Fruits of the Forest: Human stable isotope ecology and rainforest adaptations in Late Pleistocene and Holocene Sri Lanka

Volume 2: Catalogues A, B, and C

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Table C33. Results of ANOVA of linear model that treats $\delta^{18}O$ as a response variable and species, plant part, insolation, height and season as effects. 631

Table C34. Results of post-hoc Tukey pair-wise comparison for ANOVA of linear model that treats $\delta^{18}O$ as a response variable and species, plant part, insolation and season as effects. 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference. 632

Table C35. Results of ANOVA of linear model that treats $\delta^{15}N$ as a response variable and species, plant part, insolation, height, and season (as well as interaction effects between these categories) as effects. 637

Table C36. Results of ANOVA of linear model that treats $\delta^{15}N$ as a response variable and includes only the effects found to be significant in Catalogue Table C35 as effects. 637

Table C37. Results of ANOVA of linear model that treats $\delta^{15}N$ as a response variable and species and plant part as effects. 638

Table C38. Results of post-hoc Tukey pair-wise comparison for ANOVA of linear model that treats $\delta^{15}N$ as a response variable and species as an effect. 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference. 639

Table C39. Results of ANOVA for $\delta^{13}C$ by modelled monkey diets (for *Trachypithecus vetulus*, *Semnopithecus priam thersites*, and *Macaca sinica*) for the dry season when species and plant parts of importance '1' are included (see Catalogue Table A8). 643

Table C40. Results of ANOVA for $\delta^{18}O$ by modelled monkey diets (for *Trachypithecus vetulus*, *Semnopithecus priam thersites*, and *Macaca sinica*) for the dry season when species and plant parts of importance '1' are included (see Catalogue Table A8). 643

Table C41. Results of ANOVA for $\delta^{13}C$ by modelled monkey diets (for *Trachypithecus vetulus*, *Semnopithecus priam thersites*, and *Macaca sinica*) for the wet season when species and plant parts of importance '1' are included (see Catalogue Table A9). 643

Table C42. Results of ANOVA for $\delta^{18}O$ by modelled monkey diets (for *Trachypithecus vetulus*, *Semnopithecus priam thersites*, and *Macaca sinica*) for the wet season when species and plant parts of importance '1' are included (see Catalogue Table A9). 643

Table C43. Results of ANOVA for $\delta^{13}C$ by modelled monkey diets (for *Trachypithecus vetulus*, *Semnopithecus priam thersites*, and *Macaca sinica*) for the dry season when species and plant parts of importance '1' and '2' are included (see Catalogue Table A8). 644

Table C44. Results of ANOVA for $\delta^{18}O$ by modelled monkey diets (for *Trachypithecus vetulus*, *Semnopithecus priam thersites*, and *Macaca sinica*) for the dry season when species and plant parts of importance '1' and '2' are included (see Catalogue Table A8). 644

Table C45. Results of ANOVA for $\delta^{13}C$ by modelled monkey diets (for *Trachypithecus vetulus*, *Semnopithecus priam thersites*, and *Macaca sinica*) for the wet season when species and plant parts of importance '1' and '2' are included (see Catalogue Table A9). 644

Table C46. Results of ANOVA for $\delta^{18}O$ by modelled monkey diets (for *Trachypithecus vetulus*, *Semnopithecus priam thersites*, and *Macaca sinica*) for the

wet season when species and plant parts of importance ‘1’ and ‘2’ are included (see Catalogue Table A9). 644

Table C47. $\delta^{13}C$ and $\delta^{18}O$ from modern monkey and cervid samples from the Polonnaruwa Reserve collected by Wolfgang Dittus during the 1980s. 645

Catalogue A – Figures and tables associated with "Chapter 5: Sites, samples, and methods"

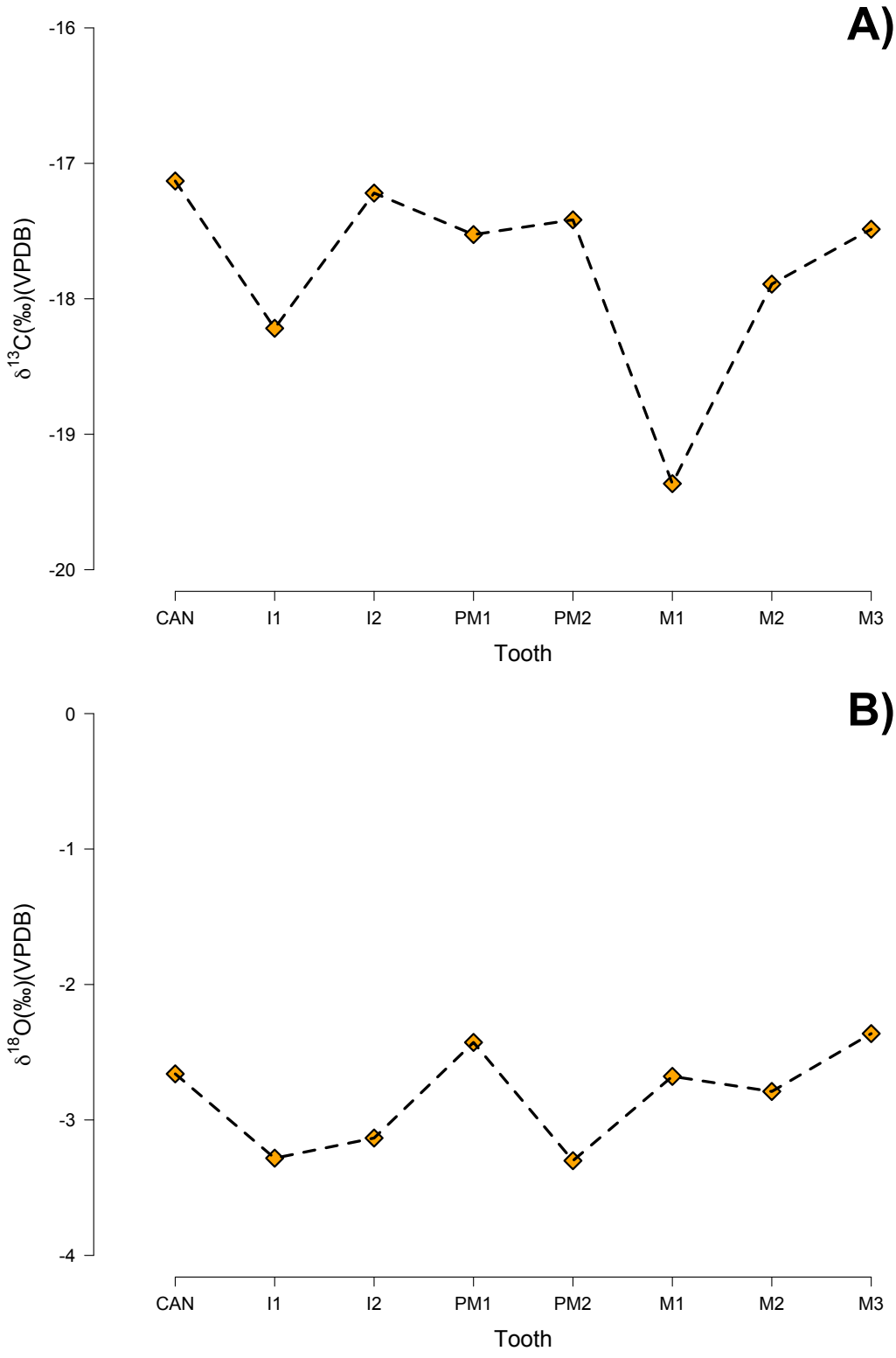

Figure A1. $\delta^{13}C$ and $\delta^{18}O$ plotted by tooth for modern Macaca sinica sample MAC1 (see Catalogue Table A5).

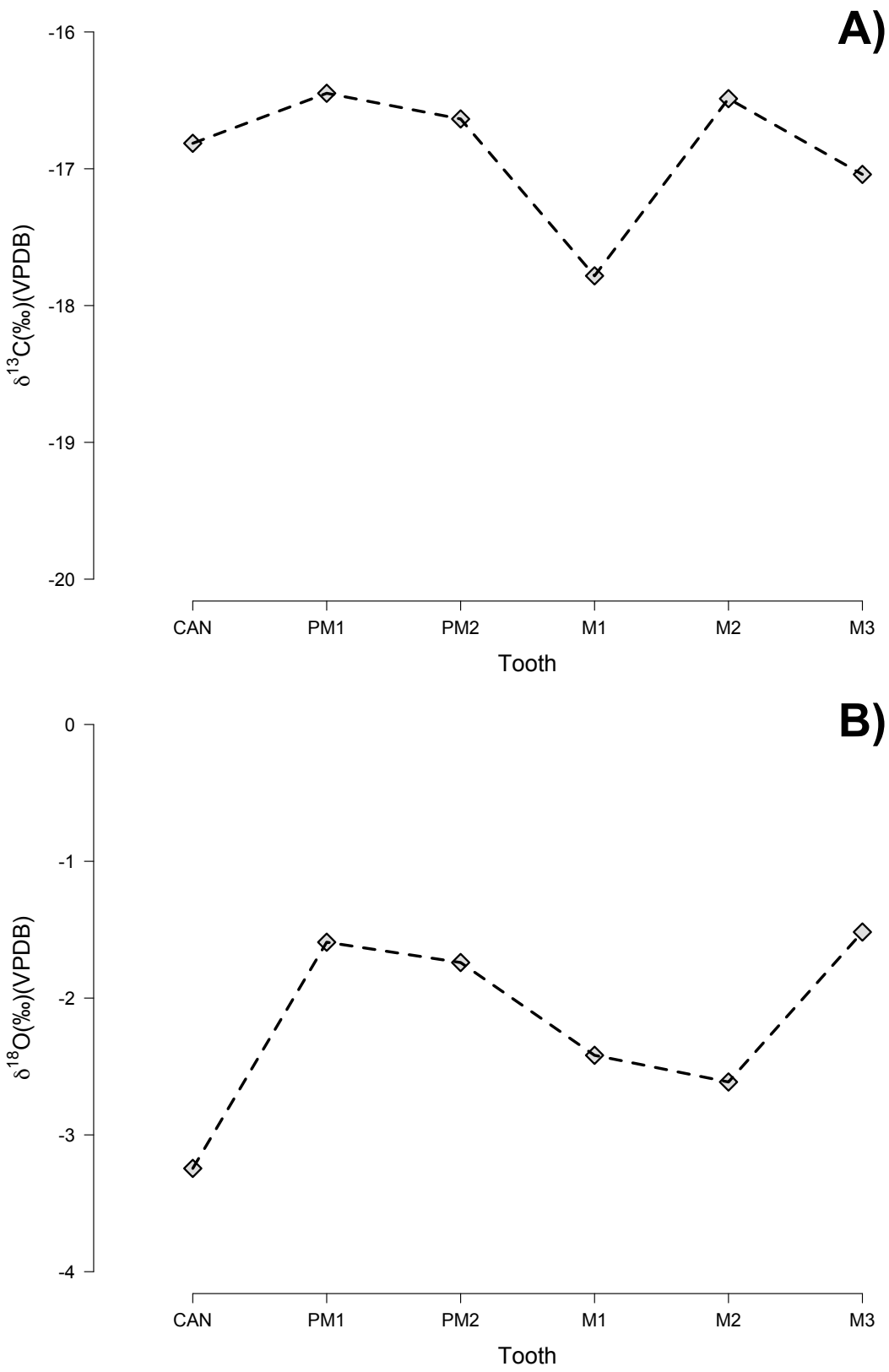

Figure A2. $\delta^{13}C$ and $\delta^{18}O$ plotted by tooth for modern Semnopithecus priam thersites sample SEM1 (see Catalogue Table A5).

Table A1. Full list of faunal specimens sampled in this study from the Terminal Pleistocene and Holocene layers of Fa Hien-lena, Balangoda Kuragala, and Bellan-bandi Palassa, and the Late Pleistocene layers of Batadomba-lena (denotes teeth subjected to intra-tooth sampling).*

Site	**Sample number**	**Layer**	**Species**	**Common name**	**Tooth**
Fa Hien-lena	FH 55	134	*Semnopithecus priam thersites*	Grey langur	Lower first premolar
Fa Hien-lena	FH 63	136	*Macaca sinica*	Toque macaque	Lower third molar (right)
Fa Hien-lena	FH 76	136	*Macaca sinica*	Toque macaque	Upper incisor (right)
Fa Hien-lena	FH 43	136	*Macaca sinica*	Toque macaque	Upper second molar (right)
Fa Hien-lena	FH 16	136	*Tragulus meminna*	Mouse deer	Upper premolar
Fa Hien-lena	FH 27	136	*Paradoxurus* sp.	Jungle cat	Upper second incisor (right)
Fa Hien-lena	FH 29	136	*Ratufa macroura*	Giant squirrel	Upper second premolar
Fa Hien-lena	FH 5	136	*Semnopithecus priam thersites*	Grey langur	Upper third molar (right)
Fa Hien-lena	FH 42	136	*Semnopithecus priam thersites*	Grey langur	Upper third molar (left)
Fa Hien-lena	FH 70	136	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper third molar
Fa Hien-lena	FH 85	136	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper second incisor (right)
Fa Hien-lena	FH 81	136	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper first incisor (right)
Fa Hien-lena	FH 61	139	*Macaca sinica*	Toque macaque	Upper third molar (left)
Fa Hien-lena	FH 4	139	*Macaca sinica*	Toque macaque	Upper third molar (left)
Fa Hien-lena	FH 41	139	*Macaca sinica*	Toque macaque	Upper third molar (left)
Fa Hien-lena	FH 23	139	*Paradoxurus* sp.	Jungle cat	Upper second molar (left)
Fa Hien-lena	FH 19	139	*Petaurista philippensis*	Indian giant flying squirrel	Lower first premolar
Fa Hien-lena	FH 15	139	*Petinomys fuscocapillus*	Travancore flying squirrel	Upper first premolar

Fa Hien-lena	FH 37	139	*Ratufa macroura*	Giant squirrel	Lower incisor (right)
Fa Hien-lena	FH 60	139	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper second molar (left)
Fa Hien-lena	FH 30	139	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper second premolar (left)
Fa Hien-lena	FH 65	139	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower first molar (left)
Fa Hien-lena	FH 68	141	*Macaca sinica*	Toque macaque	Upper third molar (left)
Fa Hien-lena	FH 33	141	*Macaca sinica*	Toque macaque	Upper second premolar (right)
Fa Hien-lena	FH 86	141	*Macaca sinica*	Toque macaque	Upper second incisor (left)
Fa Hien-lena	FH 59	141	*Ratufa macroura*	Giant squirrel	Upper molar
Fa Hien-lena	FH 7	141	*Ratufa macroura*	Giant squirrel	Upper premolar
Fa Hien-lena	FH 36	141	*Trachypithecus vetulus*	Purple-faced leaf monkey	Fragment of lower first premolar (right)
Fa Hien-lena	FH 26	141	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper second molar (left)
Fa Hien-lena	FH 11	141	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower third molar (right)
Fa Hien-lena	FH 12	141	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper first molar (left)
Fa Hien-lena	FH 77	169	*Macaca sinica*	Toque macaque	Upper canine (left)
Fa Hien-lena	FH 2	169	*Macaca sinica*	Toque macaque	Upper first molar (right)
Fa Hien-lena	FH 64	169	*Macaca sinica*	Toque macaque	Lower second molar (right)
Fa Hien-lena	FH 75	169	*Macaca sinica*	Toque macaque	Lower canine (right)
Fa Hien-lena	FH 51	169	*Macaca sinica*	Toque macaque	Lower third molar (left)
Fa Hien-lena	FH 57	169	*Semnopithecus priam thersites*	Grey langur	Lower third molar (right)
Fa Hien-lena	FH 8	169	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower second molar (left)
Fa Hien-lena	FH 31	174	*Hystrix indica*	Indian	Upper first

				porcupine	premolar (right)
Fa Hien-lena	FH 32	174	*Macaca sinica*	Toque macaque	Upper third molar (right)
Fa Hien-lena	FH 18	174	*Macaca sinica*	Toque macaque	Lower third molar (left)
Fa Hien-lena	FH 50	174	*Macaca sinica*	Toque macaque	Lower third molar (right)
Fa Hien-lena	FH 45	174	*Ratufa macroura*	Giant squirrel	Fragment of upper incisor (left)
Fa Hien-lena	FH 22	174	*Ratufa macroura*	Giant squirrel	Upper molar
Fa Hien-lena	FH 35	174	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper third molar (right)
Fa Hien-lena	FH 3	174	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower third molar (left)
Fa Hien-lena	FH 1	174	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower second molar (left)
Fa Hien-lena	FH 39	214	*Hystrix indica*	Indian porcupine	Lower premolar/molar
Fa Hien-lena	FH 48	214	*Macaca sinica*	Toque macaque	Upper third molar (right)
Fa Hien-lena	FH 74	214	*Macaca sinica*	Toque macaque	Fragment of upper canine (right)
Fa Hien-lena	FH 78	214	*Macaca sinica*	Toque macaque	Upper canine (left)
Fa Hien-lena	FH 6	214	*Macaca sinica*	Toque macaque	Upper second molar (right)
Fa Hien-lena	FH 79	214	*Macaca sinica*	Toque macaque	Fragment of upper canine (right)
Fa Hien-lena	FH 58	214	*Paradoxurus* sp.	Jungle cat	Lower second molar (left)
Fa Hien-lena	FH 62	214	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower first premolar (right)
Fa Hien-lena	FH 17	214	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower first premolar (right)
Fa Hien-lena	FH 82	217	*Macaca sinica*	Toque macaque	Fragment of upper canine (right)
Fa Hien-lena	FH 13	217	*Macaca sinica*	Toque macaque	Upper third molar (left)
Fa Hien-lena	FH 14	217	*Macaca sinica*	Toque	Upper second

				macaque	molar (right)
Fa Hien-lena	FH 83	217	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper canine (left)
Fa Hien-lena	FH 34	247	*Herpestes* sp.	Mongoose	Lower second premolar
Fa Hien-lena	FH 54	247	*Hystrix indica*	Indian porcupine	Lower second premolar
Fa Hien-lena	FH 24	247	*Hystrix indica*	Indian porcupine	Upper first premolar (right)
Fa Hien-lena	FH 21	247	*Macaca sinica*	Toque macaque	Upper third molar (right)
Fa Hien-lena	FH 49	247	*Macaca sinica*	Toque macaque	Upper third molar (left)
Fa Hien-lena	FH 9	247	*Macaca sinica*	Toque macaque	Upper second molar (right)
Fa Hien-lena	FH 52	247	*Macaca sinica*	Toque macaque	Upper second molar (right)
Fa Hien-lena	FH 53	247	*Macaca sinica*	Toque macaque	Upper third molar (right)
Fa Hien-lena	FH 10	247	*Macaca sinica*	Toque macaque	Lower second molar (left)
Fa Hien-lena	FH 90	247	*Macaca sinica*	Toque macaque	Upper third molar (right)
Fa Hien-lena	FH 89	247	*Macaca sinica*	Toque macaque	Lower canine (right)
Fa Hien-lena	FH 44	247	*Paradoxurus* sp.	Jungle cat	Lower second premolar (left)
Fa Hien-lena	FH 56	247	*Paradoxurus* sp.	Jungle cat	Lower second molar (left)
Fa Hien-lena	FH 66	247	*Ratufa macroura*	Giant squirrel	Upper molar
Fa Hien-lena	FH 25	247	*Ratufa macroura*	Giant squirrel	Fragment of lower incisor (right)
Fa Hien-lena	FH 20	247	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower second molar (left)
Fa Hien-lena	FH 84	247	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower canine (right)
Fa Hien-lena	FH 69	247	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper second molar (right)
Fa Hien-lena	FH 47	247	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower third molar (left)
Fa Hien-lena	FH 80	247	*Trachypithecus vetulus*	Purple-faced leaf	Upper first incisor (right)

				monkey	
Fa Hien-lena	FH 40	247	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower third molar (right)
Fa Hien-lena	FH 88	248	*Macaca sinica*	Toque macaque	Upper first incisor (left)
Fa Hien-lena	FH 28	248	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper first molar (left)
Fa Hien-lena	FH 87	248	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper first incisor (right)
Fa Hien-lena	FH 46	248	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower second molar (left)
Balangoda Kuragala	BK 1	4	*Axis axis*	Indian spotted deer	Second premolar (left)
Balangoda Kuragala	BK 70	4	*Hystrix indica*	Indian porcupine	Lower third molar (left)
Balangoda Kuragala	BK 5	4	*Hystrix indica*	Indian porcupine	Lower molar (left)
Balangoda Kuragala	BK 43	4	*Macaca sinica*	Toque macaque	Lower third molar (right)
Balangoda Kuragala	BK 119	4	*Macaca sinica*	Toque macaque	Upper second molar (left)
Balangoda Kuragala	BK 45	4	*Macaca sinica*	Toque macaque	Lower third molar (right)
Balangoda Kuragala	BK 48	4	*Tragulus meminna*	Mouse deer	Lower first molar (right)
Balangoda Kuragala	BK 78	4	*Muntiacus muntjak*	Indian muntjac	Second molar (left)
Balangoda Kuragala	BK 10	4	*Paradoxurus* sp.	Jungle cat	Lower molar (left)
Balangoda Kuragala	BK 49	4	*Ratufa macroura*	Giant squirrel	Lower third molar (right)
Balangoda Kuragala	BK 47	4	*Semnopithecus priam thersites*	Grey langur	Upper third molar (left)
Balangoda Kuragala	BK 120	4	*Semnopithecus priam thersites*	Grey langur	Lower second premolar (right)
Balangoda Kuragala	BK 42	4	*Semnopithecus priam thersites*	Grey langur	Lower third molar (right)
Balangoda Kuragala	BK 68	6	*Macaca sinica*	Toque macaque	Lower third molar (right)
Balangoda Kuragala	BK 80	6	*Macaca sinica*	Toque macaque	Lower second molar (right)
Balangoda Kuragala	BK 115	6	*Macaca sinica*	Toque macaque	Upper third molar (right)
Balangoda	BK 44	6	*Macaca sinica*	Toque	Lower third

Kuragala				macaque	molar (left)
Balangoda Kuragala	BK 36	6	*Tragulus meminna*	Mouse deer	Lower third molar (right)
Balangoda Kuragala	BK 56	6	*Paradoxurus* sp.	Jungle cat	Premolar (right)
Balangoda Kuragala	BK 124	6	*Paradoxurus* sp.	Jungle cat	Upper molar (right)
Balangoda Kuragala	BK 15	6	*Petaurista philippensis*	Indian giant flying squirrel	Upper third molar (right)
Balangoda Kuragala	BK 58	6	*Pteropus giganteus*	Indian flying fox	Fragment of molar
Balangoda Kuragala	BK 88	6	*Ratufa macroura*	Giant squirrel	Lower third molar (right)
Balangoda Kuragala	BK 123	6	*Ratufa macroura*	Giant squirrel	Lower third molar (left)
Balangoda Kuragala	BK 92	6	*Semnopithecus priam thersites*	Grey langur	Lower third molar (left)
Balangoda Kuragala	BK 19	6	*Semnopithecus priam thersites*	Grey langur	Lower third molar (left)
Balangoda Kuragala	BK 52	6	*Semnopithecus priam thersites*	Grey langur	Lower third molar (left)
Balangoda Kuragala	BK 100	6	*Sus scrofa*	Wild boar	Fragment of molar/premolar
Balangoda Kuragala	BK 77	7	*Axis axis*	Indian spotted deer	Lower premolar (left)
Balangoda Kuragala	BK 118	7	*Hystrix indica*	Indian porcupine	Fragment of molar/premolar
Balangoda Kuragala	BK 38	7	*Macaca sinica*	Toque macaque	Lower third molar (left)
Balangoda Kuragala	BK 107	7	*Macaca sinica*	Toque macaque	Lower second molar (left)
Balangoda Kuragala	BK 63	7	*Macaca sinica*	Toque macaque	Lower second molar (left)
Balangoda Kuragala	BK 12	7	*Paradoxurus* sp.	Jungle cat	Upper second molar (right)
Balangoda Kuragala	BK 28	7	*Petaurista philippensis*	Indian giant flying squirrel	Upper third molar
Balangoda Kuragala	BK 76	7	*Petaurista philippensis*	Indian giant flying squirrel	Lower third molar (left)
Balangoda Kuragala	BK 86	7	*Pteropus giganteus*	Indian flying fox	Lower molar
Balangoda	BK 127	7	*Rattus sp.*	Rat	Lower third

Kuragala					molar (right)
Balangoda Kuragala	BK 55	7	*Ratufa macroura*	Giant squirrel	Upper molar
Balangoda Kuragala	BK 111	7	*Semnopithecus priam thersites*	Grey langur	Lower first molar (left)
Balangoda Kuragala	BK 18	7	*Semnopithecus priam thersites*	Grey langur	Upper second molar (left)
Balangoda Kuragala	BK 3	7	*Semnopithecus priam thersites*	Grey langur	Lower third molar (right)
Balangoda Kuragala	BK 129	7	*Sus scrofa*	Wild boar	Lower canine (right)
Balangoda Kuragala	BK 121	7	*Sus scrofa*	Wild boar	Upper canine (right)
Balangoda Kuragala	BK 90	7	*Tragulus meminna*	Indian spotted chevrotain	Lower molar (right)
Balangoda Kuragala	BK 128	8	*Herpestes* sp.	Mongoose	Premolar (left)
Balangoda Kuragala	BK 11	8	*Macaca sinica*	Toque macaque	Upper second molar (right)
Balangoda Kuragala	BK 24	8	*Macaca sinica*	Toque macaque	Lower third molar (left)
Balangoda Kuragala	BK 32	8	*Macaca sinica*	Toque macaque	Upper second molar (right)
Balangoda Kuragala	BK 73	8	*Paradoxurus* sp.	Jungle cat	Upper third molar (left)
Balangoda Kuragala	BK 65	8	*Petaurista philippensis*	Indian giant flying squirrel	Lower third molar (right)
Balangoda Kuragala	BK 125	8	*Petaurista philippensis*	Indian giant flying squirrel	Upper molar
Balangoda Kuragala	BK 106	8	*Ratufa macroura*	Giant squirrel	Fragment of upper incisor
Balangoda Kuragala	BK 72	8	*Semnopithecus priam thersites*	Grey langur	Lower third molar (right)
Balangoda Kuragala	BK 27	8	*Semnopithecus priam thersites*	Grey langur	Lower third molar (left)
Balangoda Kuragala	BK 67	8	*Semnopithecus priam thersites*	Grey langur	Lower third molar (right)
Balangoda Kuragala	BK 25	8	*Semnopithecus priam thersites*	Grey langur	Lower second molar (left)
Balangoda Kuragala	BK 97	8	*Sus scrofa*	Wild boar	Lower first incisor (right)
Balangoda Kuragala	BK 35	14	*Cervus unicolor*	Sambar deer	Lower second premolar (right)
Balangoda	BK 8	14	*Hystrix indica*	Indian	Upper molar

Kuragala				porcupine	
Balangoda Kuragala	BK 104	14	*Macaca sinica*	Toque macaque	Upper third molar (left)
Balangoda Kuragala	BK 4	14	*Macaca sinica*	Toque macaque	Upper third molar (left)
Balangoda Kuragala	BK 40	14	*Macaca sinica*	Toque macaque	Third molar (left)
Balangoda Kuragala	BK 126	14	*Paradoxurus* sp.	Jungle cat	Lower second molar (left)
Balangoda Kuragala	BK 82	14	*Rattus* sp.	Rat	Fragment of lower incisor
Balangoda Kuragala	BK 7	14	*Semnopithecus priam thersites*	Grey langur	Lower second molar (right)
Balangoda Kuragala	BK 96	14	*Semnopithecus priam thersites*	Grey langur	Lower third molar (left)
Balangoda Kuragala	BK 41	14	*Semnopithecus priam thersites*	Grey langur	Upper third molar (left)
Balangoda Kuragala	BK 83	14	*Viverricula indica*	Small Indian civet	Lower canine (left)
Balangoda Kuragala	BK 29	15	*Axis axis*	Indian spotted deer	Upper molar (right)
Balangoda Kuragala	BK 37	15	*Cervus unicolor*	Sambar deer	First premolar (left)
Balangoda Kuragala	BK 94	15	*Cervus unicolor*	Sambar deer	Fragment of molar
Balangoda Kuragala	BK 16	15	*Macaca sinica*	Toque macaque	Lower third molar (right)
Balangoda Kuragala	BK 31	15	*Macaca sinica*	Toque macaque	Lower third molar (right)
Balangoda Kuragala	BK 20	15	*Macaca sinica*	Toque macaque	Lower third molar (right)
Balangoda Kuragala	BK 75	15	*Tragulus meminna*	Mouse deer	Lower third molar (right)
Balangoda Kuragala	BK 30	15	*Paradoxurus* sp.	Jungle cat	Lower second molar
Balangoda Kuragala	BK 81	15	*Paradoxurus* sp.	Jungle cat	Lower second molar (right)
Balangoda Kuragala	BK 50	15	*Petaurista philippensis*	Indian giant flying squirrel	Upper molar (left)
Balangoda Kuragala	BK 85	15	*Rattus* sp.	Rat	Lower third molar (right)
Balangoda Kuragala	BK 116	15	*Ratufa macroura*	Giant squirrel	Fragment of upper incisor
Balangoda Kuragala	BK 101	15	*Semnopithecus priam thersites*	Grey langur	First molar (right)

Balangoda Kuragala	BK 13	15	*Semnopithecus priam thersites*	Grey langur	Upper first molar (right)
Balangoda Kuragala	BK 6	15	*Semnopithecus priam thersites*	Grey langur	Lower third molar (right)
Balangoda Kuragala	BK 2	15	*Sus scrofa*	Wild boar	Upper first incisor (left)
Balangoda Kuragala	BK 84	16	*Cervus unicolor*	Sambar deer	Upper second molar (right)
Balangoda Kuragala	BK 144*	16	*Elephas* sp.	Elephant	Molar
Balangoda Kuragala	BK 69	16	*Hystrix indica*	Indian porcupine	First premolar (right)
Balangoda Kuragala	BK 17	16	*Lepus nigricollis*	Indian hare	Fragment of molar/premolar
Balangoda Kuragala	BK 113	16	*Macaca sinica*	Toque macaque	Upper first premolar (right)
Balangoda Kuragala	BK 9	16	*Macaca sinica*	Toque macaque	Upper second molar (left)
Balangoda Kuragala	BK 23	16	*Macaca sinica*	Toque macaque	Lower third molar (right)
Balangoda Kuragala	BK 110	16	*Paradoxurus* sp.	Jungle cat	Lower third molar (right)
Balangoda Kuragala	BK 54	16	*Ratufa macroura*	Giant squirrel	Upper second molar (right)
Balangoda Kuragala	BK 22	16	*Semnopithecus priam thersites*	Grey langur	Lower second molar (right)
Balangoda Kuragala	BK 112	16	*Semnopithecus priam thersites*	Grey langur	Upper third molar (left)
Balangoda Kuragala	BK 62	16	*Semnopithecus priam thersites*	Grey langur	Lower second molar (right)
Balangoda Kuragala	BK 102	32	*Cervus unicolor*	Sambar deer	Upper first premolar (right)
Balangoda Kuragala	BK 130*	32	*Elephas* sp.	Elephant	Molar
Balangoda Kuragala	BK 98	32	*Semnopithecus priam thersites*	Grey langur	Lower first premolar (right)
Balangoda Kuragala	BK 91	33F	*Hystrix indica*	Indian porcupine	Premolar (left)
Balangoda Kuragala	BK 109	33F	*Macaca sinica*	Toque macaque	Upper third molar (left)
Balangoda Kuragala	BK 60	33F	*Macaca sinica*	Toque macaque	Lower third molar (left)
Balangoda Kuragala	BK 95	33F	*Macaca sinica*	Toque macaque	Lower third molar (left)
Balangoda Kuragala	BK 51	33F	*Macaca sinica*	Toque macaque	Upper incisor (left)
Balangoda Kuragala	BK 71	33F	*Tragulus meminna*	Mouse deer	Lower third molar
Balangoda	BK 34	33F	*Muntiacus*	Indian	Fragment of

Kuragala			*muntjak*	muntjac	upper molar
Balangoda Kuragala	BK 33	33F	*Paradoxurus* sp.	Jungle cat	Upper second premolar (left)
Balangoda Kuragala	BK 122	33F	*Pteropus giganteus*	Indian flying fox	Molar
Balangoda Kuragala	BK 74	33F	*Ratufa macroura*	Giant squirrel	Fragment of incisor
Balangoda Kuragala	BK 64	33F	*Semnopithecus priam thersites*	Grey langur	Lower first incisor (left)
Balangoda Kuragala	BK 57	33F	*Semnopithecus priam thersites*	Grey langur	Lower second molar (right)
Balangoda Kuragala	BK 59	33F	*Semnopithecus priam thersites*	Grey langur	Lower first premolar (left)
Balangoda Kuragala	BK 117	33F	*Semnopithecus priam thersites*	Grey langur	Lower first incisor (right)
Balangoda Kuragala	BK 21	37	*Macaca sinica*	Toque macaque	Upper first molar (right)
Balangoda Kuragala	BK 61	37	*Macaca sinica*	Toque macaque	Upper third molar (left)
Balangoda Kuragala	BK 39	37	*Macaca sinica*	Toque macaque	Upper third molar (right)
Balangoda Kuragala	BK 14	37	*Paradoxurus* sp.	Jungle cat	Lower second molar (right)
Balangoda Kuragala	BK 87	37	*Pteropus giganteus*	Indian flying fox	Fragment of molar
Balangoda Kuragala	BK 66	37	*Ratufa macroura*	Giant squirrel	Lower third molar (right)
Bellan-bandi Palassa	BBP 1	10	*Hystrix indica*	Indian porcupine	Upper first molar (left)
Bellan-bandi Palassa	BBP 28	10	*Macaca sinica*	Toque macaque	Upper first incisor (left)
Bellan-bandi Palassa	BBP 22	10	*Macaca sinica*	Toque macaque	Upper first premolar (left)
Bellan-bandi Palassa	BBP 19	10	*Macaca sinica*	Toque macaque	Lower second molar (right)
Bellan-bandi Palassa	BBP 7	10	*Macaca sinica*	Toque macaque	Upper third molar (right)
Bellan-bandi Palassa	BBP 8	10	*Macaca sinica*	Toque macaque	Lower third molar (right)
Bellan-bandi Palassa	BBP 23	10	*Paradoxurus* sp.	Jungle cat	Lower second molar (left)
Bellan-bandi Palassa	BBP 14	10	*Petinomys fuscocapillus*	Travancore flying squirrel	Upper molar/premolar
Bellan-bandi Palassa	BBP 26	10	*Ratufa macroura*	Giant squirrel	Lower incisor (left)
Bellan-bandi Palassa	BBP 17	10	*Semnopithecus priam thersites*	Grey langur	Lower second premolar (left)
Bellan-bandi	BBP 11	10	*Semnopithecus*	Grey	Upper second

Palassa			*priam thersites*	langur	premolar (left)
Bellan-bandi Palassa	BBP 12	10	*Semnopithecus priam thersites*	Grey langur	Lower second premolar (right)
Bellan-bandi Palassa	BBP 24	10	*Semnopithecus priam thersites*	Grey langur	Second premolar (left)
Bellan-bandi Palassa	BBP 5	10	*Semnopithecus priam thersites*	Grey langur	Lower second molar (left)
Bellan-bandi Palassa	BBP 2	10	*Sus scrofa*	Wild boar	Upper incisor (left)
Bellan-bandi Palassa	BBP 18	10	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper first incisor (left)
Bellan-bandi Palassa	BBP 10	10	*Trachypithecus vetulus*	Purple-faced leaf monkey	Fragment of molar
Bellan-bandi Palassa	BBP 25	10	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower canine (right)
Bellan-bandi Palassa	BBP 21	10	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower first molar (right)
Bellan-bandi Palassa	BBP 6	10	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower first molar (left)
Bellan-bandi Palassa	BBP 13	10	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower third molar (left)
Bellan-bandi Palassa	BBP 20	10	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower canine (right)
Bellan-bandi Palassa	BBP 3	10	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper second premolar (right)
Bellan-bandi Palassa	BBP 16	10	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper second premolar (left)
Bellan-bandi Palassa	BBP 15	10	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower second molar (left)
Bellan-bandi Palassa	BBP 9	10	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower third molar (right)
Bellan-bandi Palassa	BBP 4	10	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower second molar (left)
Batadomba-lena	BDL 30	4	*Hystrix indica*	Indian porcupine	Upper second molar (right)
Batadomba-lena	BDL 1	4	*Macaca sinica*	Toque macaque	Upper third molar (right)

Batadomba-lena	BDL 2	4	*Macaca sinica*	Toque macaque	Upper canine
Batadomba-lena	BDL 3	4	*Macaca sinica*	Toque macaque	Fragment of upper canine
Batadomba-lena	BDL 4	4	*Macaca sinica*	Toque macaque	Lower canine
Batadomba-lena	BDL 5	4	*Macaca sinica*	Toque macaque	Fragment of lower canine
Batadomba-lena	BDL 6	4	*Macaca sinica*	Toque macaque	Third molar
Batadomba-lena	BDL 29	4	*Macaca sinica*	Toque macaque	Upper first molar (left)
Batadomba-lena	BDL 46	4	*Macaca sinica*	Toque macaque	Upper second molar (left)
Batadomba-lena	BDL 51	4	*Macaca sinica*	Toque macaque	Lower molar (left)
Batadomba-lena	BDL 57	4	*Macaca sinica*	Toque macaque	Lower second molar (left)
Batadomba-lena	BDL 58	4	*Macaca sinica*	Toque macaque	Upper second premolar (left)
Batadomba-lena	BDL 61	4	*Macaca sinica*	Toque macaque	Upper first molar
Batadomba-lena	BDL 63	4	*Macaca sinica*	Toque macaque	Upper second molar (left)
Batadomba-lena	BDL 65	4	*Macaca sinica*	Toque macaque	Lower second molar (right)
Batadomba-lena	BDL 9	4	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper third molar (left)
Batadomba-lena	BDL 37	4	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower third molar (left)
Batadomba-lena	BDL 38	4	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower canine (right)
Batadomba-lena	BDL 39	4	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower first molar (left)
Batadomba-lena	BDL 42	4	*Trachypithecus vetulus*	Purple-faced leaf monkey	Third molar (left)
Batadomba-lena	BDL 43	4	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower third molar (left)
Batadomba-lena	BDL 45	4	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower third molar (left)
Batadomba-lena	BDL 47	4	*Trachypithecus vetulus*	Purple-faced leaf	Lower third molar (left)

				monkey	
Batadomba-lena	BDL 54	4	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower third molar (left)
Batadomba-lena	BDL 56	4	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower second molar
Batadomba-lena	BDL 24	5	*Hystrix indica*	Indian porcupine	Upper second molar (left)
Batadomba-lena	BDL 12	5	*Macaca sinica*	Toque macaque	Upper second molar (left)
Batadomba-lena	BDL 25	5	*Macaca sinica*	Toque macaque	Upper second premolar (left)
Batadomba-lena	BDL 31	5	*Macaca sinica*	Toque macaque	Upper canine (left)
Batadomba-lena	BDL 35	5	*Macaca sinica*	Toque macaque	Lower third molar (right)
Batadomba-lena	BDL 48	5	*Macaca sinica*	Toque macaque	Second molar (right)
Batadomba-lena	BDL 50	5	*Macaca sinica*	Toque macaque	Third molar (left)
Batadomba-lena	BDL 64	5	*Macaca sinica*	Toque macaque	Upper second molar
Batadomba-lena	BDL 23	5	*Tragulus meminna*	Mouse deer	Lower third molar (left)
Batadomba-lena	BDL 28	5	*Muntiacus muntjak*	Indian muntjac	First premolar (left)
Batadomba-lena	BDL 21	5	*Paradoxurus* sp.	Jungle cat	Upper second molar (right)
Batadomba-lena	BDL 27	5	*Paradoxurus* sp.	Jungle cat	Lower second molar (left)
Batadomba-lena	BDL 14	5	*Ratufa macroura*	Giant squirrel	Upper third molar (right)
Batadomba-lena	BDL 44	5	*Ratufa macroura*	Giant squirrel	Lower third molar (left)
Batadomba-lena	BDL 15	5	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower first molar
Batadomba-lena	BDL 16	5	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper third molar (left)
Batadomba-lena	BDL 22	5	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper second molar (left)
Batadomba-lena	BDL 26	5	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower third molar (right)
Batadomba-lena	BDL 32	5	*Trachypithecus vetulus*	Purple-faced leaf	Lower third molar (left)

				monkey	
Batadomba-lena	BDL 36	5	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower second molar (left)
Batadomba-lena	BDL 40	5	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower third molar (left)
Batadomba-lena	BDL 41	5	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower third molar (left)
Batadomba-lena	BDL 49	5	*Trachypithecus vetulus*	Purple-faced leaf monkey	Third molar (left)
Batadomba-lena	BDL 52	5	*Trachypithecus vetulus*	Purple-faced leaf monkey	Third molar (left)
Batadomba-lena	BDL 60	5	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower third molar (left)
Batadomba-lena	BDL 17	6	*Hystrix indica*	Indian porcupine	Lower premolar
Batadomba-lena	BDL 8	6	*Macaca sinica*	Toque macaque	Upper canine (right)
Batadomba-lena	BDL 18	6	*Macaca sinica*	Toque macaque	Third molar (left)
Batadomba-lena	BDL1980 23	6	*Macaca sinica*	Toque macaque	Lower second molar (left)
Batadomba-lena	BDL 1980 27	6	*Macaca sinica*	Toque macaque	Lower canine
Batadomba-lena	BDL 1980 30	6	*Macaca sinica*	Toque macaque	Lower third molar (left)
Batadomba-lena	BDL 1980 32	6	*Macaca sinica*	Toque macaque	Lower first premolar (right)
Batadomba-lena	BDL 1980 38	6	*Macaca sinica*	Toque macaque	Premolar
Batadomba-lena	BDL 13	6	*Rattus* sp.	Rat	Upper incisor (left)
Batadomba-lena	BDL 20	6	*Rattus* sp.	Rat	Lower incisor (left)
Batadomba-lena	BDL 19	6	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower first premolar (right)
Batadomba-lena	BDL 53	6	*Trachypithecus vetulus*	Purple-faced leaf monkey	Second molar (left)
Batadomba-lena	BDL 55	6	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower third molar
Batadomba-	BDL	6	*Trachypithecus*	Purple-	Lower canine

lena	1980 24		*vetulus*	faced leaf monkey	(left)
Batadomba-lena	BDL 1980 25	6	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper canine (right)
Batadomba-lena	BDL 1980 26	6	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper first premolar (right)
Batadomba-lena	BDL 1980 28	6	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower second molar
Batadomba-lena	BDL 1980 31	6	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower second molar
Batadomba-lena	BDL 1980 36	6	*Trachypithecus vetulus*	Purple-faced leaf monkey	Upper molar
Batadomba-lena	BDL 1980 37	6	*Trachypithecus vetulus*	Purple-faced leaf monkey	Incisor
Batadomba-lena	BDL 7	7a	*Macaca sinica*	Toque macaque	Upper incisor (right)
Batadomba-lena	BDL 10	7a	*Macaca sinica*	Toque macaque	Upper second premolar (right)
Batadomba-lena	BDL 1980 10	7a	*Macaca sinica*	Toque macaque	Upper premolar
Batadomba-lena	BDL 1980 9	7a	*Paradoxurus* sp.	Jungle cat	Lower premolar (right)
Batadomba-lena	BDL 11	7a	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower second premolar (left)
Batadomba-lena	BDL 1980 22	7b	*Hystrix indica*	Indian porcupine	Premolar
Batadomba-lena	BDL 1980 1	7b	*Macaca sinica*	Toque macaque	Lower canine (left)
Batadomba-lena	BDL 1980 2	7b	*Macaca sinica*	Toque macaque	Lower second incisor (left)
Batadomba-lena	BDL 1980 3	7b	*Macaca sinica*	Toque macaque	Upper first premolar (right)
Batadomba-lena	BDL 1980 4	7b	*Macaca sinica*	Toque macaque	Lower first incisor (left)
Batadomba-lena	BDL 1980 39	7b	*Macaca sinica*	Toque macaque	Upper molar
Batadomba-lena	BDL 1980 5	7c	*Macaca sinica*	Toque macaque	Lower first incisor (left)
Batadomba-lena	BDL 1980 6	7c	*Macaca sinica*	Toque macaque	Lower canine (left)
Batadomba-lena	BDL 1980 7	7c	*Macaca sinica*	Toque macaque	Fragment of molar

Batadomba-lena	BDL 1980 8	7c	*Macaca sinica*	Toque macaque	Upper second incisor
Batadomba-lena	BDL 1980 13	7c	*Macaca sinica*	Toque macaque	Lower canine (left)
Batadomba-lena	BDL 1980 14	7c	*Macaca sinica*	Toque macaque	Lower first premolar (left)
Batadomba-lena	BDL 1980 15	7c	*Macaca sinica*	Toque macaque	Fragment of molar
Batadomba-lena	BDL 1980 16	7c	*Macaca sinica*	Toque macaque	Lower first incisor (left)
Batadomba-lena	BDL 1980 18	7c	*Macaca sinica*	Toque macaque	Upper second molar (left)
Batadomba-lena	BDL 1980 19	7c	*Macaca sinica*	Toque macaque	Upper first incisor
Batadomba-lena	BDL 1980 33	7c	*Macaca sinica*	Toque macaque	Upper second molar
Batadomba-lena	BDL 1980 17	7c	*Tragulus meminna*	Mouse deer	Molar tooth
Batadomba-lena	BDL 1980 20	7c	*Petinomys fuscocapillus*	Travancore flying squirrel	Upper molar
Batadomba-lena	BDL 1980 21	7c	*Ratufa macroura*	Giant squirrel	Upper incisor
Batadomba-lena	BDL 1980 11	7c	*Trachypithecus vetulus*	Purple-faced leaf monkey	Lower canine (left)
Batadomba-lena	BDL 1980 12	7c	*Trachypithecus vetulus*	Purple-faced leaf monkey	Fragment of molar
Batadomba-lena	BDL 1980 34	7c	*Trachypithecus vetulus*	Purple-faced leaf monkey	Molar tooth

Table A2. Full list of human specimens sampled in this study from the Terminal Pleistocene and Holocene layers of Fa Hien-lena and Balangoda Kuragala, and the Late Pleistocene layers of Batadomba-lena (denotes teeth subjected to intra-tooth sampling).*

Site	Sample no.	Layer	Tooth
Fa Hien-lena	FHH 1*	248	Upper second molar (right)
Balangoda Kuragala	BKH 8	4	Lower incisor (right)
Balangoda Kuragala	BKH 10	4	Upper canine (left)
Balangoda Kuragala	BKH 17	4	Upper first molar (right)
Balangoda Kuragala	BKH 3	4	Lower incisor (right)
Balangoda Kuragala	BKH 11	4	Molar fragments
Balangoda Kuragala	BKH 7	17	Molar fragment (left)
Balangoda Kuragala	BKH 19*	6	Upper second molar (right)
Balangoda Kuragala	BKH 21*	7	Lower third molar tooth (right)
Balangoda Kuragala	BKH 4	7	Upper incisor (right)
Balangoda Kuragala	BKH 12	7	Molar fragments
Balangoda Kuragala	BKH 16	7	Upper canine (left)
Balangoda Kuragala	BKH 9	7	Upper second molar (right)
Balangoda Kuragala	BKH 13	8	Upper first premolar (left)
Balangoda Kuragala	BKH 14	8	Lower incisor (left)
Balangoda Kuragala	BKH 2	8	Lower incisor (left)
Balangoda Kuragala	BKH 5	8	Upper first molar (right)
Balangoda Kuragala	BKH 15	14	Upper incisor (right)
Balangoda Kuragala	BKH 1	15	Lower first molar (left)
Balangoda Kuragala	BKH 6	15	Upper second premolar (right)
Batadomba-lena	BDH 1	6b	Upper premolar (right)

Batadomba-lena	BDH 2	6b	Molar fragment
Batadomba-lena	BDH 3	6b	Upper first molar (right)
Batadomba-lena	BDH 4	6b	Molar fragment
Batadomba-lena	BDH 5*	6b	Lower second molar (left)
Batadomba-lena	BDH 6*	6b	Lower first molar (right)
Batadomba-lena	BDH 7	6b	Lower molar crown
Batadomba-lena	BDH 8	6b	Lower premolar fragments (left)
Batadomba-lena	BDH 9	6b	Lower premolar fragments (right)
Batadomba-lena	BDH 10	6b	Upper premolar fragments (left)
Batadomba-lena	BDH 11	6b	Upper first incisor (right)
Batadomba-lena	BDH 12	6b	Lower second incisor (left)
Batadomba-lena	BDH 13	6b	Lower canine
Batadomba-lena	BDH 14	6b	Upper first molar (left)
Batadomba-lena	BDH 15	6b	Lower second incisor fragments
Batadomba-lena	BDH 16	6b	Lower third molar fragments (right)
Batadomba-lena	BDH 17*	6b	Lower second molar (right)
Batadomba-lena	BDH 18	6b	Lower incisor
Batadomba-lena	BDH 19	6b	Premolar
Batadomba-lena	BDH 20	6b/7a	Fragments
Batadomba-lena	BDH 21*	6b/7a	Upper first molar (right)
Batadomba-lena	BDH 22*	6b/7a	Upper first incisor (right)
Batadomba-lena	BDH 23	7c	Upper second incisor (left)

Table A3. Modern and fossil enamel samples subjected to FTIR-ATR analysis as part of a precautionary pretreatment check.

Sample	Group	Location	Species	Layer	Element	Date
COP 1	Modern fauna*	Polonnaruwa	*Axis axis*	-	Lower third molar (left)	1980s
MAC 1	Modern fauna*	Kuragala	*Macaca sinica*	-	Lower third molar (right)	2014
SEM 1	Modern fauna*	Kuragala	*Semnopithecus priam thersites*	-	Lower third molar (right)	2014
MOP 1	Modern fauna*	Polonnaruwa	*Macaca sinica*	-	Lower third molar (right)	1980s
MOP 2	Modern fauna*	Polonnaruwa	*Macaca sinica*	-	Lower third molar (left)	1980s
MOP 3	Modern fauna*	Polonnaruwa	*Trachypithecus vetulus*	-	Lower third molar (left)	1980s
MOP 4	Modern fauna*	Polonnaruwa	*Trachypithecus vetulus*	-	Lower third molar (right)	1980s
MOP 5	Modern fauna*	Polonnaruwa	*Trachypithecus vetulus*	-	Lower third molar (right)	1980s
MOP 6	Modern fauna*	Polonnaruwa	*Semnopithecus priam thersites*	-	Lower third molar (right)	1980s
MOP 7	Modern fauna*	Polonnaruwa	*Trachypithecus vetulus*	-	Lower third molar (left)	1980s
BDL 37	Fossil fauna	Batadomba-lena	*Trachypithecus vetulus*	4	Lower third molar (left)	*c.* 15,000-10,000 cal. years BP
BDL 32	Fossil fauna	Batadomba-lena	*Trachypithecus vetulus*	5	Lower third molar (left)	*c.* 16,000-13,000 cal. years BP
BDL 52	Fossil fauna	Batadomba-lena	*Trachypithecus vetulus*	5	Third molar (left)	*c.* 16,000-13,000 cal. years BP
BDL 53	Fossil fauna	Batadomba-lena	*Trachypithecus vetulus*	6	Second molar (left)	*c.* 19,000-15,000 cal. years BP
BDH 5	Fossil human	Batadomba-lena	*Homo sapiens*	6b	Lower second molar (left)	*c.* 19,000-15,000 cal. years BP

BK 27	Fossil fauna	Balangoda Kuragala	*Semnopithecus priam thersites*	8	Lower third molar (left)	*c.* 7,000 cal. years BP
BK 70	Fossil fauna	Balangoda Kuragala	*Hystrix indica*	4	Lower third molar (left)	*c.* 3,000 cal. years BP
BK 100	Fossil fauna	Balangoda Kuragala	*Sus scrofa*	6	Fragment of molar/premolar	*c.* 6,000 cal. years BP
FH 41	Fossil fauna	Fa Hien-lena	*Macaca sinica*	139	*Upper third molar (left)*	*c.* 12,000 cal. years BP
FH 63	Fossil fauna	Fa Hien-lena	*Macaca sinica*	136	*Lower third molar (right)*	*c.* 8,000 cal. years BP

**Full details of these samples can be found in Catalogue Table A5.*

Table A4. Samples subjected to FTIR-ATR analysis both as a check for diagenetic structural and compositional changes during burial.

