	80.6	5.7	13.8
SE	0.37		87.5	12.1	79.2	1.0	16.1	3.4	13.9	11.8	5.1	8.6	2.6	0.3	2.4	94.5	1.2	19.3	108.7	1.3	0.9	0.5	1.0
N	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21	21

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Table 11.9. Tooth wear classes, number of cementum annuli, body weight (kg), head and pes length (mm) for *D. lumholtzi.*

Tree Kangaroo	Sex	Body weight (kg)	Tooth wear class	No of incremental lines	Head length (mm)	Pes length (mm)
TK1	M	6.05	3	3	113.0	131.0
TK2	M	7.20	3	4	123.0	125.0
TK3	M	6.15	4	4	126.0	126.0
TK4	M	6.45	5	5	115.0	121.0
TK5	F	4.55	1	2	105.0	115.0
TK6	M	7.20	3	4	113.0	127.0
TK7	F	5.30	3	3	109.0	118.0
TK8	M	7.35	2	2	115.0	139.0
TK9	M	6.90	3	3	122.0	136.0
TK10	F	6.90	6	8	125.0	128.0
TK11	M	7.20	4	4	114.0	119.0
TK12	M	6.50	4	4	125.0	121.0
TK13	M	9.15	4	4	134.0	136.0
TK14	M	8.80	7	9	127.0	133.0
TK15	F	5.10	3	3	110.0	121.0
TK16	F	2.03	1	2	98.5	93.5
TK17	F	6.60	4	4	118.0	124.0
TK18	F	7.60	6	7	120.0	122.0
TK19	F	2.94	1	1	99.0	111.0
TK20	M	0.56	1	0	68.5	74.0
TK21	F	6.00	4	4	116.0	126.0
TK22	F	6.75	5	5	112.0	124.0
TK23	F	5.75	4	4	118.0	126.0
TK24	M	3.25	1	2	95.0	100.0
TK25	M	6.70	4	4	119.0	126.0
TK26	M	4.75	3	3	110.0	118.0
TK27	M	0.59	1	0	67.0	76.0
TK28	M	7.46	3	3	113.0	135.0
TK29	F	7.90	8	14	119.0	126.0
TK30	F	6.60	4	4	117.0	132.0
TK31	F	0.14	1	Na	50.3	42.0
TK32	M	8.75	7	10	123.5	131.0
TK33	M	5.00	3	3	114.0	128.0
TK43	M	7.55	4	4	122.0	130.0
TK48	M	8.85	6	7	118.0	135.0
TK64	F	5.40	8	17	119.0	130.0
TK65	M	6.85	3	3	120.0	136.0