Sample	Group	Location	Species	Layer	Element	Date
BUN 1	Modern fauna	Bundala coast	*Macaca sinica*	-	Upper third molar (right)	2015
COP 1	Modern fauna	Polonnaruwa	*Axis axis*	-	Lower third molar (left)	1980s
MAC 1	Modern fauna	Kuragala	*Macaca sinica*	-	Lower third molar (right)	2014
SEM 1	Modern fauna	Kuragala	*Semnopithecus priam thersites*	-	Lower third molar (right)	2014
MOP 1	Modern fauna	Polonnaruwa	*Macaca sinica*	-	Lower third molar (right)	1980s
MOP 2	Modern fauna	Polonnaruwa	*Macaca sinica*	-	Lower third molar (left)	1980s
MOP 3	Modern fauna	Polonnaruwa	*Trachypithecus vetulus*	-	Lower third molar (left)	1980s
MOP 4	Modern fauna	Polonnaruwa	*Trachypithecus vetulus*	-	Lower third molar (right)	1980s
MOP 5	Modern fauna	Polonnaruwa	*Trachypithecus vetulus*	-	Lower third molar (right)	1980s
MOP 6	Modern fauna	Polonnaruwa	*Semnopithecus priam thersites*	-	Lower third molar (right)	1980s
MOP 7	Modern fauna	Polonnaruwa	*Trachypithecus vetulus*	-	Lower third molar (left)	1980s
VAD 1	Modern human*	Sri Lanka	*Homo sapiens*	-	Lower second molar	-

					(left)	
VAD 2	Modern human*	Sri Lanka	*Homo sapiens*	-	Lower second molar (right)	-
VAD 3	Modern human*	Sri Lanka	*Homo sapiens*	-	Lower second molar	1903
VAD 4	Modern human*	Colombo Museum, Sri Lanka	*Homo sapiens*	-	Upper first molar (right)	1897
VAD 5	Modern human*	Sri Lanka	*Homo sapiens*	-	Lower third molar (right)	1898
SL 1	Modern human*	Slave Island, Colombo, Sri Lanka	*Homo sapiens*	-	Lower third molar (right)	-
SL 2	Modern human*	Colombo, Sri Lanka	*Homo sapiens*	-	Lower third molar (left)	-
SL 3	Modern human*	Sri Lanka	*Homo sapiens*	-	Lower third molar (right)	-
SL 4	Modern human*	Sri Lanka	*Homo sapiens*	-	Lower third molar (right)	-
SL 5	Modern human*	Sri Lanka	*Homo sapiens*	-	Lower second molar (left)	-
SL 6	Modern human*	Sri Lanka	*Homo sapiens*	-	Lower third molar (right)	-
SL 7	Modern human*	Sri Lanka	*Homo sapiens*	-	Upper second molar (right)	-
SL 8	Modern human*	Sri Lanka	*Homo sapiens*	-	Lower third molar (right)	-
SL 9	Modern human*	Sri Lanka	*Homo sapiens*	-	Upper third	-

					molar (right)	
SL 10	Modern human*	Sri Lanka	*Homo sapiens*	-	Lower second premolar (left)	-
FH 2	Fa Hien-lena fossil fauna	Fa Hien-lena	*Macaca sinica*	169	Upper first molar (right)	*c.* 12,000 cal. years BP
FH 4	Fa Hien-lena fossil fauna	Fa Hien-lena	*Macaca sinica*	139	Upper third molar (left)	*c.* 12,000 cal. years BP
FH 24	Fa Hien-lena fossil fauna	Fa Hien-lena	*Hystrix indica*	247	Upper first premolar (right)	*c.* 12,000 cal. years BP
FH 35	Fa Hien-lena fossil fauna	Fa Hien-lena	*Trachypithecus vetulus*	174	Upper third molar (right)	*c.* 12,000 cal. years BP
FH 42	Fa Hien-lena fossil fauna	Fa Hien-lena	*Semnopithecus priam thersites*	136	Upper third molar (left)	*c.* 8,000 cal. years BP
FH 41	Fa Hien-lena fossil fauna	Fa Hien-lena	*Macaca sinica*	139	Upper third molar (left)	*c.* 12,000 cal. years BP
FH 53	Fa Hien-lena fossil fauna	Fa Hien-lena	*Macaca sinica*	247	Upper third molar (right)	*c.* 12,000 cal. years BP
FH 57	Fa Hien-lena fossil fauna	Fa Hien-lena	*Semnopithecus priam thersites*	169	Lower third molar (right)	*c.* 12,000 cal. years BP
FH 60	Fa Hien-lena fossil fauna	Fa Hien-lena	*Trachypithecus vetulus*	139	Upper second molar (left)	*c.* 12,000 cal. years BP
FH 63	Fa Hien-lena fossil fauna	Fa Hien-lena	*Macaca sinica*	136	Lower third molar (right)	*c.* 8,000 cal. years BP
FH 75	Fa Hien-lena fossil fauna	Fa Hien-lena	*Macaca sinica*	169	Lower canine (right)	*c.* 12,000 cal. years BP
FH 76	Fa Hien-	Fa Hien-lena	*Macaca sinica*	136	Upper	*c.* 8,000

	lena fossil fauna				incisor (right)	cal. years BP
FH 77	Fa Hien-lena fossil fauna	Fa Hien-lena	*Macaca sinica*	169	Upper canine (left)	*c.* 12,000 cal. years BP
FH 78	Fa Hien-lena fossil fauna	Fa Hien-lena	*Macaca sinica*	214	Upper canine (left)	*c.* 12,000 cal. years BP
FH 79	Fa Hien-lena fossil fauna	Fa Hien-lena	*Macaca sinica*	214	Fragment of upper canine (right)	*c.* 12,000 cal. years BP
BK 1	Balangoda Kuragala fossil fauna	Balangoda Kuragala	*Axis axis*	4	Second premolar (left)	*c.* 3,000 cal. years BP
BK 2	Balangoda Kuragala fossil fauna	Balangoda Kuragala	*Sus scrofa*	15	Upper first incisor (left)	*c.* 10,000 cal. years BP
BK 27	Balangoda Kuragala fossil fauna	Balangoda Kuragala	*Semnopithecus priam thersites*	8	Lower third molar (left)	*c.* 7,000 cal. years BP
BK 34	Balangoda Kuragala fossil fauna	Balangoda Kuragala	*Muntiacus muntjak*	33F	Fragment of upper molar	*c.* 12,000 cal. years BP
BK 31	Balangoda Kuragala fossil fauna	Balangoda Kuragala	*Macaca sinica*	15	Lower third molar (right)	*c.* 10,000 cal. years BP
BK 35	Balangoda Kuragala fossil fauna	Balangoda Kuragala	*Cervus unicolor*	14	Lower second premolar (right)	*c.* 10,000 cal. years BP
BK 33	Balangoda Kuragala fossil fauna	Balangoda Kuragala	*Paradoxurus* sp.	33F	Upper second premolar (left)	*c.* 12,000 cal. years BP
BK 47	Balangoda Kuragala fossil fauna	Balangoda Kuragala	*Semnopithecus priam thersites*	4	Upper third molar (left)	*c.* 3,000 cal. years BP
BK 67	Balangoda Kuragala fossil fauna	Balangoda Kuragala	*Semnopithecus priam thersites*	8	Lower third molar (right)	*c.* 7,000 cal. years BP
BK 61	Balangoda Kuragala	Balangoda Kuragala	*Macaca sinica*	37	Upper third	*c.* 12,000 cal. years

	fossil fauna				molar (left)	BP
BK 70	Balangoda Kuragala fossil fauna	Balangoda Kuragala	*Hystrix indica*	4	Lower third molar (left)	*c.* 3,000 cal. years BP
BK 72	Balangoda Kuragala fossil fauna	Balangoda Kuragala	*Semnopithecus priam thersites*	8	Lower third molar (right)	*c.* 7,000 cal. years BP
BK 82	Balangoda Kuragala fossil fauna	Balangoda Kuragala	*Rattus* sp.	14	Fragment of lower incisor	*c.* 10,000 cal. years BP
BK 100	Balangoda Kuragala fossil fauna	Balangoda Kuragala	*Sus scrofa*	6	Fragment of molar/premolar	*c.* 6,000 cal. years BP
BK 97	Balangoda Kuragala fossil fauna	Balangoda Kuragala	*Sus scrofa*	8	Lower first incisor (right)	*c.* 7,000 cal. years BP
BBP 1	Bellan-bandi Palassa fossil fauna	Bellan-bandi Palassa	*Hystrix indica*	10	Upper first molar (left)	*c.* 12,000 cal. years BP
BBP 2	Bellan-bandi Palassa fossil fauna	Bellan-bandi Palassa	*Sus scrofa*	10	Upper incisor (left)	*c.* 12,000 cal. years BP
BBP 3	Bellan-bandi Palassa fossil fauna	Bellan-bandi Palassa	*Trachypithecus vetulus*	10	Upper second premolar (right)	*c.* 12,000 cal. years BP
BBP 4	Bellan-bandi Palassa fossil fauna	Bellan-bandi Palassa	*Trachypithecus vetulus*	10	Lower second molar (left)	*c.* 12,000 cal. years BP
BBP 5	Bellan-bandi Palassa fossil fauna	Bellan-bandi Palassa	*Semnopithecus priam thersites*	10	Lower second molar (left)	*c.* 12,000 cal. years BP
BBP 6	Bellan-bandi Palassa fossil fauna	Bellan-bandi Palassa	*Trachypithecus vetulus*	10	Lower first molar (left)	*c.* 12,000 cal. years BP
BBP 8	Bellan-bandi Palassa fossil fauna	Bellan-bandi Palassa	*Macaca sinica*	10	Lower third molar (right)	*c.* 12,000 cal. years BP

BBP 9	Bellan-bandi Palassa fossil fauna	Bellan-bandi Palassa	*Trachypithecus vetulus*	10	Lower third molar (right)	*c.* 12,000 cal. years BP
BBP 24	Bellan-bandi Palassa fossil fauna	Bellan-bandi Palassa	*Semnopithecus priam thersites*	10	Second premolar (left)	*c.* 12,000 cal. years BP
BBP 25	Bellan-bandi Palassa fossil fauna	Bellan-bandi Palassa	*Trachypithecus vetulus*	10	Lower canine (right)	*c.* 12,000 cal. years BP
BDL 12	Batadomba-lena fossil fauna	Batadomba-lena	*Macaca sinica*	5	Upper second molar (left)	*c.* 16,000-13,000 cal. years BP
BDL 24	Batadomba-lena fossil fauna	Batadomba-lena	*Hystrix indica*	5	Upper second molar (left)	*c.* 16,000-13,000 cal. years BP
BDL 28	Batadomba-lena fossil fauna	Batadomba-lena	*Muntiacus muntjak*	5	First premolar (left)	*c.* 16,000-13,000 cal. years BP
BDL 29	Batadomba-lena fossil fauna	Batadomba-lena	*Macaca sinica*	4	Upper first molar (left)	*c.* 15,000-10,500 cal. years BP
BDL 32	Batadomba-lena fossil fauna	Batadomba-lena	*Trachypithecus vetulus*	5	Lower third molar (left)	*c.* 16,000-13,000 cal. years BP
BDL 36	Batadomba-lena fossil fauna	Batadomba-lena	*Trachypithecus vetulus*	5	Lower second molar (left)	*c.* 16,000-13,000 cal. years BP
BDL 37	Batadomba-lena fossil fauna	Batadomba-lena	*Trachypithecus vetulus*	4	Lower third molar (left)	*c.* 15,000-10,500 cal. years BP
BDL 47	Batadomba-lena fossil fauna	Batadomba-lena	*Trachypithecus vetulus*	4	Lower third molar	*c.* 15,000-10,500

					(left)	cal. years BP
BDL 51	Batadomba-lena fossil fauna	Batadomba-lena	*Macaca sinica*	4	Lower molar (left)	*c.* 15,000-10,500 cal. years BP
BDL 52	Batadomba-lena fossil fauna	Batadomba-lena	*Trachypithecus vetulus*	5	Third molar (left)	*c.* 16,000-13,000 cal. years BP
BDL 53	Batadomba-lena fossil fauna	Batadomba-lena	*Trachypithecus vetulus*	6	Second molar (left)	*c.* 19,000-15,000 cal. years BP
BDL 63	Batadomba-lena fossil fauna	Batadomba-lena	*Macaca sinica*	4	Upper second molar (left)	*c.* 15,000-10,500 cal. years BP
BDL 25	Batadomba-lena fossil fauna	Batadomba-lena	*Macaca sinica*	5	Upper second premolar (left)	*c.* 16,000-13,000 cal. years BP
BDL 40	Batadomba-lena fossil fauna	Batadomba-lena	*Trachypithecus vetulus*	5	Lower third molar (left)	*c.* 16,000-13,000 cal. years BP
BDL 58	Batadomba-lena fossil fauna	Batadomba-lena	*Macaca sinica*	4	Upper second premolar (left)	*c.* 15,000-10,500 cal. years BP
BDL 1980 7	1980s Batadomba-lena fossil fauna	Batadomba-lena	*Macaca sinica*	7c	Fragmen t of molar	*c.* 35,000-34,000 cal. years BP
BDL 1980 17	1980s Batadomba-lena fossil fauna	Batadomba-lena	*Tragulus meminna*	7c	Molar tooth	*c.* 35,000-34,000 cal. years BP
BDL 1980 18	1980s Batadomba-lena fossil	Batadomba-lena	*Macaca sinica*	7c	Upper second molar	*c.* 35,000-34,000

	fauna				(left)	cal. years BP
BDL 1980 19	1980s Batadomba-lena fossil fauna	Batadomba-lena	*Macaca sinica*	7c	Upper first incisor	*c.* 35,000-34,000 cal. years BP
BDL 1980 22	1980s Batadomba-lena fossil fauna	Batadomba-lena	*Hystrix indica*	7b	*Premola r*	*c.* 27,000-22,000 cal. years BP
BDL 1980 28	1980s Batadomba-lena fossil fauna	Batadomba-lena	*Trachypithecus vetulus*	6	Lower second molar	*c.* 19,000-15,000 cal. years BP
BDL 1980 31	1980s Batadomba-lena fossil fauna	Batadomba-lena	*Trachypithecus vetulus*	6	Lower second molar	*c.* 19,000-15,000 cal. years BP
BDL 1980 33	1980s Batadomba-lena fossil fauna	Batadomba-lena	*Macaca sinica*	7c	Upper second molar	*c.* 35,000-34,000 cal. years BP
BDL 1980 36	1980s Batadomba-lena fossil fauna	Batadomba-lena	*Trachypithecus vetulus*	6	Upper molar	*c.* 19,000-15,000 cal. years BP
BDL 1980 10	1980s Batadomba-lena fossil fauna	Batadomba-lena	*Macaca sinica*	7a	Upper premolar	*c.* 20,000-18,000 cal. years BP
BDL 1980 12	1980s Batadomba-lena fossil fauna	Batadomba-lena	*Trachypithecus vetulus*	7c	Fragmen t of molar	*c.* 35,000-34,000 cal. years BP
BDL 1980 6	1980s Batadomba-lena fossil fauna	Batadomba-lena	*Macaca sinica*	7c	Lower canine (left)	*c.* 35,000-34,000 cal. years BP
BDL 1980 24	1980s Batadomba-lena fossil	Batadomba-lena	*Trachypithecus vetulus*	6	Purple-faced leaf	*c.* 19,000-15,000

	fauna				monkey	cal. years BP
BDL 1980 26	1980s Batadomba-lena fossil fauna	Batadomba-lena	*Trachypithecus vetulus*	6	Upper first premolar (right)	*c.* 19,000-15,000 cal. years BP
BDL 1980 37	1980s Batadomba-lena fossil fauna	Batadomba-lena	*Trachypithecus vetulus*	6	Incisor	*c.* 19,000-15,000 cal. years BP
BDH 1	Fossil human	Batadomba-lena	*Homo sapiens*	6b	Upper premolar (right)	*c.* 19,000-15,000 cal. years BP
BDH 2	Fossil human	Batadomba-lena	*Homo sapiens*	6b	Molar fragment	*c.* 19,000-15,000 cal. years BP
BDH 3	Fossil human	Batadomba-lena	*Homo sapiens*	6b	Upper first molar (right)	*c.* 19,000-15,000 cal. years BP
BDH 4	Fossil human	Batadomba-lena	*Homo sapiens*	6b	Molar fragment	*c.* 19,000-15,000 cal. years BP
BDH 5	Fossil human	Batadomba-lena	*Homo sapiens*	6b	Lower second molar (left)	*c.* 19,000-15,000 cal. years BP
BDH 6	Fossil human	Batadomba-lena	*Homo sapiens*	6b	Lower first molar (right)	*c.* 19,000-15,000 cal. years BP
BDH 7	Fossil human	Batadomba-lena	*Homo sapiens*	6b	Lower molar crown	*c.* 19,000-15,000 cal. years BP
BDH 8	Fossil human	Batadomba-lena	*Homo sapiens*	6b	Lower premolar fragment	*c.* 19,000-15,000

					s (left)	cal. years BP
BKH 1	Fossil human	Balangoda Kuragala	*Homo sapiens*	15	Lower first molar (left)	*c.* 10,000 cal. years BP
BKH 5	Fossil human	Balangoda Kuragala	*Homo sapiens*	8	Upper first molar (right)	*c.* 7,000 cal. years BP
BKH 7	Fossil human	Balangoda Kuragala	*Homo sapiens*	17	Molar fragment (left)	*c.* 10,000 cal. years BP
BKH 9	Fossil human	Balangoda Kuragala	*Homo sapiens*	7	Upper second molar (right)	*c.* 7,000 cal. years BP
BKH 11	Fossil human	Balangoda Kuragala	*Homo sapiens*	4	Molar fragments	*c.* 3,000 cal. years BP
BKH 21	Fossil human	Balangoda Kuragala	*Homo sapiens*	7	Lower third molar tooth (right)	*c.* 7,000 cal. years BP
FHH 1	Fossil human	Fa Hien-lena	*Homo sapiens*	248	Lower second molar (right)	*c.* 12,000 cal. years BP

**Although this group of samples has been listed as 'Modern human' for shorthand they actually come from anatomical collections originating in the late 19th and early 20th centuries (Catalogue Table A6).*

Table A5. List of modern faunal samples included in this study including location and year collected.

Sample	**Year collected**	**Location**	**Taxa**	**Element**	**Extra**
MOP 1	1980s	Polonnaruwa	*Macaca sinica*	Lower third molar (right)	Adult female
MOP 2	1980s	Polonnaruwa	*Macaca sinica*	Lower third molar (left)	Juvenile
MOP 3	1980s	Polonnaruwa	*Trachypithecus vetulus*	Lower third molar (left)	Adult
MOP 4	1980s	Polonnaruwa	*Semnopithecus priam thersites*	Lower third molar (right)	Adult
MOP 5	1980s	Polonnaruwa	*Semnopithecus priam thersites*	Lower third molar (right)	Adult
MOP 6	1980s	Polonnaruwa	*Trachypithecus vetulus*	Lower third molar (right)	Adult
MOP 7	1980s	Polonnaruwa	*Trachypithecus vetulus*	Lower third molar (left)	Juvenile
MOP 8	1980s	Polonnaruwa	*Trachypithecus vetulus*	Lower third molar (right)	Adult
COP 1	1980s	Polonnaruwa	*Cervus* sp.	Lower third molar (left)	-
COP 2	1980s	Polonnaruwa	*Cervus* sp.	Lower second molar (right)	-
BUN 1	2015	Bundala coast	*Macaca sinica*	Upper third molar (right)	Juvenile
MAC 1	2014	Kuragala	*Macaca sinica*	Whole right	Adult

				mandible	
SEM 1	2014	Kuragala	*Semnopithecus priam thersites*	Partial right mandible	Adult

Table A6. List of modern human samples included in this study including collection, year received by the collection, and any further information held by the collection. A total of 15 human samples listed as 'Ceylonese' or 'Veddah' (provenance Sri Lanka) were taken from the Duckworth Collection, University of Cambridge and the Department of Anatomy Collection, University of Edinburgh as a control diagenetic human group. They all come from individuals who died during the late 19th and early 20th centuries. Given that their $\delta^{13}C$ and $\delta^{18}O$ measurements are not included in this thesis they will not be discussed in any further detail here.

Sample	**Collection**	**Collection Number**	**Year collected**	**Location**	**Element**	**Extra**
VAD 1	Cambridge University Duckworth Collection	AS.54.0.1	-	Sri Lanka	Lower second molar (left)	Male
VAD 2	Cambridge University Duckworth Collection	6101	-	Sri Lanka	Lower second molar (right)	-
VAD 3	Cambridge University Duckworth Collection	6100	1903	Sri Lanka	Lower second molar	-
VAD 4	Cambridge University Duckworth Collection	1197	1897	Colombo Museum, Sri Lanka	Upper first molar (right)	-
VAD 5	Cambridge University Duckworth Collection	1081	1898	Sri Lanka	Lower third molar (right)	95 year-old – 'Regular Veddah'
SL 1	Cambridge University Duckworth Collection	3317	-	Slave Island, Colombo, Sri Lanka	Lower third molar (right)	42 year-old male – 'Sri Lankan Moor'
SL 2	Cambridge University Duckworth Collection	3318	-	Colombo, Sri Lanka	Lower third molar (left)	48 year-old male – 'Moor'
SL 3	Cambridge University Duckworth Collection	3315	-	Sri Lanka	Lower third molar (right)	'Sinhalese'
SL 4	Cambridge University Duckworth Collection	3319	-	Sri Lanka	Lower third molar (right)	37 year-old male – 'Sinhalese'
SL 5	Cambridge	3316	-	Sri	Lower	35 year-old

	University Duckworth Collection			Lanka	second molar (left)	female – ‘Sinhalese’
SL 6	Edinburgh University, Department of Anatomy Collection	XXI G1	-	Sri Lanka	Lower third molar (right)	‘Ceylonese’
SL 7	Edinburgh University, Department of Anatomy Collection	XXI G6	-	Sri Lanka	Upper second molar (right)	‘Ceylonese’
SL 8	Edinburgh University, Department of Anatomy Collection	XXI G19	-	Sri Lanka	Lower third molar (right)	‘Ceylonese’
SL 9	Edinburgh University, Department of Anatomy Collection	XXI G9	-	Sri Lanka	Upper third molar (right)	‘Ceylonese’
SL 10	Edinburgh University, Department of Anatomy Collection	XXI G21	-	Sri Lanka	Lower second premolar (left)	‘Ceylonese’

Table A7. List of samples subjected to Scanning Electron Miscroscopy (SEM) and energy dispersive analysis (EDA).

Sample	**Site**	**Layer**	**Species**	**Tooth**
BK 35	Balangoda Kuragala	14	*Cervus unicolor*	Lower second premolar (right)
BBP 21	Bellan-bandi Palassa	10	*Trachypithecus vetulus*	Lower first molar (right)
BBP 28	Bellan-bandi Palassa	10	*Macaca sinica*	Upper first incisor (left)
BBP 23	Bellan-bandi Palassa	10	*Paradoxurus* sp.	Lower second molar (left)
BDL 8	Batadomba-lena	6	*Macaca sinica*	Upper canine (right)
BDL 20	Batadomba-lena	6	*Rattus* sp.	Lower incisor (left)

Table A8. Importance of plants sampled at the Polonnaruwa Nature Sanctuary to the diets of Macaca sinica*,* Semnopithecus priam thersites *and* Trachypithecus vetulus *during the dry season (August 2014) (1=regularly eaten, 2=eaten, 3=rarely eaten, 4=not eaten).*

Species	**Part**	**Season**	***Semnopithecus priam thersites***	***Trachypithecus vetulus***	***Macaca sinica***
*Adina cordifolia**	Leaves	February-March	3	1	4
Azadirachta indica	Flowers	Feburary-March	2	3	4
Azadirachta indica	Fruit	March-April	2	2	2
Azadirachta indica	Leaves	March-April	2	2	4
Cassia fistula	Flowers	May-August	2	2	2
Cassia fistula	Leaves	-	4	4	4
Cassia roxburghii	Flowers	-	4	4	4
Cassia roxburghii	Fruit	February-March	4	4	2
Cassia roxburghii	Leaf shoots	February-March	2	2	3
Cassia roxburghii	Leaves	February-March	2	2	4
Cyperaceae spp.	Tubers	March-August	4	4	2
Drypetes sepiaria	Fruit	-	4	4	4
Drypetes sepiaria	Leaves	-	4	4	4
Ficus amplissima	Fruit	February-October	3	3	1
Ficus amplissima	Unripe fruit	February-October	2	2	4
Ficus amplissima	Young leaves	February-March	3	3	4
Ficus amplissima	Leaves	-	4	4	4
Ficus benghalensis	Fruit	February-August	4	4	1
Ficus benghalensis	Leaf shoots	March-April	1	1	4
Ficus benghalensis	Leaves	-	4	4	4
Ficus	Fruit	March-	2	3	4

religiosa		April			
Ficus religiosa	Leaves	April-May	2	2	4
Ficus religiosa	Young leaves	March-April	1	2	4
Garcinia spicata	Young leaves	February-March	3	2	4
Manilkara hexandra	Leaves	-	4	4	4
Manilkara hexandra	Young leaves	August-October	3	3	4
Mimosa pudica	Fruit	May-July	2	4	3
Mimosa pudica	Leaves	March-July	1	4	4
Schleichera oleosa	Fruit	May-July	2	2	1
Schleichera oleosa	Leaves	-	4	4	4
Streblus asper	Leaves	February-June	1	3	4
Szygium cumini	Fruit	July-October	2	1	1
Szygium cumini	Unripe fruit	July-October	2	2	4
Szygium cumini	Leaves	-	4	4	4
Tamarindus indica	Flowers	August-September	1	3	3
Tamarindus indica	Leaves	August-October	3	4	4
Tamarindus indica	Leaf shoots	August-September	1	2	3
Vitex pinnata	Flowers	September-October	3	4	3
Vitex pinnata	Fruit	September-October	3	3	3
Vitex pinnata	Leaves	-	4	4	4
Walsura piscida	Leaves	-	4	4	4
Walsura piscida	Leaf shoots	February-March	2	2	4

**Leaves parched for water*

Table A9. Importance of plants sampled at the Polonnaruwa Nature Sanctuary to the diets of Macaca sinica, Semnopithecus priam thersites *and* Trachypithecus vetulus *during the wet season (February 2015) (1=regularly eaten, 2=eaten, 3=rarely eaten, 4=not eaten).*

Species	**Part**	**Season**	***Semnopithecus priam thersites***	***Trachypithecus vetulus***	***Macaca sinica***
*Adina cordifolia**	Leaves	October-March	3	1	4
Azadirachta indica	Leaves	January-March	2	2	4
Cyperaceae spp.	Tubers	February-March	4	4	2
Drypteria retusa	Leaves	-	4	4	4
Ficus amplissima	Fruit	January-March	3	3	1
Ficus amplissima	Leaves	-	4	4	4
Ficus benghalensis	Fruit	February-March	2	2	1
Ficus benghalensis	Leaves	-	4	4	4
Garcinia spicata	Leaves	February-March	3	3	4
Glycosmis pentaphylla	Leaf shoots	October-February	2	2	2
Manilkara hexandra	Leaves	-	4	4	4
Mimosa pudica	Leaves	March	1	4	4
Schleichera oleosa	Leaves	February-March	4	4	4
Schleichera oleosa	Leaf shoots	February-March	1	1	3
Streblus asper	Leaves	October-March	1	3	4
Szygium cumini	Leaves	-	4	4	4
Tamarindus indica	Leaves	October-March	1	3	3
Vitex pinnata	Leaves	February-March	4	4	4
Walsura piscida	Flowers	January-March	2	2	4
Walsura piscida	Leaves	February-March	4	4	4

**Leaves parched for water*

Table A10. Vegetation samples taken during August 2014 (dry season) by the author with species, plant part, canopy height, and insolation environmental information recorded. Note that each 'sample' is a composite of c. *10 leaves, fruits, flowers at a given point in each tree.*

Sample	**Species**	**Plant part**	**Tree number**	**Canopy Height**	**Insolation**
PL25	*Adina cordifolia*	Leaves	2	Middle	Medium
PL57	*Adina cordifolia*	Leaves	3	Low	Low
PL85	*Adina cordifolia*	Leaves	2	Low	Low
PL88	*Adina cordifolia*	Leaves	1	Low	Low
PL103	*Adina cordifolia*	Leaves	1	Upper	High
PL104	*Adina cordifolia*	Leaves	1	Middle	Medium
PL107	*Adina cordifolia*	Leaves	3	Middle	Medium
PL108	*Adina cordifolia*	Leaves	3	Upper	High
PL125	*Adina cordifolia*	Leaves	2	Upper	High
PL114	*Azadirachta indica*	Fruit	3	Low	Medium
PL126	*Azadirachta indica*	Fruit	1	Low	High
PL127	*Azadirachta indica*	Fruit	2	Low	Low
PL128	*Azadirachta indica*	Leaves	2	Low	Low
PL129	*Azadirachta indica*	Flowers	2	Low	Low
PL40	*Cassia fistula*	Flowers	2	Middle	High
PL41	*Cassia fistula*	Flowers	1	Upper	High
PL47	*Cassia fistula*	Flowers	1	Low	Low
PL64	*Cassia fistula*	Flowers	1	Middle	Medium
PL74	*Cassia fistula*	Leaves	2	Middle	High
PL22	*Cassia roxburghii*	Fruit	4	Low	Low
PL37	*Cassia roxburghii*	Leaf shoots	1	Middle	High
PL38	*Cassia roxburghii*	Flowers	1	Middle	High
PL39	*Cassia roxburghii*	Leaves	1	Middle	High
PL53	*Cassia roxburghii*	Leaves	2	Middle	Medium
PL54	*Cassia roxburghii*	Flowers	2	Middle	Medium
PL67	*Cassia roxburghii*	Leaves	3	Middle	High
PL68	*Cassia roxburghii*	Flowers	3	Middle	High
PL69	*Cassia roxburghii*	Leaf shoots	3	Middle	High

PL97	*Cassia roxburghii*	Flowers	2	Upper	High
PL98	*Cassia roxburghii*	Leaves	2	Upper	High
PL139	*Cassia roxburghii*	Fruits	2	Low	Low
PL161	*Cassia roxburghii*	Flowers	4	Middle	High
PL162	*Cassia roxburghii*	Leaves	4	Middle	High
PL163	*Cassia roxburghii*	Leaf shoots	4	Middle	High
PL166	*Cassia roxburghii*	Fruit	5	Low	Low
PL111	Cyperaceae spp.	Tubers	1	Low	Open
PL116	*Drypetes sepiaria*	Fruit	1	Middle	Medium
PL117	*Drypetes sepiaria*	Leaves	1	Middle	Medium
PL10	*Ficus amplissimia*	Fruits	2	Low	Medium
PL11	*Ficus amplissimia*	Leaves	2	Low	Medium
PL19	*Ficus amplissimia*	Unripe fruits	1	Upper	High
PL20	*Ficus amplissimia*	Fruit	2	Middle	High
PL21	*Ficus amplissimia*	Leaves	2	Middle	High
PL45	*Ficus amplissimia*	Young leaves	1	Low	Low
PL51	*Ficus amplissimia*	Unripe fruits	1	Middle	High
PL52	*Ficus amplissimia*	Leaves	1	Middle	High
PL132	*Ficus amplissimia*	Fruits	3	Middle	Medium
PL157	*Ficus amplissimia*	Fruits	1	Low	Low
PL147	*Ficus amplissimia*	Leaves	3	Upper	High
PL146	*Ficus amplissimia*	Fruit	3	Upper	High
PL156	*Ficus amplissimia*	Leaves	1	Low	Low
PL1	*Ficus benghalensis*	Leaf shoots	1	Low	Low
PL2	*Ficus benghalensis*	Leaves	1	Low	Low
PL3	*Ficus benghalensis*	Fruit	1	Low	Low

PL135	*Ficus benghalensis*	Fruit	1	Middle	Medium
PL136	*Ficus benghalensis*	Leaves	1	Middle	Medium
PL140	*Ficus benghalensis*	Fruit	2	Low	Low
PL141	*Ficus benghalensis*	Leaves	2	Low	Low
PL159	*Ficus benghalensis*	Leaves	2	Middle	Medium
PL160	*Ficus benghalensis*	Fruit	2	Middle	Medium
PL12	*Ficus religiosa*	Young leaves	1	Low	Medium
PL130	*Ficus religiosa*	Fruits	2	Low	Medium
PL131	*Ficus religiosa*	Leaves	2	Low	Medium
PL133	*Ficus religiosa*	Young leaves	2	Low	Medium
PL58	*Garcinia spicata*	Young leaves	1	Middle	Low
PL72	*Garcinia spicata*	Young leaves	3	Low	Low
PL73	*Garcinia spicata*	Young leaves	3	Middle	Medium
PL82	*Garcinia spicata*	Young leaves	2	Middle	Medium
PL87	*Garcinia spicata*	Young leaves	1	Low	Low
PL96	*Garcinia spicata*	Young leaves	1	Upper	High
PL99	*Garcinia spicata*	Young leaves	3	Upper	High
PL105	*Garcinia spicata*	Young leaves	2	Low	Low
PL122	*Garcinia spicata*	Young leaves	2	Upper	High
PL18	*Manilkara hexandra*	Leaves	3	Low	Low
PL65	*Manilkara hexandra*	Young leaves	1	Upper	High
PL66	*Manilkara hexandra*	Young leaves	1	Middle	Medium
PL79	*Manilkara hexandra*	Young leaves	2	Middle	Medium
PL115	*Manilkara hexandra*	Young leaves	1	Low	Low
PL121	*Manilkara hexandra*	Leaves	2	Upper	Medium
PL123	*Manilkara*	Young	2	Low	Low

	hexandra	leaves			
PL124	*Manilkara hexandra*	Young leaves	4	Upper	High
PL134i	*Manilkara hexandra*	Young leaves	3	Middle	Medium
PL143ii	*Manilkara hexandra*	Leaves	4	Low	Low
PL151	*Manilkara hexandra*	Leaves	4	Low	Medium
PL158	*Manilkara hexandra*	Leaves	3	Upper	High
PL171	*Manilkara hexandra*	Leaves	4	Middle	Medium
PL31	*Mimosa pudica*	Leaves	2	Low	Medium
PL62	*Mimosa pudica*	Leaves	3	Low	Medium
PL137	*Mimosa pudica*	Leaves	1	Low	Medium
PL138	*Mimosa pudica*	Fruit	1	Low	Medium
PL16	*Schleichera oleosa*	Fruit	1	Middle	Medium
PL17	*Schleichera oleosa*	Leaves	1	Middle	Medium
PL43	*Schleichera oleosa*	Fruit	3	Low	Low
PL44	*Schleichera oleosa*	Fruit	1	Upper	High
PL50	*Schleichera oleosa*	Leaves	1	Upper	High
PL63	*Schleichera oleosa*	Fruit	2	Middle	High
PL70	*Schleichera oleosa*	Leaves	3	Middle	Medium
PL71	*Schleichera oleosa*	Leaves	3	Upper	High
PL75	*Schleichera oleosa*	Fruit	3	Middle	Medium
PL86	*Schleichera oleosa*	Leaves	2	Upper	High
PL89	*Schleichera oleosa*	Leaves	1	Low	Low
PL90	*Schleichera oleosa*	Fruit	2	Upper	High
PL91	*Schleichera oleosa*	Leaves	3	Upper	High
PL92	*Schleichera oleosa*	Fruit	3	Upper	High
PL93	*Schleichera oleosa*	Leaves	3	Low	Low
PL95	*Schleichera oleosa*	Leaves	2	Middle	Medium

PL100	*Schleichera oleosa*	Leaves	4	Low	Low
PL101	*Schleichera oleosa*	Leaves	4	Middle	High
PL102	*Schleichera oleosa*	Leaves	4	Upper	High
PL112	*Schleichera oleosa*	Leaves	2	Low	Low
PL113	*Schleichera oleosa*	Fruit	5	Middle	Medium
PL120	*Schleichera oleosa*	Leaves	5	Middle	Medium
PL167	*Schleichera oleosa*	Leaves	6	Middle	Medium
PL168	*Schleichera oleosa*	Fruit	6	Middle	Medium
PL169	*Schleichera oleosa*	Leaves	5	Upper	High
PL170	*Schleichera oleosa*	Fruit	5	Upper	High
PL13	*Streblus asper*	Leaves	1	Middle	Medium
PL26	*Streblus asper*	Leaves	3	Upper	High
PL27	*Streblus asper*	Leaves	3	Middle	Medium
PL134ii	*Streblus asper*	Leaves	3	Low	Medium
PL28	*Streblus asper*	Leaves	2	Upper	High
PL29	*Streblus asper*	Leaves	2	Middle	Medium
PL34	*Streblus asper*	Leaves	1	Upper	High
PL83	*Streblus asper*	Leaves	1	Low	Low
PL164	*Streblus asper*	Leaves	2	Low	Low
PL8	*Szygium cumini*	Unripe fruit	1	Middle	Medium
PL9	*Szygium cumini*	Leaves	1	Middle	Medium
PL14	*Szygium cumini*	Unripe fruit	2	Upper	High
PL15	*Szygium cumini*	Leaves	2	Upper	High
PL76	*Szygium cumini*	Fruit	2	Upper	High
PL77	*Szygium cumini*	Fruit	1	Low	Low
PL78	*Szygium cumini*	Leaves	1	Low	Low
PL84	*Szygium cumini*	Leaves	1	Upper	High
PL106	*Szygium cumini*	Fruit	1	Upper	High
PL94	*Szygium cumini*	Fruit	3	Upper	High
PL150	*Szygium cumini*	Fruit	2	Low	Low
PL152	*Szygium cumini*	Leaves	3	Middle	Medium
PL153	*Szygium cumini*	Fruit	3	Middle	Medium
PL154	*Szygium cumini*	Leaves	3	Low	Low
PL155	*Szygium cumini*	Fruit	3	Low	Low
PL4	*Tamarindus indica*	Leaf shoots	1	Middle	Medium
PL5	*Tamarindus indica*	Leaves	1	Middle	Medium
PL6	*Tamarindus*	Flowers	3	Upper	High

	indica				
PL7	*Tamarindus indica*	Leaves	3	Upper	High
PL23	*Tamarindus indica*	Flowers	3	Medium	Middle
PL24	*Tamarindus indica*	Leaves	3	Medium	Middle
PL32	*Tamarindus indica*	Flowers	2	Middle	Medium
PL33	*Tamarindus indica*	Leaves	2	Middle	Medium
PL35	*Tamarindus indica*	Flowers	2	High	High
PL36	*Tamarindus indica*	Leaves	2	High	High
PL46	*Tamarindus indica*	Leaves	1	Low	Low
PL48	*Tamarindus indica*	Leaves	1	Upper	High
PL49	*Tamarindus indica*	Flowers	1	Upper	High
PL55	*Tamarindus indica*	Flowers	1	Low	Low
PL56	*Tamarindus indica*	Leaves	4	Low	Low
PL80	*Tamarindus indica*	Flowers	2	Low	Low
PL81	*Tamarindus indica*	Leaves	2	Low	Low
PL118	*Tamarindus indica*	Leaves	3	Low	Low
PL119	*Tamarindus indica*	Flowers	3	Low	Low
PL142	*Tamarindus indica*	Flowers	4	Middle	Medium
PL143i	*Tamarindus indica*	Leaves	4	Middle	Medium
PL175	*Tamarindus indica*	Flowers	4	Low	Low
PL59	*Vitex pinnata*	Fruit	1	Low	Medium
PL60	*Vitex pinnata*	Leaves	1	Low	Medium
PL61	*Vitex pinnata*	Flowers	1	Low	Medium
PL30	*Walsura piscida*	Leaves	2	Middle	Medium
PL42	*Walsura piscida*	Leaves	1	Low	Low
PL144i	*Walsura piscida*	Leaves	3	Low	Low
PL144ii	*Walsura piscida*	Leaves	2	Low	Low
PL145i	*Walsura piscida*	Leaves	1	Middle	Medium
PL145ii	*Walsura piscida*	Leaves	3	Middle	Medium
PL149	*Walsura piscida*	Leaves	3	Upper	High

PL148	*Walsura piscida*	Leaf shoots	3	Upper	High
PL165	*Walsura piscida*	Leaves	2	Upper	High
PL172	*Walsura piscida*	Leaves	4	Middle	Low
PL173	*Walsura piscida*	Leaves	1	Upper	High
PL174	*Walsura piscida*	Leaves	4	Low	Low

Table A11. Vegetation samples taken during February 2015 (wet season) by the author with species, plant part, canopy height, and insolation environmental information recorded. Note that each 'sample' is a composite of c. *10 leaves, fruits, flowers at a given point in each tree.*

Sample	**Species**	**Plant part**	**Tree number**	**Canopy height**	**Insolation**
PL186	*Adina cordifolia*	Leaves	1	Middle	Medium
PL203	*Adina cordifolia*	Leaves	2	Middle	Medium
PL204	*Adina cordifolia*	Leaves	1	Low	Low
PL206	*Adina cordifolia*	Leaves	2	Low	Low
PL216	*Adina cordifolia*	Leaves	1	Upper	High
PL219	*Adina cordifolia*	Leaves	2	Upper	High
PL255	*Azadirachta indica*	Leaves	1	Middle	High
PL259	*Azadirachta indica*	Leaves	2	Middle	Medium
PL260	*Azadirachta indica*	Leaves	1	Low	Low
PL262	*Azadirachta indica*	Leaves	3	Low	Low
PL263	*Azadirachta indica*	Leaves	2	Low	Low
PL264	*Azadirachta indica*	Leaves	3	Medium	Medium
PL280	Cyperaceae spp.	Tubers	1	Low	Open
PL281	Cyperaceae spp.	Tubers	2	Low	Open
PL282	Cyperaceae spp.	Tubers	3	Low	Open
PL295	Cyperaceae spp.	Tubers	4	Low	Open
PL181	*Drypetes sepiaria*	Leaves	1	Middle	Medium
PL190	*Drypetes sepiaria*	Leaves	2	Middle	Medium
PL191	*Drypetes sepiaria*	Leaves	1	Low	Low
PL208	*Drypetes sepiaria*	Leaves	2	Low	Low
PL213	*Drypetes sepiaria*	Leaves	3	Middle	Medium
PL215	*Drypetes sepiaria*	Leaves	3	Low	Low
PL182	*Ficus amplissima*	Fruit	1	Middle	Medium
PL177	*Ficus amplissima*	Leaves	1	Middle	Medium
PL185	*Ficus amplissima*	Fruit	2	Middle	Medium
PL214	*Ficus amplissima*	Leaves	2	Middle	Medium
PL188	*Ficus amplissima*	Fruit	1	Low	Low
PL217	*Ficus amplissima*	Leaves	1	Low	Low
PL202	*Ficus amplissima*	Fruit	2	Upper	High
PL212	*Ficus amplissima*	Leaves	2	Upper	High
PL209	*Ficus amplissima*	Fruit	3	Middle	Medium
PL211	*Ficus amplissima*	Leaves	3	Middle	Medium
PL210	*Ficus amplissima*	Fruit	3	Upper	High
PL201	*Ficus amplissima*	Leaves	3	Upper	High
PL183	*Ficus benghalensis*	Fruit	1	Low	Low
PL273	*Ficus benghalensis*	Leaves	1	Low	Low
PL196	*Ficus benghalensis*	Fruit	2	Low	Low
PL274	*Ficus benghalensis*	Leaves	2	Low	Low
PL194	*Ficus benghalensis*	Fruit	1	Upper	High
PL272	*Ficus benghalensis*	Leaves	1	Upper	High
PL193	*Ficus benghalensis*	Fruit	1	Middle	Medium
PL229	*Ficus benghalensis*	Leaves	1	Middle	Medium

PL195	*Ficus benghalensis*	Fruit	2	Upper	High
PL197	*Ficus benghalensis*	Fruit	2	Medium	Middle
PL241	*Ficus benghalensis*	Leaves	2	Medium	Middle
PL179	*Ficus benghalensis*	Leaves	2	Upper	High
PL187	*Garcinia spicata*	Leaves	1	Low	Low
PL192	*Garcinia spicata*	Leaves	1	Middle	Medium
PL205	*Garcinia spicata*	Leaves	2	Low	Low
PL218	*Garcinia spicata*	Leaves	2	Middle	Medium
PL258	*Garcinia spicata*	Leaves	3	Middle	Medium
PL261	*Garcinia spicata*	Leaves	3	Low	Low
PL199	*Glycosmis pentophylla*	Leaf shoots	1	Low	Low
PL200	*Glycosmis pentophylla*	Leaf shoots	2	Low	Medium
PL221	*Glycosmis pentophylla*	Leaf shoots	3	Low	Low
PL222	*Glycosmis pentophylla*	Leaf shoots	4	Low	Low
PL224	*Glycosmis pentophylla*	Leaf shoots	5	Low	Medium
PL178	*Manilkara hexandra*	Leaves	1	Upper	High
PL184	*Manilkara hexandra*	Leaves	1	Low	Low
PL189	*Manilkara hexandra*	Leaves	2	Middle	Medium
PL227	*Manilkara hexandra*	Leaves	2	Upper	High
PL226	*Manilkara hexandra*	Leaves	3	Middle	Medium
PL234	*Manilkara hexandra*	Leaves	1	Middle	Medium
PL198	*Mimosa pudica*	Leaves	1	Low	Low
PL223	*Mimosa pudica*	Leaves	2	Low	Low
PL247	*Schleichera oleosa*	Leaves	1	Low	Low
PL285	*Schleichera oleosa*	Leaves	2	Low	Low
PL288	*Schleichera oleosa*	Leaves	3	Low	Low
PL242	*Schleichera oleosa*	Leaves	1	Middle	Medium
PL266	*Schleichera oleosa*	Leaves	3	Middle	Medium
PL269	*Schleichera oleosa*	Leaves	1	Upper	High
PL271	*Schleichera oleosa*	Leaves	3	Upper	High
PL248	*Schleichera oleosa*	Leaves	2	Middle	Medium
PL251	*Schleichera oleosa*	Leaf shoots	3	Low	Low
PL289	*Schleichera oleosa*	Leaf shoots	1	Low	Low
PL291	*Schleichera oleosa*	Leaf shoots	2	Low	Low
PL249	*Schleichera oleosa*	Leaf shoots	1	Upper	High
PL270	*Schleichera oleosa*	Leaf shoots	3	Upper	High
PL267	*Schleichera oleosa*	Leaf shoots	2	Middle	Medium
PL268	*Schleichera oleosa*	Leaf shoots	1	Middle	Medium

PL290	*Schleichera oleosa*	Leaf shoots	3	Middle	Medium
PL207	*Streblus asper*	Leaves	1	Low	Low
PL233	*Streblus asper*	Leaves	2	Low	Low
PL180	*Streblus asper*	Leaves	1	Upper	High
PL228	*Streblus asper*	Leaves	3	Low	Low
PL230	*Streblus asper*	Leaves	2	Middle	Medium
PL231	*Streblus asper*	Leaves	1	Middle	Medium
PL235	*Szygium cumini*	Leaves	1	Upper	High
PL237	*Szygium cumini*	Leaves	1	Middle	Medium
PL292	*Szygium cumini*	Leaves	1	Low	Low
PL244	*Szygium cumini*	Leaves	2	Low	Low
PL239	*Szygium cumini*	Leaves	3	Middle	Medium
PL245	*Szygium cumini*	Leaves	3	Low	Low
PL238	*Tamarindus indica*	Leaves	1	Middle	Medium
PL240	*Tamarindus indica*	Leaves	2	Low	Low
PL243	*Tamarindus indica*	Leaves	1	Low	Low
PL276	*Tamarindus indica*	Leaves	3	Low	Low
PL278	*Tamarindus indica*	Leaves	2	Middle	Medium
PL232	*Vitex pinnata*	Leaves	1	Low	Low
PL236	*Vitex pinnata*	Leaves	1	Middle	Medium
PL283	*Vitex pinnata*	Leaves	2	Low	Low
PL284	*Vitex pinnata*	Leaves	3	Low	Low
PL293	*Vitex pinnata*	Leaves	3	Middle	Medium
PL294	*Vitex pinnata*	Leaves	2	Middle	Medium
PL256	*Walsura piscida*	Leaves	1	Low	Low
PL277	*Walsura piscida*	Leaves	2	Low	Low
PL265	*Walsura piscida*	Leaves	2	Middle	Medium
PL257	*Walsura piscida*	Leaves	1	Middle	Medium
PL253	*Walsura piscida*	Leaves	3	Low	Low
PL254	*Walsura piscida*	Leaves	3	Middle	Medium
PL252	*Walsura piscida*	Flowers	1	Low	Low
PL250	*Walsura piscida*	Flowers	2	Low	Low
PL286	*Walsura piscida*	Flowers	3	Low	Low
PL275	*Walsura piscida*	Flowers	1	Middle	Medium
PL279	*Walsura piscida*	Flowers	2	Middle	Medium
PL287	*Walsura piscida*	Flowers	2	Low	Low

Catalogue B – Figures and tables associated with "Chapter 6: Stable isotope ecologies in the Sri Lankan Microlithic"

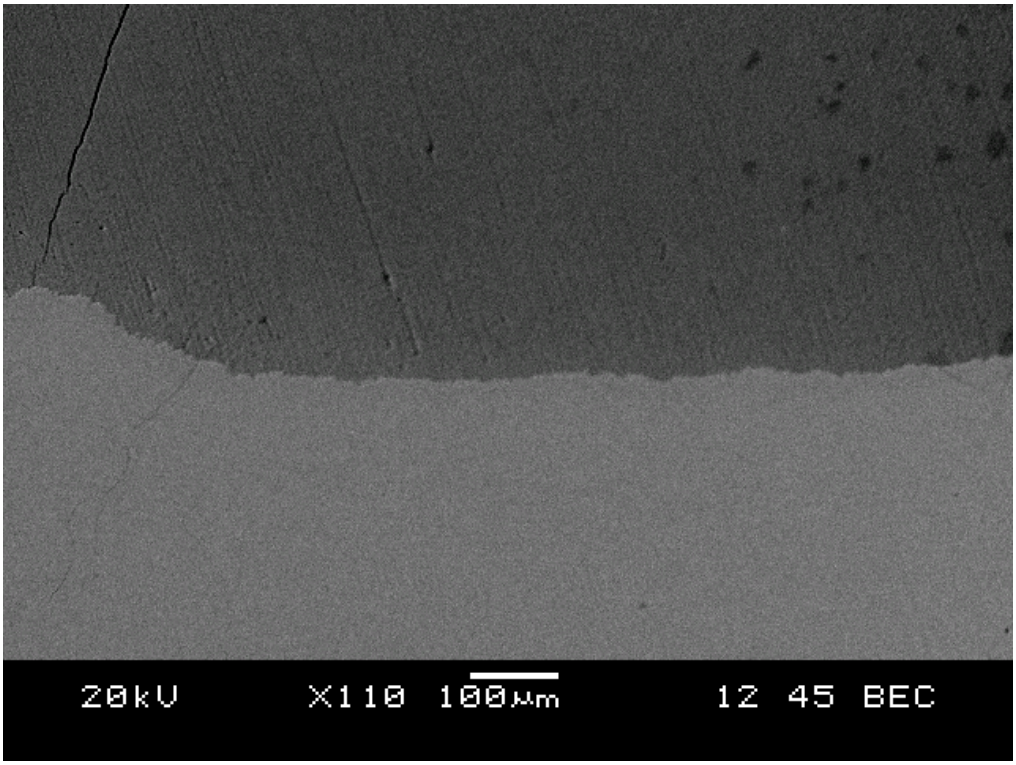

Figure B1. Picture of BK 35 enamel (lighter) – dentine (darker) transition study area taken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode. Sample analysed at 20kV and a working distance of 9mm.

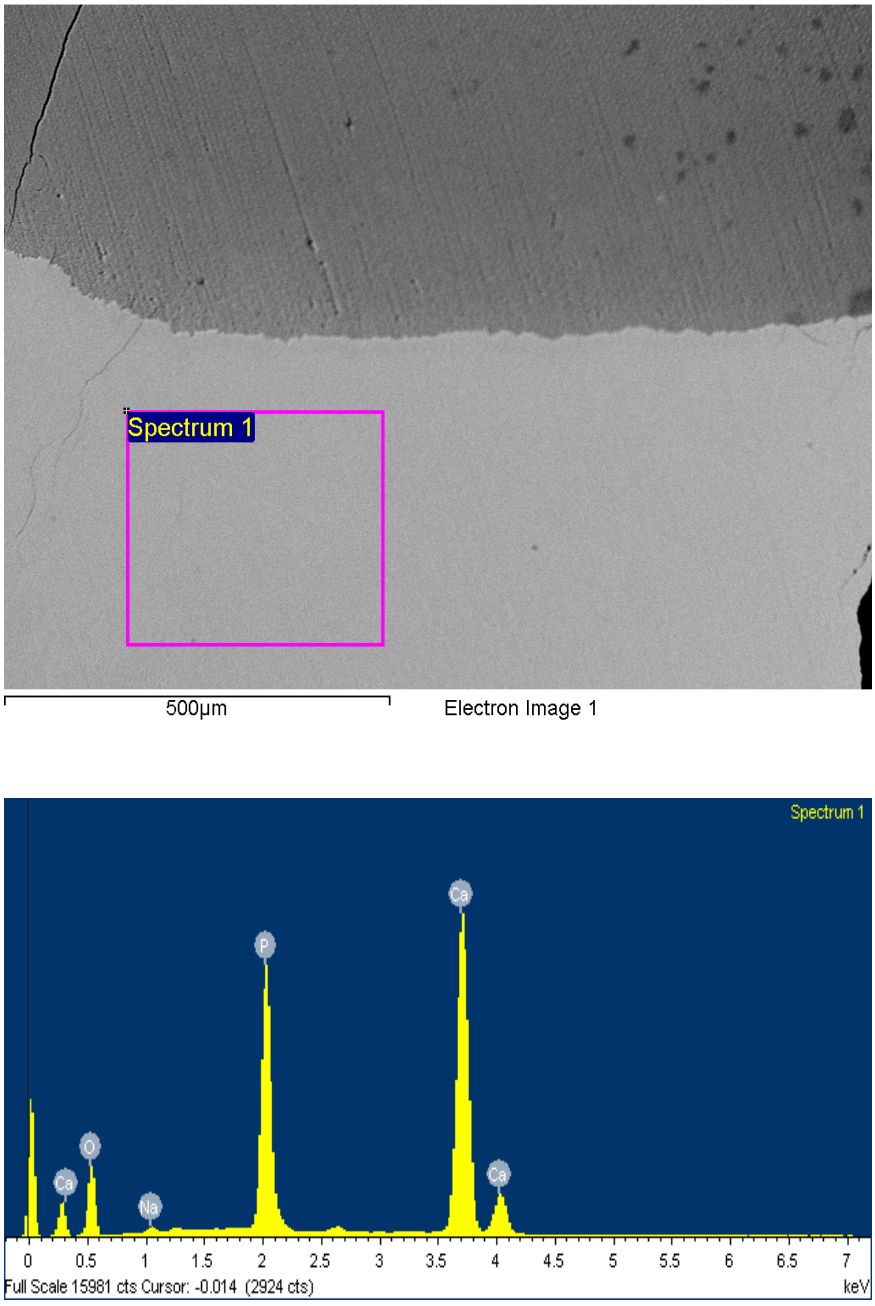

Figure B2. Picture of first enamel sample region for BK 35. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

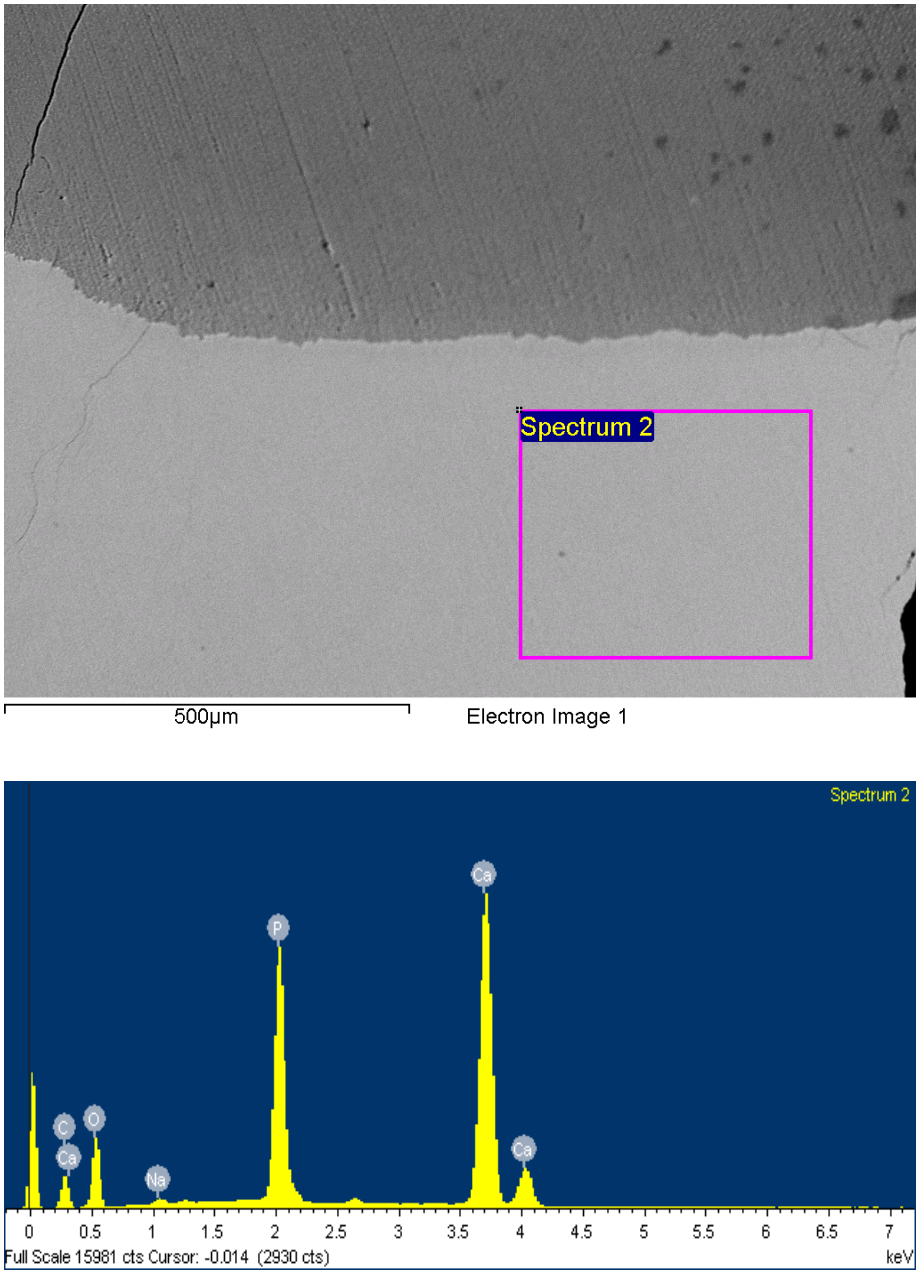

Figure B3. Picture of second enamel sample region for BK 35. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

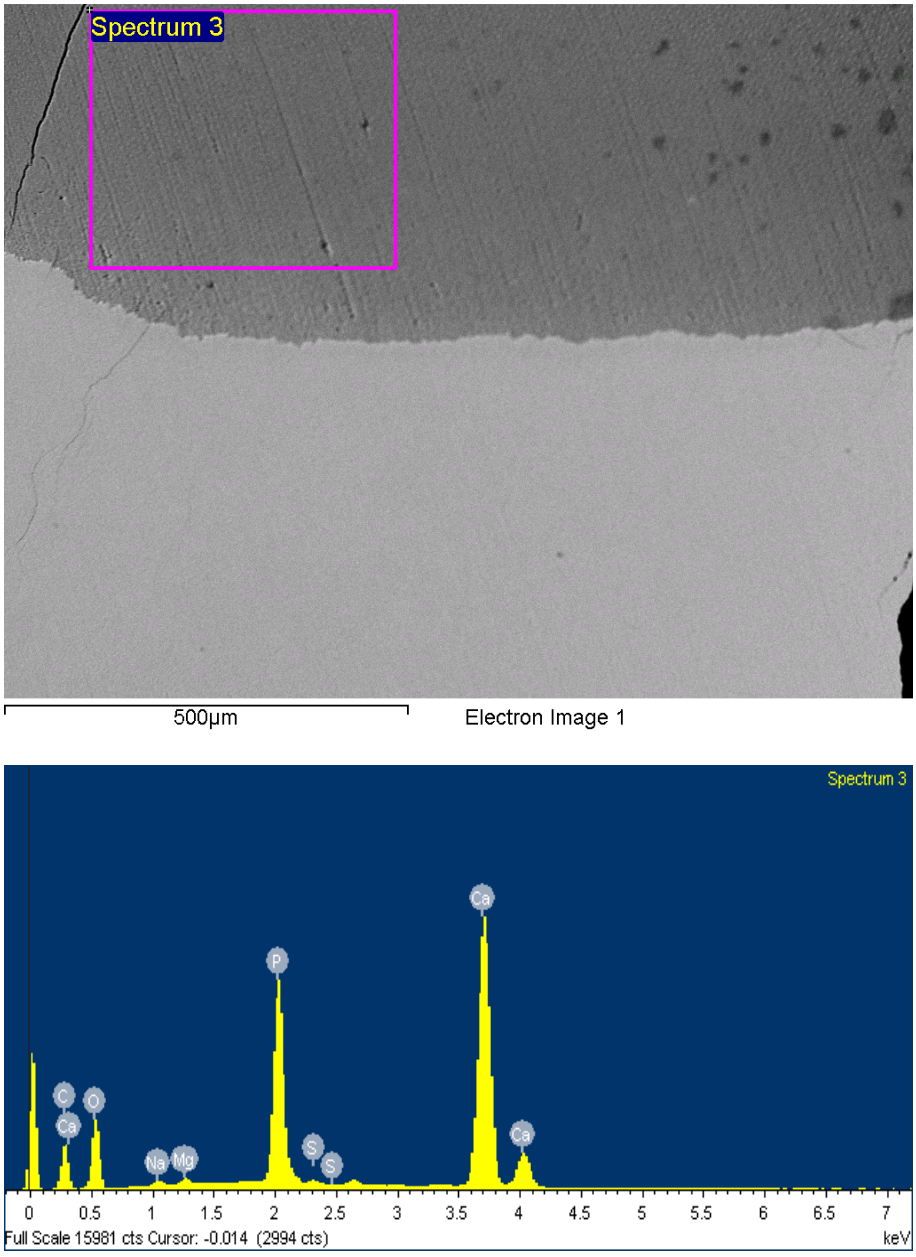

Figure B4. Picture of first dentine sample region for BK 35. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

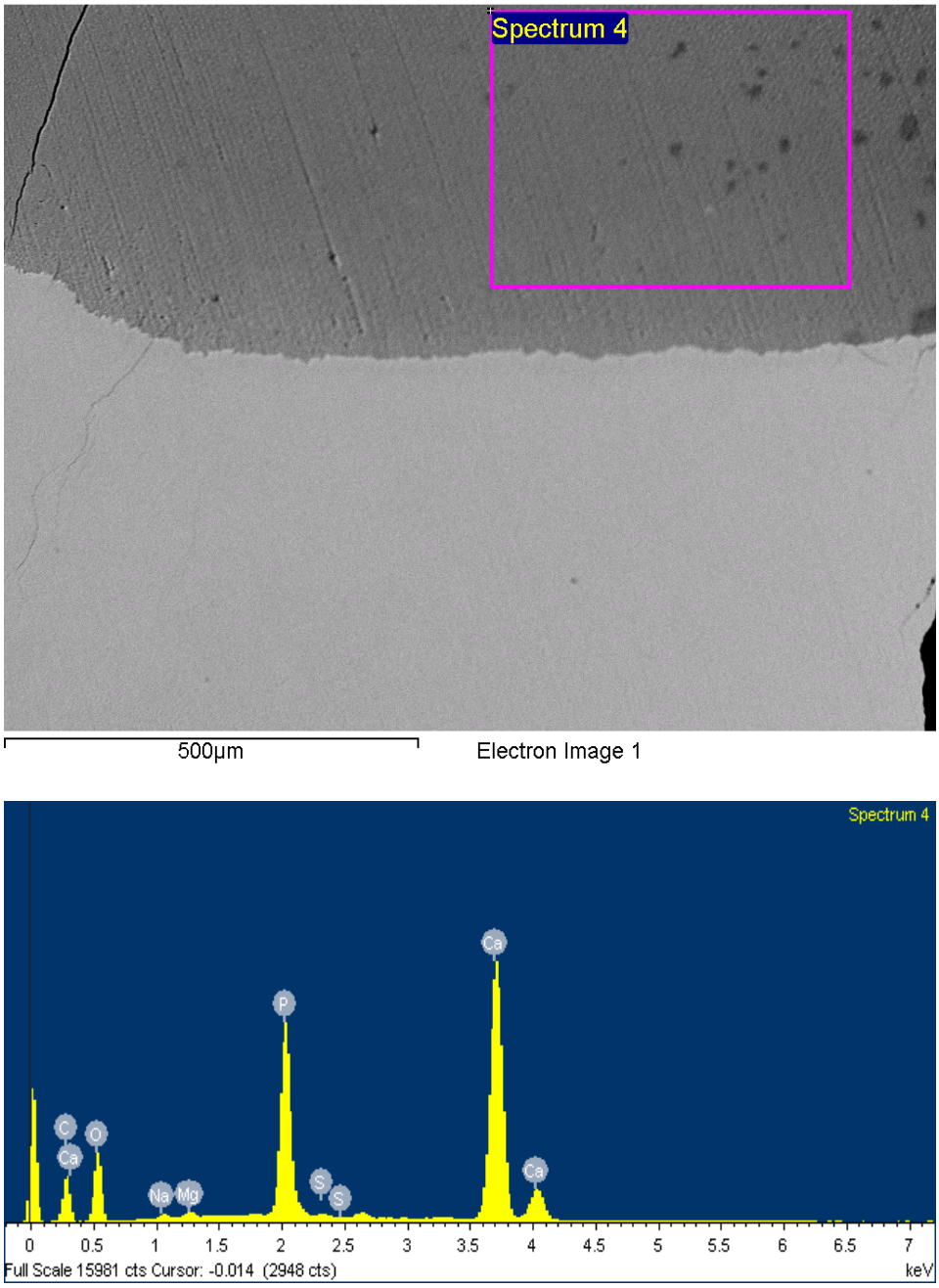

Figure B5. Picture of second dentine sample region for BK 35. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

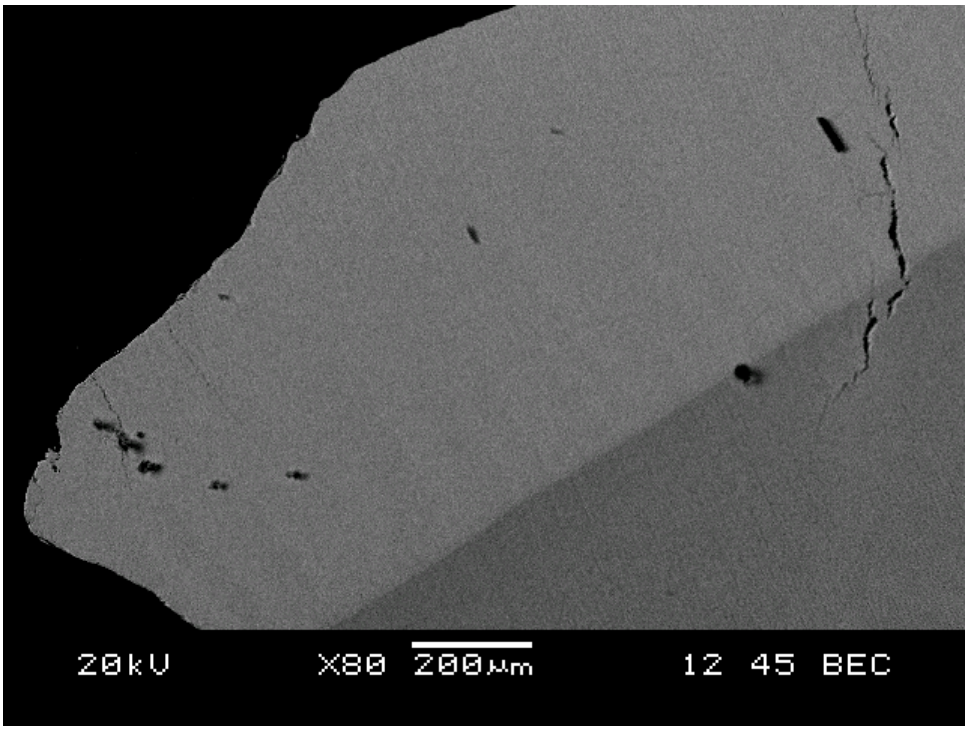

Figure B6. Picture of BBP 21 enamel (lighter) – dentine (darker) transition study area taken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode. Sample analysed at 20kV and a working distance of 9mm.

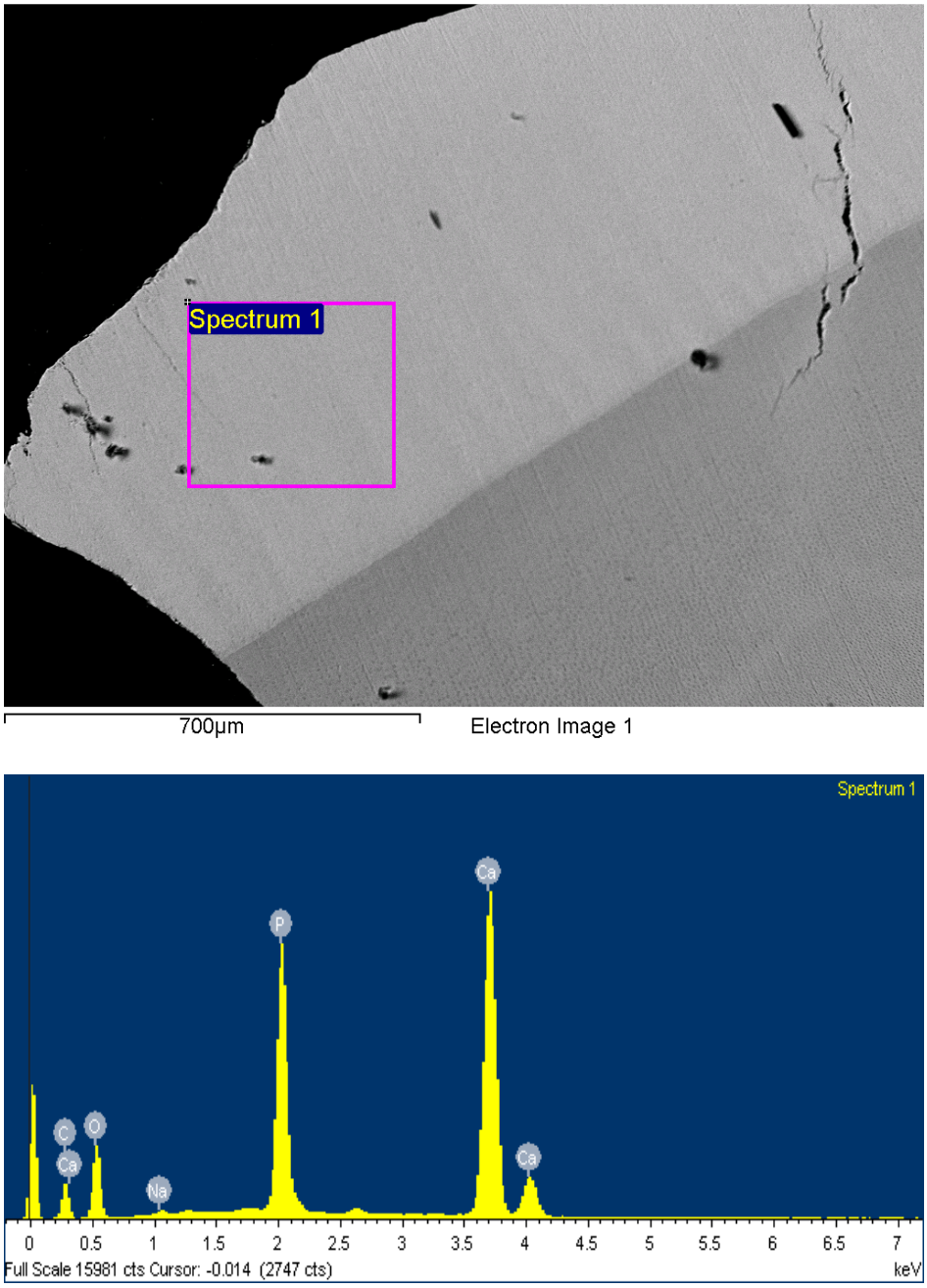

Figure B7. Picture of first enamel sample region for BBP 21. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

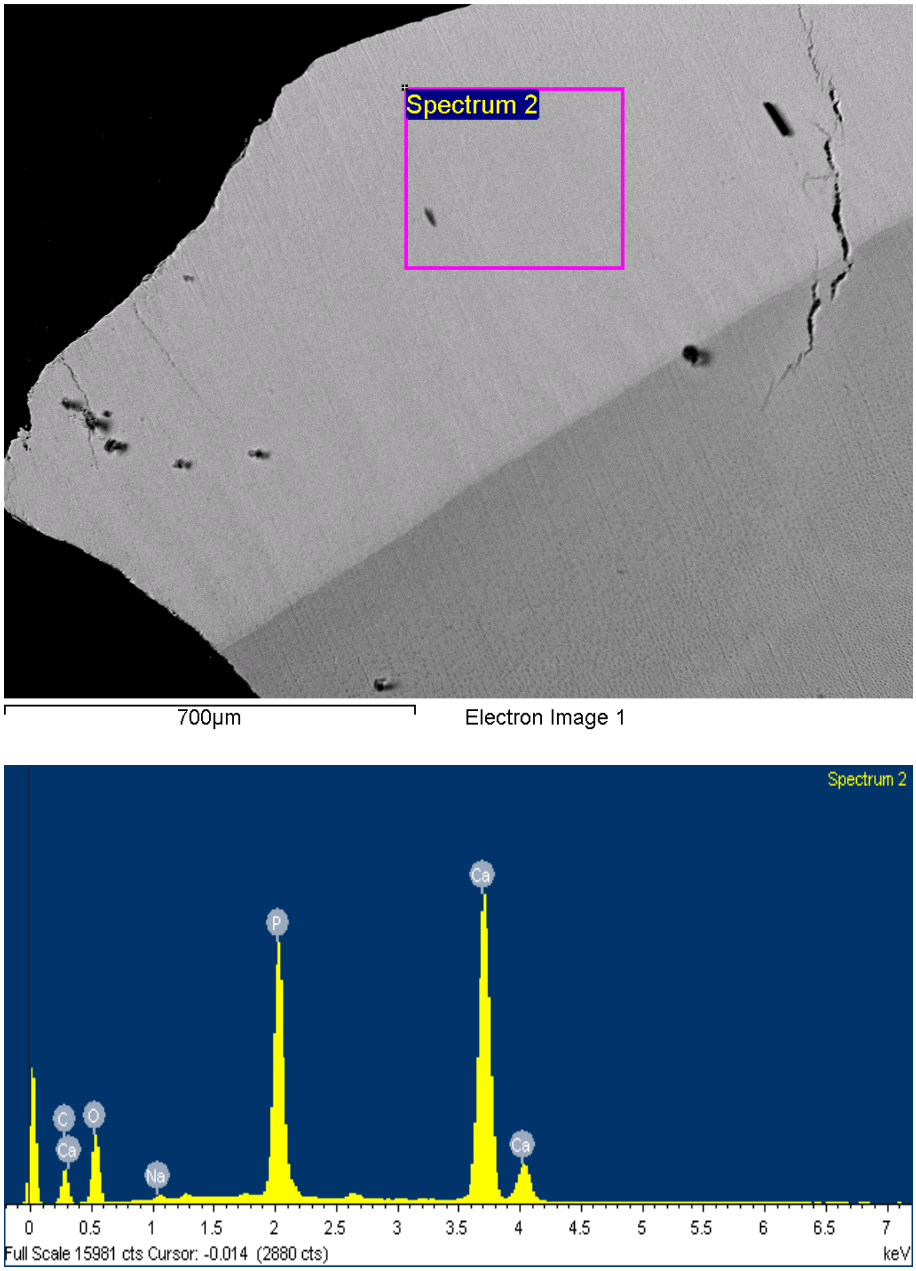

Figure B8. Picture of second enamel sample region for BBP 21. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

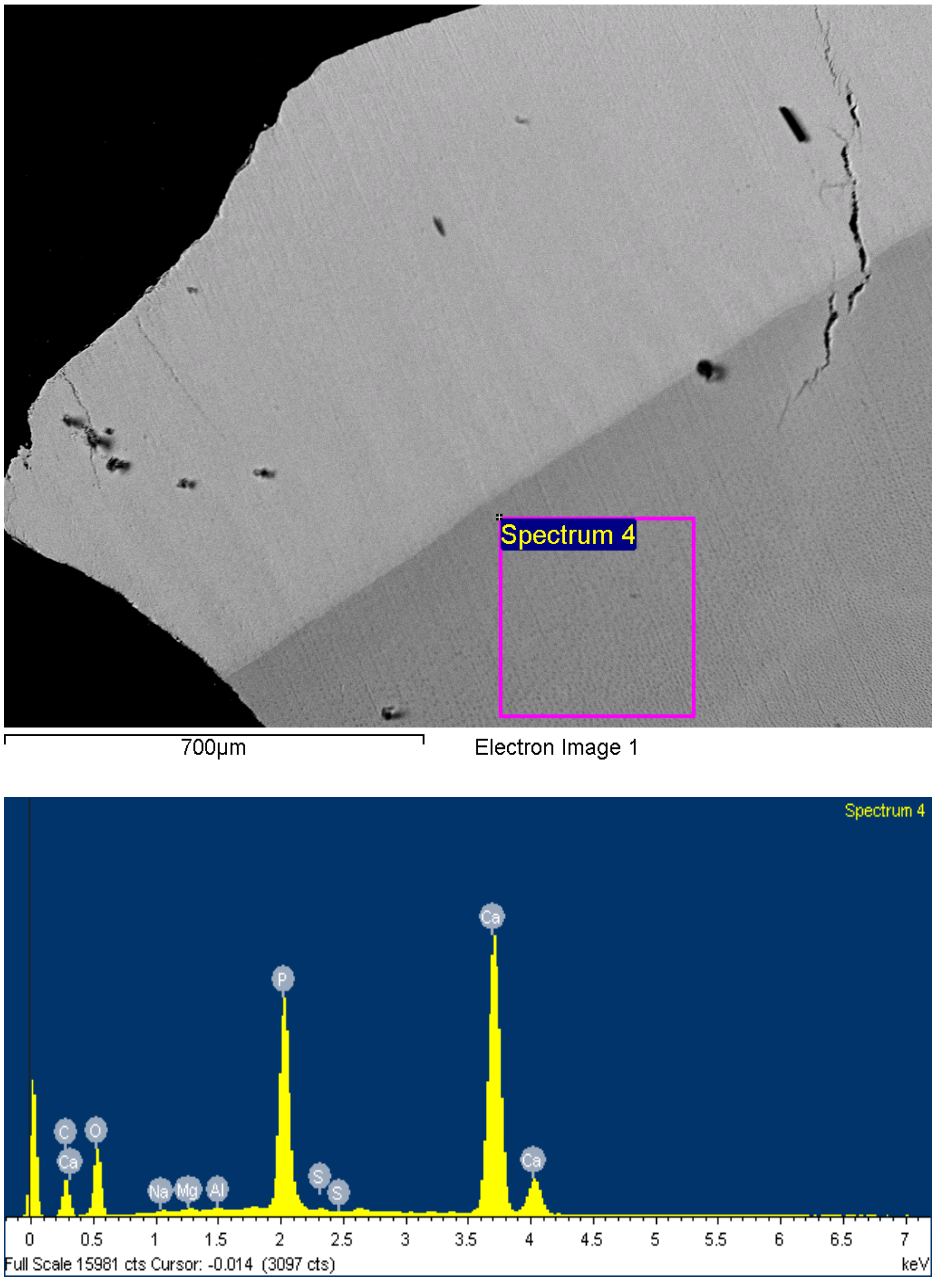

Figure B9. Picture of first dentine sample region for BBP 21. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

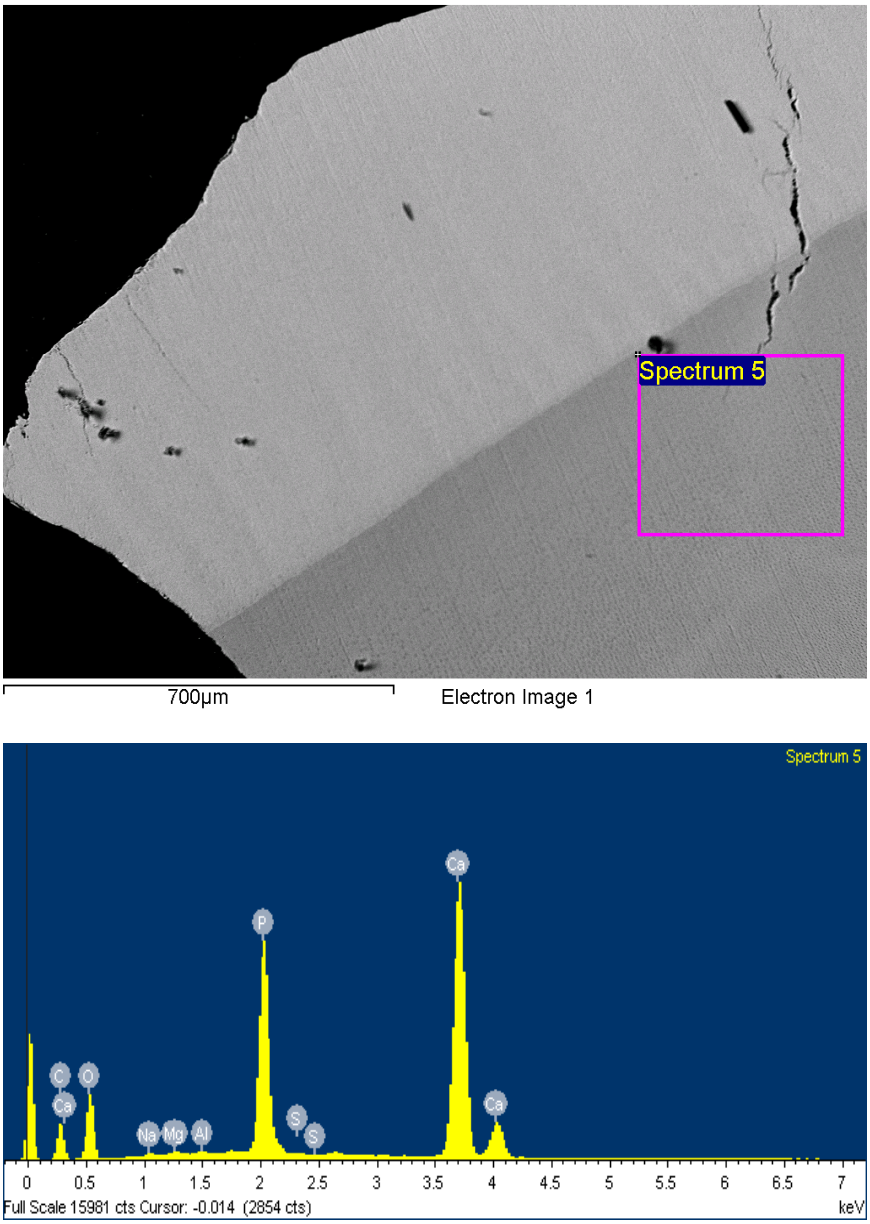

Figure B10. Picture of second dentine sample region for BBP 21. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

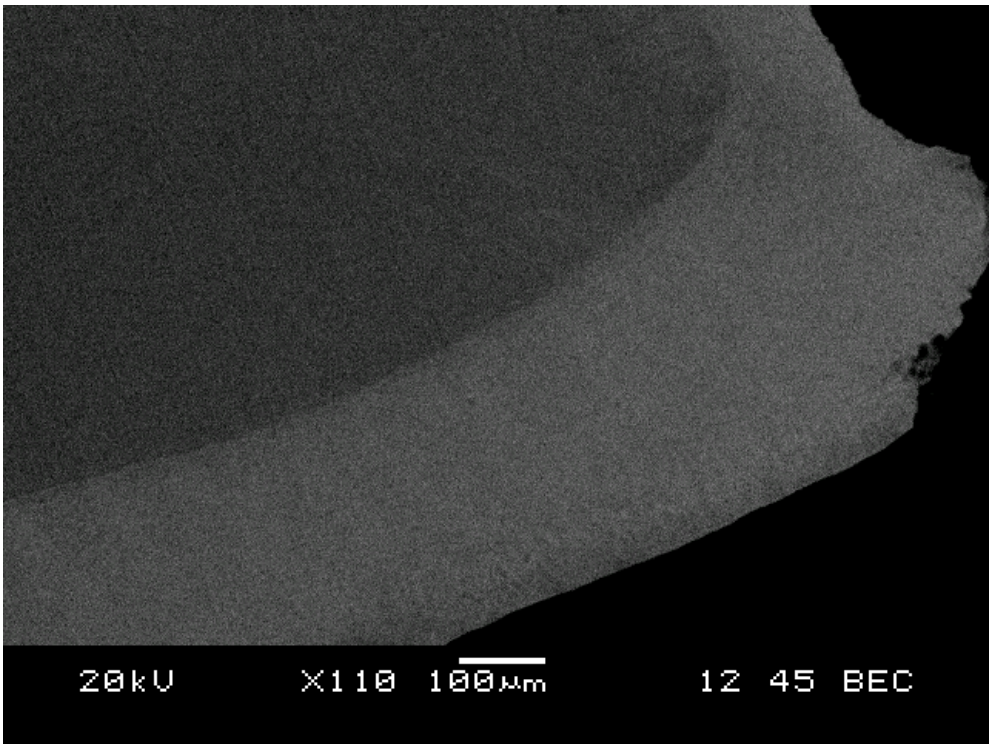

Figure B11. Picture of BBP 28 enamel (lighter) – dentine (darker) transition study area taken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode. Sample analysed at 20kV and a working distance of 9mm.

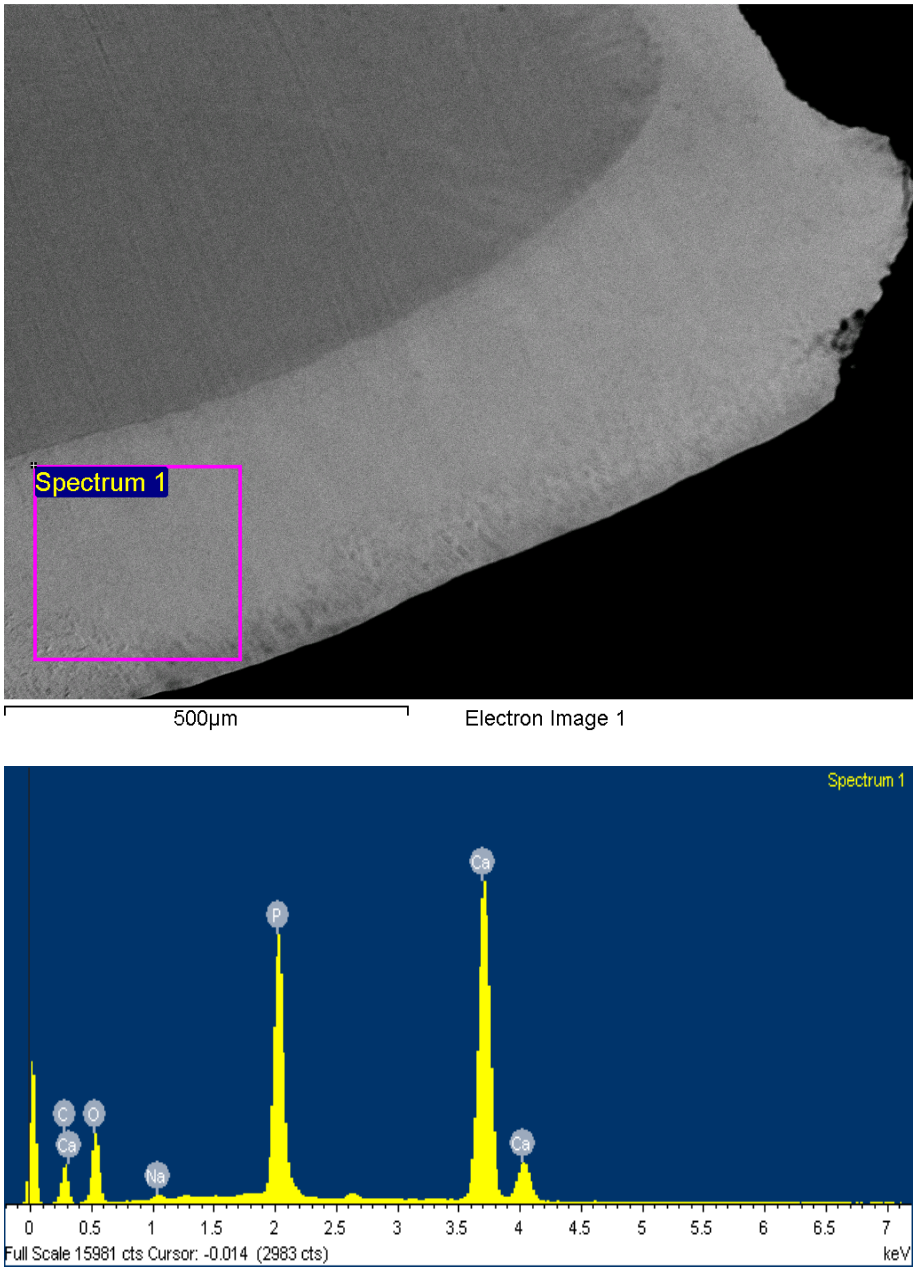

Figure B12. Picture of first enamel sample region for BBP 28. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

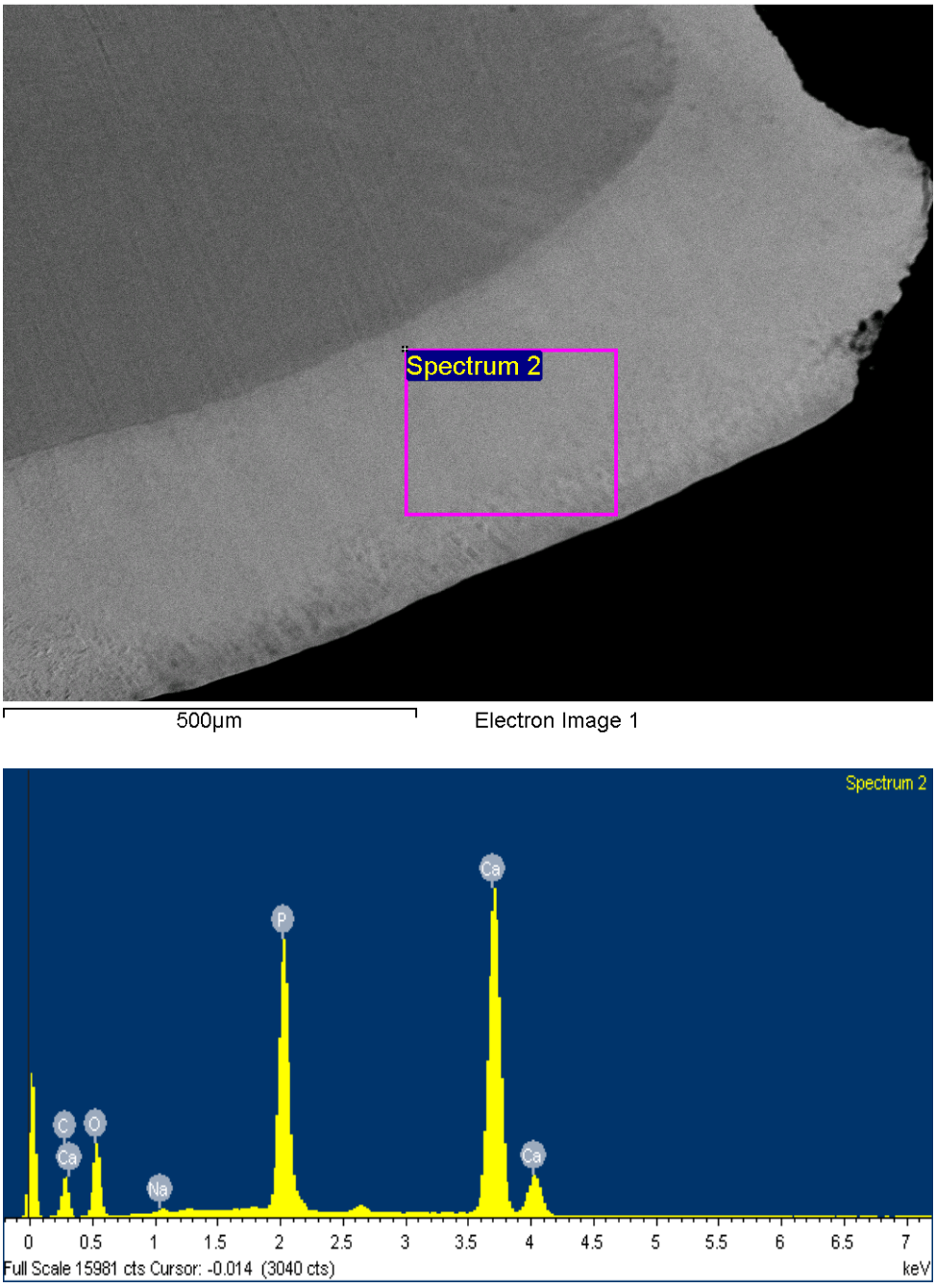

Figure B13. Picture of second enamel sample region for BBP 28. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

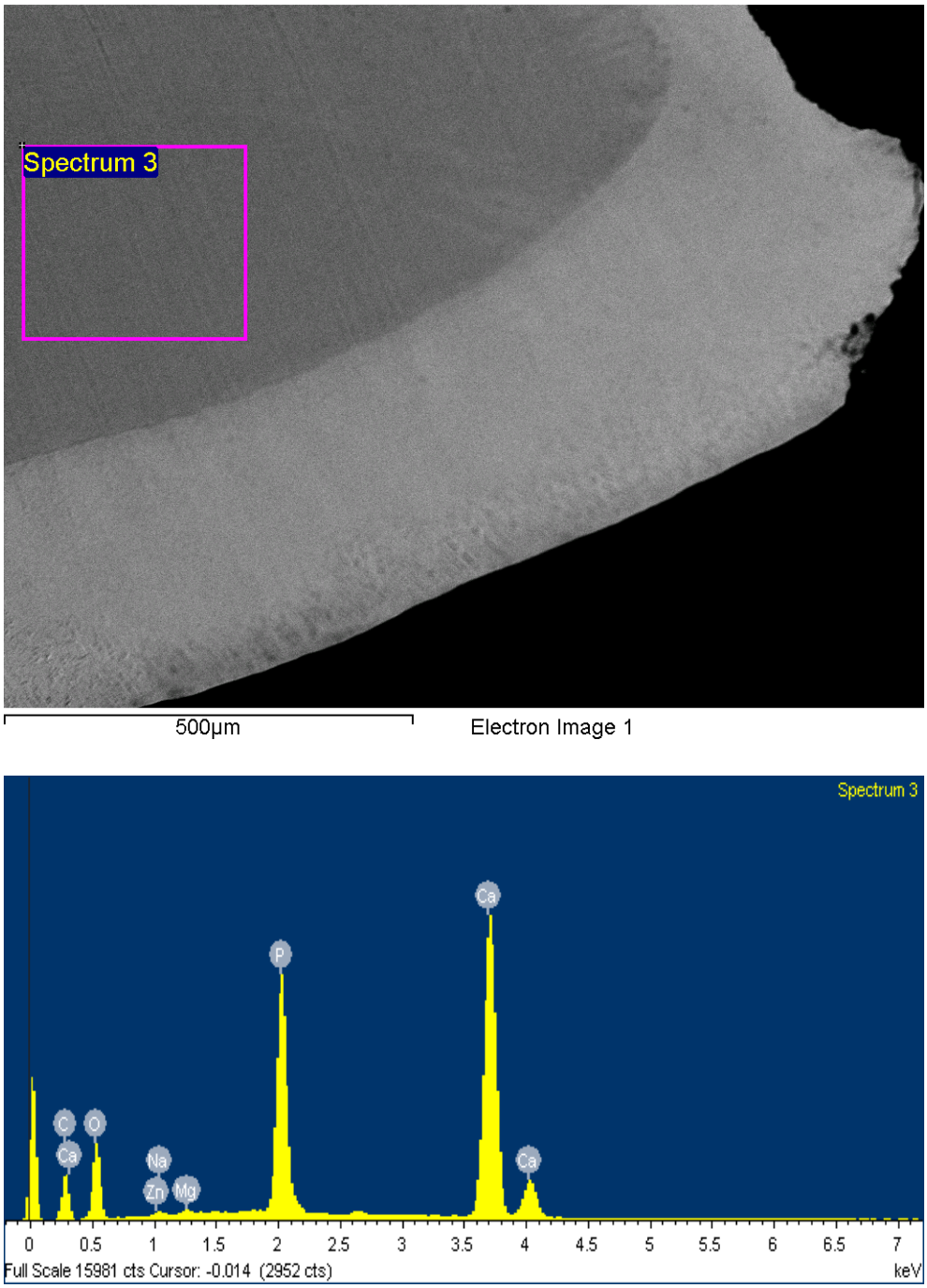

Figure B14. Picture of first dentine sample region for BBP 28. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

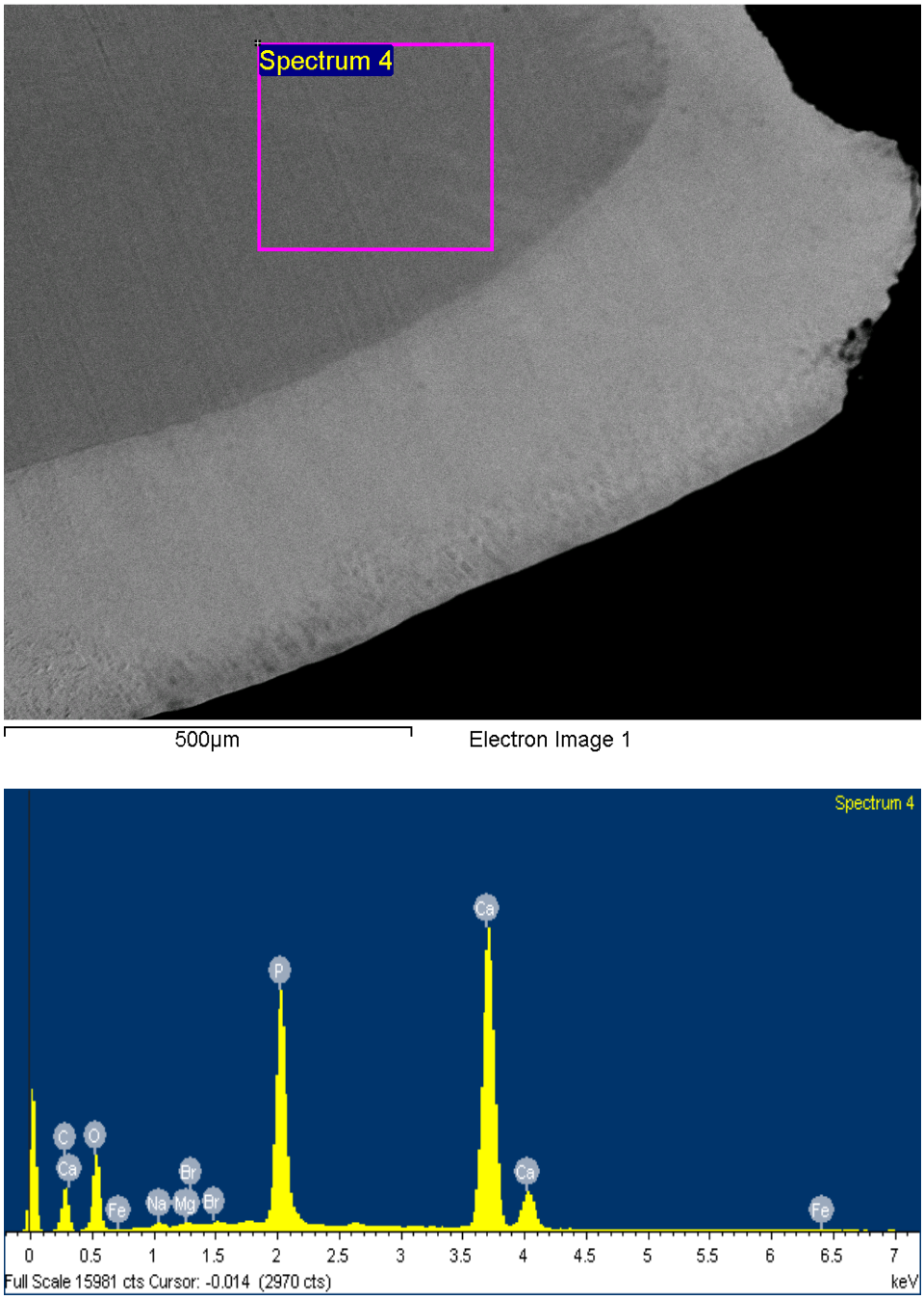

Figure B15. Picture of second dentine sample region for BBP 28. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

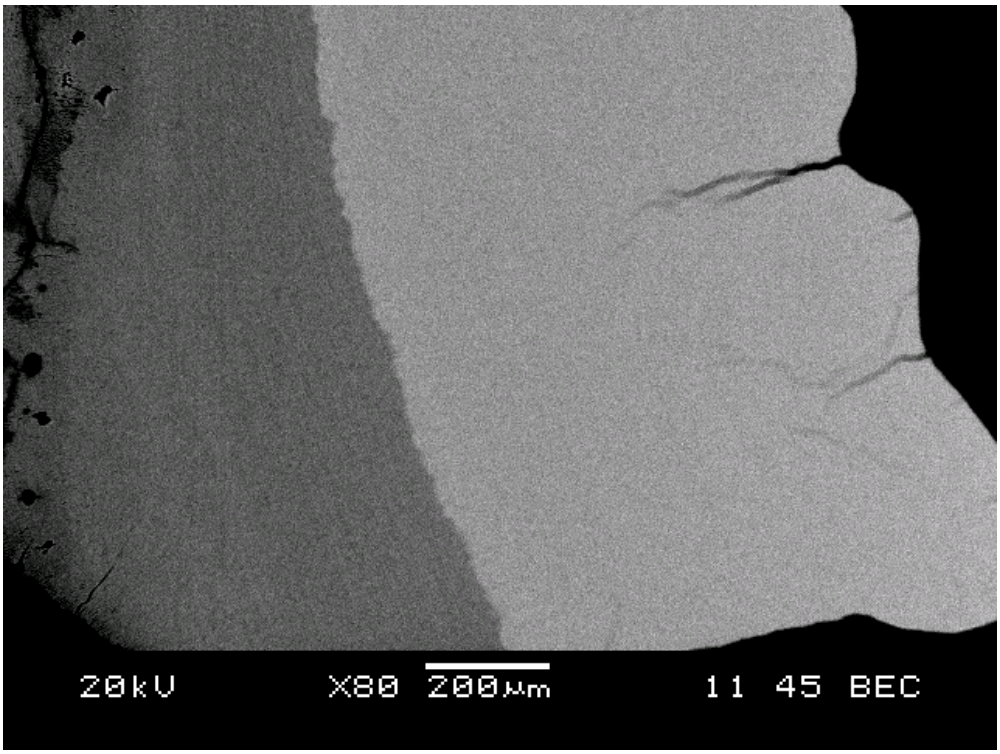

Figure B16. Picture of BBP 23 enamel (lighter) – dentine (darker) transition study area taken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode. Sample analysed at 20kV and a working distance of 9mm.

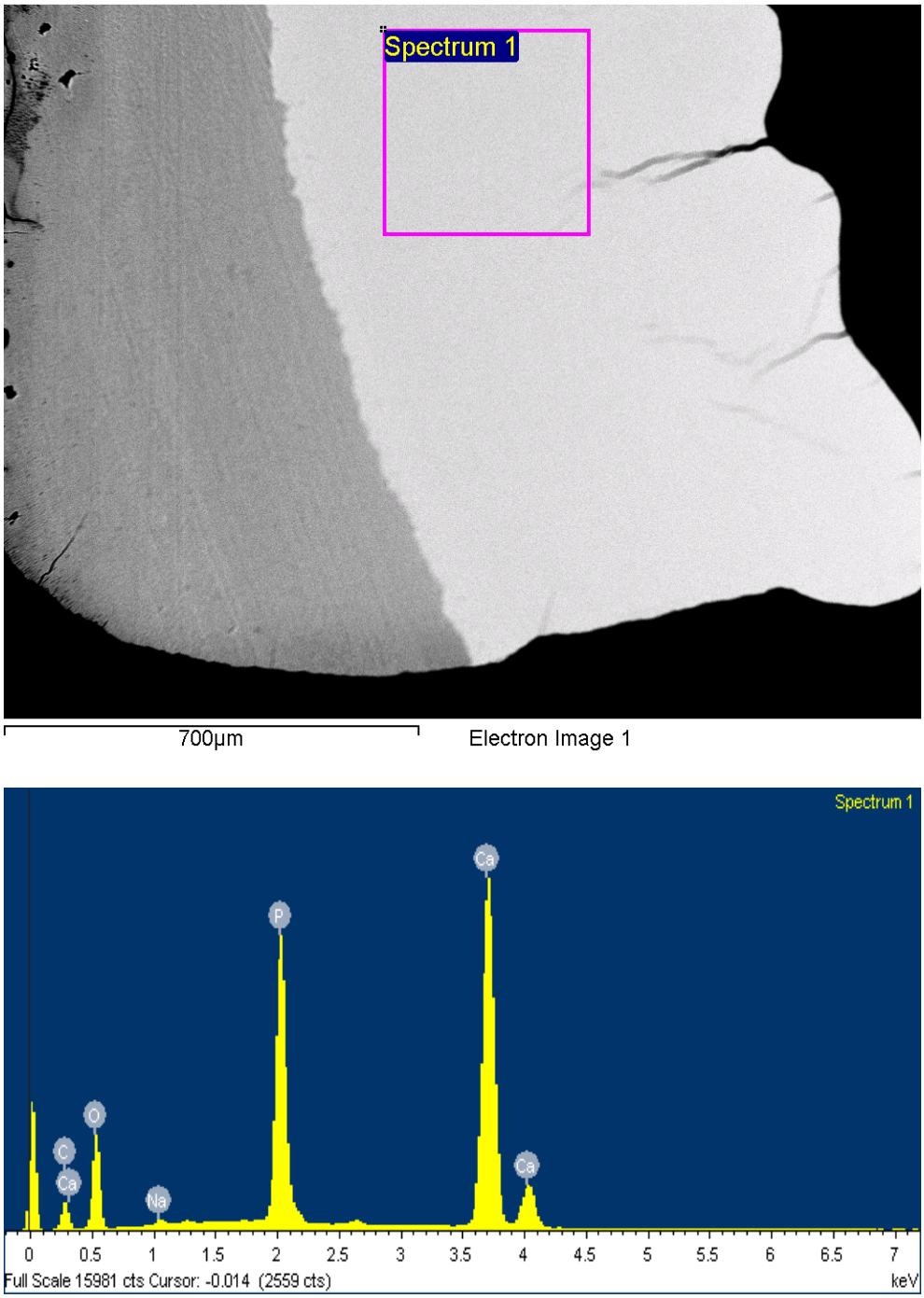

Figure B17. Picture of first enamel sample region for BBP 23. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

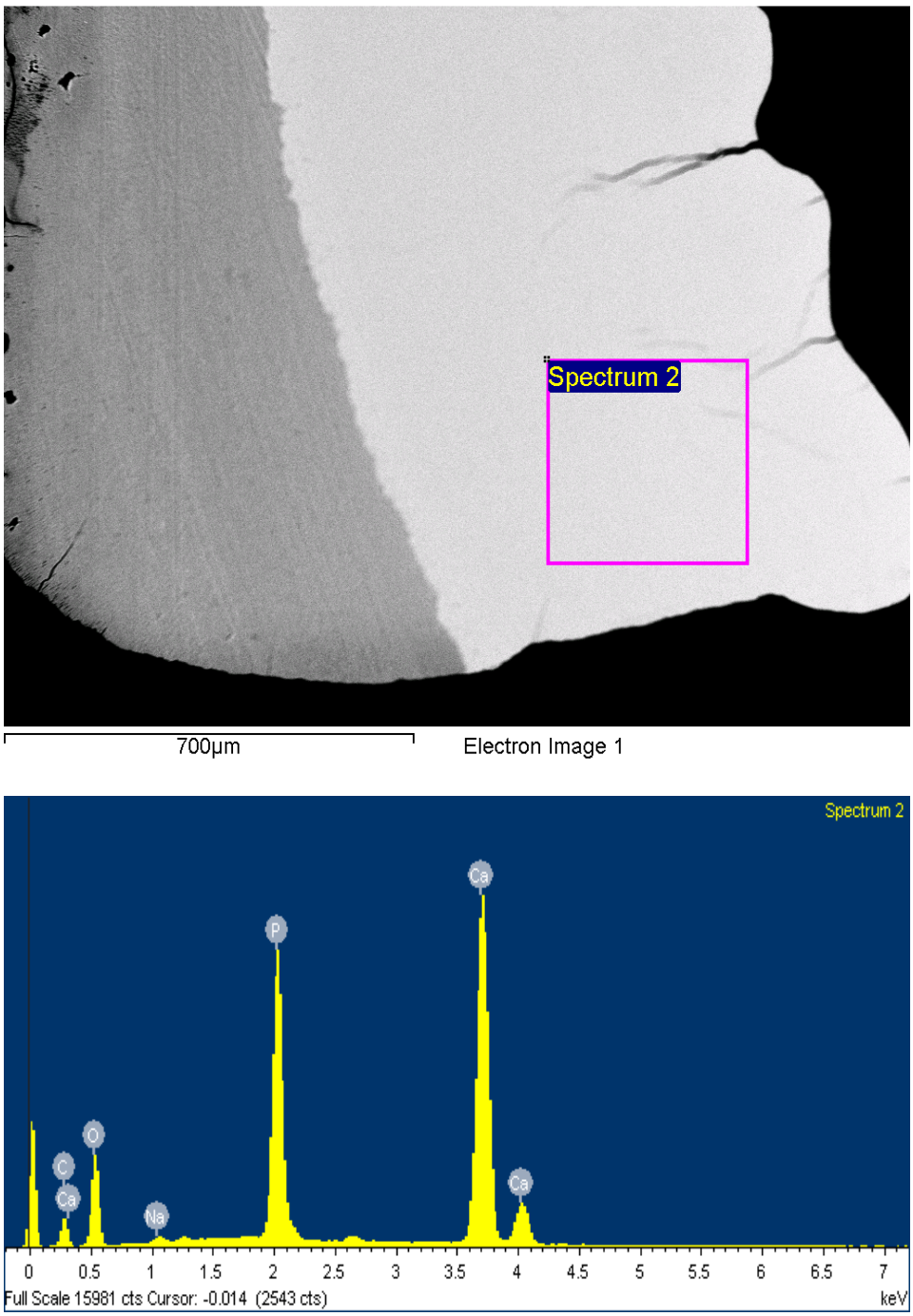

Figure B18. Picture of second enamel sample region for BBP 23. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

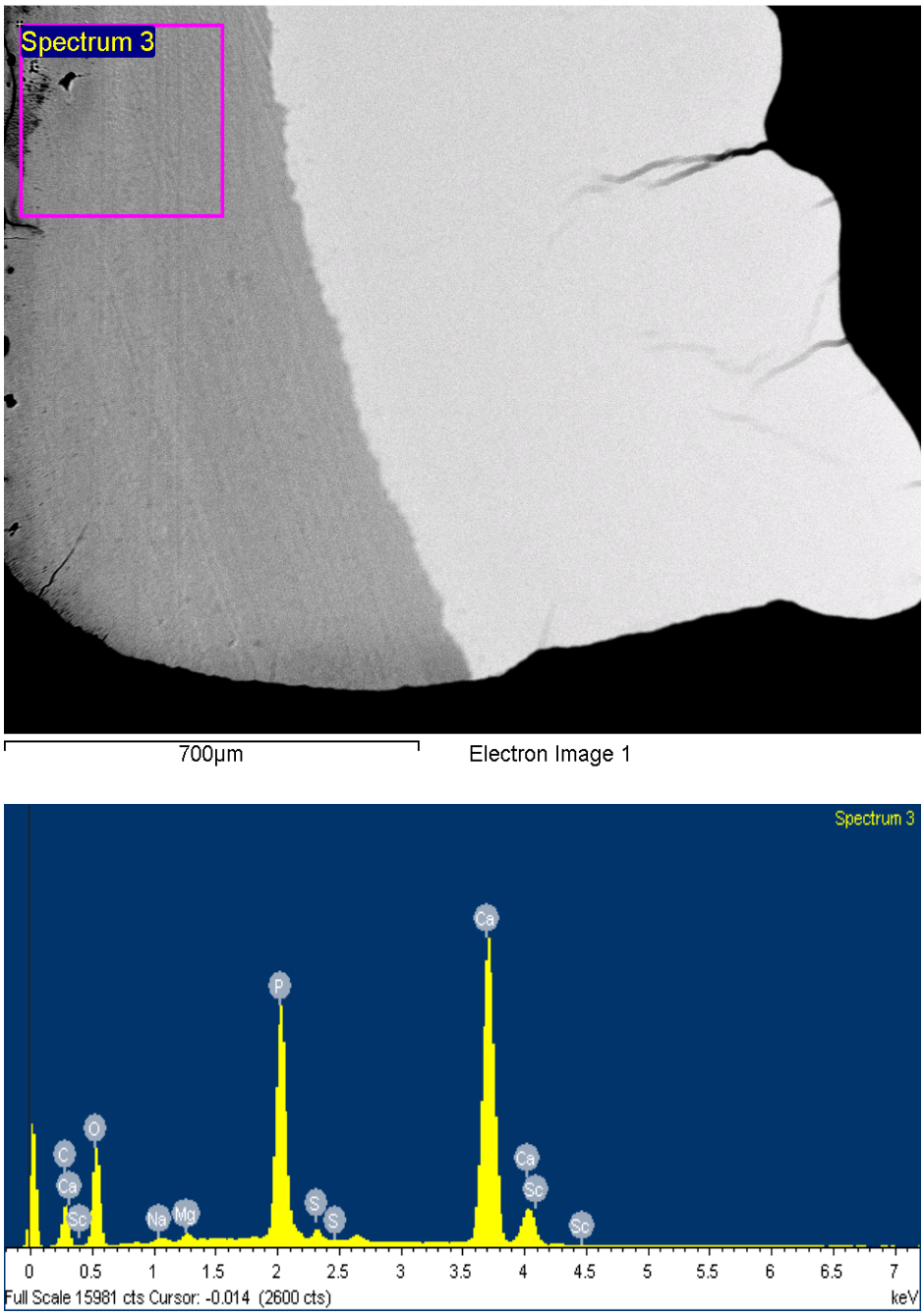

Figure B19. Picture of first dentine sample region for BBP 23. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

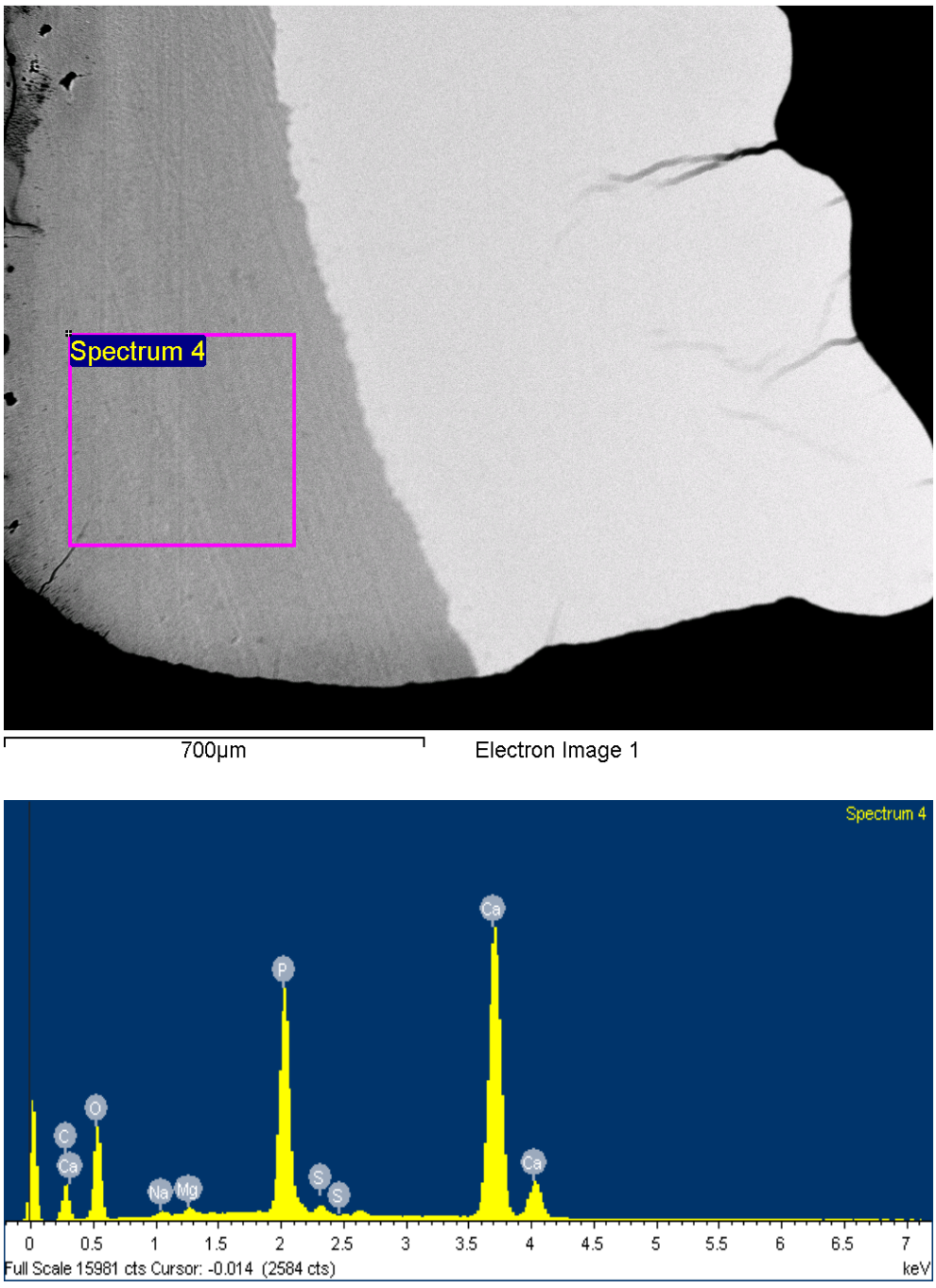

Figure B20. Picture of second dentine sample region for BBP 23. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

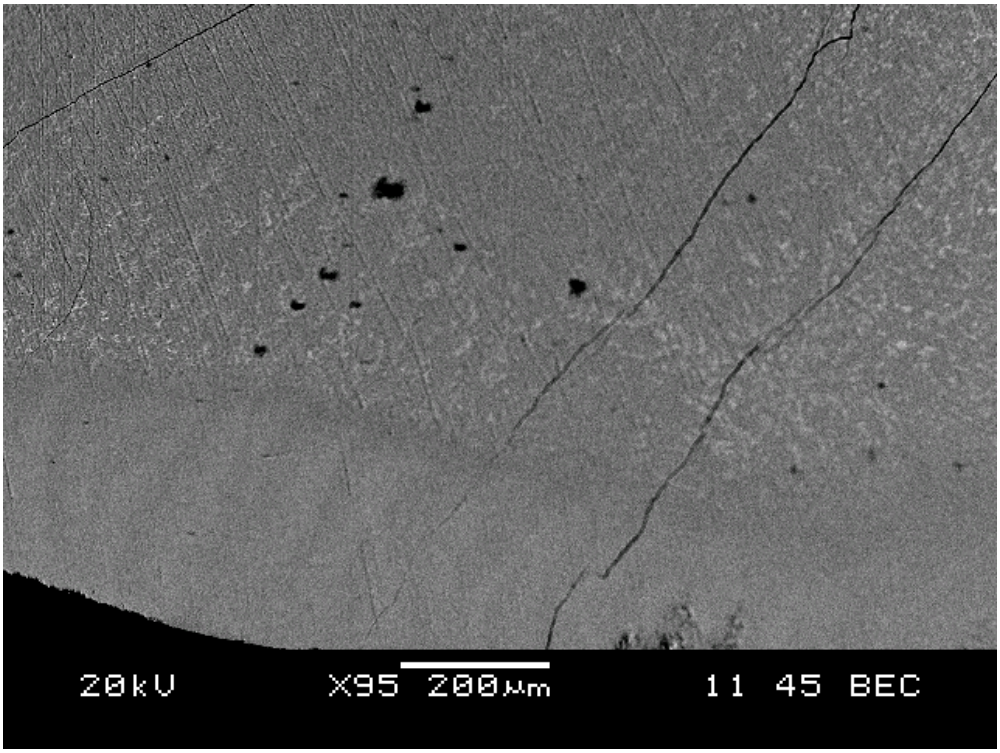

Figure B21. Picture of BDL 8 enamel (lighter) – dentine (darker) transition study area taken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode. Sample analysed at 20kV and a working distance of 9mm.

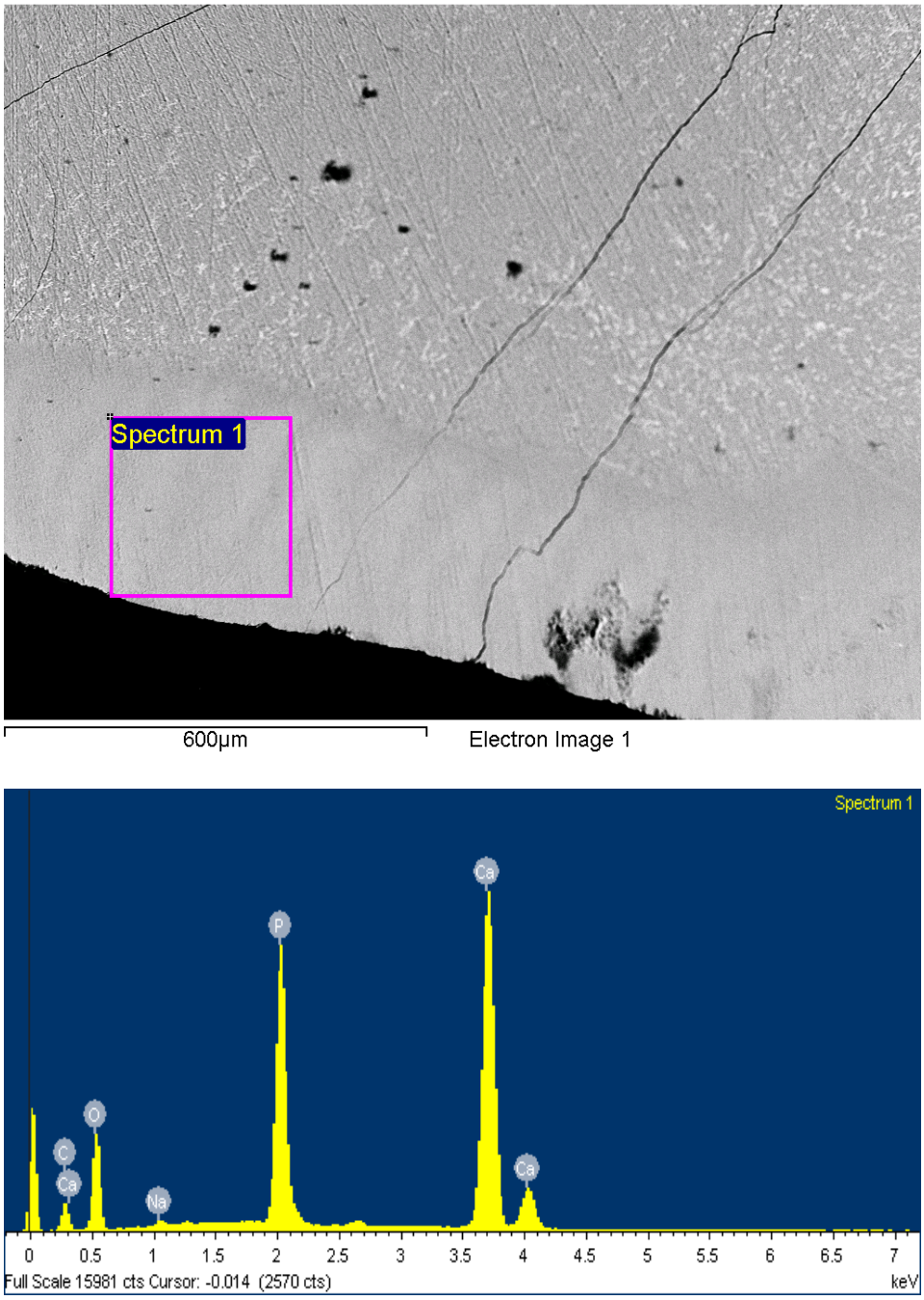

Figure B22. Picture of first enamel sample region for BDL 8. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

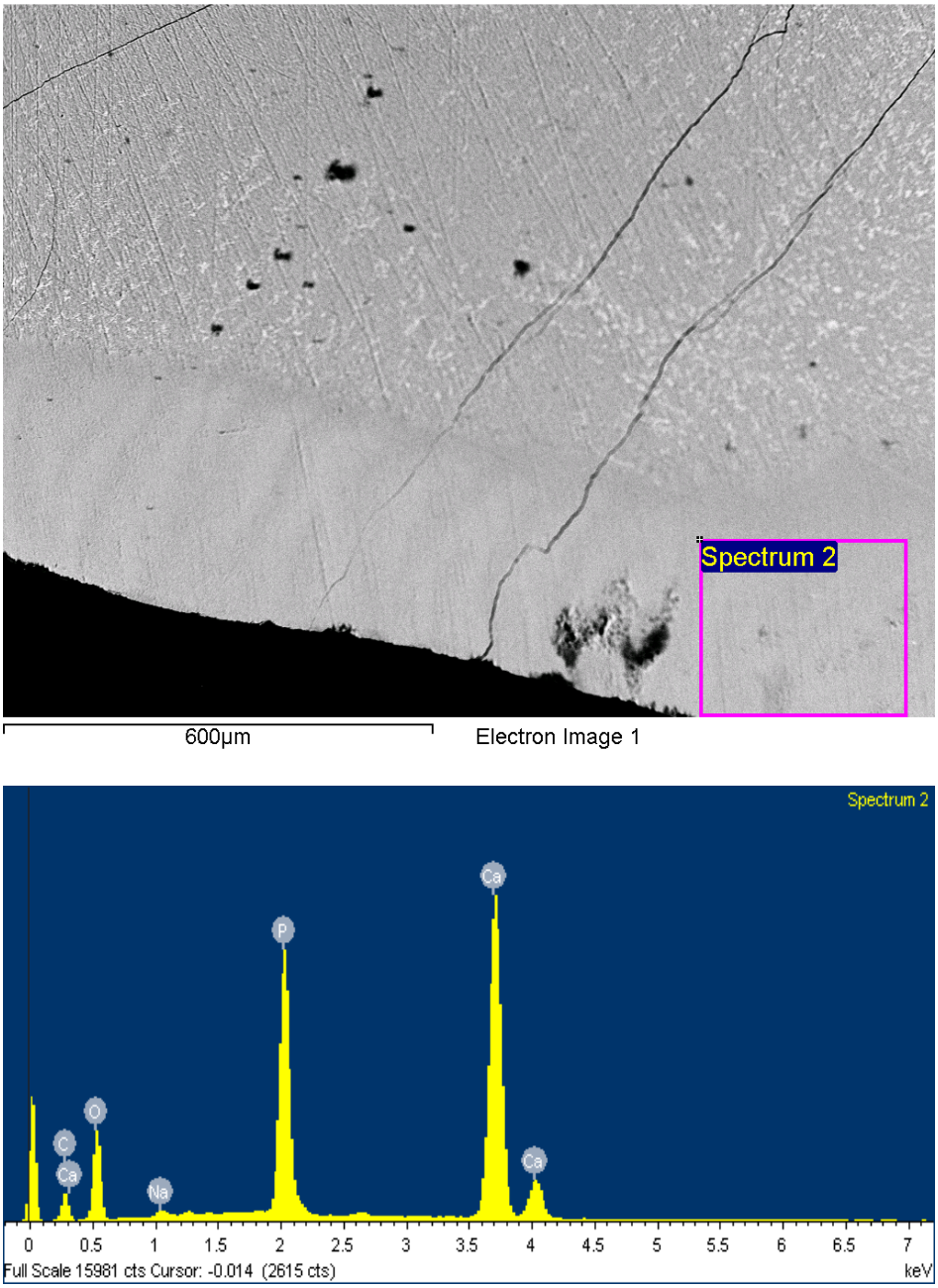

Figure B23. Picture of second enamel sample region for BDL 8. Analysis undertakenusing a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

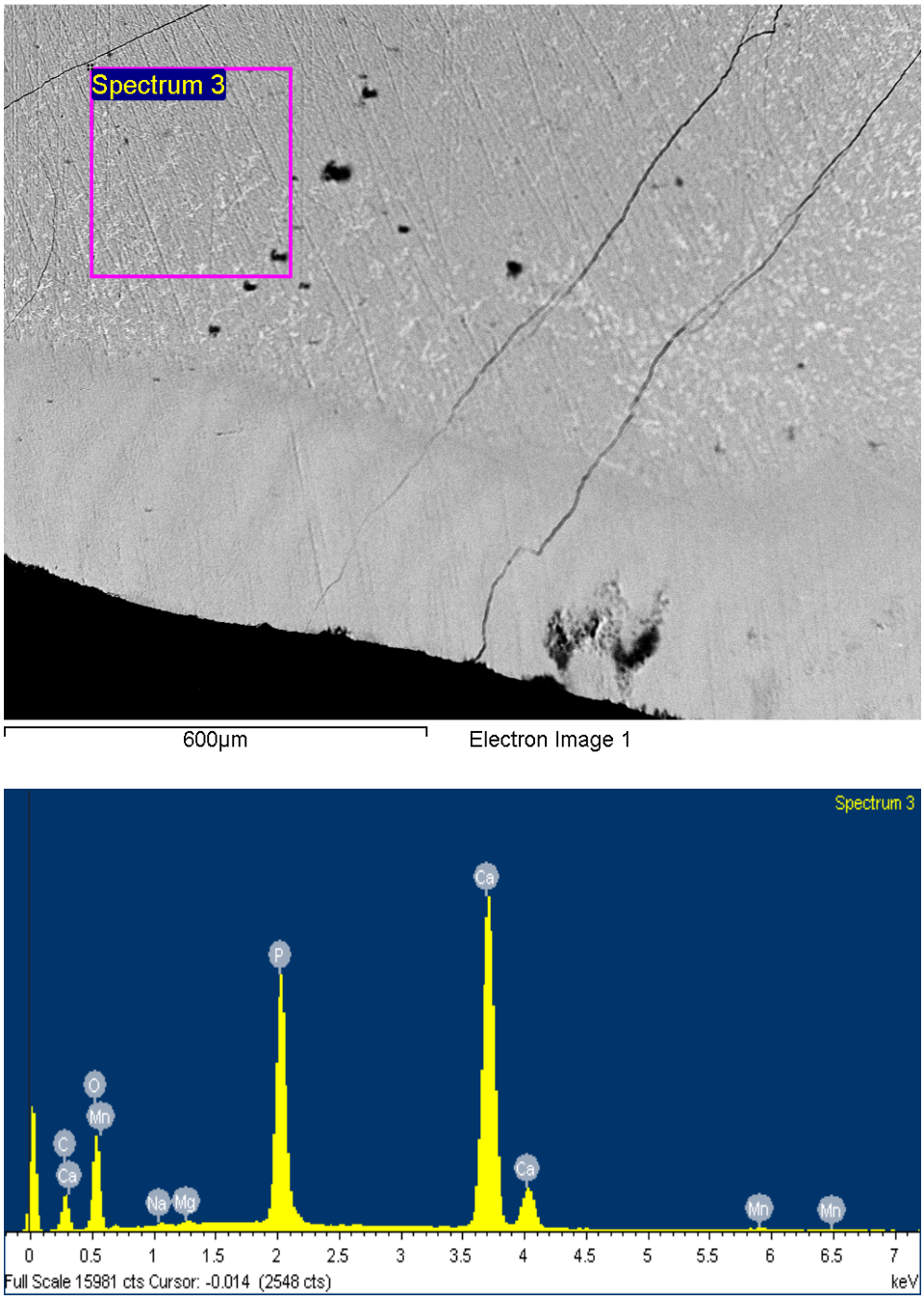

Figure B24. Picture of first dentine sample region for BDL 8. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

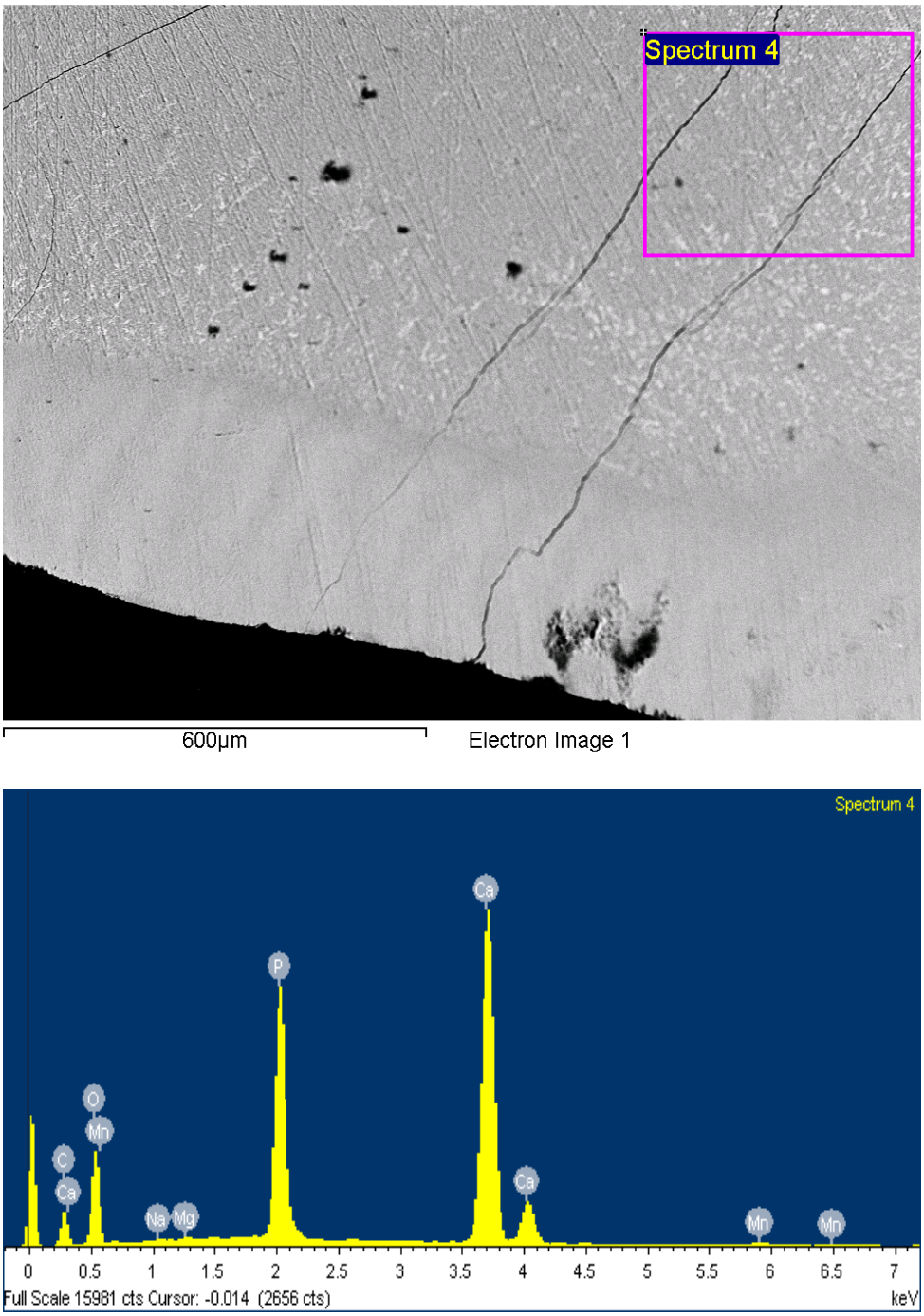

Figure B25. Picture of second dentine sample region for BDL 8. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

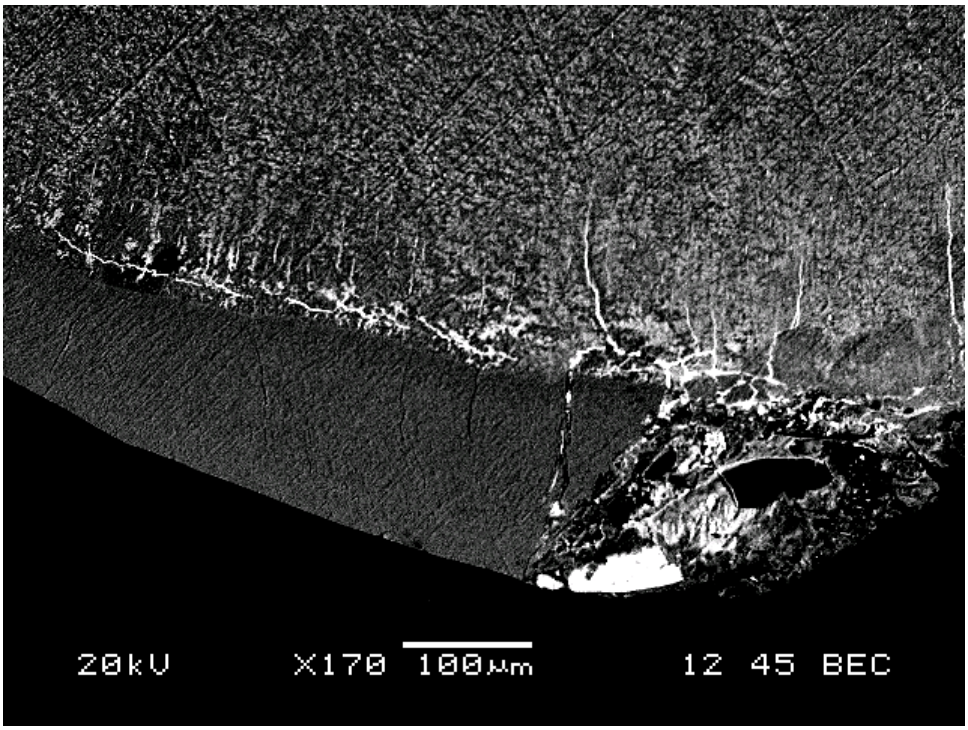

Figure B26. Picture of BDL 20 enamel (lighter) – dentine (darker) transition study area taken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode. Sample analysed at 20kV and a working distance of 9mm.

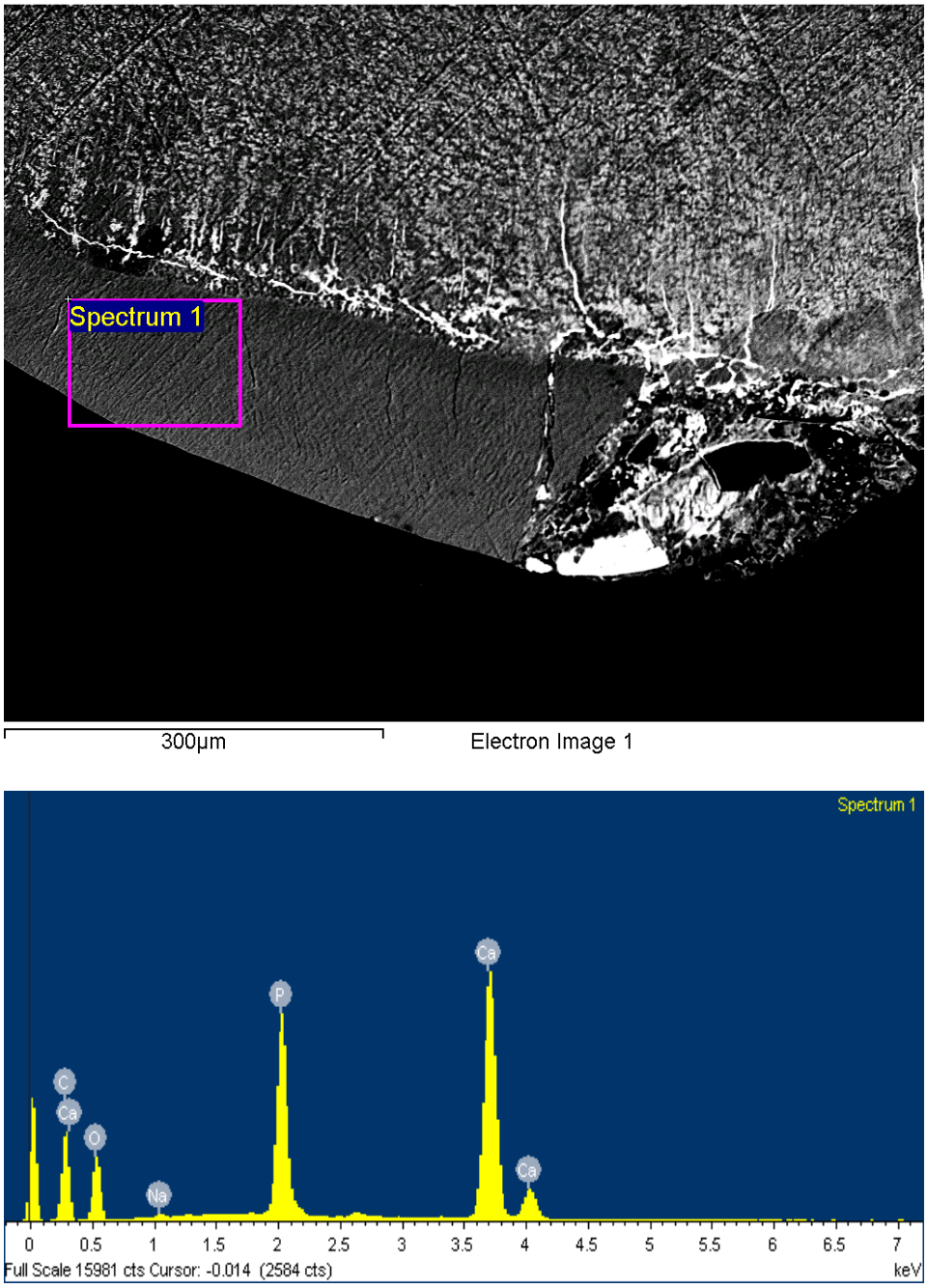

Figure B27. Picture of first enamel sample region for BDL 20. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

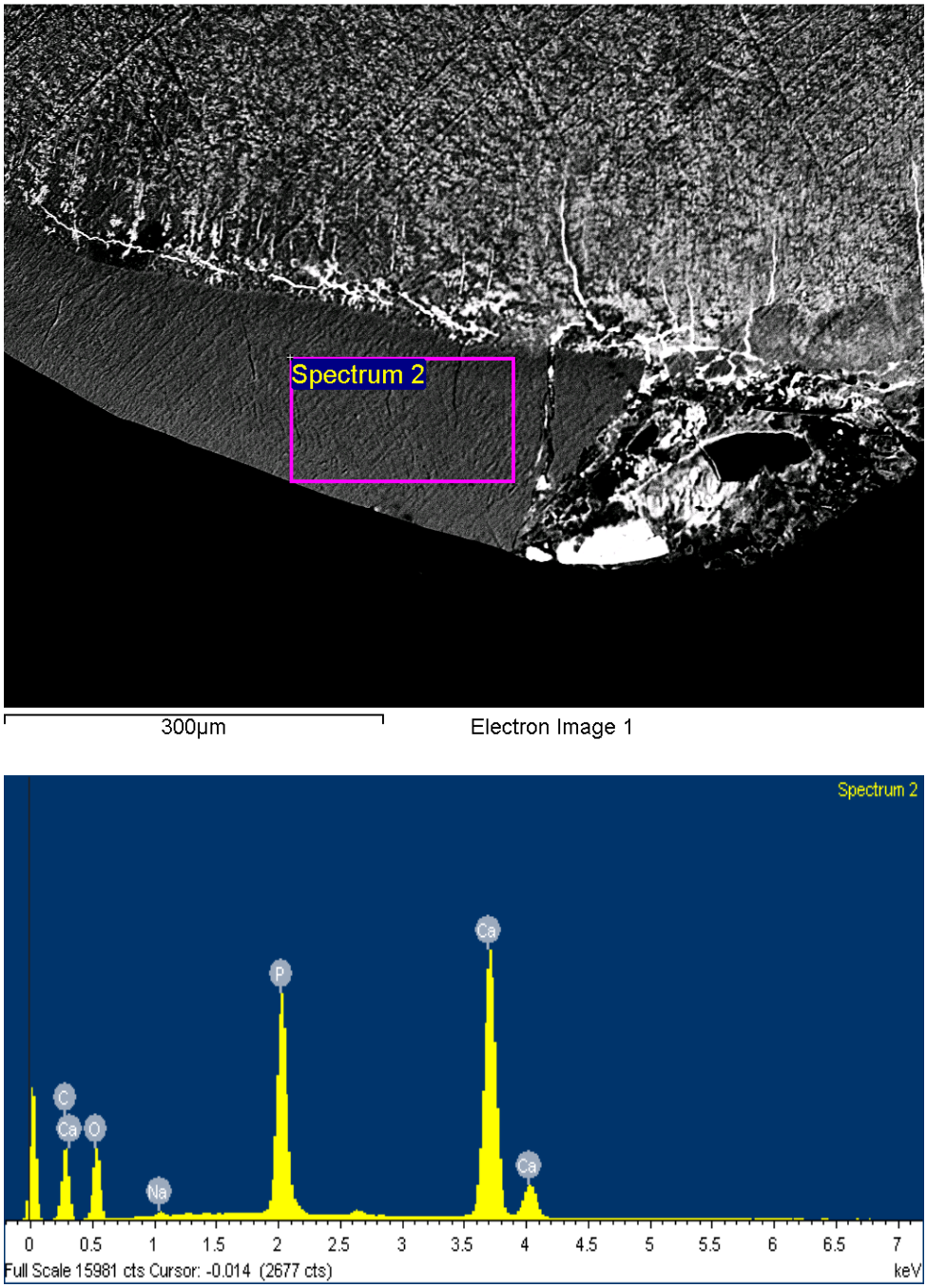

Figure B28. Picture of second enamel sample region for BDL 20. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

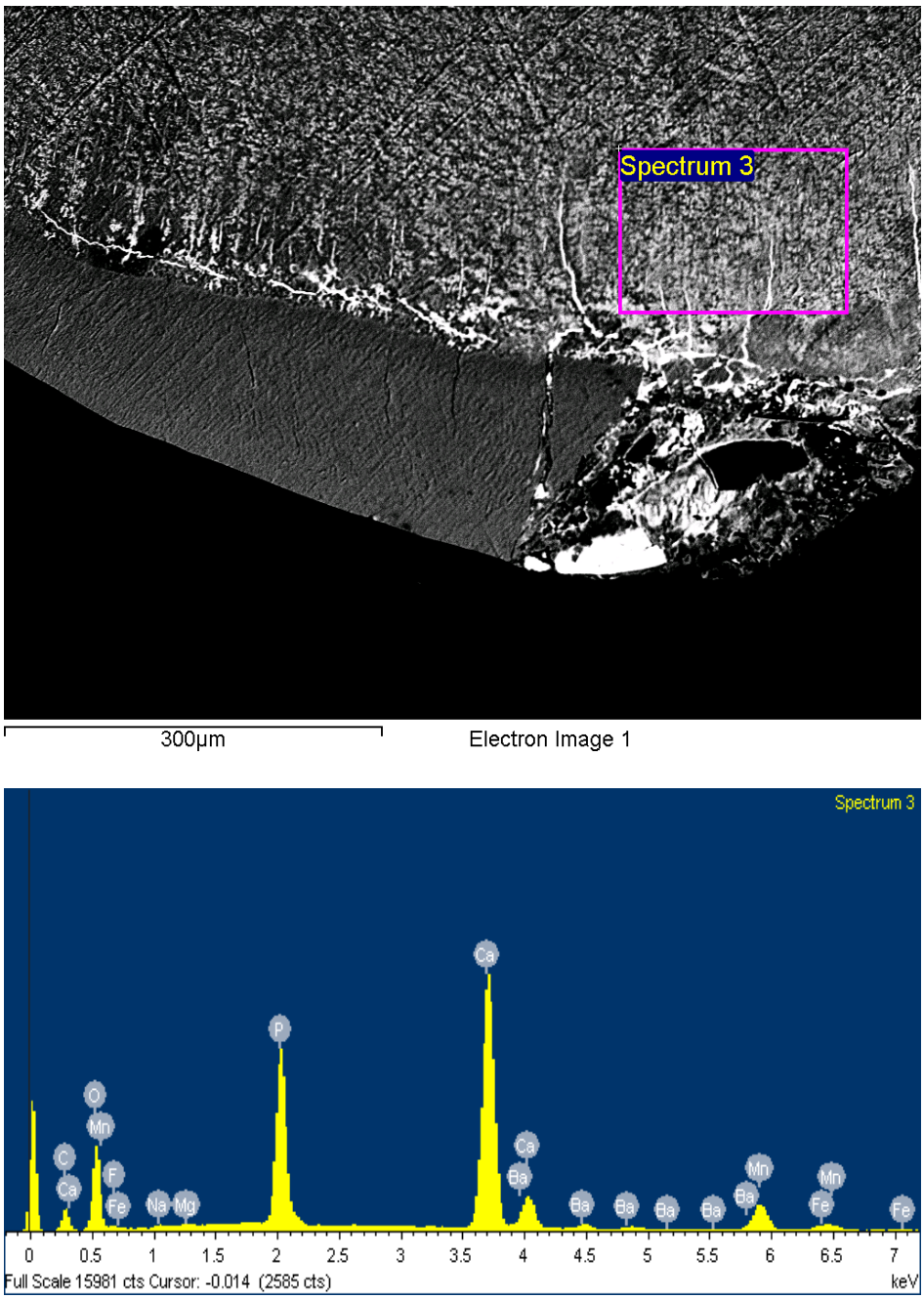

Figure B29. Picture of first dentine sample region for BDL 20. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

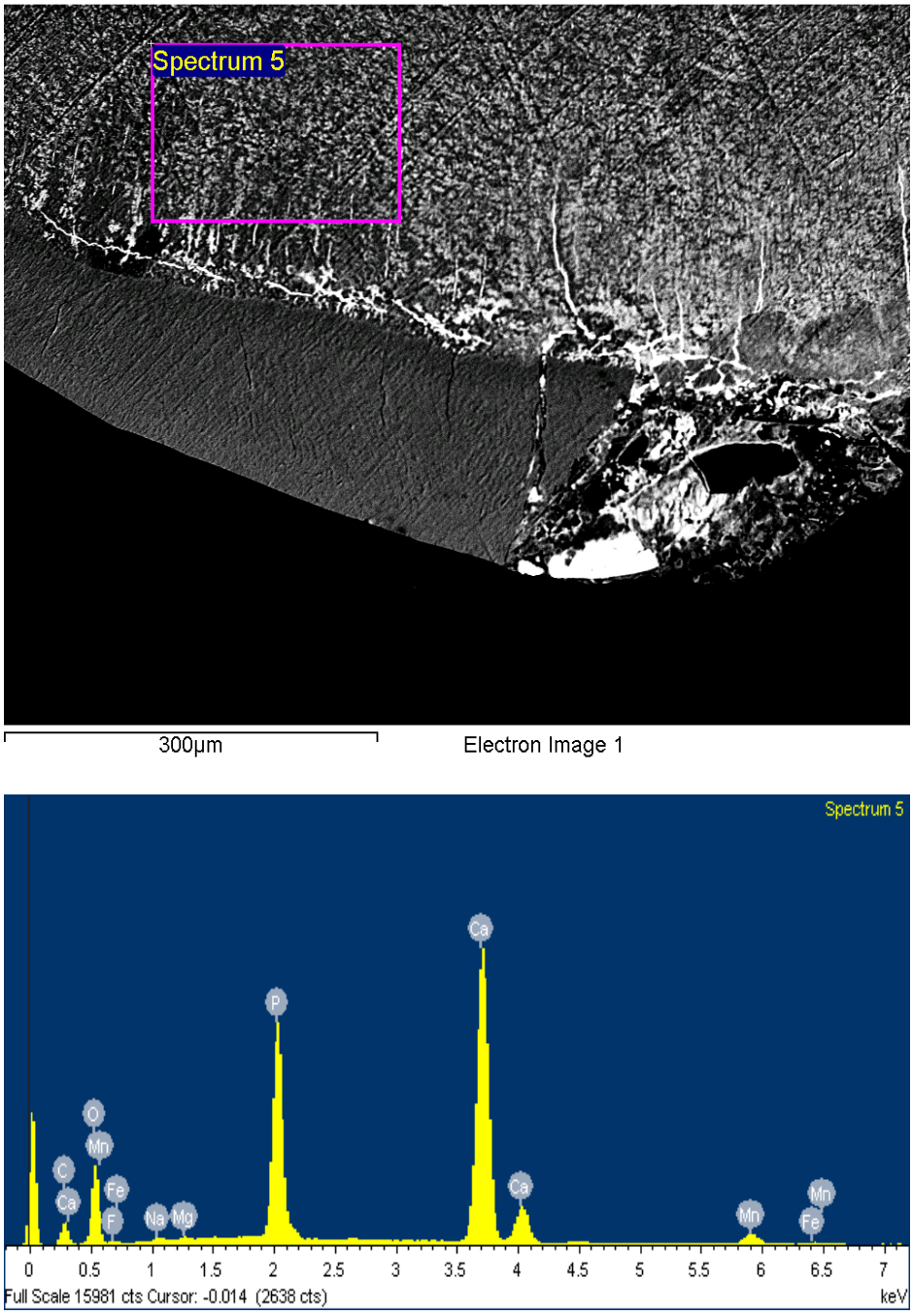

Figure B30. Picture of second dentine sample region for BDL 20. Analysis undertaken using a Jeol JSM 5910 scanning electron microscope in backscatter electron mode with chemical analyses carried out using an Oxford Instruments INCA Energy 300 energy dispersive analysis (EDA) system. Sample analysed at 20kV with a 'region' size of 300 x 300 µm, and at a working distance of 9mm.

Table B1. Table of the infrared indexes (WAMPI, API, BPI, PCI, BAI) for sample groups subjected to Fourier-Transform Infrared Spectroscopy diagenesis study (as per Roche et al., *2010).*

Sample	**Group**	**Species**	**Layer**	**WAMPI**	**API**	**BPI**	**PCI**	**BAI**
BUN 1	Modern fauna	*Macaca sinica*	-	0.21	0.45	0.38	3.62	2.64
COP 1	Modern fauna	*Axis axis*	-	0.10	0.39	0.43	3.55	2.82
MAC 1	Modern fauna	*Macaca sinica*	-	0.23	0.40	0.43	3.80	2.67
SEM 1	Modern fauna	*Semnopithecus priam thersites*	-	0.21	0.40	0.40	3.89	2.78
MOP 1	Modern fauna	*Macaca sinica*	-	0.27	0.47	0.43	3.57	2.97
MOP 2	Modern fauna	*Trachypithecus vetulus*	-	0.24	0.40	0.39	3.66	2.65
MOP 3	Modern fauna	*Trachypithecus vetulus*	-	0.18	0.46	0.38	3.70	2.56
MOP 4	Modern fauna	*Trachypithecus vetulus*	-	0.20	0.47	0.34	3.73	2.42
MOP 5	Modern fauna	*Trachypithecus vetulus*	-	0.25	0.44	0.41	3.58	2.36
MOP 6	Modern fauna	*Semnopithecus priam thersites*	-	0.23	0.41	0.36	3.70	2.76
MOP 7	Modern fauna	*Trachypithecus vetulus*	-	0.18	0.42	0.40	3.65	3.2
VAD 1	Modern human	*Homo sapiens*	-	0.09	0.26	0.32	3.63	3.34
VAD 2	Modern human	*Homo sapiens*	-	0.06	0.22	0.33	3.61	3.63
VAD 3	Modern human	*Homo sapiens*	-	0.07	0.21	0.29	3.49	3.26
VAD 4	Modern human	*Homo sapiens*	-	0.19	0.40	0.43	3.52	2.62
VAD 5	Modern human	*Homo sapiens*	-	0.09	0.32	0.38	3.66	3.22
SL 1	Modern human	*Homo sapiens*	-	0.14	0.37	0.35	3.66	3.37
SL 2	Modern human	*Homo sapiens*	-	0.10	0.33	0.39	3.65	2.7
SL 3	Modern human	*Homo sapiens*	-	0.08	0.25	0.33	3.67	3.10
SL 4	Modern human	*Homo sapiens*	-	0.11	0.35	0.42	3.50	3.31
SL 5	Modern human	*Homo sapiens*	-	0.12	0.37	0.44	3.54	3.05
SL 6	Modern human	*Homo sapiens*	-	0.10	0.34	0.35	3.67	3.15

SL 7	Modern human	*Homo sapiens*	-	0.12	0.35	0.28	3.74	3.19
SL 8	Modern human	*Homo sapiens*	-	0.13	0.38	0.43	3.59	3.02
SL 9	Modern human	*Homo sapiens*	-	0.14	0.40	0.44	3.63	2.96
SL 10	Modern human	*Homo sapiens*	-	0.08	0.29	0.32	3.69	2.94
FH 2	Fa Hien-lena fossil fauna	*Macaca sinica*	169	0.11	0.22	0.50	3.63	3.39
FH 4	Fa Hien-lena fossil fauna	*Macaca sinica*	139	0.09	0.31	0.31	3.90	2.70
FH 24	Fa Hien-lena fossil fauna	*Hystrix indica*	247	0.07	0.21	0.25	4.25	3.59
FH 35	Fa Hien-lena fossil fauna	*Trachypithecus vetulus*	174	0.10	0.34	0.33	3.80	2.65
FH 42	Fa Hien-lena fossil fauna	*Semnopithecus priam thersites*	136	0.08	0.28	0.33	3.92	3.27
FH 41	Fa Hien-lena fossil fauna	*Macaca sinica*	139	0.10	0.31	0.38	3.79	3.30
FH 53	Fa Hien-lena fossil fauna	*Macaca sinica*	247	0.05	0.16	0.22	4.51	3.35
FH 57	Fa Hien-lena fossil fauna	*Semnopithecus priam thersites*	169	0.10	0.35	0.46	3.64	3.60
FH 60	Fa Hien-lena fossil fauna	*Trachypithecus vetulus*	139	0.09	0.30	0.34	3.85	3.06
FH 63	Fa Hien-lena fossil fauna	*Macaca sinica*	136	0.08	0.29	0.35	3.82	3.23
FH 75	Fa Hien-lena fossil fauna	*Macaca sinica*	169	0.17	0.21	0.50	3.89	3.36
FH 76	Fa Hien-lena fossil fauna	*Macaca sinica*	136	0.12	0.16	0.51	3.75	2.63
FH 77	Fa Hien-lena fossil fauna	*Macaca sinica*	169	0.14	0.18	0.56	3.76	3.41
FH 78	Fa Hien-lena fossil	*Macaca sinica*	214	0.21	0.19	0.47	3.81	3.35

	fauna							
FH 79	Fa Hien-lena fossil fauna	*Macaca sinica*	214	0.19	0.18	0.52	3.75	3.50
BK 1	Balangoda Kuragala fossil fauna	*Axis axis*	4	0.12	0.15	0.56	3.83	3.33
BK 2	Balangoda Kuragala fossil fauna	*Sus scrofa*	15	0.10	0.16	0.57	3.54	3.94
BK 27	Balangoda Kuragala fossil fauna	*Semnopithecus priam thersites*	8	0.19	0.16	0.57	3.54	3.46
BK 34	Balangoda Kuragala fossil fauna	*Muntiacus muntjak*	33F	0.08	0.13	0.47	3.60	3.61
BK 31	Balangoda Kuragala fossil fauna	*Macaca sinica*	15	0.06	0.16	0.40	3.85	3.61
BK 35	Balangoda Kuragala fossil fauna	*Cervus unicolor*	14	0.08	0.12	0.41	3.78	3.4
BK 33	Balangoda Kuragala fossil fauna	*Paradoxurus* sp.	33F	0.09	0.15	0.56	3.53	3.22
BK 47	Balangoda Kuragala fossil fauna	*Semnopithecus priam thersites*	4	0.08	0.14	0.49	3.82	3.45
BK 67	Balangoda Kuragala fossil fauna	*Semnopithecus priam thersites*	8	0.09	0.18	0.44	3.70	3.62
BK 61	Balangoda Kuragala fossil fauna	*Macaca sinica*	37	0.09	0.16	0.52	3.77	3.36
BK 70	Balangoda Kuragala fossil fauna	*Hystrix indica*	4	0.08	0.17	0.50	3.66	3.49
BK 72	Balangoda Kuragala fossil fauna	*Semnopithecus priam thersites*	8	0.09	0.13	0.41	3.92	3.23
BK 82	Balangoda Kuragala fossil fauna	*Rattus* sp.	14	0.10	0.18	0.47	3.61	3.77
BK 100	Balangoda Kuragala fossil fauna	*Sus scrofa*	6	0.08	0.13	0.36	3.86	3.15
BK 97	Balangoda Kuragala fossil fauna	*Sus scrofa*	8	0.09	0.15	0.44	3.70	3.46

BBP 1	Bellan-bandi Palassa fossil fauna	*Hystrix indica*	10	0.06	0.17	0.34	3.83	3.53
BBP 2	Bellan-bandi Palassa fossil fauna	*Sus scrofa*	10	0.07	0.13	0.46	3.64	3.62
BBP 3	Bellan-bandi Palassa fossil fauna	*Trachypithecus vetulus*	10	0.07	0.26	0.27	4.09	3.51
BBP 4	Bellan-bandi Palassa fossil fauna	*Trachypithecus vetulus*	10	0.08	0.31	0.34	3.89	3.32
BBP 5	Bellan-bandi Palassa fossil fauna	*Semnopithecus priam thersites*	10	0.06	0.21	0.28	4.68	3.46
BBP 6	Bellan-bandi Palassa fossil fauna	*Trachypithecus vetulus*	10	0.07	0.29	0.46	3.67	3.67
BBP 8	Bellan-bandi Palassa fossil fauna	*Macaca sinica*	10	0.09	0.30	0.28	4.10	2.84
BBP 9	Bellan-bandi Palassa fossil fauna	*Trachypithecus vetulus*	10	0.06	0.21	0.39	3.80	3.65
BBP 24	Bellan-bandi Palassa fossil fauna	*Semnopithecus priam thersites*	10	0.07	0.27	0.33	3.79	2.95
BBP 25	Bellan-bandi Palassa fossil fauna	*Trachypithecus vetulus*	10	0.09	0.20	0.26	3.91	3.65
BDL 12	Batadomba-lena fossil fauna	*Macaca sinica*	5	0.09	0.29	0.32	3.81	2.92
BDL 24	Batadomba-lena fossil fauna	*Hystrix indica*	5	0.08	0.31	0.40	3.57	3.62
BDL 28	Batadomba-lena fossil fauna	*Muntiacus muntjak*	5	0.14	0.26	0.56	3.61	3.62
BDL 29	Batadomba-	*Macaca sinica*	4	0.09	0.20	0.41	3.74	3.69

	lena fossil fauna							
BDL 32	Batadomba-lena fossil fauna	*Trachypithecus vetulus*	5	0.10	0.11	0.35	3.75	3.15
BDL 36	Batadomba-lena fossil fauna	*Trachypithecus vetulus*	5	0.06	0.16	0.41	3.86	3.47
BDL 37	Batadomba-lena fossil fauna	*Trachypithecus vetulus*	4	0.14	0.17	0.54	3.69	3.49
BDL 47	Batadomba-lena fossil fauna	*Trachypithecus vetulus*	4	0.09	0.17	0.43	3.83	2.68
BDL 51	Batadomba-lena fossil fauna	*Macaca sinica*	4	0.08	0.13	0.49	3.72	3.68
BDL 52	Batadomba-lena fossil fauna	*Trachypithecus vetulus*	5	0.08	0.17	0.33	3.81	3.43
BDL 53	Batadomba-lena fossil fauna	*Trachypithecus vetulus*	6	0.10	0.16	0.54	3.63	3.76
BDL 63	Batadomba-lena fossil fauna	*Macaca sinica*	4	0.07	0.26	0.27	4.06	3.00
BDL 25	Batadomba-lena fossil fauna	*Macaca sinica*	5	0.09	0.12	0.43	3.67	3.52
BDL 40	Batadomba-lena fossil fauna	*Trachypithecus vetulus*	5	0.11	0.13	0.55	3.56	3.76
BDL 58	Batadomba-lena fossil fauna	*Macaca sinica*	4	0.09	0.14	0.49	3.70	3.38
BDL 1980 7	1980s Batadomba-lena fossil fauna	*Macaca sinica*	7c	0.15	0.13	0.51	3.68	2.84
BDL 1980 17	1980s Batadomba-lena fossil fauna	*Tragulus meminna*	7c	0.11	0.12	0.56	3.52	3.10
BDL 1980 18	1980s Batadomba-lena fossil fauna	*Macaca sinica*	7c	0.10	0.13	0.34	3.76	2.99
BDL 1980 19	1980s Batadomba-	*Macaca sinica*	7c	0.14	0.15	0.56	3.50	2.42

	lena fossil fauna							
BDL 1980 22	1980s Batadomba-lena fossil fauna	*Hystrix indica*	7b	0.15	0.14	0.50	3.64	3.45
BDL 1980 28	1980s Batadomba-lena fossil fauna	*Trachypithecus vetulus*	6	0.13	0.14	0.50	3.55	3.09
BDL 1980 31	1980s Batadomba-lena fossil fauna	*Trachypithecus vetulus*	6	0.15	0.16	0.56	3.52	3.38
BDL 1980 33	1980s Batadomba-lena fossil fauna	*Macaca sinica*	7c	0.13	0.14	0.49	3.56	3.29
BDL 1980 36	1980s Batadomba-lena fossil fauna	*Trachypithecus vetulus*	6	0.11	0.14	0.47	3.52	3.35
BDL 1980 10	1980s Batadomba-lena fossil fauna	*Macaca sinica*	7a	0.13	0.14	0.56	3.56	3.54
BDL 1980 12	1980s Batadomba-lena fossil fauna	*Trachypithecus vetulus*	7c	0.12	0.14	0.57	3.56	3.65
BDL 1980 6	1980s Batadomba-lena fossil fauna	*Macaca sinica*	7c	0.10	0.13	0.50	3.86	3.35
BDL 1980 24	1980s Batadomba-lena fossil fauna	*Trachypithecus vetulus*	6	0.12	0.15	0.48	3.64	2.98
BDL 1980 26	1980s Batadomba-lena fossil fauna	*Trachypithecus vetulus*	6	0.10	0.12	0.52	3.95	2.55
BDL 1980 37	1980s Batadomba-lena fossil fauna	*Trachypithecus vetulus*	6	0.11	0.12	0.35	3.85	3.32
BDH 1	Fossil human	*Homo sapiens*	6b	0.09	0.28	0.34	3.68	3.01
BDH 2	Fossil human	*Homo sapiens*	6b	0.14	0.27	0.50	3.72	2.95

BDH 3	Fossil human	*Homo sapiens*	6b	0.11	0.29	0.45	3.83	3.06
BDH 4	Fossil human	*Homo sapiens*	6b	0.13	0.34	0.56	3.46	3.34
BDH 5	Fossil human	*Homo sapiens*	6b	0.12	0.26	0.40	4.07	3.63
BDH 6	Fossil human	*Homo sapiens*	6b	0.11	0.40	0.46	3.65	3.21
BDH 7	Fossil human	*Homo sapiens*	6b	0.15	0.28	0.50	3.70	2.94
BDH 8	Fossil human	*Homo sapiens*	6b	0.10	0.29	0.40	4.35	3.64
BKH 1	Fossil human	*Homo sapiens*	15	0.07	0.29	0.31	4.02	3.48
BKH 5	Fossil human	*Homo sapiens*	8	0.07	0.29	0.33	4.00	3.51
BKH 7	Fossil human	*Homo sapiens*	17	0.07	0.25	0.33	3.73	3.40
BKH 9	Fossil human	*Homo sapiens*	7	0.06	0.22	0.27	3.96	3.20
BKH 11	Fossil human	*Homo sapiens*	4	0.07	0.27	0.31	4.24	3.31
BKH 21	Fossil human	*Homo sapiens*	7	0.08	0.29	0.33	3.95	3.39
FHH 1	Fossil human	*Homo sapiens*	248	0.11	0.34	0.47	3.71	3.63

Table B2. Results of ANOVA for BPI of diagenesis study groups.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Group	7	0.269	0.038	6.358	0.000
Residuals	103	0.622	0.006		

*p=<0.05

Table B3. Results of post-hoc Tukey pair-wise comparison for BPI of diagenesis study groups (FHF=Fossil fauna from Fa Hien-lena, BKF=Fossil fauna from Balangoda Kurgala, BBPF= Fossil fauna from Bellan-bandi Palassa, BDF=Fossil fauna from 2005 excavations of Batadomba-lena, BDFF=Fossil fauna from 1980s excavations of Batadomba-lena, Modern-H=Historical human collections from the Duckworth Collection, University of Cambridge and the Department of Anatomy Collection, University of Edinburgh, Fossil-H=Fossil humans). 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.

Group	**Difference**	**Lower**	**Upper**	**P-value***
BDF-BBPF	0.094	-0.005	0.192	0.073
BDFF-BBPF	0.157	0.059	0.255	0.000
BKF-BBPF	0.137	0.039	0.235	0.001
FHF-BBPF	0.061	-0.037	0.159	0.539
Fossil H-BBPF	0.056	-0.042	0.155	0.638
Modern F-BBPF	0.054	-0.051	0.160	0.747
Modern H-BBPF	0.026	-0.073	0.124	0.992
BDFF-BDF	0.063	-0.024	0.151	0.342
BKF-BDF	0.043	-0.044	0.131	0.791
FHF-BDF	-0.033	-0.120	0.055	0.944
Fossil H-BDF	-0.037	-0.125	0.050	0.891
Modern F-BDF	-0.039	-0.135	0.056	0.907
Modern H-BDF	-0.068	-0.156	0.020	0.254
BKF-BDFF	-0.020	-0.108	0.068	0.997
FHF-BDFF	-0.096	-0.184	-0.008	0.022
Fossil H-BDFF	-0.101	-0.188	-0.013	0.013
Modern F-BDFF	-0.103	-0.198	-0.007	0.026
Modern H-BDFF	-0.131	-0.219	-0.044	0.000
FHF-BKF	-0.076	-0.164	0.012	0.141
Fossil H-BKF	-0.081	-0.168	0.007	0.096
Modern F-BKF	-0.083	-0.178	0.013	0.142
Modern H-BKF	-0.111	-0.199	-0.024	0.004
Fossil H-FHF	-0.005	-0.092	0.083	1.000
Modern F-FHF	-0.007	-0.102	0.089	1.000
Modern H-FHF	-0.035	-0.123	0.052	0.916
Modern F-Fossil H	-0.002	-0.097	0.094	1.000
Modern H-Fossil H	-0.031	-0.118	0.057	0.959
Modern H-Modern F	-0.029	-0.124	0.067	0.982

*p=<0.05

Table B4. Results of ANOVA for PCI of diagenesis study groups.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Group	7	1.316	0.188	5.864	0.000
Residuals	103	3.302	0.032		

*p=<0.05

Table B5. Results of post-hoc Tukey pair-wise comparison for PCI of diagenesis study groups (FHF=Fossil fauna from Fa Hien-lena, BKF=Fossil fauna from Balangoda Kurgala, BBPF= Fossil fauna from Bellan-bandi Palassa, BDF=Fossil fauna from 2005 excavations of Batadomba-lena, BDFF=Fossil fauna from 1980s excavations of Batadomba-lena, Modern-H=Historical human collections from the Duckworth Collection, University of Cambridge and the Department of Anatomy Collection, University of Edinburgh, Fossil-H=Fossil humans). 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.

Group	**Difference**	**Lower**	**Upper**	**P-value***
BDF-BBPF	-0.206	-0.432	0.020	0.102
BDFF-BBPF	-0.295	-0.522	-0.069	0.003
BKF-BBPF	-0.226	-0.452	0.000	0.050
FHF-BBPF	-0.069	-0.295	0.158	0.981
Fossil H-BBPF	-0.069	-0.295	0.158	0.981
Modern F-BBPF	-0.263	-0.505	-0.021	0.024
Modern H-BBPF	-0.323	-0.550	-0.097	0.001
BDFF-BDF	-0.089	-0.292	0.113	0.870
BKF-BDF	-0.020	-0.222	0.182	1.000
FHF-BDF	0.137	-0.065	0.340	0.422
Fossil H-BDF	0.137	-0.065	0.340	0.422
Modern F-BDF	-0.057	-0.277	0.163	0.993
Modern H-BDF	-0.117	-0.320	0.085	0.625
BKF-BDFF	0.069	-0.133	0.272	0.963
FHF-BDFF	0.227	0.024	0.429	0.017
Fossil H-BDFF	0.227	0.024	0.429	0.017
Modern F-BDFF	0.033	-0.187	0.253	1.000
Modern H-BDFF	-0.028	-0.230	0.174	1.000
FHF-BKF	0.157	-0.045	0.360	0.249
Fossil H-BKF	0.157	-0.045	0.360	0.249
Modern F-BKF	-0.037	-0.257	0.183	1.000
Modern H-BKF	-0.097	-0.300	0.105	0.812
Fossil H-FHF	0.000	-0.202	0.202	1.000
Modern F-FHF	-0.194	-0.414	0.026	0.125
Modern H-FHF	-0.255	-0.457	-0.052	0.004
Modern F-Fossil H	-0.194	-0.414	0.026	0.125
Modern H-Fossil H	-0.255	-0.457	-0.052	0.004
Modern H-Modern F	-0.061	-0.281	0.159	0.989

*p=<0.05

Table B6. Results of ANOVA for API of diagenesis study groups.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Group	7	0.853	0.122	50.02	0.000
Residuals	103	0.251	0.002		

*p=<0.05

Table B7. Results of post-hoc Tukey pair-wise comparison for API of diagenesis study groups (FHF=Fossil fauna from Fa Hien-lena, BKF=Fossil fauna from Balangoda Kurgala, BBPF= Fossil fauna from Bellan-bandi Palassa, BDF=Fossil fauna from 2005 excavations of Batadomba-lena, BDFF=Fossil fauna from 1980s excavations of Batadomba-lena, Modern-H=Historical human collections from the Duckworth Collection, University of Cambridge and the Department of Anatomy Collection, University of Edinburgh, Fossil-H=Fossil humans). 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.

Group	**Difference**	**Lower**	**Upper**	**P-value***
BDF-BBPF	-0.497	-0.112	0.013	0.222
BDFF-BBPF	-0.098	-0.161	-0.036	0.000
BKF-BBPF	-0.084	-0.146	-0.021	0.002
FHF-BBPF	0.011	-0.051	0.073	0.999
Fossil H-BBPF	0.056	-0.007	0.118	0.116
Modern F-BBPF	0.193	0.126	0.260	0.000
Modern H-BBPF	0.088	0.025	0.150	0.001
BDFF-BDF	-0.049	-0.104	0.007	0.134
BKF-BDF	-0.034	-0.090	0.022	0.563
FHF-BDF	0.061	0.005	0.116	0.023
Fossil H-BDF	0.105	0.050	0.161	0.000
Modern F-BDF	0.243	0.182	0.303	0.000
Modern H-BDF	0.137	0.082	0.193	0.000
BKF-BDFF	0.015	-0.041	0.070	0.992
FHF-BDFF	0.109	0.054	0.165	0.000
Fossil H-BDFF	0.154	0.098	0.210	0.000
Modern F-BDFF	0.292	0.231	0.352	0.000
Modern H-BDFF	0.186	0.130	0.242	0.000
FHF-BKF	0.095	0.039	0.150	0.000
Fossil H-BKF	0.139	0.084	0.195	0.000
Modern F-BKF	0.277	0.216	0.337	0.000
Modern H-BKF	0.171	0.116	0.227	0.000
Fossil H-FHF	0.045	-0.011	0.100	0.216
Modern F-FHF	0.182	0.122	0.243	0.000
Modern H-FHF	0.077	0.021	0.132	0.001
Modern F-Fossil H	0.138	0.077	0.198	0.000
Modern H-Fossil H	0.032	-0.024	0.088	0.638
Modern H-Modern F	-0.106	-0.166	-0.045	0.000

*p=<0.05

Table B8. Results of ANOVA for WAMPI of diagenesis study groups.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Group	7	0.134	0.019	19.34	0.000
Residuals	103	0.102	0.001		

*p=<0.05

Table B9. Results of post-hoc Tukey pair-wise comparison for WAMPI of diagenesis study groups (FHF=Fossil fauna from Fa Hien-lena, BKF=Fossil fauna from Balangoda Kurgala, BBPF= Fossil fauna from Bellan-bandi Palassa, BDF=Fossil fauna from 2005 excavations of Batadomba-lena, BDFF=Fossil fauna from 1980s excavations of Batadomba-lena, Modern-H=Historical human collections from the Duckworth Collection, University of Cambridge and the Department of Anatomy Collection, University of Edinburgh, Fossil-H=Fossil humans). 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.

Group	**Difference**	**Lower**	**Upper**	**P-value***
BDF-BBPF	0.022	-0.018	0.062	0.678
BDFF-BBPF	0.051	0.012	0.091	0.003
BKF-BBPF	0.023	-0.017	0.062	0.644
FHF-BBPF	0.041	0.002	0.091	0.035
Fossil H-BBPF	0.027	-0.013	0.066	0.437
Modern F-BBPF	0.137	0.095	0.180	0.000
Modern H-BBPF	0.036	-0.004	0.076	0.105
BDFF-BDF	0.029	-0.006	0.065	0.185
BKF-BDF	0.001	-0.035	0.036	1.000
FHF-BDF	0.019	-0.016	0.055	0.698
Fossil H-BDF	0.005	-0.031	0.040	1.000
Modern F-BDF	0.115	0.076	0.154	0.000
Modern H-BDF	0.014	-0.022	0.050	0.924
BKF-BDFF	-0.029	-0.064	0.007	0.209
FHF-BDFF	-0.010	-0.046	0.026	0.988
Fossil H-BDFF	-0.025	-0.060	0.011	0.392
Modern F-BDFF	0.086	0.047	0.124	0.000
Modern H-BDFF	-0.015	-0.051	0.020	0.883
FHF-BKF	0.019	-0.017	0.054	0.734
Fossil H-BKF	0.004	-0.032	0.040	1.000
Modern F-BKF	0.114	0.076	0.153	0.000
Modern H-BKF	0.013	-0.022	0.049	0.941
Fossil H-FHF	-0.015	-0.050	0.021	0.905
Modern F-FHF	0.096	0.057	0.134	0.000
Modern H-FHF	-0.005	-0.041	0.030	1.000
Modern F-Fossil H	0.110	0.072	0.149	0.000
Modern H-Fossil H	0.009	-0.026	0.045	0.992
Modern H-Modern F	-0.101	-0.140	-0.062	0.000

*p=<0.05

Table B10. Results of ANOVA for BAI of diagenesis study groups.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Group	7	5.048	0.721	8.767	0.000
Residuals	103	8.472	0.082		

*p=<0.05

Table B11. Results of post-hoc Tukey pair-wise comparison for BAI of diagenesis study groups (FHF=Fossil fauna from Fa Hien-lena, BKF=Fossil fauna from Balangoda Kurgala, BBPF= Fossil fauna from Bellan-bandi Palassa, BDF=Fossil fauna from 2005 excavations of Batadomba-lena, BDFF=Fossil fauna from 1980s excavations of Batadomba-lena, Modern-H=Historical human collections from the Duckworth Collection, University of Cambridge and the Department of Anatomy Collection, University of Edinburgh, Fossil-H=Fossil humans). 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.

Group	**Difference**	**Lower**	**Upper**	**P-value***
BDF-BBPF	-0.009	-0.371	0.354	1.000
BDFF-BBPF	-0.267	-0.629	0.096	0.316
BKF-BBPF	0.053	-0.309	0.416	1.000
FHF-BBPF	-0.194	-0.556	0.168	0.715
Fossil H-BBPF	-0.107	-0.469	0.256	0.984
Modern F-BBPF	-0.708	-1.096	-0.320	0.000
Modern H-BBPF	-0.296	-0.658	0.066	0.196
BDFF-BDF	-0.258	-0.582	0.066	0.223
BKF-BDF	0.062	-0.262	0.386	0.999
FHF-BDF	-0.185	-0.509	0.139	0.642
Fossil H-BDF	-0.098	-0.422	0.226	0.982
Modern F-BDF	-0.700	-1.052	-0.347	0.000
Modern H-BDF	-0.287	-0.611	0.037	0.121
BKF-BDFF	0.320	-0.004	0.644	0.055
FHF-BDFF	0.073	-0.251	0.397	0.997
Fossil H-BDFF	0.160	-0.164	0.484	0.791
Modern F-BDFF	-0.442	-0.794	-0.089	0.004
Modern H-BDFF	-0.029	-0.353	0.295	1.000
FHF-BKF	-0.247	-0.571	0.077	0.271
Fossil H-BKF	-0.160	-0.484	0.164	0.791
Modern F-BKF	-0.762	-1.114	-0.409	0.000
Modern H-BKF	-0.349	-0.673	-0.025	0.025
Fossil H-FHF	0.087	-0.237	0.411	0.991
Modern F-FHF	-0.514	-0.866	-0.162	0.000
Modern H-FHF	-0.102	-0.426	0.222	0.977
Modern F-Fossil H	-0.602	-0.954	-0.249	0.000
Modern H-Fossil H	-0.189	-0.513	0.135	0.616
Modern H-Modern F	0.412	0.060	0.764	0.010

*p=<0.05

Table B12. Table of the infrared indexes (WAMPI, API, BPI, PCI, BAI) for sample groups subjected to Fourier-Transform Infrared Spectroscopy pretreatment screening study (as per Roche et al.*, 2010).*

Sample	Group	Species	Layer	WAMPI	API	BPI	PCI	BAI
COP 1	Modern before pretreatment	*Axis axis*	-	0.10	0.39	0.43	3.55	2.82
MAC 1	Modern before pretreatment	*Macaca sinica*	-	0.23	0.40	0.43	3.80	2.67
SEM 1	Modern before pretreatment	*Semnopithecus priam thersites*	-	0.21	0.40	0.40	3.89	2.78
MOP 1	Modern before pretreatment	*Macaca sinica*	-	0.27	0.47	0.43	3.57	2.97
MOP 2	Modern before pretreatment	*Trachypithecus vetulus*	-	0.24	0.40	0.39	3.66	2.65
MOP 3	Modern before pretreatment	*Trachypithecus vetulus*	-	0.18	0.46	0.38	3.70	2.56
MOP 4	Modern before pretreatment	*Trachypithecus vetulus*	-	0.20	0.47	0.34	3.73	2.42
MOP 5	Modern before pretreatment	*Trachypithecus vetulus*	-	0.25	0.44	0.31	3.58	2.36
MOP 6	Modern before pretreatment	*Semnopithecus priam thersites*	-	0.23	0.41	0.36	3.70	2.76
MOP 7	Modern before pretreatment	*Trachypithecus vetulus*	-	0.18	0.42	0.40	3.65	3.2
BDL 37	Fossil before pretreatment	*Trachypithecus vetulus*	4	0.14	0.17	0.54	3.69	3.49
BDL 32	Fossil before pretreatment	*Trachypithecus vetulus*	5	0.10	0.11	0.35	3.75	3.15
BDL 52	Fossil before pretreatment	*Trachypithecus vetulus*	5	0.08	0.17	0.33	3.81	3.43
BDL 53	Fossil before pretreatment	*Trachypithecus vetulus*	6	0.10	0.16	0.54	3.63	3.76
BDH 5	Fossil before pretreatment	*Homo sapiens*	6b	0.12	0.26	0.40	4.07	3.63

BK 27	Fossil before pretreatment	*Semnopithecus priam thersites*	8	0.19	0.16	0.57	3.54	3.46
BK 70	Fossil before pretreatment	*Hystrix indica*	4	0.08	0.17	0.50	3.66	3.49
BK 100	Fossil before pretreatment	*Sus scrofa*	6	0.08	0.13	0.36	3.86	3.15
FH 41	Fossil before pretreatment	*Macaca sinica*	139	0.10	0.31	0.38	3.79	3.30
FH 63	Fossil before pretreatment	*Macaca sinica*	136	0.08	0.29	0.35	3.82	3.23
COP 1	Modern after pretreatment	*Axis axis*	-	0.08	0.32	0.40	3.82	3.2
MAC 1	Modern after pretreatment	*Macaca sinica*	-	0.09	0.25	0.34	3.74	3.13
SEM 1	Modern after pretreatment	*Semnopithecus priam thersites*	-	0.08	0.24	0.31	3.88	2.97
MOP 1	Modern after pretreatment	*Macaca sinica*	-	0.14	0.38	0.44	3.80	3.32
MOP 2	Modern after pretreatment	*Trachypithecus vetulus*	-	0.13	0.33	0.39	3.62	3.48
MOP 3	Modern after pretreatment	*Trachypithecus vetulus*	-	0.10	0.34	0.38	3.89	3.14
MOP 4	Modern after pretreatment	*Trachypithecus vetulus*	-	0.10	0.26	0.26	3.97	2.73
MOP 5	Modern after pretreatment	*Trachypithecus vetulus*	-	0.12	0.30	0.34	3.83	2.96
MOP 6	Modern after pretreatment	*Semnopithecus priam thersites*	-	0.12	0.33	0.37	3.77	3.21
MOP 7	Modern after pretreatment	*Trachypithecus vetulus*	-	0.10	0.32	0.38	3.86	3.66
BDL 37	Fossil after pretreatment	*Trachypithecus vetulus*	4	0.12	0.11	0.48	3.85	3.60
BDL 32	Fossil after pretreatment	*Trachypithecus vetulus*	5	0.10	0.09	0.35	3.80	2.99

BDL 52	Fossil after pretreatment	*Trachypithecus vetulus*	5	0.06	0.13	0.35	3.85	3.84
BDL 53	Fossil after pretreatment	*Trachypithecus vetulus*	6	0.10	0.12	0.27	3.83	3.83
BDH 5	Fossil after pretreatment	*Homo sapiens*	6b	0.19	0.41	0.43	4.42	3.11
BK 27	Fossil after pretreatment	*Semnopithecus priam thersites*	8	0.18	0.18	0.60	3.58	3.71
BK 70	Fossil after pretreatment	*Hystrix indica*	4	0.09	0.08	0.34	3.93	3.86
BK 100	Fossil after pretreatment	*Sus scrofa*	6	0.07	0.24	0.26	3.87	3.57
FH 41	Fossil after pretreatment	*Macaca sinica*	139	0.10	0.35	0.37	3.90	3.47
FH 63	Fossil after pretreatment	*Macaca sinica*	136	0.08	0.31	0.31	3.94	3.22

Table B13. Bulk $\delta^{13}C$ and $\delta^{18}O$ measurements of faunal specimens sampled in this study from the Terminal Pleistocene and Holocene layers of Fa Hien-lena, Balangoda Kuragala, and Bellan-bandi Palassa, and the Late Pleistocene layers of Batadomba-lena (denotes teeth subjected to intra-tooth sampling).*

Site	Sample number	Layer	Species	Tooth	$\delta^{13}C$ (‰) (VPDB)	S.D.	$\delta^{18}O$ (‰) (VPDB)	S.D.
Fa Hien-lena	FH 55	134	*Semnopithecus priam thersites*	Lower first premolar	-13.2	0.1	-4.5	0.1
Fa Hien-lena	FH 63	136	*Macaca sinica*	Lower third molar (right)	-15.1	0.1	-5.0	0.1
Fa Hien-lena	FH 76	136	*Macaca sinica*	Upper incisor (right)	-14.6	0.2	-4.0	0.1
Fa Hien-lena	FH 43	136	*Macaca sinica*	Upper second molar (right)	-15.7	0.1	-6.7	0.1
Fa Hien-lena	FH 16	136	*Tragulus meminna*	Upper premolar	-13.3	0.2	-3.7	0.1
Fa Hien-lena	FH 27	136	*Paradoxurus* sp.	Upper second incisor (right)	-15.5	0.1	-4.0	0.1
Fa Hien-lena	FH 29	136	*Ratufa macroura*	Upper second premolar	-15.6	0.1	-2.7	0.1
Fa Hien-lena	FH 5	136	*Semnopithecus priam thersites*	Upper third molar (right)	-15.6	0.2	-3.2	0.1
Fa Hien-lena	FH 42	136	*Semnopithecus priam thersites*	Upper third molar (left)	-14.9	0.1	-3.8	0.1
Fa Hien-lena	FH 70	136	*Trachypithecus vetulus*	Upper third molar	-14.1	0.1	-1.6	0.2
Fa Hien-lena	FH 85	136	*Trachypithecus vetulus*	Upper second incisor (right)	-15.3	0.2	-4.2	0.1
Fa Hien-lena	FH 81	136	*Trachypithecus vetulus*	Upper first incisor (right)	-17.0	0.3	-3.6	0.1
Fa Hien-lena	FH 61	139	*Macaca sinica*	Upper third molar	-14.4	0.2	-3.0	0.2

				(left)				
Fa Hien-lena	FH 4	139	*Macaca sinica*	Upper third molar (left)	-14.5	0.1	-3.4	0.1
Fa Hien-lena	FH 41	139	*Macaca sinica*	Upper third molar (left)	-14.5	0.2	-2.7	0.1
Fa Hien-lena	FH 23	139	*Paradoxurus* sp.	Upper second molar (left)	-13.9	0.1	-2.5	0.1
Fa Hien-lena	FH 19	139	*Petaurista philippensis*	Lower first premolar	-15.1	0.1	-5.0	0.1
Fa Hien-lena	FH 15	139	*Petinomys fuscocapillus*	Upper first premolar	-14.1	0.1	-3.8	0.1
Fa Hien-lena	FH 37	139	*Ratufa macroura*	Lower incisor (right)	-16.1	0.2	-6.2	0.1
Fa Hien-lena	FH 60	139	*Trachypithecus vetulus*	Upper second molar (left)	-16.1	0.2	-3.7	0.1
Fa Hien-lena	FH 30	139	*Trachypithecus vetulus*	Upper second premolar (left)	-15.2	0.1	-3.4	0.1
Fa Hien-lena	FH 65	139	*Trachypithecus vetulus*	Lower first molar (left)	-15.1	0.2	-4.5	0.2
Fa Hien-lena	FH 68	141	*Macaca sinica*	Upper third molar (left)	-15.5	0.2	-2.6	0.1
Fa Hien-lena	FH 33	141	*Macaca sinica*	Upper second premolar (right)	-14.7	0.2	-2.0	0.1
Fa Hien-lena	FH 86	141	*Macaca sinica*	Upper second incisor (left)	-15.4	0.2	-8.1	0.1
Fa Hien-lena	FH 59	141	*Ratufa macroura*	Upper molar	-15.8	0.1	-3.3	0.1
Fa Hien-lena	FH 7	141	*Ratufa macroura*	Upper premolar	-16.2	0.1	-2.2	0.2
Fa Hien-lena	FH 36	141	*Trachypithecus vetulus*	Fragment of lower first premolar	-17.2	0.3	-3.1	0.2

				(right)				
Fa Hien-lena	FH 26	141	*Trachypithecus vetulus*	Upper second molar (left)	-16.4	0.1	-2.5	0.1
Fa Hien-lena	FH 11	141	*Trachypithecus vetulus*	Lower third molar (right)	-16.9	0.2	-2.4	0.2
Fa Hien-lena	FH 12	141	*Trachypithecus vetulus*	Upper first molar (left)	-15.6	0.2	-3.8	0.1
Fa Hien-lena	FH 77	169	*Macaca sinica*	Upper canine (left)	-13.3	0.1	-2.9	0.1
Fa Hien-lena	FH 2	169	*Macaca sinica*	Upper first molar (right)	-15.9	0.1	-3.9	0.1
Fa Hien-lena	FH 64	169	*Macaca sinica*	Lower second molar (right)	-14.9	0.2	-1.6	0.2
Fa Hien-lena	FH 75	169	*Macaca sinica*	Lower canine (right)	-13.6	0.2	-3.9	0.2
Fa Hien-lena	FH 51	169	*Macaca sinica*	Lower third molar (left)	-14.3	0.1	-2.6	0.2
Fa Hien-lena	FH 57	169	*Semnopithecus priam thersites*	Lower third molar (right)	-16.1	0.2	-3.3	0.2
Fa Hien-lena	FH 8	169	*Trachypithecus vetulus*	Lower second molar (left)	-17.4	0.1	-4.3	0.2
Fa Hien-lena	FH 31	174	*Hystrix indica*	Upper first premolar (right)	-15.4	0.2	-5.4	0.1
Fa Hien-lena	FH 32	174	*Macaca sinica*	Upper third molar (right)	-14.9	0.2	-3.6	0.1
Fa Hien-lena	FH 18	174	*Macaca sinica*	Lower third molar (left)	-15.2	0.2	-5.4	0.2
Fa Hien-lena	FH 50	174	*Macaca sinica*	Lower third molar	-15.2	0.2	-4.4	0.2

				(right)				
Fa Hien-lena	FH 45	174	*Ratufa macroura*	Fragment of upper incisor (left)	-15.5	0.1	-1.8	0.1
Fa Hien-lena	FH 22	174	*Ratufa macroura*	Upper molar	-16.4	0.2	-5.4	0.1
Fa Hien-lena	FH 35	174	*Trachypithecus vetulus*	Upper third molar (right)	-16.9	0.1	-3.6	0.2
Fa Hien-lena	FH 3	174	*Trachypithecus vetulus*	Lower third molar (left)	-16.2	0.2	-4.5	0.2
Fa Hien-lena	FH 1	174	*Trachypithecus vetulus*	Lower second molar (left)	-15.9	0.1	-2.5	0.2
Fa Hien-lena	FH 39	214	*Hystrix indica*	Lower premolar/ molar	-16.3	0.2	-5.2	0.1
Fa Hien-lena	FH 48	214	*Macaca sinica*	Upper third molar (right)	-15.2	0.1	-2.4	0.1
Fa Hien-lena	FH 74	214	*Macaca sinica*	Fragment of upper canine (right)	-14.2	0.2	-3.2	0.1
Fa Hien-lena	FH 78	214	*Macaca sinica*	Upper canine (left)	-13.4	0.2	-2.4	0.1
Fa Hien-lena	FH 6	214	*Macaca sinica*	Upper second molar (right)	-15.6	0.2	-3.4	0.1
Fa Hien-lena	FH 79	214	*Macaca sinica*	Fragment of upper canine (right)	-13.3	0.1	-4.0	0.1
Fa Hien-lena	FH 58	214	*Paradoxurus* sp.	Lower second molar (left)	-14.7	0.1	-3.6	0.1
Fa Hien-lena	FH 62	214	*Trachypithecus vetulus*	Lower first premolar (right)	-16.9	0.2	-5.2	0.1
Fa Hien-lena	FH 17	214	*Trachypithecus vetulus*	Lower first premolar (right)	-14.8	0.1	-4.6	0.1
Fa Hien-	FH 82	217	*Macaca sinica*	Fragment	-14.6	0.2	-4.5	0.1

lena				of upper canine (right)				
Fa Hien-lena	FH 13	217	*Macaca sinica*	Upper third molar (left)	-13.9	0.1	-2.0	0.1
Fa Hien-lena	FH 14	217	*Macaca sinica*	Upper second molar (right)	-14.4	0.1	-3.4	0.2
Fa Hien-lena	FH 83	217	*Trachypithecus vetulus*	Upper canine (left)	-16.3	0.1	-4.5	0.1
Fa Hien-lena	FH 34	247	*Herpestes* sp.	Lower second premolar	-15.4	0.2	-5.9	0.1
Fa Hien-lena	FH 54	247	*Hystrix indica*	Lower second premolar	-16.5	0.1	-6.9	0.2
Fa Hien-lena	FH 24	247	*Hystrix indica*	Upper first premolar (right)	-17.2	0.3	-7.8	0.2
Fa Hien-lena	FH 21	247	*Macaca sinica*	Upper third molar (right)	-14.3	0.1	-2.8	0.1
Fa Hien-lena	FH 49	247	*Macaca sinica*	Upper third molar (left)	-15.0	0.2	-5.0	0.1
Fa Hien-lena	FH 9	247	*Macaca sinica*	Upper second molar (right)	-15.2	0.2	-4.3	0.1
Fa Hien-lena	FH 52	247	*Macaca sinica*	Upper second molar (right)	-17.0	0.1	-3.9	0.2
Fa Hien-lena	FH 53	247	*Macaca sinica*	Upper third molar (right)	-15.5	0.1	-6.3	0.1
Fa Hien-lena	FH 10	247	*Macaca sinica*	Lower second molar (left)	-16.3	0.1	-5.2	0.1
Fa Hien-lena	FH 90	247	*Macaca sinica*	Upper third molar (right)	-15.6	0.1	-4.8	0.1
Fa Hien-lena	FH 89	247	*Macaca sinica*	Lower canine	-14.8	0.1	-5.4	0.1

				(right)				
Fa Hien-lena	FH 44	247	*Paradoxurus* sp.	Lower second premolar (left)	-14.0	0.2	-5.3	0.1
Fa Hien-lena	FH 56	247	*Paradoxurus* sp.	Lower second molar (left)	-15.5	0.2	-6.8	0.1
Fa Hien-lena	FH 66	247	*Ratufa macroura*	Upper molar	-16.5	0.2	-2.0	0.1
Fa Hien-lena	FH 25	247	*Ratufa macroura*	Fragment of lower incisor (right)	-15.8	0.1	-4.9	0.1
Fa Hien-lena	FH 20	247	*Trachypithecus vetulus*	Lower second molar (left)	-17.5	0.1	-5.2	0.1
Fa Hien-lena	FH 84	247	*Trachypithecus vetulus*	Lower canine (right)	-15.6	0.1	-5.1	0.1
Fa Hien-lena	FH 69	247	*Trachypithecus vetulus*	Upper second molar (right)	-16.8	0.3	-6.1	0.2
Fa Hien-lena	FH 47	247	*Trachypithecus vetulus*	Lower third molar (left)	-17.2	0.2	-4.9	0.2
Fa Hien-lena	FH 80	247	*Trachypithecus vetulus*	Upper first incisor (right)	-16.3	0.3	-5.8	0.1
Fa Hien-lena	FH 40	247	*Trachypithecus vetulus*	Lower third molar (right)	-16.7	0.2	-6.8	0.2
Fa Hien-lena	FH 88	248	*Macaca sinica*	Upper first incisor (left)	-15.1	0.2	-5.4	0.2
Fa Hien-lena	FH 28	248	*Trachypithecus vetulus*	Upper first molar (left)	-17.8	0.1	-5.5	0.2
Fa Hien-lena	FH 87	248	*Trachypithecus vetulus*	Upper first incisor (right)	-15.2	0.1	-5.5	0.2
Fa Hien-lena	FH 46	248	*Trachypithecus vetulus*	Lower second molar (left)	-17.7	0.2	-5.0	0.1

Balangoda Kuragala	BK 1	4	*Axis axis*	Second premolar (left)	-12.0	0.1	-4.9	0.1
Balangoda Kuragala	BK 70	4	*Hystrix indica*	Lower third molar (left)	-12.9	0.1	-5.4	0.1
Balangoda Kuragala	BK 5	4	*Hystrix indica*	Lower molar (left)	-12.1	0.1	-5.1	0.2
Balangoda Kuragala	BK 43	4	*Macaca sinica*	Lower third molar (right)	-13.4	0.1	-5.1	0.1
Balangoda Kuragala	BK 119	4	*Macaca sinica*	Upper second molar (left)	-13.9	0.2	-7.8	0.4
Balangoda Kuragala	BK 45	4	*Macaca sinica*	Lower third molar (right)	-13.5	0.1	-3.6	0.1
Balangoda Kuragala	BK 48	4	*Tragulus meminna*	Lower first molar (right)	-12.8	0.1	-4.3	0.2
Balangoda Kuragala	BK 78	4	*Muntiacus muntjak*	Second molar (left)	-13.2	0.1	-9.0	0.1
Balangoda Kuragala	BK 10	4	*Paradoxurus* sp.	Lower molar (left)	-12.9	0.1	-5.1	0.2
Balangoda Kuragala	BK 49	4	*Ratufa macroura*	Lower third molar (right)	-12.8	0.1	-4.2	0.2
Balangoda Kuragala	BK 47	4	*Semnopithecus priam thersites*	Upper third molar (left)	-13.3	0.1	-3.2	0.2
Balangoda Kuragala	BK 120	4	*Semnopithecus priam thersites*	Lower second premolar (right)	-13.5	0.1	-3.8	0.1
Balangoda Kuragala	BK 42	4	*Semnopithecus priam thersites*	Lower third molar (right)	-13.8	0.1	-1.8	0.1
Balangoda Kuragala	BK 68	6	*Macaca sinica*	Lower third molar (right)	-13.9	0.1	-5.3	0.1
Balangoda Kuragala	BK 80	6	*Macaca sinica*	Lower second	-13.4	0.1	-5.7	0.2

				molar (right)				
Balangoda Kuragala	BK 115	6	*Macaca sinica*	Upper third molar (right)	-15.2	0.1	-3.2	0.2
Balangoda Kuragala	BK 44	6	*Macaca sinica*	Lower third molar (left)	-13.2	0.1	-6.4	0.2
Balangoda Kuragala	BK 36	6	*Tragulus meminna*	Lower third molar (right)	-12.9	0.1	-7.8	0.1
Balangoda Kuragala	BK 56	6	*Paradoxurus* sp.	Premolar (right)	-12.5	0.1	-7.5	0.1
Balangoda Kuragala	BK 124	6	*Paradoxurus* sp.	Upper molar (right)	-12.4	0.1	-6.4	0.1
Balangoda Kuragala	BK 15	6	*Petaurista philippensis*	Upper third molar (right)	-14.5	0.1	-7.4	0.1
Balangoda Kuragala	BK 58	6	*Pteropus giganteus*	Fragment of molar	-12.4	0.1	-6.9	0.1
Balangoda Kuragala	BK 88	6	*Ratufa macroura*	Lower third molar (right)	-13.4	0.1	-5.9	0.2
Balangoda Kuragala	BK 123	6	*Ratufa macroura*	Lower third molar (left)	-13.2	0.1	-5.1	0.2
Balangoda Kuragala	BK 92	6	*Semnopithecus priam thersites*	Lower third molar (left)	-13.8	0.1	-5.9	0.2
Balangoda Kuragala	BK 19	6	*Semnopithecus priam thersites*	Lower third molar (left)	-14.5	0.1	-4.2	0.1
Balangoda Kuragala	BK 52	6	*Semnopithecus priam thersites*	Lower third molar (left)	-13.9	0.1	-5.5	0.2
Balangoda Kuragala	BK 100	6	*Sus scrofa*	Fragment of molar/premolar	-5.3	0.1	-1.8	0.1
Balangoda Kuragala	BK 77	7	*Axis axis*	Lower premolar (left)	-11.7	0.1	-5.7	0.1
Balangoda Kuragala	BK 118	7	*Hystrix indica*	Fragment of	-13.2	0.1	-5.7	0.1

				molar/pre molar				
Balangoda Kuragala	BK 38	7	*Macaca sinica*	Lower third molar (left)	-14.3	0.1	-6.1	0.2
Balangoda Kuragala	BK 107	7	*Macaca sinica*	Lower second molar (left)	-14.7	0.1	-5.1	0.2
Balangoda Kuragala	BK 63	7	*Macaca sinica*	Lower second molar (left)	-14.5	0.1	-4.3	0.2
Balangoda Kuragala	BK 12	7	*Paradoxurus* sp.	Upper second molar (right)	-12.9	0.1	-5.3	0.1
Balangoda Kuragala	BK 28	7	*Petaurista philippensis*	Upper third molar	-12.6	0.1	-6.0	0.1
Balangoda Kuragala	BK 76	7	*Petaurista philippensis*	Lower third molar (left)	-13.3	0.1	-6.2	0.2
Balangoda Kuragala	BK 86	7	*Pteropus giganteus*	Lower molar	-13.4	0.1	-5.5	0.1
Balangoda Kuragala	BK 127	7	*Rattus* sp.	Lower third molar (right)	-12.1	0.1	-6.0	0.2
Balangoda Kuragala	BK 55	7	*Ratufa macroura*	Upper molar	-12.7	0.1	-6.0	0.1
Balangoda Kuragala	BK 111	7	*Semnopithecus priam thersites*	Lower first molar (left)	-13.7	0.1	-5.7	0.2
Balangoda Kuragala	BK 18	7	*Semnopithecus priam thersites*	Upper second molar (left)	-13.6	0.1	-4.4	0.2
Balangoda Kuragala	BK 3	7	*Semnopithecus priam thersites*	Lower third molar (right)	-13.8	0.1	-4.0	0.1
Balangoda Kuragala	BK 129	7	*Sus scrofa*	Lower canine (right)	-12.4	0.1	-5.1	0.2
Balangoda Kuragala	BK 121*	7	*Sus scrofa*	Upper canine (right)	-11.9	0.1	-4.8	0.1
Balangoda Kuragala	BK 90	7	*Tragulus meminna*	Lower molar (right)	-12.0	0.1	-6.4	0.1

Balangoda Kuragala	BK 128	8	*Herpestes* sp.	Premolar (left)	-12.4	0.1	-7.5	0.2
Balangoda Kuragala	BK 11	8	*Macaca sinica*	Upper second molar (right)	-13.7	0.1	-3.6	0.2
Balangoda Kuragala	BK 24	8	*Macaca sinica*	Lower third molar (left)	-13.5	0.1	-6.5	0.2
Balangoda Kuragala	BK 32	8	*Macaca sinica*	Upper second molar (right)	-13.5	0.1	-5.4	0.1
Balangoda Kuragala	BK 73	8	*Paradoxurus* sp.	Upper third molar (left)	-13.6	0.1	-5.0	0.2
Balangoda Kuragala	BK 65	8	*Petaurista philippensis*	Lower third molar (right)	-12.7	0.1	-5.9	0.2
Balangoda Kuragala	BK 125	8	*Petaurista philippensis*	Upper molar	-13.1	0.1	-6.1	0.2
Balangoda Kuragala	BK 106	8	*Ratufa macroura*	Fragment of upper incisor	-13.2	0.1	-4.8	0.1
Balangoda Kuragala	BK 72	8	*Semnopithecus priam thersites*	Lower third molar (right)	-14.2	0.1	-6.8	0.1
Balangoda Kuragala	BK 27	8	*Semnopithecus priam thersites*	Lower third molar (left)	-13.8	0.1	-5.4	0.1
Balangoda Kuragala	BK 67	8	*Semnopithecus priam thersites*	Lower third molar (right)	-14.3	0.1	-5.4	0.2
Balangoda Kuragala	BK 25	8	*Semnopithecus priam thersites*	Lower second molar (left)	-13.8	0.1	-7.3	0.1
Balangoda Kuragala	BK 97*	8	*Sus scrofa*	Lower first incisor (right)	-9.6	0.1	-3.1	0.1
Balangoda Kuragala	BK 35*	14	*Cervus unicolor*	Lower second premolar (right)	-12.0	0.1	-5.4	0.2
Balangoda Kuragala	BK 8	14	*Hystrix indica*	Upper molar	-13.4	0.1	-4.9	0.2
Balangoda	BK 104	14	*Macaca sinica*	Upper	-13.7	0.1	-4.5	0.2

Kuragala				third molar (left)				
Balangoda Kuragala	BK 4	14	*Macaca sinica*	Upper third molar (left)	-13.0	0.1	-6.9	0.1
Balangoda Kuragala	BK 40	14	*Macaca sinica*	Third molar (left)	-13.6	0.1	-5.9	0.2
Balangoda Kuragala	BK 126	14	*Paradoxurus* sp.	Lower second molar (left)	-11.9	0.1	-6.0	0.1
Balangoda Kuragala	BK 82	14	*Rattus* sp.	Fragment of lower incisor	-12.5	0.1	-8.3	0.1
Balangoda Kuragala	BK 7	14	*Semnopithecus priam thersites*	Lower second molar (right)	-13.5	0.1	-6.7	0.2
Balangoda Kuragala	BK 96	14	*Semnopithecus priam thersites*	Lower third molar (left)	-14.5	0.1	-4.9	0.1
Balangoda Kuragala	BK 41	14	*Semnopithecus priam thersites*	Upper third molar (left)	-13.9	0.1	-3.7	0.1
Balangoda Kuragala	BK 83	14	*Viverricula indica*	Lower canine (left)	-13.3	0.1	-5.0	0.2
Balangoda Kuragala	BK 29	15	*Axis axis*	Upper molar (right)	-12.1	0.1	-6.2	0.2
Balangoda Kuragala	BK 37*	15	*Cervus unicolor*	First premolar (left)	-4.9	0.1	-3.7	0.2
Balangoda Kuragala	BK 94*	15	*Cervus unicolor*	Fragment of molar	-6.1	0.1	-3.5	0.2
Balangoda Kuragala	BK 16	15	*Macaca sinica*	Lower third molar (right)	-13.1	0.1	-5.5	0.1
Balangoda Kuragala	BK 31	15	*Macaca sinica*	Lower third molar (right)	-13.4	0.1	-2.7	0.1
Balangoda Kuragala	BK 20	15	*Macaca sinica*	Lower third molar (right)	-13.0	0.1	-5.8	0.2
Balangoda Kuragala	BK 75	15	*Tragulus meminna*	Lower third	-12.9	0.1	-3.5	0.1

				molar (right)				
Balangoda Kuragala	BK 30	15	*Paradoxurus* sp.	Lower second molar	-12.2	0.1	-5.9	0.1
Balangoda Kuragala	BK 81	15	*Paradoxurus* sp.	Lower second molar (right)	-11.6	0.1	-2.9	0.2
Balangoda Kuragala	BK 50	15	*Petaurista philippensis*	Upper molar (left)	-13.7	0.1	-3.5	0.2
Balangoda Kuragala	BK 85	15	*Rattus* sp.	Lower third molar (right)	-11.4	0.1	-5.5	0.2
Balangoda Kuragala	BK 116	15	*Ratufa macroura*	Fragment of upper incisor	-11.5	0.1	-4.6	0.1
Balangoda Kuragala	BK 101	15	*Semnopithecus priam thersites*	First molar (right)	-15.7	0.1	-3.5	0.2
Balangoda Kuragala	BK 13	15	*Semnopithecus priam thersites*	Upper first molar (right)	-14.5	0.1	-5.1	0.1
Balangoda Kuragala	BK 6	15	*Semnopithecus priam thersites*	Lower third molar (right)	-13.5	0.1	-1.7	0.1
Balangoda Kuragala	BK 2	15	*Sus scrofa*	Upper first incisor (left)	-13.1	0.1	-5.4	0.2
Balangoda Kuragala	BK 84	16	*Cervus unicolor*	Upper second molar (right)	-11.6	0.1	-4.5	0.1
Balangoda Kuragala	BK 144*	16	*Elephas* sp.	Molar	-7.8	0.1	-2.7	0.1
Balangoda Kuragala	BK 69	16	*Hystrix indica*	First premolar (right)	-13.0	0.1	-5.0	0.1
Balangoda Kuragala	BK 17	16	*Lepus nigricollis*	Fragment of molar/premolar	-3.3	0.1	-3.8	0.1
Balangoda Kuragala	BK 113	16	*Macaca sinica*	Upper first premolar (right)	-13.6	0.1	-4.5	0.2
Balangoda Kuragala	BK 9	16	*Macaca sinica*	Upper second molar	-14.3	0.1	-5.0	0.2

				(left)				
Balangoda Kuragala	BK 23	16	*Macaca sinica*	Lower third molar (right)	-13.9	0.1	-3.4	0.1
Balangoda Kuragala	BK 110	16	*Paradoxurus* sp.	Lower third molar (right)	-12.5	0.1	-1.7	0.1
Balangoda Kuragala	BK 54	16	*Ratufa macroura*	Upper second molar (right)	-12.5	0.1	-5.1	0.1
Balangoda Kuragala	BK 22	16	*Semnopithecus priam thersites*	Lower second molar (right)	-14.7	0.1	-2.5	0.1
Balangoda Kuragala	BK 112	16	*Semnopithecus priam thersites*	Upper third molar (left)	-14.2	0.1	-2.1	0.3
Balangoda Kuragala	BK 62	16	*Semnopithecus priam thersites*	Lower second molar (right)	-14.5	0.1	-2.0	0.1
Balangoda Kuragala	BK 102	32	*Cervus unicolor*	Upper first premolar (right)	-4.1	0.1	-3.4	0.1
Balangoda Kuragala	BK 130*	32	*Elephas* sp.	Molar	-7.2	0.1	-3.4	0.2
Balangoda Kuragala	BK 98	32	*Semnopithecus priam thersites*	Lower first premolar (right)	-14.8	0.2	-5.1	0.1
Balangoda Kuragala	BK 91	33F	*Hystrix indica*	Premolar (left)	-13.3	0.1	-5.1	0.2
Balangoda Kuragala	BK 109	33F	*Macaca sinica*	Upper third molar (left)	-13.2	0.1	-3.2	0.2
Balangoda Kuragala	BK 60	33F	*Macaca sinica*	Lower third molar (left)	-14.0	0.1	-5.1	0.2
Balangoda Kuragala	BK 95	33F	*Macaca sinica*	Lower third molar (left)	-14.8	0.1	-3.1	0.2
Balangoda Kuragala	BK 51	33F	*Macaca sinica*	Upper incisor (left)	-13.9	0.1	-5.3	0.2
Balangoda Kuragala	BK 71	33F	*Tragulus meminna*	Lower third	-12.1	0.1	-6.0	0.2

				molar				
Balangoda Kuragala	BK 34	33F	*Muntiacus muntjak*	Fragment of upper molar	-12.5	0.1	-5.5	0.2
Balangoda Kuragala	BK 33	33F	*Paradoxurus* sp.	Upper second premolar (left)	-12.8	0.1	-6.2	0.1
Balangoda Kuragala	BK 122	33F	*Pteropus giganteus*	Molar	-13.6	0.1	-4.9	0.1
Balangoda Kuragala	BK 74	33F	*Ratufa macroura*	Fragment of incisor	-13.0	0.1	-5.0	0.2
Balangoda Kuragala	BK 64	33F	*Semnopithecus priam thersites*	Lower first incisor (left)	-14.2	0.1	-4.9	0.1
Balangoda Kuragala	BK 57	33F	*Semnopithecus priam thersites*	Lower second molar (right)	-14.1	0.1	-6.6	0.1
Balangoda Kuragala	BK 59	33F	*Semnopithecus priam thersites*	Lower first premolar (left)	-14.9	0.1	-3.7	0.2
Balangoda Kuragala	BK 117	33F	*Semnopithecus priam thersites*	Lower first incisor (right)	-14.3	0.1	-4.9	0.1
Balangoda Kuragala	BK 21	37	*Macaca sinica*	Upper first molar (right)	-13.9	0.1	-4.7	0.1
Balangoda Kuragala	BK 61	37	*Macaca sinica*	Upper third molar (left)	-13.7	0.1	-4.5	0.2
Balangoda Kuragala	BK 39	37	*Macaca sinica*	Upper third molar (right)	-13.7	0.1	-4.6	0.2
Balangoda Kuragala	BK 14	37	*Paradoxurus* sp.	Lower second molar (right)	-12.6	0.1	-4.1	0.2
Balangoda Kuragala	BK 87	37	*Pteropus giganteus*	Fragment of molar	-13.0	0.2	-6.4	0.1
Balangoda Kuragala	BK 66	37	*Ratufa macroura*	Lower third molar (right)	-12.9	0.1	-6.3	0.2
Bellan-bandi Palassa	BBP 1	10	*Hystrix indica*	Upper first molar (left)	-11.5	0.1	-5.1	0.1

Bellan-bandi Palassa	BBP 28	10	*Macaca sinica*	Upper first incisor (left)	-13.3	0.1	-7.3	0.1
Bellan-bandi Palassa	BBP 22	10	*Macaca sinica*	Upper first premolar (left)	-14.2	0.1	-2.8	0.2
Bellan-bandi Palassa	BBP 19	10	*Macaca sinica*	Lower second molar (right)	-10.6	0.1	-5.0	0.1
Bellan-bandi Palassa	BBP 7	10	*Macaca sinica*	Upper third molar (right)	-11.8	0.1	-4.7	0.1
Bellan-bandi Palassa	BBP 8	10	*Macaca sinica*	Lower third molar (right)	-13.8	0.1	-6.1	0.1
Bellan-bandi Palassa	BBP 23	10	*Paradoxurus* sp.	Lower second molar (left)	-13.8	0.1	-6.6	0.1
Bellan-bandi Palassa	BBP 14	10	*Petinomys fuscocapillus*	Upper molar/premolar	-13.1	0.1	-6.2	0.1
Bellan-bandi Palassa	BBP 26	10	*Ratufa macroura*	Lower incisor (left)	-12.1	0.1	-6.4	0.1
Bellan-bandi Palassa	BBP 17	10	*Semnopithecus priam thersites*	Lower second premolar (left)	-13.4	0.1	-3.3	0.1
Bellan-bandi Palassa	BBP 11	10	*Semnopithecus priam thersites*	Upper second premolar (left)	-14.5	0.1	-6.1	0.2
Bellan-bandi Palassa	BBP 12	10	*Semnopithecus priam thersites*	Lower second premolar (right)	-14.3	0.1	-4.0	0.1
Bellan-bandi Palassa	BBP 24	10	*Semnopithecus priam thersites*	Second premolar (left)	-13.9	0.1	-4.2	0.1
Bellan-bandi Palassa	BBP 5	10	*Semnopithecus priam thersites*	Lower second molar (left)	-11.5	0.1	-6.4	0.2
Bellan-bandi Palassa	BBP 2	10	*Sus scrofa*	Upper incisor (left)	-10.0	0.1	-5.5	0.1
Bellan-bandi	BBP 18	10	*Trachypithecus vetulus*	Upper first	-13.3	0.1	-6.7	0.2

Palassa				incisor (left)				
Bellan-bandi Palassa	BBP 10	10	*Trachypithecus vetulus*	Fragment of molar	-14.0	0.1	-4.2	0.1
Bellan-bandi Palassa	BBP 25	10	*Trachypithecus vetulus*	Lower canine (right)	-14.6	0.1	-6.0	0.2
Bellan-bandi Palassa	BBP 21	10	*Trachypithecus vetulus*	Lower first molar (right)	-13.7	0.1	-4.7	0.1
Bellan-bandi Palassa	BBP 6	10	*Trachypithecus vetulus*	Lower first molar (left)	-11.4	0.1	-4.7	0.1
Bellan-bandi Palassa	BBP 13	10	*Trachypithecus vetulus*	Lower third molar (left)	-13.1	0.1	-4.4	0.1
Bellan-bandi Palassa	BBP 20	10	*Trachypithecus vetulus*	Lower canine (right)	-13.5	0.1	-3.6	0.1
Bellan-bandi Palassa	BBP 3	10	*Trachypithecus vetulus*	Upper second premolar (right)	-9.5	0.1	-5.1	0.1
Bellan-bandi Palassa	BBP 16	10	*Trachypithecus vetulus*	Upper second premolar (left)	-14.0	0.1	-2.7	0.1
Bellan-bandi Palassa	BBP 15	10	*Trachypithecus vetulus*	Lower second molar (left)	-13.7	0.1	-5.1	0.1
Bellan-bandi Palassa	BBP 9	10	*Trachypithecus vetulus*	Lower third molar (right)	-12.3	0.1	-4.3	0.1
Bellan-bandi Palassa	BBP 4	10	*Trachypithecus vetulus*	Lower second molar (left)	-14.8	0.1	-4.4	0.1
Batadomba-lena	BDL 30	4	*Hystrix indica*	Upper second molar (right)	-14.5	0.1	-4.1	0.1
Batadomba-lena	BDL 1	4	*Macaca sinica*	Upper third molar (right)	-12.7	0.1	-3.4	0.1
Batadomba-lena	BDL 2	4	*Macaca sinica*	Upper canine	-13.2	0.1	-3.2	0.2
Batadomba	BDL 3	4	*Macaca sinica*	Fragment	-13.9	0.1	-3.4	0.1

-lena				of upper canine				
Batadomba-lena	BDL 4	4	*Macaca sinica*	Lower canine	-14.7	0.1	-4.7	0.1
Batadomba-lena	BDL 5	4	*Macaca sinica*	Fragment of lower canine	-13.1	0.1	-3.3	0.1
Batadomba-lena	BDL 6	4	*Macaca sinica*	Third molar	-13.7	0.1	-3.5	0.1
Batadomba-lena	BDL 29	4	*Macaca sinica*	Upper first molar (left)	-12.6	0.1	-5.6	0.1
Batadomba-lena	BDL 46	4	*Macaca sinica*	Upper second molar (left)	-14.7	0.1	-3.9	0.2
Batadomba-lena	BDL 51	4	*Macaca sinica*	Lower molar (left)	-15.3	0.1	-4.0	0.1
Batadomba-lena	BDL 57	4	*Macaca sinica*	Lower second molar (left)	-14.0	0.1	-3.3	0.1
Batadomba-lena	BDL 58	4	*Macaca sinica*	Upper second premolar (left)	-15.6	0.1	-2.9	0.1
Batadomba-lena	BDL 61	4	*Macaca sinica*	Upper first molar	-15.6	0.1	-4.9	0.1
Batadomba-lena	BDL 63	4	*Macaca sinica*	Upper second molar (left)	-15.3	0.1	-4.1	0.1
Batadomba-lena	BDL 65	4	*Macaca sinica*	Lower second molar (right)	-14.7	0.1	-4.2	0.1
Batadomba-lena	BDL 9	4	*Trachypithecus vetulus*	Upper third molar (left)	-15.0	0.1	-4.5	0.1
Batadomba-lena	BDL 37	4	*Trachypithecus vetulus*	Lower third molar (left)	-13.0	0.1	-4.8	0.1
Batadomba-lena	BDL 38	4	*Trachypithecus vetulus*	Lower canine (right)	-15.4	0.1	-4.8	0.2
Batadomba-lena	BDL 39	4	*Trachypithecus vetulus*	Lower first molar (left)	-13.0	0.1	-4.4	0.1

Batadomba-lena	BDL 42	4	*Trachypithecus vetulus*	Third molar (left)	-14.0	0.1	-3.7	0.1
Batadomba-lena	BDL 43	4	*Trachypithecus vetulus*	Lower third molar (left)	-15.0	0.1	-4.0	0.1
Batadomba-lena	BDL 45	4	*Trachypithecus vetulus*	Lower third molar (left)	-15.4	0.1	-5.4	0.1
Batadomba-lena	BDL 47	4	*Trachypithecus vetulus*	Lower third molar (left)	-16.0	0.1	-4.5	0.1
Batadomba-lena	BDL 54	4	*Trachypithecus vetulus*	Lower third molar (left)	-13.2	0.1	-3.5	0.1
Batadomba-lena	BDL 56	4	*Trachypithecus vetulus*	Lower second molar	-16.5	0.1	-4.7	0.1
Batadomba-lena	BDL 24	5	*Hystrix indica*	Upper second molar (left)	-15.2	0.1	-4.9	0.1
Batadomba-lena	BDL 12	5	*Macaca sinica*	Upper second molar (left)	-13.6	0.1	-2.8	0.2
Batadomba-lena	BDL 25	5	*Macaca sinica*	Upper second premolar (left)	-13.4	0.1	-5.1	0.1
Batadomba-lena	BDL 31	5	*Macaca sinica*	Upper canine (left)	-14.9	0.1	-4.4	0.1
Batadomba-lena	BDL 35	5	*Macaca sinica*	Lower third molar (right)	-14.4	0.1	-5.1	0.1
Batadomba-lena	BDL 48	5	*Macaca sinica*	Second molar (right)	-13.2	0.1	-4.7	0.1
Batadomba-lena	BDL 50	5	*Macaca sinica*	Third molar (left)	-14.3	0.1	-5.0	0.1
Batadomba-lena	BDL 64	5	*Macaca sinica*	Upper second molar	-15.3	0.1	-5.0	0.1
Batadomba-lena	BDL 23	5	*Tragulus meminna*	Lower third molar (left)	-11.5	0.1	-3.7	0.1

Batadomba-lena	BDL 28	5	*Muntiacus muntjak*	First premolar (left)	-12.0	0.1	-6.5	0.1
Batadomba-lena	BDL 21	5	*Paradoxurus* sp.	Upper second molar (right)	-11.9	0.1	-4.4	0.1
Batadomba-lena	BDL 27	5	*Paradoxurus* sp.	Lower second molar (left)	-12.6	0.1	-5.1	0.1
Batadomba-lena	BDL 14	5	*Ratufa macroura*	Upper third molar (right)	-13.8	0.1	-5.4	0.1
Batadomba-lena	BDL 44	5	*Ratufa macroura*	Lower third molar (left)	-13.7	0.1	-3.9	0.2
Batadomba-lena	BDL 15	5	*Trachypithecus vetulus*	Lower first molar	-13.8	0.1	-4.1	0.1
Batadomba-lena	BDL 16	5	*Trachypithecus vetulus*	Upper third molar (left)	-15.1	0.1	-4.7	0.1
Batadomba-lena	BDL 22	5	*Trachypithecus vetulus*	Upper second molar (left)	-14.6	0.1	-3.4	0.1
Batadomba-lena	BDL 26	5	*Trachypithecus vetulus*	Lower third molar (right)	-15.1	0.1	-2.6	0.1
Batadomba-lena	BDL 32	5	*Trachypithecus vetulus*	Lower third molar (left)	-15.3	0.1	-3.2	0.2
Batadomba-lena	BDL 36	5	*Trachypithecus vetulus*	Lower second molar (left)	-15.1	0.1	-4.7	0.1
Batadomba-lena	BDL 40	5	*Trachypithecus vetulus*	Lower third molar (left)	-14.6	0.1	-4.7	0.1
Batadomba-lena	BDL 41	5	*Trachypithecus vetulus*	Lower third molar (left)	-15.5	0.1	-6.2	0.1
Batadomba-lena	BDL 49	5	*Trachypithecus vetulus*	Third molar (left)	-12.5	0.1	-3.3	0.1
Batadomba	BDL 52	5	*Trachypithecus*	Third	-14.4	0.1	-3.2	0.1

-lena			*vetulus*	molar (left)				
Batadomba-lena	BDL 60	5	*Trachypithecus vetulus*	Lower third molar (left)	-14.0	0.1	-3.8	0.1
Batadomba-lena	BDL 17	6	*Hystrix indica*	Lower premolar	-13.4	0.1	-6.3	0.1
Batadomba-lena	BDL 8	6	*Macaca sinica*	Upper canine (right)	-12.1	0.1	-4.3	0.1
Batadomba-lena	BDL 18	6	*Macaca sinica*	Third molar (left)	-14.0	0.1	-2.4	0.2
Batadomba-lena	BDL 1980 23	6	*Macaca sinica*	Lower second molar (left)	-14.9	0.1	-3.0	0.1
Batadomba-lena	BDL 1980 27	6	*Macaca sinica*	Lower canine	-14.6	0.1	-2.6	0.1
Batadomba-lena	BDL 1980 30	6	*Macaca sinica*	Lower third molar (left)	-13.8	0.1	-4.5	0.1
Batadomba-lena	BDL 1980 32	6	*Macaca sinica*	Lower first premolar (right)	-14.4	0.1	-1.8	0.1
Batadomba-lena	BDL 1980 38	6	*Macaca sinica*	Premolar	-13.4	0.1	-2.6	0.1
Batadomba-lena	BDL 13	6	*Rattus* sp.	Upper incisor (left)	-14.6	0.1	-5.3	0.1
Batadomba-lena	BDL 20	6	*Rattus* sp.	Lower incisor (left)	-15.4	0.1	-4.5	0.1
Batadomba-lena	BDL 19	6	*Trachypithecus vetulus*	Lower first premolar (right)	-13.6	0.1	-5.1	0.1
Batadomba-lena	BDL 53	6	*Trachypithecus vetulus*	Second molar (left)	-13.3	0.1	-4.5	0.1
Batadomba-lena	BDL 55	6	*Trachypithecus vetulus*	Lower third molar	-14.4	0.1	-3.4	0.1
Batadomba-lena	BDL 1980 24	6	*Trachypithecus vetulus*	Lower canine (left)	-13.7	0.0	-3.0	0.2
Batadomba-lena	BDL 1980 25	6	*Trachypithecus vetulus*	Upper canine (right)	-14.7	0.0	-3.1	0.2
Batadomba-lena	BDL 1980 26	6	*Trachypithecus vetulus*	Upper first	-14.5	0.1	-2.7	0.2

				premolar (right)				
Batadomba-lena	BDL 1980 28	6	*Trachypithecus vetulus*	Lower second molar	-16.0	0.1	-2.6	0.1
Batadomba-lena	BDL 1980 31	6	*Trachypithecus vetulus*	Lower second molar	-15.7	0.1	-3.0	0.1
Batadomba-lena	BDL 1980 36	6	*Trachypithecus vetulus*	Upper molar	-16.4	0.1	-2.5	0.1
Batadomba-lena	BDL 1980 37	6	*Trachypithecus vetulus*	Incisor	-14.8	0.1	-2.1	0.1
Batadomba-lena	BDL 7	7a	*Macaca sinica*	Upper incisor (right)	-13.1	0.1	-4.3	0.1
Batadomba-lena	BDL 10	7a	*Macaca sinica*	Upper second premolar (right)	-15.2	0.1	-5.4	0.1
Batadomba-lena	BDL 1980 10	7a	*Macaca sinica*	Upper premolar	-13.9	0.1	-2.8	0.1
Batadomba-lena	BDL 1980 9	7a	*Paradoxurus* sp.	Lower premolar (right)	-12.6	0.1	-4.6	0.1
Batadomba-lena	BDL 11	7a	*Trachypithecus vetulus*	Lower second premolar (left)	-15.1	0.1	-3.2	0.1
Batadomba-lena	BDL 1980 22	7b	*Hystrix indica*	Premolar	-16.5	0.1	-4.0	0.1
Batadomba-lena	BDL 1980 1	7b	*Macaca sinica*	Lower canine (left)	-14.3	0.1	-3.1	0.2
Batadomba-lena	BDL 1980 2	7b	*Macaca sinica*	Lower second incisor (left)	-15.3	0.1	-6.5	0.2
Batadomba-lena	BDL 1980 3	7b	*Macaca sinica*	Upper first premolar (right)	-14.3	0.1	-5.3	0.1
Batadomba-lena	BDL 1980 4	7b	*Macaca sinica*	Lower first incisor (left)	-14.8	0.1	-6.8	0.2
Batadomba-lena	BDL 1980 39	7b	*Macaca sinica*	Upper molar	-13.0	0.1	-2.0	0.1
Batadomba-lena	BDL 1980 5	7c	*Macaca sinica*	Lower first incisor (left)	-14.2	0.1	-1.4	0.1
Batadomba-lena	BDL 1980 6	7c	*Macaca sinica*	Lower canine (left)	-15.2	0.1	-3.9	0.1

Batadomba-lena	BDL 1980 7	7c	*Macaca sinica*	Fragment of molar	-13.8	0.1	-2.3	0.1
Batadomba-lena	BDL 1980 8	7c	*Macaca sinica*	Upper second incisor	-14.2	0.1	-2.0	0.1
Batadomba-lena	BDL 1980 13	7c	*Macaca sinica*	Lower canine (left)	-14.6	0.0	-2.7	0.1
Batadomba-lena	BDL 1980 14	7c	*Macaca sinica*	Lower first premolar (left)	-14.3	0.1	-4.2	0.2
Batadomba-lena	BDL 1980 15	7c	*Macaca sinica*	Fragment of molar	-13.7	0.1	-2.6	0.1
Batadomba-lena	BDL 1980 16	7c	*Macaca sinica*	Lower first incisor (left)	-13.6	0.1	-2.3	0.1
Batadomba-lena	BDL 1980 18	7c	*Macaca sinica*	Upper second molar (left)	-14.4	0.1	-2.7	0.1
Batadomba-lena	BDL 1980 19	7c	*Macaca sinica*	Upper first incisor	-13.3	0.0	-1.5	0.1
Batadomba-lena	BDL 1980 33	7c	*Macaca sinica*	Upper second molar	-12.7	0.1	-1.3	0.1
Batadomba-lena	BDL 1980 17	7c	*Tragulus meminna*	Molar tooth	-11.8	0.1	-3.1	0.1
Batadomba-lena	BDL 1980 20	7c	*Petinomys fuscocapillus*	Upper molar	-10.6	0.0	-2.3	0.1
Batadomba-lena	BDL 1980 21	7c	*Ratufa macroura*	Upper incisor	-9.5	0.0	-2.2	0.2
Batadomba-lena	BDL 1980 11	7c	*Trachypithecus vetulus*	Lower canine (left)	-14.1	0.1	-4.3	0.1
Batadomba-lena	BDL 1980 12	7c	*Trachypithecus vetulus*	Fragment of molar	-10.9	0.0	-2.7	0.2
Batadomba-lena	BDL 1980 34	7c	*Trachypithecus vetulus*	Molar tooth	-17.0	0.1	-5.6	0.1

Table B14. Bulk $\delta^{13}C$ and $\delta^{18}O$ measurements of human specimens sampled in this study from the Terminal Pleistocene and Holocene layers of Fa Hien-lena and Balangoda Kuragala, and the Late Pleistocene layers of Batadomba-lena (denotes teeth subjected to intra-tooth sampling).*

Site	Sample number	Layer	Tooth	$\delta^{13}C$ (‰) (VPDB)	S.D.	$\delta^{18}O$ (‰) (VPDB)	S.D.
Fa Hien-lena	FHH 1*	248	Upper second molar (right)	-14.9	0.1	-5.0	0.1
Balangoda Kuragala	BKH 8	4	Lower incisor (right)	-5.0	0.1	-3.2	0.1
Balangoda Kuragala	BKH 10	4	Upper canine (left)	-13.0	0.2	-3.2	0.1
Balangoda Kuragala	BKH 17	4	Upper first molar (right)	-12.8	0.1	-6.1	0.1
Balangoda Kuragala	BKH 3	4	Lower incisor (right)	-12.1	0.2	-3.8	0.2
Balangoda Kuragala	BKH 11	4	Molar fragments	-12.5	0.1	-4.4	0.1
Balangoda Kuragala	BKH 7	17	Molar fragment (left)	-4.3	0.1	-3.5	0.1
Balangoda Kuragala	BKH 19*	6	Upper second molar (right)	-14.0	0.2	-8.3	0.1
Balangoda Kuragala	BKH 21*	7	Lower third molar tooth (right)	-13.7	0.1	-5.0	0.1
Balangoda Kuragala	BKH 4	7	Upper incisor (right)	-11.9	0.1	-5.2	0.1
Balangoda Kuragala	BKH 12	7	Molar fragments	-13.8	0.1	-5.0	0.1
Balangoda Kuragala	BKH 16	7	Upper canine (left)	-14.1	0.2	-3.8	0.1
Balangoda Kuragala	BKH 9	7	Upper second molar (right)	-13.1	0.1	-3.9	0.1

Balangoda Kuragala	BKH 13	8	Upper first premolar (left)	-12.5	0.2	-5.6	0.1
Balangoda Kuragala	BKH 14	8	Lower incisor (left)	-13.1	0.1	-4.1	0.1
Balangoda Kuragala	BKH 2	8	Lower incisor (left)	-12.2	0.1	-4.6	0.1
Balangoda Kuragala	BKH 5	8	Upper first molar (right)	-13.3	0.2	-4.5	0.1
Balangoda Kuragala	BKH 15	14	Upper incisor (right)	-12.7	0.2	-4.3	0.1
Balangoda Kuragala	BKH 1	15	Lower first molar (left)	-13.1	0.2	-3.7	0.2
Balangoda Kuragala	BKH 6	15	Upper right premolar (right)	-13.9	0.1	-5.2	0.1
Batadomba-lena	BDH 1	6b	Upper premolar (right)	-12.8	0.1	-2.5	0.1
Batadomba-lena	BDH 2	6b	Molar fragment	-12.6	0.1	-4.3	0.2
Batadomba-lena	BDH 3	6b	Upper first molar (right)	-12.7	0.1	-3.2	0.1
Batadomba-lena	BDH 4	6b	Molar fragment	-12.3	0.1	-3.2	0.2
Batadomba-lena	BDH 5*	6b	Lower second molar (left)	-12.5	0.1	-6.1	0.1
Batadomba-lena	BDH 6*	6b	Lower first molar (right)	-12.9	0.1	-3.8	0.1
Batadomba-lena	BDH 7	6b	Lower molar crown	-13.0	0.1	-4.6	0.2
Batadomba-lena	BDH 8	6b	Lower premolar fragments (left)	-12.9	0.1	-2.5	0.1
Batadomba-lena	BDH 9	6b	Lower premolar	-12.5	0.2	-2.6	0.2

			fragments (right)				
Batadomba-lena	BDH 10	6b	Upper premolar fragments (left)	-12.2	0.1	-2.1	0.1
Batadomba-lena	BDH 11	6b	Upper first incisor (right)	-12.6	0.1	-3.2	0.1
Batadomba-lena	BDH 12	6b	Lower second incisor (left)	-12.8	0.1	-3.0	0.1
Batadomba-lena	BDH 13	6b	Lower canine	-12.5	0.1	-2.3	0.1
Batadomba-lena	BDH 14	6b	Upper first molar (left)	-12.7	0.1	-2.6	0.1
Batadomba-lena	BDH 15	6b	Lower upper second incisor	-12.9	0.1	-2.3	0.1
Batadomba-lena	BDH 16	6b	Lower third molar fragments (right)	-12.5	0.1	-2.6	0.1
Batadomba-lena	BDH 17*	6b	Lower second molar (right)	-12.8	0.1	-3.3	0.1
Batadomba-lena	BDH 18	6b	Lower incisor	-12.7	0.1	-2.7	0.1
Batadomba-lena	BDH 19	6b	Premolar	-12.3	0.1	-2.7	0.1
Batadomba-lena	BDH 20	6b/7a	Fragments	-13.1	0.1	-4.2	0.1
Batadomba-lena	BDH 21*	6b/7a	Upper first molar (right)	-12.2	0.1	-2.8	0.2
Batadomba-lena	BDH 22*	6b/7a	Upper first incisor (right)	-12.4	0.1	-3.0	0.1
Batadomba-lena	BDH 23	7c	Upper second incisor (left)?	-14.9	0.1	-2.0	0.1

Table B15. $\delta^{13}C$ and $\delta^{18}O$ measurements obtained for the NBS-19 standard in this study, including mean and standard deviation.

$\delta^{13}C$ (‰) (VPDB)	$\delta^{18}O$ (‰) (VPDB)
1.9	-2.1
1.9	-2.2
1.9	-2.3
1.9	-2.3
2.0	-2.0
2.1	-2.0
2.0	-2.1
1.8	-2.4
1.7	-2.5
1.9	-2.4
1.6	-2.6
1.9	-2.2
1.9	-2.1
1.9	-2.1
2.1	-2.0
2.0	-2.1
2.0	-2.0
1.9	-2.2
1.9	-2.2
1.9	-2.1
1.9	-2.1
1.7	-3.2
2.1	-2.1
1.7	-2.5
1.9	-2.1
1.9	-2.2
1.9	-2.3
1.9	-2.3
2.0	-2.0
2.1	-2.0
2.0	-2.1
1.8	-2.4
1.7	-2.5
1.9	-2.4
1.6	-2.6
1.9	-2.2
1.9	-2.1
1.9	-2.1
2.1	-2.0
2.0	-2.1
2.0	-2.0
1.9	-2.2
1.9	-2.2
1.9	-2.1

AVERAGE=1.9	**AVERAGE**=-2.2
SD=0.1	**SD**=0.2

Table B16. $\delta^{13}C$ and $\delta^{18}O$ measurements obtained for the MERCK standard in this study, including mean and standard deviation.

$\delta^{13}C$ (‰) (VPDB)	**$\delta^{18}O$ (‰) (VPDB)**
-35.5	-16.9
-35.4	-17.0
-35.6	-17.0
-35.4	-17.2
-35.6	-17.2
-35.5	-16.9
-35.5	-17.3
-35.4	-17.0
-35.5	-16.9
-35.6	-17.0
-35.4	-16.9
-35.4	-16.9
-34.8	-16.7
-35.4	-17.0
-35.3	-17.0
-35.3	-16.9
-35.4	-17.1
-35.4	-17.2
-35.7	-17.6
-35.2	-17.0
-35.3	-16.8
-35.6	-17.0
-35.4	-17.0
-35.5	-16.9
-35.5	-17.0
-35.2	-16.9
-35.6	-17.0
-35.4	-16.9
-35.4	-16.9
-34.8	-16.7
-35.4	-17.0
-35.4	-17.0
-35.5	-16.9
-35.4	-16.9
-35.2	-17.0
-35.4	-17.0
-35.5	-16.9
-35.4	-17.2
-35.3	-17.2
-35.7	-17.4
-35.2	-17.0
-35.4	-17.2
-35.7	-17.6
-35.2	-17.0

AVERAGE=-35.4	**AVERAGE**=-17.0
SD=0.2	**SD**=0.2

Table B17. Results of ANOVA for $\delta^{13}C$ by layer and species for Fa Hien-lena fossil fauna.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Layer	9	26.268	2.919	4.620	0.000
Species	9	35.204	3.912	6.191	0.000
Residuals	66	41.697	0.632		

*p=<0.05

Table B18. Results of post-hoc Tukey pair-wise comparison for $\delta^{13}C$ by layer and species for Fa Hien-lena fossil fauna. 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.

Layer	Difference	Lower	Upper	P-value*
136-134	-1.955	-4.673	0.764	0.370
139-134	-1.700	-4.430	1.030	0.575
141-134	-2.767	-5.510	-0.023	0.046
169-134	-1.871	-4.654	0.911	0.466
174-134	-2.533	-5.277	0.210	0.094
214-134	-1.733	-4.477	1.010	0.555
217-134	-1.600	-4.510	1.310	0.732
247-134	-2.738	-5.402	-0.074	0.039
248-134	-3.250	-6.160	-0.340	0.017
139-136	0.255	-0.883	1.392	0.999
141-136	-0.812	-1.982	0.358	0.420
169-136	0.083	-1.175	1.341	1.000
174-136	-0.579	-1.749	0.591	0.834
214-136	0.221	-0.949	1.391	1.000
217-136	0.355	-1.165	1.874	0.999
247-136	-0.784	-1.752	0.185	0.217
248-136	-1.295	-2.815	0.224	0.161
141-139	-1.067	-2.262	0.129	0.120
169-139	-0.171	-1.454	1.111	1.000
174-139	-0.933	-2.029	0.362	0.414
214-139	-0.033	-1.229	1.162	1.000
217-139	0.100	-1.440	1.640	1.000
247-139	-1.038	-2.038	-0.038	0.036
248-139	-1.550	-3.090	-0.010	0.047
169-141	0.895	-0.416	2.207	0.444
174-141	0.233	-0.993	1.460	1.000
214-141	1.033	-0.193	2.260	0.173
217-141	1.167	-0.397	2.731	0.319
247-141	0.029	-1.008	1.065	1.000
248-141	-0.483	-2.047	1.081	0.991
174-169	-0.662	-1.973	0.650	0.817
214-169	0.138	-1.173	1.450	1.000
217-169	0.271	-1.360	1.903	1.000
247-169	-0.867	-2.002	0.269	0.289
248-169	-1.379	-3.010	0.253	0.170
214-174	0.800	-0.427	2.027	0.510
217-174	0.933	-0.631	2.497	0.633
247-174	-0.205	-1.242	0.832	1.000
248-174	-0.717	-2.281	0.847	0.887
217-214	0.133	-1.431	1.697	1.000
247-214	-1.005	-2.042	0.032	0.065
248-214	-1.517	-3.081	0.047	0.065
247-217	-1.138	-2.558	0.282	0.227
248-217	-1.650	-3.490	0.190	0.116

248-247	-0.512	-1.932	0.908	0.972
Species				
Hystrix indica-Herpestes sp.	-1.252	-4.162	1.657	0.920
Macaca sinica-Herpestes sp.	0.007	-2.633	2.648	1.000
Paradoxurus sp.*-Herpestes* sp.	0.115	-2.736	2.966	1.000
Petaurista philippensis-Herpestes sp.	-0.738	-4.419	2.942	1.000
Petinomys fuscocapillus-Herpestes sp.	0.262	-3.419	3.942	1.000
Ratufa macroura-Herpestes sp.	-0.859	-3.620	1.901	0.990
Semnopithecus priam thersites-Herpestes sp.	-0.843	-3.753	2.067	0.994
Trachypithecus vetulus-Herpestes sp.	-1.236	-3.888	1.416	0.877
Tragulus meminna-Herpestes sp.	1.316	-2.364	4.997	0.974
Macaca sinica-Hystrix indica	1.260	-0.116	2.635	0.100
Paradoxurus sp.*-Hystrix indica*	1.367	-0.379	3.113	0.256
Petaurista philippensis-Hystrix indica	0.514	-2.395	3.424	1.000
Petinomys fuscocapillus-Hystrix indica	1.514	-1.395	4.424	0.789
Ratufa macroura-Hystrix indica	0.393	-1.201	1.987	0.998
Semnopithecus priam thersites-Hystrix indica	0.409	-1.431	2.250	0.999
Trachypithecus vetulus-Hystrix indica	0.016	-1.392	1.414	1.000
Tragulus meminna-Hystrix indica	2.569	-0.341	5.478	0.129
Paradoxurus sp.*-Macaca sinica*	0.107	-1.139	1.354	1.000
Petaurista philippensis-Macaca sinica	-0.745	-3.386	1.895	0.995
Petinomys fuscocapillus-Macaca sinica	0.255	-2.386	2.895	1.000
Ratufa macroura-Macaca sinica	-0.867	-1.889	0.156	0.167
Semnopithecus priam thersites-Macaca sinica	-0.850	-2.226	0.525	0.586
Trachypithecus vetulus-Macaca sinica	-1.244	-1.922	-0.566	0.000
Tragulus meminna-Macaca sinica	1.309	01.331	3.950	0.832
Petaurista philippensis-Paradoxurus sp.	-0.853	-3.704	1.998	0.992
Petinomys fuscocapillus-Paradoxurus sp.	0.147	-2.704	2.998	1.000
Ratufa macroura-Paradoxurus sp.	-0.974	-2.458	0.510	0.501
Semnopithecus priam thersites-Paradoxurus sp.	-0.958	-2.703	0.788	0.735
Trachypithecus vetulus-Paradoxurus sp.	-1.351	-2.622	-0.090	0.028
Tragulus meminna-Paradoxurus sp.	1.202	-1.649	4.053	0.929
Petinomys fuscocapillus-Petaurista philippensis	1.000	-2.680	4.680	0.996
Ratufa macroura-Petaurista philippensis	-0.121	-2.882	2.639	1.000
Semnopithecus priam thersites-Petaurista philippensis	-0.105	-3.015	2.805	1.000
Trachypithecus vetulus-Petaurista philippensis	-0.498	-3.150	2.154	1.000

Tragulus meminna-Petaurista philippensis	2.055	-1.626	5.735	0.715
Ratufa macroura-Petinomys fuscocapillus	-1.121	-3.882	1.639	0.943
Semnopithecus priam thersites-Petinomys fuscocapillus	-1.105	-4.015	1.805	0.962
Trachypithecus vetulus-Petinomys fuscocapillus	-1.498	-4.150	1.154	0.702
Tragulus meminna-Petinomys fuscocapillus	1.055	-2.626	4.735	0.995
Semnopithecus priam thersites-Ratufa macroura	0.016	-1.577	1.610	1.000
Trachypithecus vetulus-Ratufa macroura	-0.377	-1.429	0.675	0.974
Tragulus meminna-Ratufa macroura	2.176	-0.585	4.936	0.247
Trachypithecus vetulus-Semnopithecus priam thersites	-0.393	-1.791	1.004	0.995
Tragulus meminna-Semnopithecus priam thersites	2.159	-0.750	5.069	0.326
Tragulus meminna-Trachypithecus vetulus	2.553	-0.099	5.205	0.069

*p=<0.05

Table B19. Results of ANOVA for $\delta^{18}O$ by layer and species for Fa Hien-lena fossil fauna.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Layer	9	49.991	5.555	3.429	0.002
Species	9	18.039	2.004	1.237	0.288
Residuals	66	106.906	1.620		

*p=<0.05

Table B20. Results of post-hoc Tukey pair-wise comparison for $\delta^{18}O$ by layer and species for Fa Hien-lena fossil fauna. 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.

Layer	Difference	Lower	Upper	P-value*
136-134	0.636	-3.716	4.989	1.000
139-134	0.680	-3.691	5.051	1.000
141-134	1.167	-3.226	5.559	0.997
169-134	1.286	-3.169	5.741	0.994
174-134	0.433	-3.959	4.826	1.000
214-134	0.722	-3.670	5.115	1.000
217-134	0.900	-3.759	5.559	1.000
247-134	-0.795	-5.060	3.470	1.000
248-134	-0.850	-5.509	3.809	1.000
139-136	0.0436	-1.777	1.864	1.000
141-136	0.530	-1.343	2.403	0.995
169-136	0.649	-1.365	2.664	0.987
174-136	-0.203	-2.076	1.670	1.000
214-136	0.086	-1.787	1.959	1.000
217-136	0.264	-2.169	2.697	1.000
247-136	-1.433	-2.983	0.119	0.095
248-136	-1.486	-3.919	0.947	0.602
141-139	0.487	-1.428	2.401	0.998
169-139	0.606	-1.448	2.659	0.993
174-139	-0.247	-2.161	1.668	1.000
214-139	0.042	-1.872	1.957	1.000
217-139	0.220	-2.245	2.685	1.000
247-139	-1.475	-3.076	0.126	0.096
248-139	-1.530	-3.995	0.935	0.580
169-141	0.119	-1.981	2.219	1.000
174-141	-0.733	-2.698	1.231	0.966
214-141	-0.444	-2.409	1.520	0.999
217-141	-0.267	-2.771	2.237	1.000
247-141	-1.962	-3.622	-0.302	0.009
248-141	-2.017	-4.521	0.487	0.222
174-169	-0.852	-2.952	1.248	0.943
214-169	-0.563	-2.664	1.537	0.997
217-169	-0.386	-2.998	2.226	1.000
247-169	-2.081	-3.900	-0.262	0.013
248-169	-2.136	-4.748	0.476	0.204
214-174	0.289	-1.676	2.253	1.000
217-174	0.467	-2.037	2.971	1.000
247-174	-1.229	-2.889	0.432	0.330
248-174	-1.283	-3.787	1.221	0.804
217-214	0.178	-2.326	2.682	1.000
247-214	-1.517	-3.178	0.143	0.102
248-214	-1.572	-4.076	0.932	0.564
247-217	-1.695	-3.969	0.578	0.319
248-217	-1.750	-4.697	1.197	0.639

248-247	-0.055	-2.328	2.219	1.000
Species				
Hystrix indica-Herpestes sp.	-1.112	-5.770	3.547	0.999
Macaca sinica-Herpestes sp.	0.738	-3.490	4.966	1.000
Paradoxurus sp.-*Herpestes* sp.	0.575	-3.990	5.140	1.000
Petaurista philippensis-Herpestes sp.	-0.575	-6.468	5.318	1.000
Petinomys fuscocapillus-Herpestes sp.	0.625	-5.268	6.518	1.000
Ratufa macroura-Herpestes sp.	1.177	-3.243	5.596	0.997
Semnopithecus priam thersites-Herpestes sp.	0.765	-3.894	5.424	1.000
Trachypithecus vetulus-Herpestes sp.	0.562	-3.685	4.808	1.000
Tragulus meminna-Herpestes sp.	0.768	-5.125	6.662	1.000
Macaca sinica-Hystrix indica	1.849	-0.353	4.052	0.176
Paradoxurus sp.-*Hystrix indica*	1.687	-1.109	4.482	0.619
Petaurista philippensis-Hystrix indica	0.536	-4.123	5.195	1.000
Petinomys fuscocapillus-Hystrix indica	1.736	-2.923	6.395	0.966
Ratufa macroura-Hystrix indica	2.288	-0.264	4.840	0.116
Semnopithecus priam thersites-Hystrix indica	1.877	-1.070	4.823	0.544
Trachypithecus vetulus-Hystrix indica	1.673	-0.565	3.911	0.316
Tragulus meminna-Hystrix indica	1.880	-2.779	6.539	0.945
Paradoxurus sp.-*Macaca sinica*	-0.163	-2.159	1.833	1.000
Petaurista philippensis-Macaca sinica	-1.313	-5.541	2.915	0.990
Petinomys fuscocapillus-Macaca sinica	-0.113	-4.341	4.115	1.000
Ratufa macroura-Macaca sinica	0.439	-1.199	2.076	0.997
Semnopithecus priam thersites-Macaca sinica	0.0274	-2.175	2.230	1.000
Trachypithecus vetulus-Macaca sinica	-0.176	-1.262	0.909	1.000
Tragulus meminna-Macaca sinica	0.031	-4.197	4.259	1.000
Petaurista philippensis-Paradoxurus sp.	-1.150	-5.715	3.414	0.998
Petinomys fuscocapillus-Paradoxurus sp.	0.050	-4.515	4.614	1.000
Ratufa macroura-Paradoxurus sp.	0.601	-1.774	2.977	0.998
Semnopithecus priam thersites-Paradoxurus sp.	0.190	-2.605	2.985	1.000
Trachypithecus vetulus-Paradoxurus sp.	-0.013	-2.048	2.021	1.000
Tragulus meminna-Paradoxurus sp.	0.193	-4.372	4.758	1.000
Petinomys fuscocapillus-Petaurista philippensis	1.200	-4.693	7.093	1.000
Ratufa macroura-Petaurista philippensis	1.752	-2.668	6.172	0.951
Semnopithecus priam thersites-Petaurista philippensis	1.340	-3.319	5.999	0.994
Trachypithecus vetulus-Petaurista philippensis	1.137	-3.110	5.383	0.997
Tragulus meminna-Petaurista philippensis	1.344	-4.550	7.237	0.999
Ratufa macroura-Petinomys fuscocapillus	0.552	-3.868	4.972	1.000

Semnopithecus priam thersites-Petinomys fuscocapillus	0.140	-4.519	4.799	1.000
Trachypithecus vetulus-Petinomys fuscocapillus	-0.063	-4.310	4.183	1.000
Tragulus meminna-Petinomys fuscocapillus	0.144	-5.750	6.037	1.000
Semnopithecus priam thersites-Ratufa macroura	-0.411	-2.963	2.140	1.000
Trachypithecus vetulus-Ratufa macroura	-0.615	-2.300	1.070	0.971
Tragulus meminna-Ratufa macroura	-0.408	-4.828	4.012	1.000
Trachypithecus vetulus-Semnopithecus priam thersites	-0.204	-2.442	2.034	1.000
Tragulus meminna-Semnopithecus priam thersites	0.003	-4.656	4.662	1.000
Tragulus meminna-Trachypithecus vetulus	0.207	-4.040	4.453	1.000

*p=<0.05

Table B21. Sequential $\delta^{13}C$ and $\delta^{18}O$ measurements from human specimen FHH 1 (Fa Hien-lena – Layer 248).

Distance from root-enamel junction	**$\delta^{13}C$ (‰) (VPDB)**	**Standard deviation**	**$\delta^{18}O$ (‰) (VPDB)**	**Standard deviation**
2	-15.7	0.1	-5.6	0.1
6	-14.6	0.1	-4.7	0.2
10	-15.1	0.1	-4.2	0.1
14	-14.8	0.3	-5.1	0.1
BULK	-14.9	0.1	-5.0	0.1

Table B22. Fauna habitat groups at Balangoda Kuragala, layer, species, $\delta^{13}C$, $\delta^{18}O$ as well as results of quadratic discriminant function analysis with Jacknifed – reclassification (Mahalanobis squared distance to group centroid (Distance), predicted group membership (Predicted), and posterior probabilities of group membership (Probability). See also Lounon et al. *(2007).*

Group	Layer	Species	$\delta^{13}C$	$\delta^{18}O$	Distance	Predicted	Probability
IZ	4	*Hystrix indica*	-12.9	-5.4	0.232	IZ	1.000
IZ	4	*Hystrix indica*	-12.1	-5.1	2.110	IZ	1.000
IZ	4	*Macaca sinica*	-13.4	-5.1	0.010	IZ	1.000
IZ	4	*Macaca sinica*	-13.9	-7.8	5.201	IZ	1.000
IZ	4	*Macaca sinica*	-13.5	-3.6	1.194	IZ	1.000
IZ	4	*Tragulus meminna*	-12.8	-4.3	0.944	IZ	1.000
IZ	4	*Muntiacus muntjak*	-13.2	-9	8.133	IZ	1.000
IZ	4	*Paradoxurus sp.*	-12.9	-5.1	0.247	IZ	1.000
IZ	4	*Ratufa macroura*	-12.8	-4.2	1.065	IZ	1.000
IZ	4	*Semnopithecus priam thersites*	-13.3	-3.2	2.050	IZ	1.000
IZ	4	*Semnopithecus priam thersites*	-13.5	-3.8	0.898	IZ	1.000
IZ	4	*Semnopithecus priam thersites*	-13.8	-1.8	5.674	IZ	0.999
IZ	6	*Macaca sinica*	-13.9	-5.3	0.560	IZ	1.000
IZ	6	*Macaca sinica*	-13.4	-5.7	0.220	IZ	1.000
IZ	6	*Macaca sinica*	-15.2	-3.2	5.420	IZ	1.000
IZ	6	*Macaca sinica*	-13.2	-6.4	0.855	IZ	1.000
IZ	6	*Tragulus meminna*	-12.9	-7.8	3.692	IZ	1.000
IZ	6	*Paradoxurus sp.*	-12.5	-7.5	3.164	IZ	1.000
IZ	6	*Paradoxurus sp.*	-12.4	-6.4	1.545	IZ	1.000
IZ	6	*Petaurista philippensis*	-14.5	-7.4	6.156	IZ	1.000
IZ	6	*Pteropus giganteus*	-12.4	-6.9	2.176	IZ	1.000
IZ	6	*Ratufa macroura*	-13.4	-5.9	0.379	IZ	1.000
IZ	6	*Ratufa macroura*	-13.2	-5.1	0.019	IZ	1.000
IZ	6	*Semnopithecus priam thersites*	-13.8	-5.9	0.853	IZ	1.000
IZ	6	*Semnopithecus priam thersites*	-14.5	-4.2	1.967	IZ	1.000
IZ	6	*Semnopithecus priam thersites*	-13.9	-5.5	0.677	IZ	1.000

IZ	7	*Axis axis*	-11.7	-5.7	3.457	IZ	1.000
IZ	7	*Hystrix indica*	-13.2	-5.7	0.173	IZ	1.000
IZ	7	*Macaca sinica*	-14.3	-6.1	2.376	IZ	1.000
IZ	7	*Macaca sinica*	-14.7	-5.1	2.734	IZ	1.000
IZ	7	*Macaca sinica*	-14.5	-4.3	1.927	IZ	1.000
IZ	7	*Paradoxurus sp.*	-12.9	-5.3	0.226	IZ	1.000
IZ	7	*Petaurista philippensis*	-12.6	-6	0.858	IZ	1.000
IZ	7	*Petaurista philippensis*	-13.3	-6.2	0.638	IZ	1.000
IZ	7	*Pteropus giganteus*	-13.4	-5.5	0.106	IZ	1.000
IZ	7	*Rattus* sp.	-12.1	-6	2.024	IZ	1.000
IZ	7	*Ratufa macroura*	-12.7	-6	0.710	IZ	1.000
IZ	7	*Semnopithecus priam thersites*	-13.7	-5.7	0.505	IZ	1.000
IZ	7	*Semnopithecus priam thersites*	-13.6	-4.4	0.308	IZ	1.000
IZ	7	*Semnopithecus priam thersites*	-13.8	-4	0.777	IZ	1.000
IZ	7	*Sus scrofa*	-12.4	-5.1	1.197	IZ	1.000
IZ	7	*Sus scrofa*	-11.9	-4.8	3.116	IZ	1.000
IZ	7	*Tragulus meminna*	-12	-6.4	2.574	IZ	1.000
IZ	8	*Herpestes sp.*	-12.4	-7.5	3.298	IZ	1.000
IZ	8	*Macaca sinica*	-13.7	-3.6	1.216	IZ	1.000
IZ	8	*Macaca sinica*	-13.5	-6.5	1.224	IZ	1.000
IZ	8	*Macaca sinica*	-13.5	-5.4	0.118	IZ	1.000
IZ	8	*Paradoxurus sp.*	-13.6	-5	0.110	IZ	1.000
IZ	8	*Petaurista philippensis*	-12.7	-5.9	0.647	IZ	1.000
IZ	8	*Petaurista philippensis*	-13.1	-6.1	0.497	IZ	1.000
IZ	8	*Ratufa macroura*	-13.2	-4.8	0.092	IZ	1.000
IZ	8	*Semnopithecus priam thersites*	-14.2	-6.8	3.383	IZ	1.000
IZ	8	*Semnopithecus priam thersites*	-13.8	-5.4	0.446	IZ	1.000
IZ	8	*Semnopithecus priam thersites*	-14.3	-5.4	1.564	IZ	1.000
IZ	8	*Semnopithecus priam thersites*	-13.8	-7.3	3.464	IZ	1.000
IZ	14	*Cervus unicolor*	-12	-5.4	2.329	IZ	1.000
IZ	14	*Hystrix indica*	-13.4	-4.9	0.029	IZ	1.000

IZ	14	*Macaca sinica*	-13.7	-4.5	0.314	IZ	1.000
IZ	14	*Macaca sinica*	-13	-6.9	1.629	IZ	1.000
IZ	14	*Macaca sinica*	-13.6	-5.9	0.559	IZ	1.000
IZ	14	*Paradoxurus sp.*	-11.9	-6.0	2.691	IZ	1.000
IZ	14	*Rattus* sp.	-12.5	-8.3	5.317	IZ	1.000
IZ	14	*Semnopithecus priam thersites*	-13.5	-6.7	1.568	IZ	1.000
IZ	14	*Semnopithecus priam thersites*	-14.5	-4.9	1.916	IZ	1.000
IZ	14	*Semnopithecus priam thersites*	-13.9	-3.7	1.216	IZ	1.000
IZ	14	*Viverricula indica*	-13.3	-5	0.009	IZ	1.000
IZ	15	*Axis axis*	-12.1	-6.2	2.127	IZ	1.000
IZ	15	*Macaca sinica*	-13.1	-5.5	0.106	IZ	1.000
IZ	15	*Macaca sinica*	-13.4	-2.7	3.150	IZ	1.000
IZ	15	*Macaca sinica*	-13	-5.8	0.295	IZ	1.000
IZ	15	*Tragulus meminna*	-12.9	-3.5	2.008	IZ	1.000
IZ	15	*Paradoxurus sp.*	-12.2	-5.9	1.694	IZ	1.000
IZ	15	*Paradoxurus sp.*	-11.6	-2.9	8.696	IZ	0.999
IZ	15	*Petaurista philippensis*	-13.7	-3.5	1.371	IZ	1.000
IZ	15	*Rattus sp.*	-11.4	-5.5	4.958	IZ	1.000
IZ	15	*Ratufa macroura*	-11.5	-4.6	5.280	IZ	1.000
IZ	15	*Semnopithecus priam thersites*	-15.7	-3.5	7.768	IZ	1.000
IZ	15	*Semnopithecus priam thersites*	-14.5	-5.1	2.001	IZ	1.000
IZ	15	*Semnopithecus priam thersites*	-13.5	-1.7	6.216	IZ	0.999
IZ	15	*Sus scrofa*	-13.1	-5.4	0.080	IZ	1.000
IZ	16	*Cervus unicolor*	-11.6	-4.5	4.897	IZ	1.000
IZ	16	*Hystrix indica*	-13	-5	0.165	IZ	1.000
IZ	16	*Macaca sinica*	-13.6	-4.5	0.247	IZ	1.000
IZ	16	*Macaca sinica*	-14.3	-5	1.344	IZ	1.000
IZ	16	*Macaca sinica*	-13.9	-3.4	1.654	IZ	1.000
IZ	16	*Paradoxurus sp.*	-12.5	-1.7	8.715	IZ	0.987
IZ	16	*Ratufa macroura*	-12.5	-5.1	0.950	IZ	1.000
IZ	16	*Semnopithecus priam thersites*	-14.7	-2.5	4.835	IZ	1.000
IZ	16	*Semnopithecus*	-14.2	-2.1	4.908	IZ	1.000

		priam thersites					
IZ	16	*Semnopithecus priam thersites*	-14.5	-2	5.654	IZ	1.000
IZ	32	*Semnopithecus priam thersites*	-14.8	-5.1	3.143	IZ	1.000
IZ	33F	*Hystrix indica*	-13.3	-5.1	0.001	IZ	1.000
IZ	33F	*Macaca sinica*	-13.2	-3.2	2.158	IZ	1.000
IZ	33F	*Macaca sinica*	-14	-5.1	0.668	IZ	1.000
IZ	33F	*Macaca sinica*	-14.8	-3.1	4.002	IZ	1.000
IZ	33F	*Macaca sinica*	-13.9	-5.3	0.560	IZ	1.000
IZ	33F	*Tragulus meminna*	-12.1	-6	2.024	IZ	1.000
IZ	33F	*Muntiacus muntjak*	-12.5	-5.5	0.877	IZ	1.000
IZ	33F	*Paradoxurus sp.*	-12.8	-6.2	0.759	IZ	1.000
IZ	33F	*Pteropus giganteus*	-13.6	-4.9	0.115	IZ	1.000
IZ	33F	*Ratufa macroura*	-13	-5	0.165	IZ	1.000
IZ	33F	*Semnopithecus priam thersites*	-14.2	-4.9	1.059	IZ	1.000
IZ	33F	*Semnopithecus priam thersites*	-14.1	-6.6	2.642	IZ	1.000
IZ	33F	*Semnopithecus priam thersites*	-14.9	-3.7	3.652	IZ	1.000
IZ	33F	*Semnopithecus priam thersites*	-14.3	-4.9	1.316	IZ	1.000
IZ	37	*Macaca sinica*	-13.9	-4.7	0.474	IZ	1.000
IZ	37	*Macaca sinica*	-13.7	-4.5	0.314	IZ	1.000
IZ	37	*Macaca sinica*	-13.7	-4.6	0.269	IZ	1.000
IZ	37	*Paradoxurus sp.*	-12.6	-4.1	1.642	IZ	1.000
IZ	37	*Pteropus giganteus*	-13	-6.4	0.856	IZ	1.000
IZ	37	*Ratufa macroura*	-12.9	-6.3	0.783	IZ	1.000
IZ	4	*Axis axis*	-12	-4.9	2.621	IZ	1.000
OZ	6	*Sus scrofa*	-5.3	-1.8	5.328	OZ	1.000
OZ	8	*Sus scrofa*	-9.6	-3.1	3.066	OZ	1.000
OZ	15	*Cervus unicolor*	-4.9	-3.7	0.763	OZ	1.000
OZ	15	*Cervus unicolor*	-6.1	-3.5	0.276	OZ	1.000
OZ	16	*Elephas sp.*	-7.8	-2.7	0.987	OZ	1.000
OZ	16	*Lepus nigricollis*	-3.3	-3.8	2.126	OZ	1.000
OZ	32	*Cervus unicolor*	-4.1	-3.4	0.879	OZ	1.000

OZ	32	*Elephas sp.*	-7.2	-3.4	0.576	OZ	1.000

*p=<0.05

Table B23. Sequential $\delta^{13}C$ and $\delta^{18}O$ measurements from Elephas *sp. specimen BK 144 (Balangoda Kuragala – Layer 16).*

Distance from root-enamel junction	**$\delta^{13}C$ (‰) (VPDB)**	**Standard deviation**	**$\delta^{18}O$ (‰) (VPDB)**	**Standard deviation**
2	-7.2	0.1	-2.7	0.1
6	-7.1	0.1	-2.5	0.2
10	-7.4	0.1	-2.9	0.1
14	-7.6	0.1	-3.0	0.1
18	-7.0	0.1	-2.4	0.1
22	-7.3	0.1	-2.4	0.2
26	-7.7	0.1	-3.2	0.1
30	-7.3	0.1	-2.8	0.2
34	-7.2	0.1	-2.7	0.2
38	-7.5	0.1	-2.5	0.1
42	-7.1	0.1	-2.1	0.1
46	-7.5	0.1	-2.6	0.1
50	-8.0	0.1	-3.0	0.1
54	-7.3	0.1	-2.3	0.2
58	-7.7	0.1	-2.8	0.1
62	-7.6	0.1	-2.6	0.1
BULK	-7.8	0.1	-2.7	0.1

Table B24. Sequential $\delta^{13}C$ and $\delta^{18}O$ measurements from Elephas *sp. specimen BK 130 (Balangoda Kuragala – Layer 32).*

Distance from root-enamel junction	**$\delta^{13}C$ (‰) (VPDB)**	**Standard deviation**	**$\delta^{18}O$ (‰) (VPDB)**	**Standard deviation**
2	-6.9	0.1	-2.6	0.1
6	-6.5	0.1	-2.6	0.2
10	-8.8	0.1	-3.7	0.1
14	-6.7	0.1	-4.0	0.1
18	-5.7	0.1	-3.0	0.1
22	-7.3	0.1	-3.0	0.2
26	-7.8	0.1	-3.0	0.1
30	-8.5	0.1	-3.2	0.2
34	-6.0	0.1	-2.6	0.2
38	-8.0	0.1	-4.2	0.1
BULK	-7.2	0.1	-3.4	0.2

Table B25. Sequential $\delta^{13}C$ and $\delta^{18}O$ measurements from Sus scrofa *specimen BK 121 (Balangoda Kuragala – Layer 7).*

Distance from root-enamel junction	**$\delta^{13}C$ (‰) (VPDB)**	**Standard deviation**	**$\delta^{18}O$ (‰) (VPDB)**	**Standard deviation**
2	-11.6	0.1	-4.2	0.1
6	-11.7	0.1	-4.6	0.2
10	-12.2	0.1	-5.4	0.1
14	-11.9	0.1	-5.5	0.1
18	-12.3	0.1	-6.0	0.1
22	-12.3	0.1	-6.3	0.2
26	-12.3	0.1	-6.4	0.1
BULK	-11.9	0.1	-4.8	0.1

Table B26. Sequential $\delta^{13}C$ and $\delta^{18}O$ measurements from Sus scrofa *specimen BK 97 (Balangoda Kuragala – Layer 8).*

Distance from root-enamel junction	**$\delta^{13}C$ (‰) (VPDB)**	**Standard deviation**	**$\delta^{18}O$ (‰) (VPDB)**	**Standard deviation**
2	-9.6	0.1	-2.8	0.1
6	-9.9	0.1	-2.6	0.2
10	-9.4	0.1	-3.1	0.1
14	-9.3	0.1	-3.3	0.1
18	-10.2	0.1	-3.6	0.1
22	-10.7	0.1	-4.4	0.2
26	-11.5	0.1	-4.6	0.1
30	-11.5	0.1	-4.7	0.2
BULK	-9.6	0.1	-3.1	0.1

Table B27. Sequential $\delta^{13}C$ and $\delta^{18}O$ measurements from Cervus unicolor *specimen BK 35 (Balangoda Kuragala – Layer 14).*

Distance from root-enamel junction	**$\delta^{13}C$ (‰) (VPDB)**	**Standard deviation**	**$\delta^{18}O$ (‰) (VPDB)**	**Standard deviation**
2	-12.6	0.1	-5.0	0.1
6	-12.5	0.1	-4.2	0.2
10	-12.5	0.1	-4.4	0.1
14	-11.7	0.1	-5.3	0.1
BULK	-12.0	0.1	-5.4	0.2

Table B28. Sequential $\delta^{13}C$ and $\delta^{18}O$ measurements from Cervus unicolor *specimen BK 37 (Balangoda Kuragala – Layer 15).*

Distance from root-enamel junction	**$\delta^{13}C$ (‰) (VPDB)**	**Standard deviation**	**$\delta^{18}O$ (‰) (VPDB)**	**Standard deviation**
2	-4.7	0.1	-4.1	0.2
6	-4.5	0.1	-4.2	0.1
10	-4.7	0.1	-3.6	0.1
14	-6.8	0.1	-4.7	0.1
18	-4.1	0.1	-3.9	0.1
BULK	-4.9	0.1	-3.7	0.2

Table B29. Sequential $\delta^{13}C$ and $\delta^{18}O$ measurements from Cervus unicolor *specimen BK 94 (Balangoda Kuragala – Layer 15).*

Distance from root-enamel junction	**$\delta^{13}C$ (‰) (VPDB)**	**Standard deviation**	**$\delta^{18}O$ (‰) (VPDB)**	**Standard deviation**
2	-7.5	0.2	-4.1	0.1
6	-3.4	0.1	-3.4	0.2
10	-1.0	0.1	-2.5	0.1
14	-2.5	0.1	-3.8	0.1
BULK	-6.1	0.1	-3.5	0.2

Table B30. Results of ANOVA for $\delta^{13}C$ by layer and species for Balangoda Kuragala fossil fauna.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Layer	9	82.201	9.134	7.582	0.000
Species	16	313.623	19.601	16.272	0.000
Residuals	94	113.235	1.205		

*p=<0.05

Table B31. Results of post-hoc Tukey pair-wise comparison for $\delta^{13}C$ by layer and species for Balangoda Kuragala fossil fauna. 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.

Layer	Difference	Lower	Upper	P-value*
15-14	1.165	-0.228	2.559	0.185
16-14	1.051	-0.434	2.536	0.403
32-14	4.509	2.192	6.826	0.000
33F-14	-0.412	-1.846	1.021	0.995
37-14	-0.091	-1.896	1.714	1.000
4-14	0.124	-1.333	1.582	1.000
6-14	0.242	-1.170	1.654	1.000
7-14	0.103	-1.273	1.480	1.000
8-14	0.024	-1.433	1.482	1.000
16-15	-0.115	-1.473	1.244	1.000
32-15	3.344	1.106	5.582	0.000
33F-15	-1.578	-2.879	-0.276	0.006
37-15	-1.256	-2.959	0.447	0.343
4-15	-1.041	-2.369	0.287	0.262
6-15	-0.923	-2.201	0.356	0.374
7-15	-1.062	-2.301	0.177	0.159
8-15	-1.141	-2.469	0.187	0.157
32-16	3.458	1.162	5.754	0.000
33F-16	-1.463	-2.862	-0.064	0.033
37-16	-1.142	-2.920	0.637	0.546
4-16	-0.926	-2.350	0.498	0.527
6-16	-0.808	-2.186	0.569	0.668
7-16	-0.948	-2.289	0.394	0.405
8-16	-1.026	-2.450	0.398	0.376
33F-32	-4.921	-7.185	-2.658	0.000
37-32	-4.600	-7.115	-2.085	0.000
4-32	-4.385	-6.663	-2.106	0.000
6-32	-4.267	-6.516	-2.017	0.000
7-32	-4.406	-6.633	-2.178	0.000
8-32	-4.485	-6.763	-2.206	0.000
37-33F	0.321	-1.414	2.057	1.000
4-33F	0.537	-0.833	1.907	0.958
6-33F	0.655	-0.667	1.977	0.842
7-33F	0.516	-0.768	1.799	0.951
8-33F	0.437	-0.933	1.807	0.989
4-37	0.215	-1.540	1.971	1.000
6-37	0.333	-1.385	2.052	1.000
7-37	0.194	-1.495	1.883	1.000
8-37	0.115	-1.640	1.871	1.000
6-4	0.118	-1.230	1.466	1.000
7-4	-0.021	-1.332	1.289	1.000
8-4	-0.100	-1.495	1.295	1.000
7-6	-0.139	-1.399	1.121	1.000

8-6	-0.218	-1.566	1.130	1.000
8-7	-0.079	-1.389	1.232	1.000
Species				
Cervus unicolor-Axis axis	3.080	0.230	5.929	0.021
Elephas sp.-*Axis axis*	2.118	-1.444	5.680	0.778
Herpestes sp.-*Axis axis*	-0.027	-4.533	4.479	1.000
Hystrix indica-Axis axis	-0.751	-3.510	2.009	1.000
Lepus nigricollis-Axis axis	8.047	3.541	12.553	0.000
Macaca sinica-Axis axis	-1.601	-3.967	0.766	0.578
Muntiacus muntjak-Axis axis	-0.308	-3.871	3.254	1.000
Paradoxurus sp.-*Axis axis*	-0.467	-3.009	2.074	1.000
Petaurista philippensis-Axis axis	-1.196	-3.955	1.563	0.980
Pteropus giganteus-Axis axis	-0.663	-3.643	2.317	1.000
Rattus sp.-*Axis axis*	-0.025	-3.211	3.161	1.000
Ratufa macroura-Axis axis	-0.675	-3.276	1.927	1.000
Semnopithecus priam thersites-Axis axis	-2.133	-4.507	0.242	0.132
Sus scrofa-Axis axis	1.610	-1.240	4.460	0.837
Tragulus meminna-Axis axis	-0.387	-3.237	2.463	1.000
Viverricula indica-Axis axis	-0.902	-5.408	3.604	1.000
Elephas sp.-*Cervus unicolor*	-0.962	-4.227	2.303	1.000
Herpestes sp.-*Cervus unicolor*	-3.106	-7.381	1.168	0.450
Hystrix indica-Cervus unicolor	-3.830	-6.193	-1.467	0.000
Lepus nigricollis-Cervus unicolor	4.967	0.693	9.242	0.008
Macaca sinica-Cervus unicolor	-4.680	-6.570	-2.791	0.000
Muntiacus muntjak-Cervus unicolor	-3.388	-6.653	-0.123	0.034
Paradoxurus sp.-*Cervus unicolor*	-3.547	-5.652	-1.442	0.000
Petaurista philippensis-Cervus unicolor	-4.276	-6.639	-1.913	0.000
Pteropus giganteus-Cervus unicolor	-3.742	-6.360	-1.125	0.000
Rattus sp.-*Cervus unicolor*	-3.105	-5.955	-0.255	0.019
Ratufa macroura-Cervus unicolor	-3.754	-5.931	-1.578	0.000
Semnopithecus priam thersites-Cervus unicolor	-5.212	-7.112	-3.312	0.000
Sus scrofa-Cervus unicolor	-1.470	-3.938	0.998	0.776
Tragulus meminna-Cervus unicolor	-3.467	-5.935	-0.999	0.000
Viverricula indica-Cervus unicolor	-3.982	-8.257	0.293	0.097
Herpestes sp.-*Elephas* sp.	-2.145	-6.924	2.635	0.973
Hystrix indica-Elephas sp.	-2.869	-6.055	0.318	0.129
Lepus nigricollis-Elephas sp.	5.929	1.150	10.708	0.003
Macaca sinica-Elephas sp.	-3.718	-6.571	-0.866	0.001
Muntiacus muntjak-Elephas sp.	-2.426	-6.328	1.476	0.716
Paradoxurus sp.-*Elephas* sp.	-2.585	-5.585	0.415	0.178
Petaurista philippensis-Elephas sp.	-3.314	-6.500	-0.128	0.033
Pteropus giganteus-Elephas sp.	-2.781	-6.160	0.599	0.241
Rattus sp.-*Elephas* sp.	-2.143	-5.705	1.419	0.762
Ratufa macroura-Elephas sp.	-2.792	-5.843	0.258	0.113
Semnopithecus priam thersites-	-4.250	-7.110	-1.391	0.000

Elephas sp.				
Sus scrofa-Elephas sp.	-0.508	-3.773	2.757	1.000
Tragulus meminna-Elephas sp.	-2.505	-5.770	0.760	0.354
Viverricula indica-Elephas sp.	-3.020	-7.799	1.759	0.691
Hystrix indica-Herpestes sp.	-0.724	-4.939	3.491	1.000
Lepus nigricollis-Herpestes sp.	8.074	2.555	13.592	0.000
Macaca sinica-Herpestes sp.	-1.574	-5.543	2.395	0.992
Muntiacus muntjak-Herpestes sp.	-0.282	-5.061	4.498	1.000
Paradoxurus sp.-*Herpestes* sp.	-0.441	-4.516	3.635	1.000
Petaurista philippensis-Herpestes sp.	-1.169	-5.384	3.046	1.000
Pteropus giganteus-Herpestes sp.	-0.636	-4.999	3.727	1.000
Rattus sp.-*Herpestes* sp.	0.002	-4.504	4.508	1.000
Ratufa macroura-Herpestes sp.	-0.648	-4.761	3.466	1.000
Semnopithecus priam thersites-Herpestes sp.	-2.106	-6.080	1.868	0.895
Sus scrofa-Herpestes sp.	1.637	-2.638	5.911	0.994
Tragulus meminna-Herpestes sp.	-0.360	-4.635	3.915	1.000
Viverricula indica-Herpestes sp.	-0.876	-6.394	4.643	1.000
Lepus nigricollis-Hystrix indica	8.798	4.583	13.013	0.000
Macaca sinica-Hystrix indica	-0.850	-2.600	0.900	0.946
Muntiacus muntjak-Hystrix indica	0.442	-2.744	3.629	1.000
Paradoxurus sp.-*Hystrix indica*	0.283	-1.697	2.264	1.000
Petaurista philippensis-Hystrix indica	-0.445	-2.698	1.808	1.000
Pteropus giganteus-Hystrix indica	0.088	-2.431	2.607	1.000
Rattus sp.-*Hystrix indica*	0.726	-2.034	3.485	1.000
Ratufa macroura-Hystrix indica	0.076	-1.980	2.133	1.000
Semnopithecus priam thersites-Hystrix indica	-1.382	-3.143	0.379	0.316
Sus scrofa-Hystrix indica	2.361	-0.002	4.724	0.050
Tragulus meminna-Hystrix indica	0.364	-1.999	2.727	1.000
Viverricula indica-Hystrix indica	-0.152	-4.366	4.063	1.000
Macaca sinica-Lepus nigricollis	-9.648	-13.617	-5.679	0.000
Muntiacus muntjak-Lepus nigricollis	-8.355	-13.135	-3.576	0.000
Paradoxurus sp.-*Lepus nigricollis*	-8.514	-12.590	-4.439	0.000
Petaurista philippensis-Lepus nigricollis	-9.243	-13.458	-5.028	0.000
Pteropus giganteus-Lepus nigricollis	-8.710	-13.073	-4.347	0.000
Rattus sp.-*Lepus nigricollis*	-8.072	-12.578	-3.566	0.000
Ratufa macroura-Lepus nigricollis	-8.721	-12.835	-4.608	0.000
Semnopithecus priam thersites-Lepus nigricollis	-10.179	-14.153	-6.206	0.000
Sus scrofa-Lepus nigricollis	-6.437	-10.712	-2.162	0.000
Tragulus meminna-Lepus nigricollis	-8.434	-12.709	-4.159	0.000
Viverricula indica-Lepus nigricollis	-8.949	-14.468	-3.431	0.000
Muntiacus muntjak-Macaca sinica	1.292	-1.561	4.145	0.971
Paradoxurus sp.-*Macaca sinica*	1.133	-0.248	2.515	0.246
Petaurista philippensis-Macaca sinica	0.405	-1.346	2.155	1.000
Pteropus giganteus-Macaca sinica	0.938	-1.144	3.019	0.972

Rattus sp.-*Macaca sinica*	1.576	-0.791	3.942	0.606
Ratufa macroura-Macaca sinica	0.926	-0.563	2.415	0.715
Semnopithecus priam thersites-Macaca sinica	-0.532	-1.575	0.512	0.921
Sus scrofa-Macaca sinica	3.211	1.321	5.100	0.000
Tragulus meminna-Macaca sinica	1.214	-0.676	3.103	0.665
Viverricula indica-Macaca sinica	0.698	-3.271	4.667	1.000
Paradoxurus sp.-*Muntiacus muntjak*	-0.159	-3.159	2.841	1.000
Petaurista philippensis-Muntiacus muntjak	-0.888	-4.074	2.298	1.000
Pteropus giganteus-Muntiacus muntjak	-0.355	-3.734	3.025	1.000
Rattus sp.-*Muntiacus muntjak*	0.283	-3.279	3.845	1.000
Ratufa macroura-Muntiacus muntjak	-0.366	-3.417	2.684	1.000
Semnopithecus priam thersites-Muntiacus muntjak	-1.824	-4.684	1.036	0.676
Sus scrofa-Muntiacus muntjak	1.918	-1.347	5.183	0.793
Tragulus meminna-Muntiacus muntjak	-0.079	-3.343	3.186	1.000
Viverricula indica-Muntiacus muntjak	-0.594	-5.373	4.185	1.000
Petaurista philippensis-Paradoxurus sp.	-0.729	-2.709	1.252	0.996
Pteropus giganteus-Paradoxurus sp.	-0.196	-2.474	2.083	1.000
Rattus sp.-*Paradoxurus* sp.	0.442	-2.100	2.984	1.000
Ratufa macroura-Paradoxurus sp.	-0.207	-1.961	1.547	1.000
Semnopithecus priam thersites-Paradoxurus sp.	-1.665	-3.061	-0.269	0.006
Sus scrofa-Paradoxurus sp.	2.077	-0.027	4.182	0.057
Tragulus meminna-Paradoxurus sp.	0.080	-2.024	2.185	1.000
Viverricula indica-Paradoxurus sp.	-0.435	-4.511	3.641	1.000
Pteropus giganteus-Petaurista philippensis	0.533	-1.986	3.052	1.000
Rattus sp.-*Petaurista philippensis*	1.171	-1.588	3.930	0.984
Ratufa macroura-Petaurista philippensis	0.522	-1.535	2.578	1.000
Semnopithecus priam thersites-Petaurista philippensis	-0.936	-2.698	0.825	0.892
Sus scrofa-Petaurista philippensis	2.806	0.443	5.169	0.006
Tragulus meminna-Petaurista philippensis	0.809	-1.554	3.172	0.998
Viverricula indica-Petaurista philippensis	0.294	-3.921	4.509	1.000
Rattus sp.-*Pteropus giganteus*	0.638	-2.343	3.618	1.000
Ratufa macroura-Pteropus giganteus	-0.012	-2.357	2.333	1.000
Semnopithecus priam thersites-Pteropus giganteus	-1.470	-3.560	0.621	0.510
Sus scrofa-Pteropus giganteus	2.273	-0.345	4.891	0.169
Tragulus meminna-Pteropus giganteus	0.276	-2.342	2.894	1.000
Viverricula indica-Pteropus giganteus	-0.239	-4.602	4.123	1.000
Ratufa macroura-Rattus sp.	-0.649	-3.251	1.952	1.000

Semnopithecus priam thersites-Rattus sp.	-2.107	-4.482	0.267	0.144
Sus scrofa-Rattus sp.	1.635	-1.215	4.485	0.821
Tragulus meminna-Rattus sp.	-0.362	-3.212	2.488	1.000
Viverricula indica-Rattus sp.	-0.877	-5.383	3.629	1.000
Semnopithecus priam thersites-Ratufa macroura	-1.458	-2.960	0.044	0.067
Sus scrofa-Ratufa macroura	2.284	0.108	4.461	0.030
Tragulus meminna-Ratufa macroura	0.288	-1.889	2.464	1.000
Viverricula indica-Ratufa macroura	-0.228	-4.341	3.886	1.000
Sus scrofa-Semnopithecus priam thersites	3.743	1.843	5.642	0.000
Tragulus meminna-Semnopithecus priam thersites	1.746	-0.154	3.645	0.109
Viverricula indica-Semnopithecus priam thersites	1.230	-2.744	5.204	1.000
Tragulus meminna-Sus scrofa	-1.997	-4.465	0.471	0.266
Viverricula indica-Sus scrofa	-2.512	-6.787	1.762	0.792
Viverricula indica-Tragulus meminna	-0.515	-4.790	3.759	1.000

*p=<0.05

Table B32. Results of ANOVA for $\delta^{18}O$ by layer and species for Balangoda Kuragala fossil fauna.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Layer	9	56.358	6.262	4.121	0.000
Species	16	47.982	2.999	1.974	0.023
Residuals	94	142.821	1.520		

*p=<0.05

Table B33. Results of post-hoc Tukey pair-wise comparison for $\delta^{18}O$ by layer and species for Balangoda Kuragala fossil fauna. 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.

Layer	Difference	Lower	Upper	P-value*
15-14	1.342	-0.223	2.907	0.159
16-14	2.130	0.462	3.797	0.003
32-14	1.688	-0.914	4.290	0.531
33F-14	0.690	-0.919	2.300	0.927
37-14	0.555	-1.473	2.582	0.997
4-14	0.785	-0.851	2.422	0.866
6-14	-0.012	-1.598	1.574	1.000
7-14	0.225	-1.321	1.771	1.000
8-14	0.055	-1.582	1.691	1.000
16-15	0.788	-0.738	2.313	0.808
32-15	0.346	-2.168	2.859	1.000
33F-15	-0.652	-2.114	0.810	0.909
37-15	-0.788	-2.700	1.125	0.943
4-15	-0.557	-2.048	0.935	0.969
6-15	-1.354	-2.790	0.082	0.082
7-15	-1.117	-2.508	0.275	0.232
8-15	-1.288	-2.779	0.204	0.153
32-16	-0.442	-3.020	2.137	1.000
33F-16	-1.439	-3.011	0.132	0.102
37-16	-1.575	-3.572	0.422	0.254
4-16	-1.344	-2.943	0.255	0.179
6-16	-2.142	-3.689	-0.594	0.001
7-16	-1.904	-3.411	-0.398	0.003
8-16	-2.075	-3.674	-0.476	0.002
33F-32	-0.998	-3.539	1.544	0.957
37-32	-1.133	-3.958	1.691	0.951
4-32	-0.903	-3.461	1.656	0.979
6-32	-1.700	-4.227	0.827	0.477
7-32	-1.463	-3.964	1.039	0.672
8-32	-1.633	-4.192	0.925	0.554
37-33F	-0.136	-2.085	1.814	1.000
4-33F	0.095	-1.444	1.634	1.000
6-33F	-0.702	-2.187	0.782	0.875
7-33F	-0.465	-1.907	0.977	0.988
8-33F	-0.636	-2.174	0.903	0.942
4-37	0.231	-1.741	2.202	1.000
6-37	-0.567	-2.496	1.363	0.994
7-37	-0.329	-2.226	1.568	1.000
8-37	-0.500	-2.472	1.472	0.998
6-4	-0.797	-2.311	0.716	0.789
7-4	-0.560	-2.032	0.912	0.965
8-4	-0.731	-2.298	0.836	0.884
7-6	0.237	-1.178	1.652	1.000
8-6	0.067	-1.447	1.580	1.000

8-7	-0.171	-1.642	1.301	1.000
Species				
Cervus unicolor-Axis axis	0.984	-2.217	4.184	1.000
Elephas sp.-*Axis axis*	1.425	-2.575	5.426	0.997
Herpestes sp.-*Axis axis*	-1.170	-6.231	3.890	1.000
Hystrix indica-Axis axis	0.415	-2.684	3.514	1.000
Lepus nigricollis-Axis axis	0.455	-4.606	5.515	1.000
Macaca sinica-Axis axis	0.840	-1.818	3.498	0.999
Muntiacus muntjak-Axis axis	-1.604	-5.604	2.397	0.991
Paradoxurus sp.-*Axis axis*	0.639	-2.216	3.493	1.000
Petaurista philippensis-Axis axis	0.219	-2.880	3.318	1.000
Pteropus giganteus-Axis axis	0.095	-3.252	3.442	1.000
Rattus sp.-*Axis axis*	-0.738	-4.316	2.840	1.000
Ratufa macroura-Axis axis	0.522	-2.399	3.444	1.000
Semnopithecus priam thersites-Axis axis	1.241	-1.427	3.908	0.963
Sus scrofa-Axis axis	1.977	-1.223	5.178	0.725
Tragulus meminna-Axis axis	0.178	-3.022	3.379	1.000
Viverricula indica-Axis axis	1.384	-3.676	6.445	1.000
Elephas sp.-*Cervus unicolor*	0.442	-3.225	4.108	1.000
Herpestes sp.-*Cervus unicolor*	-2.154	-6.955	2.647	0.973
Hystrix indica-Cervus unicolor	-0.569	-3.223	2.085	1.000
Lepus nigricollis-Cervus unicolor	-0.529	-5.330	4.272	1.000
Macaca sinica-Cervus unicolor	-0.144	-2.266	1.978	1.000
Muntiacus muntjak-Cervus unicolor	-2.587	-6.254	1.079	0.503
Paradoxurus sp.-*Cervus unicolor*	-0.345	-2.709	2.019	1.000
Petaurista philippensis-Cervus unicolor	-0.765	-3.418	1.889	1.000
Pteropus giganteus-Cervus unicolor	-0.889	-3.829	2.051	1.000
Rattus sp.-*Cervus unicolor*	-1.722	-4.923	1.478	0.883
Ratufa macroura-Cervus unicolor	-0.462	-2.906	1.983	1.000
Semnopithecus priam thersites-Cervus unicolor	0.257	-1.877	2.390	1.000
Sus scrofa-Cervus unicolor	0.993	-1.778	3.765	0.997
Tragulus meminna-Cervus unicolor	-0.806	-3.578	1.966	1.000
Viverricula indica-Cervus unicolor	0.400	-4.400	5.201	1.000
Herpestes sp.-*Elephas* sp.	-2.596	-7.963	2.772	0.948
Hystrix indica-Elephas sp.	-1.011	-4.589	2.568	1.000
Lepus nigricollis-Elephas sp.	-0.971	-6.338	4.397	1.000
Macaca sinica-Elephas sp.	-0.586	-3.790	2.618	1.000
Muntiacus muntjak-Elephas sp.	-3.029	-7.412	1.353	0.540
Paradoxurus sp.-*Elephas* sp.	-0.787	-4.155	2.582	1.000
Petaurista philippensis-Elephas sp.	-1.206	-4.784	2.372	0.999
Pteropus giganteus-Elephas sp.	-1.331	-5.126	2.465	0.998
Rattus sp.-*Elephas* sp.	-2.164	-6.164	1.837	0.878
Ratufa macroura-Elephas sp.	-0.903	-4.329	2.523	1.000
Semnopithecus priam thersites-Elephas sp.	-0.185	-3.396	3.027	1.000
Sus scrofa-Elephas sp.	0.552	-3.115	4.218	1.000
Tragulus meminna-Elephas sp.	-1.247	-4.914	2.419	0.998

Viverricula indica-Elephas sp.	-0.041	-5.409	5.326	1.000
Hystrix indica-Herpestes sp.	1.585	-3.148	6.319	0.999
Lepus nigricollis-Herpestes sp.	1.625	-4.573	7.823	1.000
Macaca sinica-Herpestes sp.	2.010	-2.447	6.468	0.972
Muntiacus muntjak-Herpestes sp.	-0.433	-5.801	4.934	1.000
Paradoxurus sp.-*Herpestes* sp.	1.809	-2.768	6.386	0.992
Petaurista philippensis-Herpestes sp.	1.390	-3.344	6.123	1.000
Pteropus giganteus-Herpestes sp.	1.265	-3.635	6.165	1.000
Rattus sp.-*Herpestes* sp.	0.432	-4.628	5.493	1.000
Ratufa macroura-Herpestes sp.	1.693	-2.927	6.312	0.997
Semnopithecus priam thersites-Herpestes sp.	2.411	-2.052	6.874	0.879
Sus scrofa-Herpestes sp.	3.148	-1.653	7.948	0.632
Tragulus meminna-Herpestes sp.	1.348	-3.452	6.149	1.000
Viverricula indica-Herpestes sp.	2.555	-3.643	8.752	0.988
Lepus nigricollis-Hystrix indica	0.040	-4.694	4.773	1.000
Macaca sinica-Hystrix indica	0.425	-1.541	2.390	1.000
Muntiacus muntjak-Hystrix indica	-2.019	-5.597	1.560	0.839
Paradoxurus sp.-*Hystrix indica*	0.224	-2.000	2.448	1.000
Petaurista philippensis-Hystrix indica	-0.196	-2.726	2.335	1.000
Pteropus giganteus-Hystrix indica	-0.320	-3.149	2.509	1.000
Rattus sp.-*Hystrix indica*	-1.153	-4.252	1.946	0.996
Ratufa macroura-Hystrix indica	0.107	-2.202	2.417	1.000
Semnopithecus priam thersites-Hystrix indica	0.826	-1.152	2.804	0.986
Sus scrofa-Hystrix indica	1.562	-1.091	4.216	0.790
Tragulus meminna-Hystrix indica	-0.237	-2.891	2.417	1.000
Viverricula indica-Hystrix indica	0.969	-3.764	5.703	1.000
Macaca sinica-Lepus nigricollis	0.385	-4.072	4.843	1.000
Muntiacus muntjak-Lepus nigricollis	-2.058	-7.426	3.309	0.994
Paradoxurus sp.-*Lepus nigricollis*	0.184	-4.393	4.761	1.000
Petaurista philippensis-Lepus nigricollis	-0.235	-4.969	4.498	1.000
Pteropus giganteus-Lepus nigricollis	-0.360	-5.260	4.540	1.000
Rattus sp.-*Lepus nigricollis*	-1.193	-6.253	3.868	1.000
Ratufa macroura-Lepus nigricollis	0.068	-4.552	4.687	1.000
Semnopithecus priam thersites-Lepus nigricollis	0.786	-3.677	5.249	1.000
Sus scrofa-Lepus nigricollis	1.523	-3.278	6.323	0.999
Tragulus meminna-Lepus nigricollis	-0.277	-5.077	4.524	1.000
Viverricula indica-Lepus nigricollis	0.930	-5.268	7.127	1.000
Muntiacus muntjak-Macaca sinica	-2.443	-5.647	0.761	0.364
Paradoxurus sp.-*Macaca sinica*	-0.201	-1.753	1.351	1.000
Petaurista philippensis-Macaca sinica	-0.621	-2.586	1.345	0.999
Pteropus giganteus-Macaca sinica	-0.745	-3.083	1.592	0.999
Rattus sp.-*Macaca sinica*	-1.578	-4.236	1.080	0.780
Ratufa macroura-Macaca sinica	-0.318	-1.990	1.355	1.000
Semnopithecus priam thersites-Macaca sinica	0.401	-0.771	1.573	0.998

Sus scrofa-Macaca sinica	1.137	-0.985	3.260	0.886
Tragulus meminna-Macaca sinica	-0.662	-2.784	1.460	0.999
Viverricula indica-Macaca sinica	0.544	-3.913	5.002	1.000
Paradoxurus sp.-*Muntiacus muntjak*	2.242	-1.126	5.611	0.606
Petaurista philippensis-Muntiacus muntjak	1.823	-1.755	5.401	0.922
Pteropus giganteus-Muntiacus muntjak	1.698	-2.097	5.494	0.974
Rattus sp.-*Muntiacus muntjak*	0.865	-3.135	4.866	1.000
Ratufa macroura-Muntiacus muntjak	2.126	-1.300	5.552	0.719
Semnopithecus priam thersites-Muntiacus muntjak	2.844	-0.367	6.056	0.146
Sus scrofa-Muntiacus muntjak	3.581	-0.086	7.247	0.063
Tragulus meminna-Muntiacus muntjak	1.782	-1.885	5.448	0.946
Viverricula indica-Muntiacus muntjak	2.988	-2.380	8.355	0.852
Petaurista philippensis-Paradoxurus sp.	-0.419	-2.644	1.805	1.000
Pteropus giganteus-Paradoxurus sp.	-0.544	-3.103	2.015	1.000
Rattus sp.-*Paradoxurus* sp.	-1.377	-4.231	1.477	0.949
Ratufa macroura-Paradoxurus sp.	-0.117	-2.086	1.853	1.000
Semnopithecus priam thersites-Paradoxurus sp.	0.602	-0.966	2.169	0.994
Sus scrofa-Paradoxurus sp.	1.338	-1.025	3.702	0.835
Tragulus meminna-Paradoxurus sp.	-0.461	-2.824	1.903	1.000
Viverricula indica-Paradoxurus sp.	0.745	-3.832	5.323	1.000
Pteropus giganteus-Petaurista philippensis	-0.125	-2.953	2.704	1.000
Rattus sp.-*Petaurista philippensis*	-0.958	-4.056	2.141	1.000
Ratufa macroura-Petaurista philippensis	0.303	-2.007	2.613	1.000
Semnopithecus priam thersites-Petaurista philippensis	1.021	-0.957	2.999	0.913
Sus scrofa-Petaurista philippensis	1.758	-0.896	4.412	0.614
Tragulus meminna-Petaurista philippensis	-0.041	-2.695	2.612	1.000
Viverricula indica-Petaurista philippensis	1.165	-3.569	5.898	1.000
Rattus sp.-*Pteropus giganteus*	-0.833	-4.180	2.514	1.000
Ratufa macroura-Pteropus giganteus	0.428	-2.206	3.061	1.000
Semnopithecus priam thersites-Pteropus giganteus	1.146	-1.202	3.494	0.944
Sus scrofa-Pteropus giganteus	1.883	-1.057	4.822	0.670
Tragulus meminna-Pteropus giganteus	0.083	-2.857	3.023	1.000
Viverricula indica-Pteropus giganteus	1.289	-3.610	6.189	1.000
Ratufa macroura-Rattus sp.	1.261	-1.661	4.182	0.981
Semnopithecus priam thersites-Rattus sp.	1.979	-0.688	4.646	0.412
Sus scrofa-Rattus sp.	2.716	-0.485	5.916	0.198
Tragulus meminna-Rattus sp.	0.916	-2.284	4.117	1.000
Viverricula indica-Rattus sp.	2.122	-2.938	7.183	0.986
Semnopithecus priam thersites-Ratufa macroura	0.718	-0.968	2.405	0.983
Sus scrofa-Ratufa macroura	1.455	-0.989	3.899	0.776
Tragulus meminna-Ratufa macroura	-0.344	-2.789	2.100	1.000

Viverricula indica-Ratufa macroura	0.862	-3.758	5.481	1.000
Sus scrofa-Semnopithecus priam thersites	0.737	-1.397	2.870	0.998
Tragulus meminna-Semnopithecus priam thersites	-1.063	-3.196	1.071	0.934
Viverricula indica-Semnopithecus priam thersites	0.144	-4.319	4.606	1.000
Tragulus meminna-Sus scrofa	-1.799	-4.571	0.973	0.648
Viverricula indica-Sus scrofa	-0.593	-5.394	4.208	1.000
Viverricula indica-Tragulus meminna	1.206	-3.595	6.007	1.000

*p=<0.05

Table B34. Sequential $\delta^{13}C$ and $\delta^{18}O$ measurements from human specimen BKH 19 (Balangoda Kuragala – Layer 6).

Distance from root-enamel junction	**$\delta^{13}C$ (‰) (VPDB)**	**Standard deviation**	**$\delta^{18}O$ (‰) (VPDB)**	**Standard deviation**
2	-13.9	0.1	-8.1	0.1
6	-13.3	0.2	-8.3	0.1
10	-13.9	0.2	-8.6	0.1
14	-14.4	0.2	-8.5	0.1
BULK	-14.0	0.2	-8.3	0.1

Table B35. Sequential $\delta^{13}C$ and $\delta^{18}O$ measurements from human specimen BKH 21 (Balangoda Kuragala – Layer 7).

Distance from root-enamel junction	**$\delta^{13}C$ (‰) (VPDB)**	**Standard deviation**	**$\delta^{18}O$ (‰) (VPDB)**	**Standard deviation**
2	-13.4	0.1	-4.7	0.2
6	-14.8	0.1	-5.0	0.1
10	-13.9	0.1	-5.3	0.1
14	-13.4	0.2	-4.9	0.1
BULK	-13.7	0.1	-5.0	0.1

Table B36. Results of ANOVA for $\delta^{13}C$ by species for Bellan-bandi Palassa fossil fauna.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Species	7	14.638	2.091	1.020	0.449
Residuals	19	38.969	2.051		

*p=<0.05

Table B37. Results of ANOVA for $\delta^{18}O$ by species for Bellan-bandi Palassa fossil fauna.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Species	7	7.970	1.139	0.708	0.666
Residuals	19	30.557	1.608		

*p=<0.05

Table B38. Results of ANOVA for $\delta^{13}C$ by site for Fa Hien-lena, Balangoda Kuragala, and Bellan-bandi Palassa fossil fauna.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Site	2	366.14	183.069	62.963	0.000
Residuals	229	665.84	2.908		

*p=<0.05

Table B39. Results of post-hoc Tukey pair-wise comparison of $\delta^{13}C$ for Fa Hien-lena, Balangoda Kuragala, and Bellan-bandi Palassa fossil fauna. 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.

Site	**Difference**	**Lower**	**Upper**	**P-value***
Bellan-bandi Palassa-Balangoda Kuragala	-0.124	-0.981	0.732	0.937
Fa Hien-lena-Balangoda Kuragala	-2.629	-3.199	-2.059	0.000
Fa Hien-lena-Bellan-bandi Palassa	-2.505	-3.393	-1.616	0.000

*p=<0.05

Table B40. Results of ANOVA for $\delta^{18}O$ by site for Fa Hien-lena, Balangoda Kuragala, and Bellan-bandi Palassa fossil fauna.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Site	2	35.94	17.968	8.933	0.000
Residuals	229	460.62	2.012		

*p=<0.05

Table B41. Results of post-hoc Tukey pair-wise comparison of $\delta^{18}O$ for Fa Hien-lena, Balangoda Kuragala, and Bellan-bandi Palassa fossil fauna. 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.

Site	**Difference**	**Lower**	**Upper**	**P-value***
Bellan-bandi Palassa-Balangoda Kuragala	-0.031	-0.744	0.681	0.994
Fa Hien-lena-Balangoda Kuragala	0.811	0.337	1.285	0.000
Fa Hien-lena-Bellan-bandi Palassa	0.842	0.103	1.581	0.021

*p=<0.05

Table B42. Results of ANOVA for $\delta^{13}C$ by layer and species for Batadomba-lena.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Layer	5	14.616	2.923	2.456	0.040
Species	8	49.127	6.141	5.160	0.000
Residuals	84	99.964	1.190		

*p=<0.05

Table B43. Results of post-hoc Tukey pair-wise comparison for $\delta^{13}C$ by layer and species for Batadomba-lena fossil fauna. 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.

Layer	**Difference**	**Lower**	**Upper**	**P-value***
5-4	0.412	-0.488	1.312	0.765
6-4	0.019	-0.936	0.973	1.000
7a-4	0.424	-1.135	1.983	0.968
7b-4	-0.296	-1.742	1.150	0.991
7c-4	0.998	-0.002	1.998	0.051
6-5	-0.393	-1.347	0.561	0.835
7a-5	0.012	-1.547	1.571	1.000
7b-5	-0.708	-2.154	0.738	0.710
7c-5	0.586	-0.414	1.586	0.530
7a-6	0.405	-1.186	1.996	0.976
7b-6	-0.315	-1.796	1.166	0.989
7c-6	0.979	-0.070	2.029	0.082
7b-7a	-0.720	-2.647	1.207	0.884
7c-7a	0.574	-1.045	2.193	0.905
7c-7b	1.294	-0.217	2.805	0.136
Species				
Macaca sinica-Hystrix indica	0.528	-1.282	2.337	0.991
Muntiacus muntjak-Hystrix indica	2.522	-1.362	6.405	0.502
Paradoxurus sp.-*Hystrix indica*	2.151	-0.502	4.804	0.210
Petinomys fuscocapillus-Hystrix indica	3.336	-0.548	7.219	0.152
Rattus sp.-*Hystrix indica*	-0.085	-3.093	2.923	1.000
Ratufa macroura-Hystrix indica	1.993	-0.660	4.646	0.302
Trachypithecus vetulus-Hystrix indica	0.110	-1.724	1.943	1.000
Tragulus meminna-Hystrix indica	2.579	-0.429	5.587	0.153
Muntiacus muntjak-Macaca sinica	1.994	-1.516	5.504	0.676
Paradoxurus sp.-*Macaca sinica*	1.623	-0.445	3.692	0.247
Petinomys fuscocapillus-Macaca sinica	2.808	-0.702	6.318	0.225
Rattus sp.-*Macaca sinica*	-0.613	-3.121	1.895	0.997
Ratufa macroura-Macaca sinica	1.465	-0.603	3.534	0.381
Trachypithecus vetulus-Macaca sinica	-0.418	-1.193	0.358	0.735
Tragulus meminna-Macaca sinica	2.051	-0.457	4.559	0.201
Paradoxurus sp.-Muntiacus muntjak	-0.371	-4.382	3.640	1.000
Petinomys fuscocapillus-Muntiacus muntjak	0.814	-4.098	5.726	1.000
Rattus sp.-*Muntiacus muntjak*	-2.607	-6.861	1.647	0.581
Ratufa macroura-Muntiacus muntjak	-0.529	-4.540	3.482	1.000
Trachypithecus vetulus-Muntiacus muntjak	-2.412	-5.935	1.111	0.428
Tragulus meminna-Muntiacus muntjak	0.057	-4.197	4.311	1.000
Petinomys fuscocapillus-Paradoxurus sp.	1.185	-2.826	5.195	0.990
Rattus sp.-*Paradoxurus* sp.	-2.236	-5.407	0.935	0.387
Ratufa macroura-Paradoxurus sp.	-0.158	-2.994	2.678	1.000

Trachypithecus vetulus-Paradoxurus sp.	-2.041	-4.131	0.048	0.061
Tragulus meminna-Paradoxurus sp.	0.428	-2.743	3.598	1.000
Rattus sp.-Petinomys fuscocapillus	-3.421	-7.675	0.833	0.219
Ratufa macroura-Petinomys fuscocapillus	-1.343	-5.353	2.668	0.977
Trachypithecus vetulus-Petinomys fuscocapillus	-3.226	-6.749	0.297	0.100
Tragulus meminna-Petinomys fuscocapillus	-0.757	-5.011	3.497	1.000
Ratufa macroura-Rattus sp.	2.078	-1.093	5.249	0.489
Trachypithecus vetulus-Rattus sp.	0.195	-2.330	2.720	1.000
Tragulus meminna-Rattus sp.	2.664	-0.810	6.137	0.276
Trachypithecus vetulus-Ratufa macroura	-1.883	-3.973	0.206	0.111
Tragulus meminna-Ratufa macroura	0.586	-2.585	3.757	1.000
Tragulus meminna-Trachypithecus vetulus	2.469	-0.056	4.994	0.060

*p=<0.05

Table B44. Results of ANOVA for $\delta^{18}O$ by layer and species for Batadomba-lena.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Layer	5	35.687	7.138	6.356	0.000
Species	8	13.481	1.685	1.501	0.169
Residuals	84	94.336	1.123		

*p=<0.05

Table B45. Results of post-hoc Tukey pair-wise comparison for $\delta^{18}O$ by layer and species for Batadomba-lena fossil fauna. 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.

Layer	**Difference**	**Lower**	**Upper**	**P-value***
5-4	-0.284	-1.158	0.590	0.933
6-4	0.647	-0.280	1.574	0.332
7a-4	0.052	-1.462	1.566	1.000
7b-4	-0.505	-1.910	0.900	0.900
7c-4	1.341	0.370	2.313	0.002
6-5	0.931	0.004	1.858	0.048
7a-5	0.336	-1.178	1.850	0.987
7b-5	-0.221	-1.626	1.184	0.997
7c-5	1.625	0.654	2.597	0.000
7a-6	-0.595	-2.140	0.950	0.871
7b-6	-1.152	-2.590	0.287	0.192
7c-6	0.694	-0.325	1.714	0.359
7b-7a	-0.557	-2.428	1.315	0.953
7c-7a	1.289	-0.283	2.862	0.171
7c-7b	1.846	0.378	3.314	0.006
Species				
Macaca sinica-Hystrix indica	0.838	-0.920	2.595	0.844
Muntiacus muntjak-Hystrix indica	-1.426	-5.199	2.346	0.954
Paradoxurus sp.-*Hystrix indica*	0.262	-2.316	2.839	1.000
Petinomys fuscocapillus-Hystrix indica	1.148	-2.624	4.921	0.988
Rattus sp.-*Hystrix indica*	-0.757	-3.680	2.165	0.996
Ratufa macroura-Hystrix indica	0.698	-1.879	3.276	0.994
Trachypithecus vetulus-Hystrix indica	0.692	-1.089	2.473	0.946
Tragulus meminna-Hystrix indica	0.861	-2.061	3.783	0.990
Muntiacus muntjak-Macaca sinica	-2.264	-5.674	1.146	0.471
Paradoxurus sp.-*Macaca sinica*	-0.576	-2.586	1.433	0.992
Petinomys fuscocapillus-Macaca sinica	0.310	-3.100	3.720	1.000
Rattus sp.-*Macaca sinica*	-1.595	-4.032	0.841	0.490
Ratufa macroura-Macaca sinica	-0.139	-2.149	1.870	1.000
Trachypithecus vetulus-Macaca sinica	-0.146	-0.899	0.607	0.999
Tragulus meminna-Macaca sinica	0.023	-2.413	2.459	1.000
Paradoxurus sp.-Muntiacus muntjak	1.688	-2.208	5.584	0.902
Petinomys fuscocapillus-Muntiacus muntjak	2.575	-2.197	7.347	0.734
Rattus sp.-*Muntiacus muntjak*	0.669	-3.464	4.802	1.000
Ratufa macroura-Muntiacus muntjak	2.125	-1.771	6.021	0.722
Trachypithecus vetulus-Muntiacus muntjak	2.118	-1.304	5.540	0.568
Tragulus meminna-Muntiacus muntjak	2.287	-1.845	6.420	0.706
Petinomys fuscocapillus-Paradoxurus	0.887	-3.010	4.783	0.998

sp.				
Rattus sp.-*Paradoxurus* sp.	-1.019	-4.099	2.061	0.979
Ratufa macroura-Paradoxurus sp.	0.437	-2.318	3.192	1.000
Trachypithecus vetulus-Paradoxurus sp.	0.430	-1.600	2.460	0.999
Tragulus meminna-Paradoxurus sp.	0.599	-2.481	3.680	0.999
Rattus sp.-Petinomys fuscocapillus	-1.906	-6.038	2.227	0.867
Ratufa macroura-Petinomys fuscocapillus	-0.450	-4.346	3.447	1.000
Trachypithecus vetulus-Petinomys fuscocapillus	-0.456	-3.879	2.966	1.000
Tragulus meminna-Petinomys fuscocapillus	-0.287	-4.420	3.845	1.000
Ratufa macroura-Rattus sp.	1.456	-1.624	4.536	0.850
Trachypithecus vetulus-Rattus sp.	1.449	-1.004	3.902	0.628
Tragulus meminna-Rattus sp.	1.618	-1.756	4.993	0.840
Trachypithecus vetulus-Ratufa macroura	-0.007	-2.037	2.023	1.000
Tragulus meminna-Ratufa macroura	0.162	-2.918	3.243	1.000
Tragulus meminna-Trachypithecus vetulus	0.169	-2.284	2.622	1.000

*p=<0.05

Table B46. Sequential $\delta^{13}C$ and $\delta^{18}O$ measurements from human specimen BDH 5 (Batadomba-lena– Layer 6b).

Distance from root-enamel junction	$\delta^{13}C$ (‰) (VPDB)	Standard deviation	$\delta^{18}O$ (‰) (VPDB)	Standard deviation
2	-12.3	0.1	-4.6	0.1
6	-12.6	0.1	-5.1	0.2
10	-12.8	0.1	-6.0	0.1
14	-12.9	0.3	-6.1	0.1
BULK	-12.5	0.1	-6.1	0.1

Table B47. Sequential $\delta^{13}C$ and $\delta^{18}O$ measurements from human specimen BDH 6 (Batadomba-lena– Layer 6b).

Distance from root-enamel junction	$\delta^{13}C$ (‰) (VPDB)	Standard deviation	$\delta^{18}O$ (‰) (VPDB)	Standard deviation
2	-12.9	0.1	-2.9	0.1
6	-12.5	0.1	-3.2	0.1
10	-12.6	0.1	-3.8	0.2
BULK	-12.9	0.1	-3.8	0.1

Table B48. Sequential $\delta^{13}C$ and $\delta^{18}O$ measurements from human specimen BDH 17 (Batadomba-lena– Layer 6b).

Distance from root-enamel junction	$\delta^{13}C$ (‰) (VPDB)	Standard deviation	$\delta^{18}O$ (‰) (VPDB)	Standard deviation
2	-13.0	0.1	-3.5	0.1
6	-12.5	0.2	-2.9	0.1
10	-12.5	0.1	-2.6	0.1
14	-13.0	0.1	-3.7	0.1
BULK	-12.8	0.1	-3.3	0.1

Table B49. Sequential $\delta^{13}C$ and $\delta^{18}O$ measurements from human specimen BDH 21 (Batadomba-lena– Layer 6b/7a).

Distance from root-enamel junction	**$\delta^{13}C$ (‰) (VPDB)**	**Standard deviation**	**$\delta^{18}O$ (‰) (VPDB)**	**Standard deviation**
2	-12.6	0.1	-2.8	0.2
6	-12.7	0.1	-3.0	0.2
10	-12.1	0.1	-3.3	0.1
BULK	-12.2	0.1	-2.8	0.2

Table B50. Sequential $\delta^{13}C$ and $\delta^{18}O$ measurements from human specimen BDH 22 (Batadomba-lena– Layer 6b/7a).

Distance from root-enamel junction	**$\delta^{13}C$ (‰) (VPDB)**	**Standard deviation**	**$\delta^{18}O$ (‰) (VPDB)**	**Standard deviation**
2	-12.8	0.1	-3.3	0.1
6	-12.5	0.1	-2.7	0.1
10	-12.2	0.1	-2.6	0.1
BULK	-12.4	0.1	-3.0	0.1

Table B51. Results of ANOVA for $\delta^{13}C$ by site for Fa Hien-lena, Balangoda Kuragala, Bellan-bandi Palassa and Batadomba-lena fossil fauna.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Site	3	372.90	124.299	48.848	0.000
Residuals	326	829.54	2.545		

*p=<0.05

Table B52. Results of post-hoc Tukey pair-wise comparison of $\delta^{13}C$ for Fa Hien-lena, Balangoda Kuragala, Bellan-bandi Palassa and Batadomba-lena fossil fauna. 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.

Site	**Difference**	**Lower**	**Upper**	**P-value***
Batadomba-lena-Balangoda Kuragala	-1.291	-1.852	-0.730	0.000
Bellan-bandi Palassa-Balangoda Kuragala	-0.124	-1.002	0.753	0.983
Fa Hien-lena-Balangoda Kuragala	-2.629	-3.213	-2.045	0.000
Bellan-bandi Palassa-Batadomba-lena	1.167	0.271	2.062	0.005
Fa Hien-lena-Batadomba-lena	-1.338	-1.949	-0.728	0.000
Fa Hien-lena-Bellan-bandi Palassa	-2.505	-3.415	-1.595	0.000

*p=<0.05

Table B53. Results of ANOVA for $\delta^{18}O$ by site for Fa Hien-lena, Balangoda Kuragala, Bellan-bandi Palassa and Batadomba-lena fossil fauna.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Site	3	85.65	28.550	15.406	0.000
Residuals	326	604.13	1.853		

*p=<0.05

Table B54. Results of post-hoc Tukey pair-wise comparison of $\delta^{18}O$ for Fa Hien-lena, Balangoda Kuragala, Bellan-bandi Palassa and Batadomba-lena fossil fauna. 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.

Site	**Difference**	**Lower**	**Upper**	**P-value***
Batadomba-lena-Balangoda Kuragala	1.143	0.664	1.622	0.000
Bellan-bandi Palassa-Balangoda Kuragala	-0.031	-0.780	0.717	1.000
Fa Hien-lena-Balangoda Kuragala	0.811	0.313	1.309	0.000
Bellan-bandi Palassa-Batadomba-lena	-1.174	-1.938	-0.410	0.001
Fa Hien-lena-Batadomba-lena	-0.332	-0.853	0.189	0.355
Fa Hien-lena-Bellan-bandi Palassa	0.842	0.066	1.619	0.028

*p=<0.05

Catalogue C – Tables associated with "Chapter 7 – Late Pleistocene and modern primate stable isotope ecologies in Sri Lanka"

Table C1. Results of ANOVA for $\delta^{13}C$ by layer for Fa Hien-lena Macaca sinica.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Layer	8	7.520	0.940	1.552	0.190
Residuals	25	15.144	0.606		

*p=<0.05

Table C2. Results of ANOVA for $\delta^{18}O$ by layer for Fa Hien-lena Macaca sinica.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Layer	8	25.013	3.127	1.745	0.137
Residuals	25	44.791	1.792		

*p=<0.05

Table C3. Results of ANOVA for $\delta^{13}C$ by layer for Fa Hien-lena Trachypithecus vetulus.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Layer	8	7.946	0.993	1.078	0.423
Residuals	17	15.661	0.921		

*p=<0.05

Table C4. Results of ANOVA for $\delta^{18}O$ by layer for Fa Hien-lena Trachypithecus vetulus.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Layer	8	28.598	3.575	5.748	0.001
Residuals	17	10.572	0.622		

*p=<0.05

Table C5. Results of post-hoc Tukey pair-wise comparison for $\delta^{18}O$ by layer for Fa Hien-lena Trachypithecus vetulus*. 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.*

Layer	**Difference**	**Lower**	**Upper**	**P-value***
139-136	-0.733	-3.006	1.539	0.959
141-136	0.183	-1.942	2.309	1.000
169-136	-1.167	-4.380	2.047	0.924
174-136	-0.400	-2.672	1.872	0.999
214-136	-1.767	-4.307	0.774	0.317
217-136	-1.367	-4.580	1.847	0.841
247-136	-2.517	-4.484	-0.549	0.007
248-136	-2.200	-4.472	0.072	0.062
141-139	0.917	-1.209	3.042	0.831
169-139	-0.433	-3.647	2.780	1.000
174-139	0.333	-1.939	2.606	1.000
214-139	-1.033	-3.574	1.507	0.869
217-139	-0.633	-3.847	2.580	0.998
247-139	-1.783	-3.751	0.184	0.093
248-139	-1.467	-3.739	0.806	0.405
169-141	-1.350	-4.461	1.761	0.827
174-141	-0.583	-2.709	1.542	0.984
214-141	-1.950	-4.360	0.460	0.169
217-141	-1.550	-4.661	1.561	0.706
247-141	-2.700	-4.496	-0.904	0.001
248-141	-2.383	-4.509	-0.258	0.022
174-169	0.767	-2.447	3.980	0.993
214-169	-0.600	-4.008	2.808	0.999
217-169	-0.200	-4.136	3.736	1.000
247-169	-1.350	-4.356	1.656	0.800
248-169	-1.033	-4.247	2.180	0.960
214-174	-1.367	-3.907	1.174	0.623
217-174	-0.967	-4.180	2.247	0.973
247-174	-2.117	-4.084	-0.149	0.030
248-174	-1.800	-4.072	0.472	0.187
217-214	0.400	-3.008	3.808	1.000
247-214	-0.750	-3.022	1.522	0.954
248-214	-0.433	-2.974	2.107	0.999
247-217	-1.150	-4.156	1.856	0.901
248-217	-0.833	-4.047	2.380	0.989
248-247	0.317	-1.651	2.284	1.000

*p=<0.05

Table C6. Results of ANOVA for $\delta^{13}C$ by layer for Balangoda Kuragala Macaca sinica.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Layer	8	3.585	0.448	1.945	0.109
Residuals	20	4.608	0.230		

*p=<0.05

Table C7. Results of ANOVA for $\delta^{18}O$ by layer for Balangoda Kuragala Macaca sinica.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Layer	8	7.609	0.951	0.543	0.810
Residuals	20	35.004	1.750		

*p=<0.05

Table C8. Results of ANOVA for $\delta^{13}C$ by layer for Balangoda Kuragala Semnopithecus priam thersites.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Layer	8	3.358	0.420	1.848	0.133
Residuals	18	4.088	0.227		

*p=<0.05

Table C9. Results of ANOVA for $\delta^{18}O$ by layer for Balangoda Kuragala Semnopithecus priam thersites.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Layer	8	42.664	5.333	41.98	0.006
Residuals	18	22.868	1.271		

*p=<0.05

Table C10. Results of post-hoc Tukey pair-wise comparison for $\delta^{18}O$ by layer for Balangoda Kuragala Semnopithecus priam thersites. *95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.*

Layer	Difference	Lower	Upper	P-value*
15-14	1.667	-1.558	4.891	0.675
16-14	2.900	-0.325	6.125	0.098
32-14	0.000	-4.560	4.560	1.000
33F-14	0.075	-2.941	3.091	1.000
4-14	2.167	-1.058	5.391	0.363
6-14	-0.100	-3.325	3.125	1.000
7-14	0.400	-2.825	3.625	1.000
8-14	-1.125	-4.141	1.891	0.917
16-15	1.233	-1.991	4.458	0.906
32-15	-1.667	-6.227	2.894	0.925
33F-15	-1.592	-4.608	1.425	0.653
4-15	0.500	-2.725	3.725	1.000
6-15	-1.767	-4.991	1.458	0.610
7-15	-1.267	-4.491	1.958	0.893
8-15	-2.792	-5.808	0.225	0.082
32-16	-2.900	-7.460	1.660	0.429
33F-16	-2.825	-5.841	0.191	0.077
4-16	-0.733	-3.958	2.491	0.996
6-16	-3.000	-6.225	0.225	0.080
7-16	-2.500	-5.725	0.725	0.209
8-16	-4.025	-7.041	-1.009	0.005
33F-32	0.075	-4.341	4.491	1.000
4-32	2.167	-2.394	6.727	0.759
6-32	-0.100	-4.660	4.460	1.000
7-32	0.400	-4.160	4.960	1.000
8-32	-1.125	-5.541	3.291	0.991
4-33F	2.092	-0.925	5.108	0.326
6-33F	-0.175	-3.191	2.841	1.000
7-33F	0.325	-2.691	3.341	1.000
8-33F	-1.200	-3.993	1.593	0.839
6-4	-2.267	-5.491	0.958	0.310
7-4	-1.767	-4.991	1.458	0.610
8-4	-3.292	-6.308	-0.275	0.026
7-6	0.500	-2.725	3.725	1.000
8-6	-1.025	-4.041	1.991	0.949
8-7	-1.525	-4.541	1.491	0.699

*p=<0.05

Table C11. Results of ANOVA for $\delta^{13}C$ by layer for Batadomba-lena Macaca sinica.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Layer	5	0.944	0.189	0.233	0.946
Residuals	41	33.248	0.811		

*p=<0.05

Table C12. Results of ANOVA for $\delta^{18}O$ by layer for Batadomba-lena Macaca sinica.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Layer	5	32.300	6.460	5.536	0.000
Residuals	41	47.846	1.167		

*p=<0.05

Table C13. Results of post-hoc Tukey pair-wise comparison for $\delta^{18}O$ by layer for Batadomba-lena Macaca sinica. *95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.*

Layer	**Difference**	**Lower**	**Upper**	**P-value***
5-4	-0.700	-2.195	0.795	0.727
6-4	0.857	-0.637	2.352	0.531
7a-4	-0.281	-2.335	1.773	0.998
7b-4	-0.854	-2.536	0.828	0.655
7c-4	1.440	0.139	2.741	0.022
6-5	1.557	-0.169	3.283	0.098
7a-5	0.419	-1.809	2.647	0.993
7b-5	-0.154	-2.045	1.736	1.000
7c-5	2.140	0.579	3.701	0.002
7a-6	-1.138	-3.366	1.090	0.650
7b-6	-1.711	-3.602	0.179	0.096
7c-6	0.583	-0.978	2.144	0.872
7b-7a	-0.573	-2.931	1.784	0.977
7c-7a	1.721	-0.382	3.824	0.165
7c-7b	2.295	0.553	4.036	0.004

*p=<0.05

Table C14. Results of ANOVA for $\delta^{13}C$ by layer for Batadomba-lena Trachypithecus vetulus.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Layer	4	1.506	0.377	0.223	0.923
Residuals	30	50.561	1.685		

*p=<0.05

Table C15. Results of ANOVA for $\delta^{18}O$ by layer for Batadomba-lena Trachypithecus vetulus.

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Layer	4	8.553	2.138	2.536	0.061
Residuals	30	25.290	0.843		

*p=<0.05

Table C16. Stable carbon, nitrogen, and oxygen isotope results for vegetation samples taken during August 2014 (Dry season) (Table A10).

Sample	Species	Plant part	Tree number	Canopy Height	Insolation	$\delta^{13}C$ (‰) (VPDB)	S.D.	$\delta^{18}O$ (‰) (VSMOW)	S.D.	$\delta^{15}N$ (‰) (AIR)	S.D.
PL25	*Adina cordifolia*	Leaves	2	Middle	Medium	-28.0	0.2	27.0	0.2	7.0	0.2
PL57	*Adina cordifolia*	Leaves	3	Low	Low	-26.6	0.2	29.7	0.2	5.9	0.2
PL85	*Adina cordifolia*	Leaves	2	Low	Low	-29.2	0.1	27.5	0.2	6.7	0.3
PL88	*Adina cordifolia*	Leaves	1	Low	Low	-27.6	0.1	27.1	0.2	5.4	0.3
PL103	*Adina cordifolia*	Leaves	1	Upper	High	-27.5	0.1	31.1	0.3	5.9	0.3
PL104	*Adina cordifolia*	Leaves	1	Middle	Medium	-28.9	0.1	27.6	0.2	5.8	0.4
PL107	*Adina cordifolia*	Leaves	3	Middle	Medium	-26.3	0.1	30.4	0.2	6.4	0.3
PL108	*Adina cordifolia*	Leaves	3	Upper	High	-26.0	0.1	29.0	0.3	6.8	0.3
PL125	*Adina cordifolia*	Leaves	2	Upper	High	-26.8	0.2	26.1	0.2	6.3	0.3
PL114	*Azadirachta indica*	Fruit	3	Low	Medium	-27.4	0.1	32.6	0.2	8.1	0.4
PL126	*Azadirachta indica*	Fruit	1	Low	High	-28.4	0.1	32.7	0.3	7.2	0.3
PL127	*Azadirachta indica*	Fruit	2	Low	Low	-28.4	0.1	32.1	0.2	6.5	0.4
PL128	*Azadirachta*	Leaves	2	Low	Low	-29.7	0.1	28.4	0.2	7.0	0.4

	indica										
PL129	*Azadirachta indica*	Flowers	2	Low	Low	-28.5	0.1	28.2	0.3	7.2	0.3
PL40	*Cassia fistula*	Flowers	2	Middle	High	-28.5	0.2	30.4	0.2	6.8	0.2
PL41	*Cassia fistula*	Flowers	1	Upper	High	-28.2	0.1	29.7	0.2	5.5	0.2
PL47	*Cassia fistula*	Flowers	1	Low	Low	-27.7	0.1	30.2	0.2	5.9	0.2
PL64	*Cassia fistula*	Flowers	1	Middle	Medium	-28.5	0.1	32.3	0.3	5.2	0.1
PL74	*Cassia fistula*	Leaves	2	Middle	High	-28.0	0.1	24.1	0.2	6.6	0.3
PL22	*Cassia roxburghii*	Fruit	4	Low	Low	-27.3	0.1	26.5	0.3	7.9	0.2
PL37	*Cassia roxburghii*	Leaf shoots	1	Middle	High	-26.6	0.2	24.4	0.2	4.9	0.2
PL38	*Cassia roxburghii*	Flowers	1	Middle	High	-25.1	0.1	25.1	0.2	4.8	0.2
PL39	*Cassia roxburghii*	Leaves	1	Middle	High	-27.3	0.1	28.3	0.2	4.1	0.2
PL53	*Cassia roxburghii*	Leaves	2	Middle	Medium	-30.9	0.1	23.6	0.2	6.1	0.2
PL54	*Cassia roxburghii*	Flowers	2	Middle	Medium	-27.2	0.1	27.4	0.3	6.2	0.2
PL67	*Cassia roxburghii*	Leaves	3	Middle	High	-26.4	0.1	29.4	0.2	4.8	0.1
PL68	*Cassia roxburghii*	Flowers	3	Middle	High	-24.1	0.1	25.9	0.2	5.0	0.1
PL69	*Cassia roxburghii*	Leaf shoots	3	Middle	High	-26.8	0.1	32.6	0.3	5.2	0.3
PL97	*Cassia roxburghii*	Flowers	2	Upper	High	-27.7	0.1	28.1	0.2	7.1	0.3
PL98	*Cassia roxburghii*	Leaves	2	Upper	High	-29.1	0.1	28.6	0.2	6.5	0.3

PL139	*Cassia roxburghii*	Fruit	2	Low	Low	-29.2	0.1	25.8	0.2	7.7	0.3
PL161	*Cassia roxburghii*	Flowers	4	Middle	High	-27.3	0.1	26.4	0.2	7.5	0.3
PL162	*Cassia roxburghii*	Leaves	4	Middle	High	-27.6	0.1	27.7	0.3	6.8	0.3
PL163	*Cassia roxburghii*	Leaf shoots	4	Middle	High	-27.4	0.1	26.6	0.2	6.9	0.3
PL166	*Cassia roxburghii*	Fruit	5	Low	Low	-28.7	0.1	26.1	0.2	6.9	0.2
PL111	*Cyperaceae* spp.	Tubers	1	Low	Open	-12.7	0.1	33.4	0.2	3.1	0.3
PL116	*Drypetes sepiaria*	Fruit	1	Middle	Medium	-28.7	0.1	28.4	0.2	6.3	0.4
PL117	*Drypetes sepiaria*	Leaves	1	Middle	Medium	-30.6	0.1	26.2	0.2	6.2	0.3
PL10	*Ficus amplissimia*	Fruits	2	Low	Medium	-25.8	0.1	25.6	0.2	4.2	0.2
PL11	*Ficus amplissimia*	Leaves	2	Low	Medium	-28.5	0.1	26.4	0.2	3.9	0.2
PL19	*Ficus amplissimia*	Unripe fruit	1	Upper	High	-24.5	0.1	25.1	0.2	5.1	0.2
PL20	*Ficus amplissimia*	Fruit	2	Middle	High	-23.5	0.1	24.9	0.2	6.0	0.2
PL21	*Ficus amplissimia*	Leaves	2	Middle	High	-28.6	0.1	25.7	0.2	5.4	0.2
PL45	*Ficus amplissimia*	Young leaves	1	Low	Low	-30.3	0.1	23.4	0.2	10.4	0.2
PL51	*Ficus amplissimia*	Unripe fruit	1	Middle	High	-24.7	0.1	24.3	0.2	4.5	0.1

PL52	*Ficus amplissimia*	Leaves	1	Middle	High	-27.4	0.1	25.7	0.2	5.1	0.2
PL132	*Ficus amplissimia*	Fruit	3	Middle	Medium	-24.6	0.1	25.3	0.2	5.1	0.3
PL157	*Ficus amplissimia*	Fruit	1	Low	Low	-25.8	0.1	25.4	0.2	6.5	0.2
PL147	*Ficus amplissimia*	Leaves	3	Upper	High	-26.2	0.1	28.3	0.2	3.8	0.2
PL146	*Ficus amplissimia*	Fruit	3	Upper	High	-25.9	0.1	25.3	0.2	4.6	0.3
PL156	*Ficus amplissimia*	Leaves	1	Low	Low	-29.1	0.1	26.3	0.2	7.7	0.3
PL1	*Ficus benghalensis*	Leaf shoots	1	Low	Low	-30.6	0.2	24.4	0.2	8.2	0.2
PL2	*Ficus benghalensis*	Leaves	1	Low	Low	-29.8	0.1	27.1	0.2	8.1	0.2
PL3	*Ficus benghalensis*	Fruit	1	Low	Low	-29.8	0.1	28.2	0.2	8.3	0.2
PL135	*Ficus benghalensis*	Fruit	1	Middle	Medium	-29.5	0.2	28.0	0.2	7.5	0.4
PL136	*Ficus benghalensis*	Leaves	1	Middle	Medium	-32.0	0.2	27.8	0.2	4.8	0.3
PL140	*Ficus benghalensis*	Fruit	2	Low	Low	-32.1	0.1	28.5	0.2	7.9	0.3
PL141	*Ficus benghalensis*	Leaves	2	Low	Low	-32.6	0.1	25.2	0.3	6.0	0.3
PL159	*Ficus benghalensis*	Leaves	2	Middle	Medium	-30.1	0.1	28.8	0.2	5.8	0.3
PL160	*Ficus benghalensis*	Fruit	2	Middle	Medium	-29.7	0.1	27.5	0.2	7.8	0.3

PL12	*Ficus religiosa*	Young leaves	1	Low	Medium	-30.1	0.2	27.9	0.2	6.1	0.2
PL130	*Ficus religiosa*	Fruit	2	Low	Medium	-29.2	0.1	24.7	0.3	7.7	0.4
PL131	*Ficus religiosa*	Leaves	2	Low	Medium	-28.6	0.1	28.2	0.2	6.2	0.3
PL133	*Ficus religiosa*	Young leaves	2	Low	Medium	-30.5	0.1	26.5	0.3	7.3	0.3
PL58	*Garcinia spicata*	Young leaves	1	Middle	Low	-30.1	0.1	29.6	0.2	6.3	0.2
PL72	*Garcinia spicata*	Young leaves	3	Low	Low	-28.4	0.1	30.1	0.2	6.5	0.3
PL73	*Garcinia spicata*	Young leaves	3	Middle	Medium	-28.9	0.2	30.0	0.2	6.5	0.3
PL82	*Garcinia spicata*	Young leaves	2	Middle	Medium	-29.8	0.1	31.4	0.2	7.0	0.3
PL87	*Garcinia spicata*	Young leaves	1	Low	Low	-28.5	0.1	32.3	0.2	5.2	0.3
PL96	*Garcinia spicata*	Young leaves	1	Upper	High	-27.2	0.1	29.4	0.2	5.7	0.3
PL99	*Garcinia spicata*	Young leaves	3	Upper	High	-26.3	0.1	32.3	0.2	5.6	0.3
PL105	*Garcinia spicata*	Young leaves	2	Low	Low	-30.7	0.1	30.3	0.2	5.3	0.4
PL122	*Garcinia spicata*	Young leaves	2	Upper	High	-25.3	0.1	29.7	0.2	6.0	0.3
PL18	*Manilkara hexandra*	Leaves	3	Low	Low	-29.8	0.1	26.6	0.2	6.5	0.2
PL65	*Manilkara hexandra*	Young leaves	1	Upper	High	-28.8	0.1	28.3	0.2	6.4	0.2
PL66	*Manilkara hexandra*	Young leaves	1	Middle	Medium	-29.0	0.1	28.1	0.2	7.1	0.2

PL79	*Manilkara hexandra*	Young leaves	2	Middle	Medium	-28.9	0.2	26.6	0.2	6.0	0.3
PL115	*Manilkara hexandra*	Young leaves	1	Low	Low	-29.9	0.1	27.7	0.2	6.5	0.3
PL121	*Manilkara hexandra*	Leaves	2	Upper	Medium	-28.4	0.1	27.0	0.2	5.8	0.3
PL123	*Manilkara hexandra*	Young leaves	2	Low	Low	-29.4	0.1	27.6	0.2	5.9	0.3
PL124	*Manilkara hexandra*	Young leaves	4	Upper	High	-27.7	0.1	28.5	0.2	5.9	0.3
PL134i	*Manilkara hexandra*	Young leaves	3	Middle	Medium	-28.3	0.1	28.5	0.2	6.5	0.3
PL143ii	*Manilkara hexandra*	Leaves	4	Low	Low	-30.0	0.1	27.9	0.2	5.9	0.4
PL151	*Manilkara hexandra*	Leaves	4	Low	Medium	-28.9	0.1	30.0	0.2	5.9	0.3
PL158	*Manilkara hexandra*	Leaves	3	Upper	High	-27.7	0.1	27.2	0.2	8.9	0.4
PL171	*Manilkara hexandra*	Leaves	4	Middle	Medium	-29.4	0.1	28.5	0.2	4.7	0.3
PL31	*Mimosa pudica*	Leaves	2	Low	Medium	-29.8	0.1	26.5	0.2	-1.0	0.2
PL62	*Mimosa pudica*	Leaves	3	Low	Medium	-30.2	0.1	24.9	0.2	-0.6	0.1
PL137	*Mimosa pudica*	Leaves	1	Low	Medium	-29.2	0.1	26.7	0.2	-1.1	0.4
PL138	*Mimosa pudica*	Fruit	1	Low	Medium	-27.7	0.1	29.5	0.2	-1.4	0.4
PL16	*Schleichera oleosa*	Fruit	1	Middle	Medium	-28.0	0.1	23.3	0.2	6.1	0.2
PL17	*Schleichera oleosa*	Leaves	1	Middle	Medium	-30.7	0.1	26.1	0.2	5.1	0.2
PL43	*Schleichera oleosa*	Fruit	3	Low	Low	-28.2	0.1	26.0	0.2	6.6	0.2

PL44	*Schleichera oleosa*	Fruit	1	Upper	High	-27.5	0.1	23.3	0.2	5.7	0.2
PL50	*Schleichera oleosa*	Leaves	1	Upper	High	-28.6	0.2	23.4	0.2	6.1	0.2
PL63	*Schleichera oleosa*	Fruit	2	Middle	High	-28.0	0.1	26.2	0.2	5.7	0.2
PL70	*Schleichera oleosa*	Leaves	3	Middle	Medium	-29.6	0.2	29.9	0.2	6.1	0.3
PL71	*Schleichera oleosa*	Leaves	3	Upper	High	-28.8	0.2	26.0	0.3	5.7	0.3
PL75	*Schleichera oleosa*	Fruit	3	Middle	Medium	-27.5	0.3	26.3	0.2	6.4	0.3
PL86	*Schleichera oleosa*	Leaves	2	Upper	High	-30.3	0.2	25.9	0.2	5.0	0.3
PL89	*Schleichera oleosa*	Leaves	1	Low	Low	-31.1	0.1	27.5	0.2	5.4	0.3
PL90	*Schleichera oleosa*	Fruit	2	Upper	High	-29.6	0.2	25.7	0.2	6.6	0.3
PL91	*Schleichera oleosa*	Leaves	3	Upper	High	-29.1	0.1	24.0	0.2	5.3	0.3
PL92	*Schleichera oleosa*	Fruit	3	Upper	High	-26.8	0.1	24.7	0.2	6.4	0.3
PL93	*Schleichera oleosa*	Leaves	3	Low	Low	-30.4	0.2	28.5	0.2	5.3	0.3
PL95	*Schleichera oleosa*	Leaves	2	Middle	Medium	-31.2	0.2	26.0	0.2	5.7	0.3
PL100	*Schleichera oleosa*	Leaves	4	Low	Low	-31.2	0.2	26.2	0.2	6.5	0.3
PL101	*Schleichera oleosa*	Leaves	4	Middle	High	-30.0	0.1	24.9	0.2	6.2	0.3

PL102	*Schleichera oleosa*	Leaves	4	Upper	High	-29.4	0.2	27.5	0.2	5.6	0.3
PL112	*Schleichera oleosa*	Leaves	2	Low	Low	-31.2	0.1	24.8	0.2	5.9	0.3
PL113	*Schleichera oleosa*	Fruit	5	Middle	Medium	-28.8	0.1	23.2	0.2	8.4	0.3
PL120	*Schleichera oleosa*	Leaves	5	Middle	Medium	-29.9	0.1	25.3	0.2	6.9	0.3
PL167	*Schleichera oleosa*	Leaves	6	Middle	Medium	-29.2	0.1	25.6	0.2	5.2	0.3
PL168	*Schleichera oleosa*	Fruit	6	Middle	Medium	-26.9	0.1	24.3	0.2	7.0	0.3
PL169	*Schleichera oleosa*	Leaves	5	Upper	High	-29.9	0.1	25.8	0.2	4.5	0.3
PL170	*Schleichera oleosa*	Fruit	5	Upper	High	-27.8	0.1	26.8	0.2	4.5	0.3
PL13	*Streblus asper*	Leaves	1	Middle	Medium	-27.2	0.1	31.0	0.3	8.4	0.2
PL26	*Streblus asper*	Leaves	3	Upper	High	-27.7	0.2	30.2	0.2	7.3	0.2
PL27	*Streblus asper*	Leaves	3	Middle	Medium	-27.0	0.1	30.7	0.3	7.3	0.2
PL134ii	*Streblus asper*	Leaves	3	Low	Medium	-27.9	0.1	28.6	0.2	7.2	0.3
PL28	*Streblus asper*	Leaves	2	Upper	High	-26.9	0.1	29.0	0.2	6.2	0.2
PL29	*Streblus asper*	Leaves	2	Middle	Medium	-27.3	0.1	29.3	0.2	6.6	0.2
PL34	*Streblus asper*	Leaves	1	Upper	High	-26.2	0.1	31.3	0.3	8.4	0.2
PL83	*Streblus asper*	Leaves	1	Low	Low	-28.7	0.1	24.1	0.2	9.0	0.3
PL164	*Streblus asper*	Leaves	2	Low	Low	-30.7	0.1	26.7	0.2	11.5	0.3
PL8	*Szygium cumini*	Unripe fruit	1	Middle	Medium	-27.7	0.1	32.8	0.2	9.1	0.2
PL9	*Szygium cumini*	Leaves	1	Middle	Medium	-30.1	0.1	27.2	0.2	7.1	0.2
PL14	*Szygium*	Unripe	2	Upper	High	-27.0	0.1	32.1	0.2	6.3	0.2

	cumini	fruit									
PL15	*Szygium cumini*	Leaves	2	Upper	High	-31.6	0.1	26.1	0.2	6.4	0.2
PL76	*Szygium cumini*	Fruit	2	Upper	High	-26.6	0.1	33.7	0.2	7.2	0.3
PL77	*Szygium cumini*	Fruit	1	Low	Low	-28.0	0.1	35.4	0.2	9.7	0.4
PL78	*Szygium cumini*	Leaves	1	Low	Low	-32.0	0.2	28.4	0.2	9.9	0.3
PL84	*Szygium cumini*	Leaves	1	Upper	High	-27.4	0.3	32.7	0.2	9.0	0.3
PL106	*Szygium cumini*	Fruit	1	Upper	High	-25.4	0.1	29.3	0.2	8.4	0.3
PL94	*Szygium cumini*	Fruit	3	Upper	High	-27.2	0.1	31.6	0.2	8.2	0.3
PL150	*Szygium cumini*	Fruit	2	Low	Low	-28.3	0.1	34.7	0.2	10.4	0.4
PL152	*Szygium cumini*	Leaves	3	Middle	Medium	-30.9	0.1	27.3	0.2	9.8	0.3
PL153	*Szygium cumini*	Fruit	3	Middle	Medium	-28.2	0.1	35.1	0.2	10.2	0.3
PL154	*Szygium cumini*	Leaves	3	Low	Low	-32.0	0.1	25.6	0.2	11.1	0.3
PL155	*Szygium cumini*	Fruit	3	Low	Low	-28.2	0.1	33.5	0.2	8.6	0.3
PL4	*Tamarindus indica*	Leaf shoots	1	Middle	Medium	-26.2	0.1	27.0	0.2	9.5	0.2
PL5	*Tamarindus indica*	Leaves	1	Middle	Medium	-28.3	0.1	32.0	0.3	10.3	0.2
PL6	*Tamarindus*	Flowers	3	Upper	High	-25.8	0.1	26.9	0.2	9.1	0.2

	indica										
PL7	*Tamarindus indica*	Leaves	3	Upper	High	-27.5	0.1	29.9	0.2	8.9	0.2
PL23	*Tamarindus indica*	Flowers	3	Medium	Middle	-27.5	0.1	26.7	0.2	9.7	0.2
PL24	*Tamarindus indica*	Leaves	3	Medium	Middle	-28.9	0.1	31.4	0.2	9.7	0.2
PL32	*Tamarindus indica*	Flowers	2	Middle	Medium	-25.7	0.1	26.6	0.2	5.2	0.2
PL33	*Tamarindus indica*	Leaves	2	Middle	Medium	-27.3	0.1	32.6	0.2	5.0	0.2
PL35	*Tamarindus indica*	Flowers	2	High	High	-24.2	0.1	27.5	0.2	5.4	0.2
PL36	*Tamarindus indica*	Leaves	2	High	High	-27.2	0.1	30.6	0.2	5.3	0.2
PL46	*Tamarindus indica*	Leaves	1	Low	Low	-29.8	0.1	29.8	0.2	10.5	0.2
PL48	*Tamarindus indica*	Leaves	1	Upper	High	-25.4	0.1	30.3	0.2	8.9	0.2
PL49	*Tamarindus indica*	Flowers	1	Upper	High	-23.9	0.1	27.3	0.2	9.6	0.2
PL55	*Tamarindus indica*	Flowers	1	Low	Low	-28.1	0.1	28.0	0.2	4.6	0.1
PL56	*Tamarindus indica*	Leaves	4	Low	Low	-29.4	0.1	26.1	0.2	5.2	0.2
PL80	*Tamarindus indica*	Flowers	2	Low	Low	-28.2	0.2	29.5	0.2	3.9	0.3
PL81	*Tamarindus indica*	Leaves	2	Low	Low	-30.2	0.1	30.5	0.3	6.0	0.3
PL118	*Tamarindus*	Leaves	3	Low	Low	-30.6	0.1	28.2	0.2	5.1	0.3

	indica										
PL119	*Tamarindus indica*	Flowers	3	Low	Low	-28.6	0.1	26.4	0.2	4.9	0.3
PL142	*Tamarindus indica*	Flowers	4	Middle	Medium	-26.5	0.1	26.0	0.2	8.7	0.4
PL143i	*Tamarindus indica*	Leaves	4	Middle	Medium	-28.2	0.1	32.2	0.2	6.9	0.4
PL175	*Tamarindus indica*	Flowers	4	Low	Low	-27.9	0.1	32.4	0.2	8.3	0.3
PL59	*Vitex pinnata*	Fruit	1	Low	Medium	-26.0	0.1	27.3	0.2	6.0	0.2
PL60	*Vitex pinnata*	Leaves	1	Low	Medium	-27.1	0.2	27.6	0.2	5.8	0.2
PL61	*Vitex pinnata*	Flowers	1	Low	Medium	-25.2	0.1	27.4	0.2	5.9	0.2
PL30	*Walsura piscida*	Leaves	2	Middle	Medium	-28.6	0.1	31.3	0.2	7.1	0.2
PL42	*Walsura piscida*	Leaves	1	Low	Low	-29.2	0.1	30.9	0.3	6.6	0.2
PL144i	*Walsura piscida*	Leaves	3	Low	Low	-31.7	0.1	32.8	0.2	8.3	0.4
PL144ii	*Walsura piscida*	Leaves	2	Low	Low	-32.0	0.1	30.7	0.2	8.0	0.4
PL145i	*Walsura piscida*	Leaves	1	Middle	Medium	-29.4	0.1	31.0	0.2	6.2	0.4
PL145ii	*Walsura piscida*	Leaves	3	Middle	Medium	-28.9	0.1	30.0	0.2	6.7	0.4
PL149	*Walsura piscida*	Leaves	3	Upper	High	-29.7	0.1	28.2	0.2	12.2	0.4
PL148	*Walsura piscida*	Leaf shoots	3	Upper	High	-30.0	0.1	30.9	0.2	10.4	0.4
PL165	*Walsura piscida*	Leaves	2	Upper	High	-26.7	0.1	29.5	0.3	6.1	0.4

PL172	*Walsura piscida*	Leaves	4	Middle	Low	-30.5	0.1	28.5	0.2	8.3	0.3
PL173	*Walsura piscida*	Leaves	1	Upper	High	-29.1	0.1	31.1	0.2	5.9	0.3
PL174	*Walsura piscida*	Leaves	4	Low	Low	-32.8	0.1	30.7	0.2	5.2	0.3

Table C17. Stable carbon, nitrogen, and oxygen isotope results for vegetation samples taken during February 2015 (Wet season) (Table A11).

Sample	Species	Plant part	Tree number	Canopy height	Insolation	$\delta^{13}C$ (‰) (VPDB)	S.D.	$\delta^{18}O$ (‰) (VPDB)	S.D.	$\delta^{15}N$ (‰) (AIR)	S.D.
PL186	*Adina cordifolia*	Leaves	1	Middle	Medium	-27.3	0.1	25.0	0.2	5.8	0.3
PL203	*Adina cordifolia*	Leaves	2	Middle	Medium	-29.6	0.1	24.8	0.2	9.2	0.3
PL204	*Adina cordifolia*	Leaves	1	Low	Low	-29.6	0.2	26.0	0.2	7.7	0.3
PL206	*Adina cordifolia*	Leaves	2	Low	Low	-30.2	0.1	25.9	0.2	5.0	0.3
PL216	*Adina cordifolia*	Leaves	1	Upper	High	-26.7	0.2	24.5	0.2	5.2	0.3
PL219	*Adina cordifolia*	Leaves	2	Upper	High	-28.1	0.2	27.9	0.2	5.5	0.3
PL255	*Azadirachta indica*	Leaves	1	Middle	High	-25.8	0.1	23.7	0.2	4.6	0.3
PL259	*Azadirachta indica*	Leaves	2	Middle	Medium	-28.0	0.2	22.6	0.2	4.6	0.3
PL260	*Azadirachta indica*	Leaves	1	Low	Low	-26.9	0.1	23.3	0.2	5.4	0.3
PL262	*Azadirachta indica*	Leaves	3	Low	Low	-27.2	0.2	23.0	0.2	3.4	0.3
PL263	*Azadirachta indica*	Leaves	2	Low	Low	-27.8	0.1	22.6	0.2	2.7	0.3
PL264	*Azadirachta indica*	Leaves	3	Medium	Medium	-25.6	0.1	22.7	0.2	4.4	0.4
PL280	*Cyperaceae* spp.	Tubers	1	Low	Open	-11.7	0.1	25.5	0.2	0.7	0.4
PL281	*Cyperaceae* spp.	Tubers	2	Low	Open	-11.9	0.1	28.7	0.2	3.9	0.4
PL282	*Cyperaceae* spp.	Tubers	3	Low	Open	-12.2	0.1	27.2	0.2	2.8	0.3
PL295	*Cyperaceae* spp.	Tubers	4	Low	Open	-12.9	0.1	26.1	0.2	3.1	0.3
PL181	*Drypetes sepiaria*	Leaves	1	Middle	Medium	-31.4	0.2	29.3	0.2	6.5	0.3
PL190	*Drypetes*	Leaves	2	Middle	Medium	-29.9	0.1	29.2	0.2	4.8	0.3

	sepiaria										
PL191	*Drypetes sepiaria*	Leaves	1	Low	Low	-31.8	0.1	28.9	0.2	6.8	0.3
PL208	*Drypetes sepiaria*	Leaves	2	Low	Low	-29.8	0.1	28.4	0.2	5.6	0.4
PL213	*Drypetes sepiaria*	Leaves	3	Middle	Medium	-29.0	0.1	29.4	0.2	6.4	0.3
PL215	*Drypetes sepiaria*	Leaves	3	Low	Low	-29.3	0.1	27.9	0.2	7.4	0.3
PL182	*Ficus amplissima*	Fruit	1	Middle	Medium	-30.3	0.2	24.9	0.2	3.0	0.4
PL177	*Ficus amplissima*	Leaves	1	Middle	Medium	-30.3	0.1	22.7	0.2	2.2	0.3
PL185	*Ficus amplissima*	Fruit	2	Middle	Medium	-30.8	0.2	20.3	0.2	4.9	0.3
PL214	*Ficus amplissima*	Leaves	2	Middle	Medium	-32.8	0.2	21.4	0.2	7.1	0.3
PL188	*Ficus amplissima*	Fruit	1	Low	Low	-31.7	0.1	21.7	0.2	5.1	0.3
PL217	*Ficus amplissima*	Leaves	1	Low	Low	-32.1	0.1	22.5	0.2	5.3	0.3
PL202	*Ficus amplissima*	Fruit	2	Upper	High	-31.6	0.2	20.9	0.2	5.6	0.3
PL212	*Ficus amplissima*	Leaves	2	Upper	High	-31.6	0.1	26.5	0.2	5.3	0.3
PL209	*Ficus amplissima*	Fruit	3	Middle	Medium	-29.6	0.1	22.4	0.2	4.8	0.4
PL211	*Ficus amplissima*	Leaves	3	Middle	Medium	-29.6	0.1	25.8	0.2	4.2	0.3
PL210	*Ficus*	Fruit	3	Upper	High	-29.6	0.1	23.7	0.2	3.0	0.3

	amplissima										
PL201	*Ficus amplissima*	Leaves	3	Upper	High	-28.2	0.1	26.4	0.2	2.4	0.3
PL183	*Ficus benghalensis*	Fruit	1	Low	Low	-32.5	0.2	23.2	0.2	5.1	0.3
PL273	*Ficus benghalensis*	Leaves	1	Low	Low	-34.6	0.2	23.9	0.2	8.4	0.3
PL196	*Ficus benghalensis*	Fruit	2	Low	Low	-33.0	0.2	22.4	0.2	8.2	0.3
PL274	*Ficus benghalensis*	Leaves	2	Low	Low	-34.7	0.2	22.3	0.2	8.0	0.3
PL194	*Ficus benghalensis*	Fruit	1	Upper	High	-29.7	0.1	21.6	0.2	6.5	0.3
PL272	*Ficus benghalensis*	Leaves	1	Upper	High	-31.7	0.1	22.8	0.2	8.1	0.3
PL193	*Ficus benghalensis*	Fruit	1	Middle	Medium	-31.0	0.2	23.2	0.2	6.1	0.3
PL229	*Ficus benghalensis*	Leaves	1	Middle	Medium	-31.7	0.1	19.9	0.2	5.7	0.3
PL195	*Ficus benghalensis*	Fruit	2	Upper	High	-31.9	0.1	22.8	0.2	4.4	0.3
PL197	*Ficus benghalensis*	Fruit	2	Medium	Middle	-33.0	0.2	22.8	0.2	7.6	0.3
PL241	*Ficus benghalensis*	Leaves	2	Medium	Middle	-32.0	0.1	23.5	0.2	7.7	0.3
PL179	*Ficus benghalensis*	Leaves	2	Upper	High	-31.9	0.1	25.6	0.2	7.4	0.3
PL187	*Garcinia spicata*	Leaves	1	Low	Medium	-29.9	0.2	28.0	0.2	5.2	0.3
PL192	*Garcinia spicata*	Leaves	1	Middle	Medium	-30.3	0.2	27.4	0.2	7.4	0.3
PL205	*Garcinia spicata*	Leaves	2	Low	Low	-29.0	0.2	27.9	0.2	5.4	0.3

PL218	*Garcinia spicata*	Leaves	2	Middle	Medium	-28.7	0.1	27.9	0.2	5.5	0.3
PL258	*Garcinia spicata*	Leaves	3	Middle	Medium	-28.2	0.2	25.8	0.2	5.4	0.3
PL261	*Garcinia spicata*	Leaves	3	Low	High	-28.6	0.1	28.2	0.2	5.4	0.3
PL199	*Glycosmis pentophylla*	Leaf shoots	1	Low	Low	-28.9	0.2	25.0	0.2	6.8	0.3
PL200	*Glycosmis pentophylla*	Leaf shoots	2	Low	Medium	-31.9	0.2	25.4	0.2	6.9	0.3
PL221	*Glycosmis pentophylla*	Leaf shoots	3	Low	Low	-29.6	0.2	25.1	0.2	5.4	0.3
PL222	*Glycosmis pentophylla*	Leaf shoots	4	Low	Low	-32.1	0.1	24.9	0.2	5.3	0.3
PL224	*Glycosmis pentophylla*	Leaf shoots	5	Low	Medium	-29.2	0.1	23.4	0.2	5.7	0.3
PL178	*Manilkara hexandra*	Leaves	1	Upper	High	-27.3	0.2	24.7	0.2	7.3	0.3
PL184	*Manilkara hexandra*	Leaves	1	Low	Low	-29.5	0.1	24.2	0.2	6.8	0.3
PL189	*Manilkara hexandra*	Leaves	2	Middle	Medium	-29.2	0.2	24.1	0.2	5.3	0.3
PL227	*Manilkara hexandra*	Leaves	2	Upper	High	-27.3	0.1	25.2	0.2	5.4	0.3
PL226	*Manilkara hexandra*	Leaves	3	Middle	Medium	-28.1	0.1	25.8	0.2	6.6	0.3
PL234	*Manilkara hexandra*	Leaves	1	Middle	Medium	-28.2	0.1	26.5	0.2	5.6	0.3
PL198	*Mimosa pudica*	Leaves	1	Low	Low	-31.0	0.2	24.9	0.2	-0.8	0.4
PL223	*Mimosa pudica*	Leaves	2	Low	Low	-32.5	0.2	24.6	0.2	0.2	0.4
PL247	*Schleichera oleosa*	Leaves	1	Low	Low	-31.5	0.2	23.3	0.2	5.0	0.3
PL285	*Schleichera*	Leaves	2	Low	Low	-30.9	0.1	22.7	0.2	5.1	0.3

	oleosa										
PL288	*Schleichera oleosa*	Leaves	3	Low	Low	-30.3	0.1	21.6	0.2	7.9	0.3
PL242	*Schleichera oleosa*	Leaves	1	Middle	Medium	-30.7	0.2	22.7	0.2	5.3	0.3
PL266	*Schleichera oleosa*	Leaves	3	Middle	Medium	-30.3	0.2	22.9	0.2	7.0	0.3
PL269	*Schleichera oleosa*	Leaves	1	Upper	High	-29.6	0.1	22.3	0.2	6.9	0.3
PL271	*Schleichera oleosa*	Leaves	3	Upper	High	-28.2	0.1	22.4	0.2	6.2	0.3
PL248	*Schleichera oleosa*	Leaves	2	Middle	Medium	-29.7	0.1	23.7	0.2	6.7	0.3
PL251	*Schleichera oleosa*	Leaf shoots	3	Low	Low	-30.3	0.1	23.5	0.2	6.2	0.3
PL289	*Schleichera oleosa*	Leaf shoots	1	Low	Low	-30.8	0.1	21.3	0.2	4.7	0.3
PL291	*Schleichera oleosa*	Leaf shoots	2	Low	Low	-29.6	0.1	21.5	0.2	6.3	0.3
PL249	*Schleichera oleosa*	Leaf shoots	1	Upper	High	-29.7	0.1	22.0	0.2	6.7	0.3
PL270	*Schleichera oleosa*	Leaf shoots	3	Upper	High	-28.4	0.1	22.0	0.2	5.4	0.3
PL267	*Schleichera oleosa*	Leaf shoots	2	Middle	Medium	-29.9	0.1	21.3	0.2	7.1	0.3
PL268	*Schleichera oleosa*	Leaf shoots	1	Middle	Medium	-30.1	0.1	22.0	0.2	7.5	0.3
PL290	*Schleichera oleosa*	Leaf shoots	3	Middle	Medium	-29.6	0.1	22.8	0.2	6.3	0.3
PL207	*Streblus asper*	Leaves	1	Low	Low	-32.5	0.2	27.6	0.2	5.5	0.4

PL233	*Streblus asper*	Leaves	2	Low	Low	-31.3	0.1	27.5	0.2	3.6	0.3
PL180	*Streblus asper*	Leaves	1	Upper	High	-28.9	0.1	27.1	0.2	6.5	0.3
PL228	*Streblus asper*	Leaves	3	Low	Low	-30.6	0.1	25.3	0.2	7.3	0.3
PL230	*Streblus asper*	Leaves	2	Middle	Medium	-29.9	0.1	25.0	0.2	8.7	0.3
PL231	*Streblus asper*	Leaves	1	Middle	Medium	-30.9	0.1	26.2	0.2	6.4	0.3
PL235	*Szygium cumini*	Leaves	1	Upper	High	-27.3	0.1	26.3	0.2	4.2	0.3
PL237	*Szygium cumini*	Leaves	1	Middle	Medium	-29.1	0.1	30.0	0.2	3.4	0.3
PL292	*Szygium cumini*	Leaves	1	Low	Low	-31.6	0.1	26.4	0.2	4.5	0.3
PL244	*Szygium cumini*	Leaves	2	Low	Low	-31.2	0.2	29.8	0.2	3.6	0.3
PL239	*Szygium cumini*	Leaves	3	Middle	Medium	-28.4	0.1	30.5	0.2	4.0	0.3
PL245	*Szygium cumini*	Leaves	3	Low	Low	-30.2	0.2	30.5	0.2	3.6	0.3
PL238	*Tamarindus indica*	Leaves	1	Middle	Medium	-31.9	0.1	27.9	0.2	10.0	0.3
PL240	*Tamarindus indica*	Leaves	2	Low	Low	-32.4	0.1	28.1	0.2	9.8	0.3
PL243	*Tamarindus indica*	Leaves	1	Low	Low	-32.7	0.2	26.6	0.2	10.1	0.3
PL276	*Tamarindus indica*	Leaves	3	Low	Low	-32.6	0.1	26.8	0.2	7.0	0.3
PL278	*Tamarindus indica*	Leaves	2	Middle	Medium	-31.6	0.1	26.0	0.2	8.0	0.3
PL232	*Vitex pinnata*	Leaves	1	Low	Low	-31.3	0.1	21.2	0.2	6.1	0.3
PL236	*Vitex pinnata*	Leaves	1	Middle	Medium	-28.4	0.1	23.7	0.2	5.8	0.4
PL283	*Vitex pinnata*	Leaves	2	Low	Low	-30.0	0.1	22.9	0.2	4.5	0.3
PL284	*Vitex pinnata*	Leaves	3	Low	Low	-30.4	0.1	21.9	0.2	5.3	0.3
PL293	*Vitex pinnata*	Leaves	3	Middle	Medium	-30.6	0.1	24.2	0.2	5.0	0.3
PL294	*Vitex pinnata*	Leaves	2	Middle	Medium	-30.0	0.2	25.6	0.2	5.3	0.3
PL256	*Walsura piscida*	Leaves	1	Low	Low	-30.9	0.1	24.8	0.2	9.6	0.4
PL277	*Walsura piscida*	Leaves	2	Low	Low	-30.6	0.1	26.1	0.2	9.7	0.3

PL265	*Walsura piscida*	Leaves	2	Middle	Medium	-28.8	0.1	23.3	0.2	3.8	0.4
PL257	*Walsura piscida*	Leaves	1	Middle	Medium	-28.9	0.1	24.6	0.2	9.9	0.4
PL253	*Walsura piscida*	Leaves	3	Low	Low	-31.6	0.1	23.2	0.2	7.2	0.3
PL254	*Walsura piscida*	Leaves	3	Middle	Medium	-29.4	0.1	24.8	0.2	10.4	0.4
PL252	*Walsura piscida*	Flowers	1	Low	Low	-31.2	0.1	23.0	0.2	9.3	0.3
PL250	*Walsura piscida*	Flowers	2	Low	Low	-30.6	0.1	23.6	0.2	9.3	0.3
PL286	*Walsura piscida*	Flowers	3	Low	Low	-29.9	0.1	25.2	0.2	14.0	0.3
PL275	*Walsura piscida*	Flowers	1	Middle	Medium	-28.5	0.1	24.4	0.2	10.3	0.3
PL279	*Walsura piscida*	Flowers	2	Middle	Medium	-29.0	0.1	23.0	0.2	10.3	0.3
PL287	*Walsura piscida*	Flowers	2	Low	Low	-29.5	0.1	24.3	0.2	10.4	0.3

Table C18. $\delta^{13}C$ measurements obtained for IAEA-CH-6 standard in this study, including mean and standard deviation.

$\delta^{13}C$ (‰) (VPDB)
-10.6
-10.3
-10.3
-10.4
-10.4
-10.5
-10.4
-10.1
-10.2
-10.4
-10.2
-10.2
-10.2
-10.3
-10.2
-10.2
-10.3
-10.3
-10.4
-10.3
-10.4
-10.4
-10.3
-10.4
-10.2
-10.2
-10.3
-10.3
-10.0
-10.4
-10.2
-10.3
-10.4
-10.3
-10.4
-10.4
-10.6
-10.5
-10.3
-10.3
-10.3
-10.4
-10.4
-10.2

-10.3
-10.4
-10.8
-10.3
-10.4
-10.2
-10.2
-11.1
-10.4
-10.3
-10.6
-10.1
-10.2
-10.3
-10.3
-10.4
-10.5
-9.8
-11.4
-10.5
-10.2
-10.7
-10.3
-10.5
-10.7
-11.1
-10.4
-10.6
-10.5
-10.4
-10.8
AVERAGE=-10.4
SD=0.2

Table C19. $\delta^{13}C$ measurements obtained for IAEA-CH-7 standard in this study, including mean and standard deviation.

$\delta^{13}C$ (‰) (VPDB)
-31.8
-31.6
-31.9
-31.8
-31.9
-31.8
-31.6
-31.6
-31.4
-31.6
-31.8
-31.6
-31.5
-31.6
-31.7
-31.6
-31.7
-31.7
-31.8
-31.5
-31.7
-31.4
-31.6
-31.6
-31.8
-31.5
-31.5
-31.7
-31.8
-31.4
-31.8
-31.7
-31.7
-31.8
-31.7
-31.6
-31.8
-31.5
-31.6
-31.4
-31.5
-31.6
-31.8
-31.7

-31.5
-31.7
-31.7
-31.6
-31.8
-31.9
-31.2
-32.1
-31.5
-31.7
-31.7
-31.5
-30.6
-31.7
-31.9
-31.6
-31.4
-30.9
-31.0
-31.4
-31.4
-32.0
-31.2
-31.6
-31.4
-31.6
-31.2
-31.3
-31.3
-31.6
-31.6
AVERAGE=-31.6
SD=0.2

Table C20. $\delta^{15}N$ measurements obtained for IAEA-N_2 standard in this study, including mean and standard deviation.

$\delta^{15}N$ (‰) (AIR)
19.8
19.4
19.3
19.1
19.9
19.0
19.7
19.8
19.7
19.6
19.9
19.0
20.8
19.5
20.1
19.6
19.0
20.1
18.8
20.4
20.9
20.5
20.2
19.6
19.6
19.7
20.4
20.7
20.8
20.8
20.0
20.3
19.9
20.4
20.4
20.5
20.5
20.5
20.6
20.6
20.6
20.6
20.7
20.7

20.7
20.8
20.8
20.8
20.9
20.6
AVERAGE=20.1
SD=0.6

Table C21. $\delta^{15}N$ measurements obtained for IAEA-600 standard in this study, including mean and standard deviation.

$\delta^{15}N$ (‰) (AIR)
0.9
0.9
1.3
1.1
1.1
1.3
1.5
1.7
0.9
0.6
1.1
1.1
1.1
1.1
1.2
1.3
1.1
1.1
1.0
1.0
1.0
1.1
1.3
1.1
1.1
0.9
0.8
1.1
1.1
1.0
0.9
0.9
0.6
1.5
1.2
1.3
1.2
1.5
1.2
1.1
1.0
1.2
1.4
0.7

0.8
1.2
0.9
0.9
1.1
1.1
AVERAGE=1.1
SD=0.2

Table C22. $\delta^{18}O$ measurements obtained for EMA-P1 standard in this study, including mean and standard deviation.

$\delta^{18}O$ (‰) (VSMOW)
21.4
21.1
21.0
21.0
20.8
21.2
21.0
21.1
21.5
20.9
20.5
21.0
21.5
21.5
21.4
21.2
21.0
21.0
21.1
21.3
20.9
21.0
21.2
21.2
21.1
21.5
21.2
21.0
21.0
20.9
21.0
20.6
21.0
20.1
21.0
21.2
21.4
21.2
21.0
21.0
20.7
21.0
21.1
20.7

20.9
20.6
21.2
21.0
20.9
21.0
AVERAGE=21.0
SD=0.3

Table C23. $\delta^{18}O$ measurements obtained for EMA-P2 standard in this study, including mean and standard deviation.

$\delta^{18}O$ (‰) (VSMOW)
27.6
28.2
28.4
27.4
27.2
27.2
27.1
27.1
28.3
26.8
27.2
26.5
26.5
27.3
26.9
25.4
26.2
26.1
26.9
26.8
27.2
26.5
26.4
25.7
25.9
26.1
26.9
27.5
26.4
26.8
28.1
26.5
27.8
26.4
26.8
27.2
26.7
26.8
27.2
27.6
27.9
26.3
26.5
26.4

26.8
27.0
28.1
26.4
27.2
28.1
AVERAGE=27.0
SD=0.7

Table C24. Results of PCA analysis on the observations $\delta^{13}C$, $\delta^{18}O$ and $\delta^{15}N$ for modern plant samples with Cyperaceae spp..

Importance of components			
	PC1	**PC2**	**PC3**
Standard deviation	1.118	1.065	0.784
Proportion of variance	0.417	0.378	0.205
Cumulative proportion	0.417	0.795	1.000
Rotation			
	PC1	**PC2**	**PC3**
$\delta^{13}C$	0.778	0.032	0.627
$\delta^{18}O$	0.477	-0.680	-0.557
$\delta^{15}N$	-0.408	-0.733	0.544

Table C25. Results of PCA analysis on the observations $\delta^{13}C$, $\delta^{18}O$ and $\delta^{15}N$ for modern plant samples without Cyperaceae spp..

Importance of components			
	PC1	**PC2**	**PC3**
Standard deviation	1.134	1.029	0.809
Proportion of variance	0.429	0.353	0.218
Cumulative proportion	0.429	0.782	1.000
Rotation			
	PC1	**PC2**	**PC3**
$\delta^{13}C$	-0.644	-0.454	0.616
$\delta^{18}O$	-0.732	0.131	-0.669
$\delta^{15}N$	-0.223	0.881	0.417

Table C26. Results of ANOVA of linear model that treats $\delta^{13}C$ as a response variable and species, plant part, insolation, height, and season (as well as interaction effects between these categories) as effects.

Effect	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Species	17	301.127	17.713	18.617	0.000
Plant part	5	147.379	29.476	30.980	0.000
Insolation	2	185.975	92.987	97.734	0.000
Height	2	2.372	1.186	1.247	0.291
Season	1	72.871	72.871	76.590	0.000
Species:Plant part	21	58.753	2.798	2.941	0.000
Species:Insolation	27	45.193	1.674	1.759	0.018
Plant part:Insolation	9	5.193	0.577	0.606	0.790
Species:Height	11	20.632	1.876	1.971	0.035
Plant part:Height	5	7.368	1.474	1.549	0.178
Insolation:Height	1	3.356	3.356	3.528	0.062
Species:Season	10	104.926	10.493	11.028	0.000
Plant part:Season	1	2.192	2.192	2.304	0.131
Insolation:Season	2	0.933	0.466	0.490	0.614
Species:Plant part:Insolation	9	6.202	0.689	0.724	0.686
Species:Plant part:Height	1	2.752	2.752	2.892	0.091
Species:Plant part:Season	1	2.289	2.289	2.406	0.123
Species:Insolation:Season	13	5.482	0.422	0.443	0.951
Plant part:Insolation:Season	2	3.602	1.801	1.893	0.154
Residuals	147	139.861	0.951		

*p=<0.05

Table C27. Results of ANOVA of linear model that treats $\delta^{13}C$ as a response variable and includes only the effects found to be significant in Catalogue Table C26 as effects.

Effect	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Species	17	301.127	17.713	18.993	0.000
Plant part	5	147.379	29.476	31.606	0.000
Insolation	2	185.975	92.987	99.707	0.000
Season	1	73.049	73.049	78.328	0.000
Species:Plant part	21	59.470	2.832	3.037	0.000
Species:Insolation	27	44.236	1.638	1.757	0.016
Species:Height	13	23.763	1.828	1.960	0.026
Species:Season	10	105.330	10.533	11.294	0.000
Residuals	191	178.127	0.933		

*p=<0.05

Table C28. Results of ANOVA of linear model that treats $\delta^{13}C$ as a response variable and species, plant part, insolation and season as effects.

Effect	**Degrees of freedom**	**Sum of squares**	**Mean square**	**F value**	**Pr(>F)***
Species	17	301.127	17.713	11.294	0.000
Plant part	5	147.379	29.476	18.793	0.000
Insolation	2	185.975	92.987	59.287	0.000
Season	1	73.049	73.049	46.575	0.000
Residuals	262	410.93	1.568		

*p=<0.05

Table C29. Results of post-hoc Tukey pair-wise comparison for ANOVA of linear model that treats $\delta^{13}C$ as a response variable and species, plant part, insolation and season as effects. 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.

Species				
	Difference	**Lower**	**Upper**	**P-value***
Azadirachta indica-Adina cordifolia	0.284	-1.468	2.036	1.000
Cassia fistula-Adina cordifolia	-0.287	-2.566	1.992	1.000
Cassia roxburghii-Adina cordifolia	0.475	-1.112	2.061	1.000
Drypetes sepiaria-Adina cordifolia	-2.169	-4.101	-0.237	0.012
Ficus amplissima-Adina cordifolia	-0.631	-2.072	0.811	0.987
Ficus benghalensis-Adina cordifolia	-3.721	-5.213	-2.229	0.000
Ficus religiosa-Adina cordifolia	-1.707	-4.190	0.777	0.592
Garcinia spicata-Adina cordifolia	-0.767	-2.378	0.845	0.969
Glycosmis pentophylla-Adina cordifolia	-2.447	-4.726	-0.168	0.021
Manilkara hexandra-Adina cordifolia	-0.833	-2.357	0.691	0.899
Mimosa pudica-Adina cordifolia	-2.173	-4.305	-0.041	0.040
Schleichera oleosa-Adina cordifolia	-1.614	-2.941	-0.286	0.003
Streblus asper-Adina cordifolia	-1.020	-2.632	0.592	0.731
Szygium cumini-Adina cordifolia	-1.078	-2.570	0.414	0.497
Tamarindus indica-Adina cordifolia	-0.499	-1.921	0.922	0.999
Vitex pinnata-Adina cordifolia	-0.884	-2.745	0.976	0.970
Walsura piscida-Adina cordifolia	-2.003	-3.455	-0.550	0.000
Cassia fistula-Azadirachta indica	-0.571	-2.951	1.810	1.000
Cassia roxburghii-Azadirachta indica	0.190	-1.538	1.919	1.000
Drypetes sepiaria-Azadirachta indica	-2.453	-4.504	-0.403	0.004
Ficus amplissima-Azadirachta indica	-0.915	-2.512	0.682	0.857
Ficus benghalensis-Azadirachta indica	-4.005	-5.648	-2.363	0.000
Ficus religiosa-Azadirachta indica	-1.991	-4.568	0.586	0.370
Garcinia spicata-Azadirachta indica	-1.051	-2.803	0.701	0.806
Glycosmis pentophylla-Azadirachta indica	-2.731	-5.111	-0.350	0.008
Manilkara hexandra-Azadirachta indica	-1.117	-2.789	0.555	0.643
Mimosa pudica-Azadirachta indica	-2.458	-4.698	-0.218	0.016
Schleichera oleosa-Azadirachta indica	-1.898	-3.393	-0.403	0.002
Streblus asper-Azadirachta indica	-1.304	-3.056	0.448	0.440
Szygium cumini-Azadirachta indica	-1.362	-3.005	0.280	0.248
Tamarindus indica-Azadirachta indica	-0.784	-2.362	0.795	0.955
Vitex pinnata-Azadirachta indica	-1.169	-3.152	0.815	0.827
Walsura piscida-Azadirachta indica	-2.287	-3.894	-0.680	0.000
Cassia roxburghii-Cassia fistula	0.761	-1.500	3.022	0.999
Drypetes sepiaria-Cassia fistula	-1.883	-4.399	0.634	0.431
Ficus amplissima-Cassia fistula	-0.344	-2.506	1.818	1.000
Ficus benghalensis-Cassia fistula	-3.434	-5.630	-1.238	0.000
Ficus religiosa-Cassia fistula	-1.420	-4.381	1.541	0.967
Garcinia spicata-Cassia fistula	-0.480	-2.759	1.799	1.000
Glycosmis pentophylla-Cassia fistula	-2.160	-4.951	0.631	0.367

Manilkara hexandra-Cassia fistula	-0.546	-2.765	1.672	1.000
Mimosa pudica-Cassia fistula	-1.887	-4.559	0.786	0.542
Schleichera oleosa-Cassia fistula	-1.327	-3.415	0.761	0.725
Streblus asper-Cassia fistula	-0.733	-3.012	1.546	1.000
Szygium cumini-Cassia fistula	-0.791	-2.988	1.405	0.999
Tamarindus indica-Cassia fistula	-0.213	-2.361	1.936	1.000
Vitex pinnata-Cassia fistula	-0.598	-3.060	1.864	1.000
Walsura piscida-Cassia fistula	-1.716	-3.885	0.454	0.328
Drypetes sepiaria-Cassia roxburghii	-2.644	-4.555	-0.733	0.000
Ficus amplissima-Cassia roxburghii	-1.105	-2.518	0.308	0.348
Ficus benghalensis-Cassia roxburghii	-4.196	-5.660	-2.731	0.000
Ficus religiosa-Cassia roxburghii	-2.181	-4.648	0.286	0.157
Garcinia spicata-Cassia roxburghii	-1.241	-2.827	0.345	0.347
Glycosmis pentophylla-Cassia roxburghii	-2.921	-5.182	-0.660	0.001
Manilkara hexandra-Cassia roxburghii	-1.308	-2.805	0.190	0.173
Mimosa pudica-Cassia roxburghii	-2.648	-4.761	-0.535	0.002
Schleichera oleosa-Cassia roxburghii	-2.088	-3.385	-0.792	0.000
Streblus asper-Cassia roxburghii	-1.495	-3.081	0.092	0.091
Szygium cumini-Cassia roxburghii	-1.553	-3.017	-0.088	0.025
Tamarindus indica-Cassia roxburghii	-0.974	-2.366	0.419	0.559
Vitex pinnata-Cassia roxburghii	-1.359	-3.198	0.480	0.454
Walsura piscida-Cassia roxburghii	-2.477	-3.902	-1.053	0.000
Ficus amplissima-Drypetes sepiaria	1.539	-0.254	3.331	0.197
Ficus benghalensis-Drypetes sepiaria	-1.552	-3.385	0.282	0.217
Ficus religiosa-Drypetes sepiaria	0.463	-2.240	3.165	1.000
Garcinia spicata-Drypetes sepiaria	1.403	-0.530	3.335	0.489
Glycosmis pentophylla-Drypetes sepiaria	-0.278	-2.794	2.239	1.000
Manilkara hexandra-Drypetes sepiaria	1.336	-0.524	3.196	0.509
Mimosa pudica-Drypetes sepiaria	-0.004	-2.388	2.379	1.000
Schleichera oleosa-Drypetes sepiaria	0.555	-1.147	2.258	1.000
Streblus asper-Drypetes sepiaria	1.149	-0.783	3.081	0.816
Szygium cumini-Drypetes sepiaria	1.091	-0.743	2.925	0.816
Tamarindus indica-Drypetes sepiaria	1.670	-0.107	3.447	0.093
Vitex pinnata-Drypetes sepiaria	1.285	-0.860	3.429	0.807
Walsura piscida-Drypetes sepiaria	0.167	-1.635	1.968	1.000
Ficus benghalensis-Ficus amplissima	-3.090	-4.397	-1.784	0.000
Ficus religiosa-Ficus amplissima	-1.076	-3.453	1.301	0.981
Garcinia spicata-Ficus amplissima	-0.136	-1.577	1.305	1.000
Glycosmis pentophylla-Ficus amplissima	-1.816	-3.978	0.346	0.228
Manilkara hexandra-Ficus amplissima	-0.202	-1.546	1.141	1.000
Mimosa pudica-Ficus amplissima	-1.543	-3.549	0.464	0.379
Schleichera oleosa-Ficus amplissima	-0.983	-2.098	0.132	0.161
Streblus asper-Ficus amplissima	-0.389	-1.831	1.052	1.000
Szygium cumini-Ficus amplissima	-0.447	-1.754	0.859	0.999
Tamarindus indica-Ficus amplissima	0.131	-1.094	1.356	1.000

Vitex pinnata-Ficus amplissima	-0.254	-1.969	1.462	1.000
Walsura piscida-Ficus amplissima	-1.372	-2.633	-0.111	0.018
Ficus religiosa-Ficus benghalensis	2.014	-0.393	4.422	0.234
Garcinia spicata-Ficus benghalensis	2.954	1.462	4.446	0.000
Glycosmis pentophylla-Ficus benghalensis	1.274	-0.922	3.470	0.844
Manilkara hexandra-Ficus benghalensis	2.888	1.491	4.285	0.000
Mimosa pudica-Ficus benghalensis	1.548	-0.495	3.591	0.407
Schleichera oleosa-Ficus benghalensis	2.107	0.928	3.287	0.000
Streblus asper-Ficus benghalensis	2.701	1.209	4.193	0.000
Szygium cumini-Ficus benghalensis	2.643	1.281	4.005	0.000
Tamarindus indica-Ficus benghalensis	3.222	1.938	4.506	0.000
Vitex pinnata-Ficus benghalensis	2.837	1.078	4.595	0.000
Walsura piscida-Ficus benghalensis	1.718	0.400	3.037	0.001
Garcinia spicata-Ficus religiosa	0.940	-1.544	3.424	0.997
Glycosmis pentophylla-Ficus religiosa	-0.740	-3.701	2.221	1.000
Manilkara hexandra-Ficus religiosa	0.874	-1.554	3.302	0.999
Mimosa pudica-Ficus religiosa	-0.467	-3.316	2.382	1.000
Schleichera oleosa-Ficus religiosa	0.093	-2.217	2.402	1.000
Streblus asper-Ficus religiosa	0.687	-1.797	3.170	1.000
Szygium cumini-Ficus religiosa	0.629	-1.779	3.036	1.000
Tamarindus indica-Ficus religiosa	1.207	-1.157	3.572	0.942
Vitex pinnata-Ficus religiosa	0.822	-1.830	3.474	1.000
Walsura piscida-Ficus religiosa	-0.296	-2.679	2.088	1.000
Glycosmis pentophylla-Garcinia spicata	-1.680	-3.959	0.599	0.459
Manilkara hexandra-Garcinia spicata	-0.066	-1.591	1.458	1.000
Mimosa pudica-Garcinia spicata	-1.407	-3.539	0.725	0.664
Schleichera oleosa-Garcinia spicata	-0.847	-2.175	0.480	0.719
Streblus asper-Garcinia spicata	-0.253	-1.865	1.358	1.000
Szygium cumini-Garcinia spicata	-0.311	-1.803	1.181	1.000
Tamarindus indica-Garcinia spicata	0.267	-1.154	1.689	1.000
Vitex pinnata-Garcinia spicata	-0.118	-1.979	1.743	1.000
Walsura piscida-Garcinia spicata	-1.236	-2.688	0.217	0.209
Manilkara hexandra-Glycosmis pentophylla	1.614	-0.605	3.832	0.485
Mimosa pudica-Glycosmis pentophylla	0.273	-2.399	2.946	1.000
Schleichera oleosa-Glycosmis pentophylla	0.833	-1.255	2.921	0.995
Streblus asper-Glycosmis pentophylla	1.427	-0.852	3.706	0.748
Szygium cumini-Glycosmis pentophylla	1.369	-0.828	3.565	0.754
Tamarindus indica-Glycosmis pentophylla	1.947	-0.201	4.096	0.129
Vitex pinnata-Glycosmis pentophylla	1.562	-0.900	4.024	0.727
Walsura piscida-Glycosmis pentophylla	0.444	-1.725	2.614	1.000
Mimosa pudica-Manilkara hexandra	-1.340	-3.407	0.726	0.693
Schleichera oleosa-Manilkara hexandra	-0.781	-2.001	0.439	0.714
Streblus asper-Manilkara hexandra	-0.187	-1.711	1.337	1.000
Szygium cumini-Manilkara hexandra	-0.245	-1.643	1.152	1.000

Tamarindus indica-Manilkara hexandra	0.334	-0.988	1.655	1.000
Vitex pinnata-Manilkara hexandra	-0.051	-1.837	1.734	1.000
Walsura piscida-Manilkara hexandra	-1.170	-2.525	0.186	0.189
Schleichera oleosa-Mimosa pudica	0.560	-1.367	2.486	1.000
Streblus asper-Mimosa pudica	1.153	-0.979	3.285	0.907
Szygium cumini-Mimosa pudica	1.095	-0.948	3.138	0.913
Tamarindus indica-Mimosa pudica	1.674	-0.318	3.666	0.227
Vitex pinnata-Mimosa pudica	1.289	-1.037	3.615	0.888
Walsura piscida-Mimosa pudica	0.171	-1.844	2.185	1.000
Streblus asper-Schleichera oleosa	0.594	-0.734	1.921	0.983
Szygium cumini-Schleichera oleosa	0.536	-0.644	1.715	0.980
Tamarindus indica-Schleichera oleosa	1.115	0.026	2.203	0.038
Vitex pinnata-Schleichera oleosa	0.729	-0.892	2.351	0.982
Walsura piscida-Schleichera oleosa	-0.389	-1.518	0.741	0.999
Szygium cumini-Streblus asper	-0.058	-1.550	1.434	1.000
Tamarindus indica-Streblus asper	0.521	-0.901	1.942	0.998
Vitex pinnata-Streblus asper	0.136	-1.725	1.996	1.000
Walsura piscida-Streblus asper	-0.983	-2.435	0.470	0.621
Tamarindus indica-Szygium cumini	0.579	-0.705	1.863	0.982
Vitex pinnata-Szygium cumini	0.194	-1.565	1.952	1.000
Walsura piscida-Szygium cumini	-0.924	-2.243	0.394	0.555
Vitex pinnata-Tamarindus indica	-0.385	-2.084	1.314	1.000
Walsura piscida-Tamarindus indica	-1.503	-2.741	-0.265	0.003
Walsura piscida-Vitex pinnata	-1.118	-2.843	0.607	0.694
Plant Part				
	Difference	**Lower**	**Upper**	**P-value***
Fruit-Flowers	-0.187	-1.052	0.678	0.990
Leaf shoots-Flowers	-0.861	-1.938	0.216	0.199
Leaves-Flowers	-1.432	-2.176	-0.688	0.000
Unripe fruit-Flowers	1.795	-0.131	3.721	0.084
Young leaves-Flowers	-0.954	-2.048	0.140	0.127
Leaf shoots-Fruit	-0.674	-1.649	0.300	0.353
Leaves-Fruit	-1.245	-1.832	-0.658	0.000
Unripe fruit-Fruit	1.982	0.111	3.853	0.031
Young leaves-Fruit	-0.767	-1.761	0.226	0.233
Leaves-Leaf shoots	-0.571	-1.440	0.299	0.414
Unripe fruit-Leaf shoots	2.656	0.678	4.634	0.002
Young leaves-Leaf shoots	-0.093	-1.276	1.090	1.000
Unripe fruit-Leaves	3.227	1.408	5.045	0.000
Young leaves-Leaves	0.478	-0.413	1.368	0.639
Young leaves-Unripe fruit	-2.749	-4.737	-0.762	0.001
Insolation				
	Difference	**Lower**	**Upper**	**P-value***
Low-High	-1.923	-2.365	-1.480	0.000
Medium-High	-0.845	-1.276	-0.413	0.000
Medium-Low	1.078	0.666	1.490	0.000
Season				
	Difference	**Lower**	**Upper**	**P-value***

Wet-Dry	-0.879	-1.177	-0.581	0.000

*p=<0.05

Table C30. Results of ANOVA of linear model that treats $\delta^{18}O$ as a response variable and species, plant part, insolation, height, and season (as well as interaction effects between these categories) as effects.

Effect	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F) *
Species	17	1087.61	63.98	31.110	0.000
Plant part	5	133.70	26.74	13.002	0.000
Insolation	2	16.76	8.38	4.074	0.019
Height	2	54.44	27.22	13.235	0.000
Season	1	499.48	499.48	242.882	0.000
Species:Plant part	21	244.31	11.63	5.657	0.000
Species:Insolation	27	69.92	2.59	1.259	0.194
Plant part:Insolation	9	22.67	2.52	1.225	0.284
Species:Height	11	17.30	1.57	0.765	0.675
Plant part:Height	5	13.86	2.77	1.348	0.248
Insolation:Height	1	1.24	1.24	0.604	0.438
Species:Season	10	141.81	14.18	6.896	0.000
Plant part:Season	1	0.48	0.48	0.235	0.629
Insolation:Season	2	5.09	2.54	1.237	0.293
Species:Plant part:Insolation	9	42.21	4.69	2.281	0.020
Species:Plant part:Height	1	0.14	0.14	0.069	0.793
Species:Plant part:Season	1	0.06	0.06	0.028	0.867
Species:Insolation:Season	13	45.07	3.47	1.686	0.070
Plant part:Insolation:Season	2	4.74	2.37	1.152	0.319
Residuals	147	302.30	2.06		

*p=<0.05

Table C31. Results of ANOVA of linear model that treats $\delta^{18}O$ as a response variable and includes only the effects found to be significant in Catalogue Table C30 as effects.

Effect	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Species	17	1087.61	63.98	30.054	0.000
Plant part	5	133.70	26.74	12.561	0.000
Insolation	2	16.76	8.38	3.936	0.021
Height	2	54.44	27.22	12.786	0.000
Season	1	499.48	499.48	234.637	0.000
Species:Plant part	21	244.31	11.63	5.465	0.000
Species:Season	12	145.92	12.16	5.712	0.016
Species:Plant part:Insolation	47	137.79	2.93	1.377	0.071
Residuals	180	383.18	2.13		

*p=<0.05

Table C32. Results of ANOVA of linear model that treats $\delta^{18}O$ as a response variable and includes only the effects found to be significant in Catalogue Table C31 as effects.

Effect	**Degrees of freedom**	**Sum of squares**	**Mean square**	**F value**	**Pr(>F)***
Species	17	1087.61	63.98	27.877	0.000
Plant part	5	133.70	26.74	11.651	0.000
Insolation	2	16.76	8.38	3.651	0.028
Height	2	54.44	27.22	11.860	0.000
Season	1	499.48	499.48	217.639	0.000
Species:Plant part	21	244.31	11.63	5.069	0.000
Species:Season	12	145.92	12.16	5.299	0.000
Residuals	227	520.97	2.30		

*p=<0.05

Table C33. Results of ANOVA of linear model that treats $\delta^{18}O$ as a response variable and species, plant part, insolation, height and season as effects.

Effect	**Degrees of freedom**	**Sum of squares**	**Mean square**	**F value**	**Pr(>F)***
Species	17	1087.61	63.98	18.255	0.000
Plant part	5	133.70	26.74	7.630	0.000
Insolation	2	16.76	8.38	2.391	0.094
Height	2	54.44	27.22	7.766	0.001
Season	1	499.48	499.48	142.521	0.000
Residuals	260	911.20	3.50		

*p=<0.05

Table C34. Results of post-hoc Tukey pair-wise comparison for ANOVA of linear model that treats $\delta^{18}O$ as a response variable and species, plant part, insolation and season as effects. 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.

Species				
	Difference	**Lower**	**Upper**	**P-value***
Azadirachta indica-Adina cordifolia	-0.770	-3.389	1.849	1.000
Cassia fistula-Adina cordifolia	2.033	-1.374	5.440	0.812
Cassia roxburghii-Adina cordifolia	-0.275	-2.647	2.096	1.000
Drypetes sepiaria-Adina cordifolia	1.156	-1.733	4.044	0.995
Ficus amplissima-Adina cordifolia	-2.871	-5.026	-0.716	0.001
Ficus benghalensis-Adina cordifolia	-2.569	-4.799	-0.338	0.008
Ficus religiosa-Adina cordifolia	-0.482	-4.195	3.231	1.000
Garcinia spicata-Adina cordifolia	2.047	-0.363	4.456	0.211
Glycosmis pentophylla-Adina cordifolia	-2.547	-5.954	0.860	0.432
Manilkara hexandra-Adina cordifolia	-0.307	-2.586	1.972	1.000
Mimosa pudica-Adina cordifolia	-1.123	-4.310	2.064	0.999
Schleichera oleosa-Adina cordifolia	-2.897	-4.882	-0.913	0.000
Streblus asper-Adina cordifolia	0.667	-1.743	3.076	1.000
Szygium cumini-Adina cordifolia	3.122	0.891	5.352	0.000
Tamarindus indica-Adina cordifolia	1.334	-0.791	3.459	0.743
Vitex pinnata-Adina cordifolia	-2.662	-5.444	0.120	0.079
Walsura piscida-Adina cordifolia	0.023	-2.149	2.194	1.000
Cassia fistula-Azadirachta indica	2.804	-0.755	6.362	0.335
Cassia roxburghii-Azadirachta indica	0.495	-2.089	3.079	1.000
Drypetes sepiaria-Azadirachta indica	1.926	-1.140	4.992	0.742
Ficus amplissima-Azadirachta indica	-2.100	-4.488	0.287	0.163
Ficus benghalensis-Azadirachta indica	-1.798	-4.254	0.657	0.472
Ficus religiosa-Azadirachta indica	0.289	-3.564	4.141	1.000
Garcinia spicata-Azadirachta indica	2.817	0.198	5.436	0.021
Glycosmis pentophylla-Azadirachta indica	-1.776	-5.335	1.782	0.952
Manilkara hexandra-Azadirachta indica	0.464	-2.036	2.963	1.000
Mimosa pudica-Azadirachta indica	-0.353	-3.702	2.996	1.000
Schleichera oleosa-Azadirachta indica	-2.127	-4.362	0.108	0.083
Streblus asper-Azadirachta indica	1.437	-1.182	4.056	0.896
Szygium cumini-Azadirachta indica	3.892	1.437	6.348	0.000
Tamarindus indica-Azadirachta indica	2.104	-0.256	4.464	0.147
Vitex pinnata-Azadirachta indica	-1.892	-4.857	1.074	0.719
Walsura piscida-Azadirachta indica	0.793	-1.610	3.195	1.000
Cassia roxburghii-Cassia fistula	-2.309	-5.689	1.072	0.603
Drypetes sepiaria-Cassia fistula	-0.878	-4.639	2.884	1.000
Ficus amplissima-Cassia fistula	-4.904	-8.136	-1.672	0.000
Ficus benghalensis-Cassia fistula	-4.602	-7.885	-1.319	0.000
Ficus religiosa-Cassia fistula	-2.515	-6.941	1.911	0.865
Garcinia spicata-Cassia fistula	0.013	-3.394	3.420	1.000
Glycosmis pentophylla-Cassia fistula	-4.580	-8.753	-0.407	0.016

Manilkara hexandra-Cassia fistula	-2.340	-5.656	0.976	0.543
Mimosa pudica-Cassia fistula	-3.157	-7.152	0.839	0.329
Schleichera oleosa-Cassia fistula	-4.930	-8.052	-1.809	0.000
Streblus asper-Cassia fistula	-1.367	-4.774	2.040	0.995
Szygium cumini-Cassia fistula	1.089	-2.195	4.372	0.999
Tamarindus indica-Cassia fistula	-0.699	-3.912	2.513	1.000
Vitex pinnata-Cassia fistula	-4.696	-8.376	-1.015	0.001
Walsura piscida-Cassia fistula	-2.011	-5.254	1.233	0.762
Drypetes sepiaria-Cassia roxburghii	1.431	-1.426	4.288	0.951
Ficus amplissima-Cassia roxburghii	-2.595	-4.708	-0.483	0.003
Ficus benghalensis-Cassia roxburghii	-2.293	-4.483	-0.104	0.029
Ficus religiosa-Cassia roxburghii	-0.206	-3.895	3.482	1.000
Garcinia spicata-Cassia roxburghii	2.322	-0.049	4.693	0.062
Glycosmis pentophylla-Cassia roxburghii	-2.271	-5.652	1.109	0.633
Manilkara hexandra-Cassia roxburghii	-0.031	-2.270	2.207	1.000
Mimosa pudica-Cassia roxburghii	-0.848	-4.006	2.311	1.000
Schleichera oleosa-Cassia roxburghii	-2.622	-4.560	-0.683	0.000
Streblus asper-Cassia roxburghii	0.942	-1.429	3.313	0.995
Szygium cumini-Cassia roxburghii	3.397	1.208	5.587	0.000
Tamarindus indica-Cassia roxburghii	1.609	-0.472	3.691	0.369
Vitex pinnata-Cassia roxburghii	-2.387	-5.136	0.362	0.181
Walsura piscida-Cassia roxburghii	0.298	-1.832	2.427	1.000
Ficus amplissima-Drypetes sepiaria	-4.027	-6.707	-1.346	0.000
Ficus benghalensis-Drypetes sepiaria	-3.724	-6.466	-0.983	0.000
Ficus religiosa-Drypetes sepiaria	-1.638	-5.678	2.403	0.994
Garcinia spicata-Drypetes sepiaria	0.891	-1.998	3.779	1.000
Glycosmis pentophylla-Drypetes sepiaria	-3.703	-7.464	0.059	0.059
Manilkara hexandra-Drypetes sepiaria	-1.463	-4.243	1.318	0.926
Mimosa pudica-Drypetes sepiaria	-2.279	-5.842	1.284	0.715
Schleichera oleosa-Drypetes sepiaria	-4.053	-6.598	-1.508	0.000
Streblus asper-Drypetes sepiaria	-0.489	-3.378	2.399	1.000
Szygium cumini-Drypetes sepiaria	1.966	-0.775	4.707	0.512
Tamarindus indica-Drypetes sepiaria	0.178	-2.478	2.834	1.000
Vitex pinnata-Drypetes sepiaria	-3.818	-7.024	-0.612	0.005
Walsura piscida-Drypetes sepiaria	-1.133	-3.827	1.560	0.991
Ficus benghalensis-Ficus amplissima	0.302	-1.651	2.255	1.000
Ficus religiosa-Ficus amplissima	2.389	-1.164	5.942	0.631
Garcinia spicata-Ficus amplissima	4.917	2.762	7.072	0.000
Glycosmis pentophylla-Ficus amplissima	0.324	-2.908	3.556	1.000
Manilkara hexandra-Ficus amplissima	2.564	0.556	4.572	0.001
Mimosa pudica-Ficus amplissima	1.747	-1.252	4.747	0.840
Schleichera oleosa-Ficus amplissima	-0.026	-1.693	1.640	1.000
Streblus asper-Ficus amplissima	3.537	1.382	5.692	0.000
Szygium cumini-Ficus amplissima	5.993	4.040	7.946	0.000
Tamarindus indica-Ficus amplissima	4.205	2.373	6.036	0.000
Vitex pinnata-Ficus amplissima	0.208	-2.356	2.773	1.000
Walsura piscida-Ficus amplissima	2.893	1.008	4.779	0.000

Ficus religiosa-Ficus benghalensis	2.087	-1.513	5.686	0.845
Garcinia spicata-Ficus benghalensis	4.615	2.385	6.846	0.000
Glycosmis pentophylla-Ficus benghalensis	0.022	-3.261	3.305	1.000
Manilkara hexandra-Ficus benghalensis	2.262	0.173	4.351	0.019
Mimosa pudica-Ficus benghalensis	1.445	-1.609	4.499	0.971
Schleichera oleosa-Ficus benghalensis	-0.329	-2.092	1.435	1.000
Streblus asper-Ficus benghalensis	3.235	1.005	5.466	0.000
Szygium cumini-Ficus benghalensis	5.690	3.654	7.727	0.000
Tamarindus indica-Ficus benghalensis	3.903	1.983	5.822	0.000
Vitex pinnata-Ficus benghalensis	-0.094	-2.722	2.535	1.000
Walsura piscida-Ficus benghalensis	2.591	0.620	4.563	0.001
Garcinia spicata-Ficus religiosa	2.528	-1.185	6.241	0.609
Glycosmis pentophylla-Ficus religiosa	-2.065	-6.491	2.361	0.975
Manilkara hexandra-Ficus religiosa	0.175	-3.455	3.805	1.000
Mimosa pudica-Ficus religiosa	-0.642	-4.901	3.617	1.000
Schleichera oleosa-Ficus religiosa	-2.415	-5.868	1.037	0.559
Streblus asper-Ficus religiosa	1.148	-2.565	4.861	1.000
Szygium cumini-Ficus religiosa	3.604	0.004	7.203	0.049
Tamarindus indica-Ficus religiosa	1.816	-1.719	5.351	0.939
Vitex pinnata-Ficus religiosa	-2.181	-6.145	1.784	0.894
Walsura piscida-Ficus religiosa	0.504	-3.059	4.067	1.000
Glycosmis pentophylla-Garcinia spicata	-4.593	-8.000	-1.186	0.000
Manilkara hexandra-Garcinia spicata	-2.353	-4.632	-0.074	0.035
Mimosa pudica-Garcinia spicata	-3.170	-6.357	0.017	0.053
Schleichera oleosa-Garcinia spicata	-4.944	-6.928	-2.959	0.000
Streblus asper-Garcinia spicata	-1.380	-3.789	1.029	0.858
Szygium cumini-Garcinia spicata	1.075	-1.155	3.306	0.965
Tamarindus indica-Garcinia spicata	-0.713	-2.837	1.412	0.999
Vitex pinnata-Garcinia spicata	-4.709	-7.491	-1.927	0.000
Walsura piscida-Garcinia spicata	-2.024	-4.196	0.147	0.101
Manilkara hexandra-Glycosmis pentophylla	2.240	-1.076	5.556	0.623
Mimosa pudica-Glycosmis pentophylla	1.423	-2.572	5.419	0.999
Schleichera oleosa-Glycosmis pentophylla	-0.350	-3.472	2.771	1.000
Streblus asper-Glycosmis pentophylla	3.213	-0.194	6.620	0.090
Szygium cumini-Glycosmis pentophylla	5.669	2.385	8.952	0.000
Tamarindus indica-Glycosmis pentophylla	3.881	0.668	7.093	0.004
Vitex pinnata-Glycosmis pentophylla	-0.116	-3.796	3.565	1.000
Walsura piscida-Glycosmis pentophylla	2.569	-0.674	5.813	0.325
Mimosa pudica-Manilkara hexandra	-0.817	-3.906	2.273	1.000
Schleichera oleosa-Manilkara hexandra	-2.590	-4.415	-0.766	0.000
Streblus asper-Manilkara hexandra	0.973	-1.306	3.252	0.990
Szygium cumini-Manilkara hexandra	3.429	1.340	5.518	0.000
Tamarindus indica-Manilkara hexandra	1.641	-0.335	3.616	0.245
Vitex pinnata-Manilkara hexandra	-2.356	-5.025	0.314	0.160

Walsura piscida-Manilkara hexandra	0.329	-1.697	2.355	1.000
Schleichera oleosa-Mimosa pudica	-1.774	-4.653	1.106	0.771
Streblus asper-Mimosa pudica	1.790	-1.397	4.977	0.876
Szygium cumini-Mimosa pudica	4.245	1.191	7.299	0.000
Tamarindus indica-Mimosa pudica	2.457	-0.520	5.435	0.255
Vitex pinnata-Mimosa pudica	-1.539	-5.016	1.939	0.985
Walsura piscida-Mimosa pudica	1.146	-1.866	4.157	0.997
Streblus asper-Schleichera oleosa	3.564	1.579	5.548	0.000
Szygium cumini-Schleichera oleosa	6.019	4.256	7.782	0.000
Tamarindus indica-Schleichera oleosa	4.231	2.604	5.859	0.000
Vitex pinnata-Schleichera oleosa	0.235	-2.189	2.658	1.000
Walsura piscida-Schleichera oleosa	2.920	1.231	4.608	0.000
Szygium cumini-Streblus asper	2.455	0.225	4.686	0.015
Tamarindus indica-Streblus asper	0.667	-1.457	2.792	1.000
Vitex pinnata-Streblus asper	-3.329	-6.111	-0.547	0.004
Walsura piscida-Streblus asper	-0.644	-2.816	1.527	1.000
Tamarindus indica-Szygium cumini	-1.788	-3.708	0.132	0.102
Vitex pinnata-Szygium cumini	-5.784	-8.413	-3.155	0.000
Walsura piscida-Szygium cumini	-3.099	-5.071	-1.128	0.000
Vitex pinnata-Tamarindus indica	-3.996	-6.536	-1.457	0.000
Walsura piscida-Tamarindus indica	-1.312	-3.163	0.539	0.535
Walsura piscida-Vitex pinnata	2.685	0.106	5.264	0.032
Plant Part				
	Difference	**Lower**	**Upper**	**P-value***
Fruit-Flowers	1.599	0.306	2.892	0.006
Leaf shoots-Flowers	0.044	-1.566	1.653	1.000
Leaves-Flowers	0.688	-0.424	1.801	0.483
Unripe fruit-Flowers	1.964	-0.916	4.844	0.369
Young leaves-Flowers	1.820	0.184	3.455	0.019
Leaf shoots-Fruit	-1.555	-3.012	-0.098	0.029
Leaves-Fruit	-0.910	-1.788	-0.033	0.037
Unripe fruit-Fruit	0.365	-2.432	3.163	0.999
Young leaves-Fruit	0.221	-1.265	1.707	0.998
Leaves-Leaf shoots	0.645	-0.655	1.944	0.712
Unripe fruit-Leaf shoots	1.921	-1.036	4.877	0.426
Young leaves-Leaf shoots	1.776	0.008	3.544	0.048
Unripe fruit-Leaves	1.276	-1.443	3.994	0.758
Young leaves-Leaves	1.131	-0.200	2.463	0.147
Young leaves-Unripe fruit	-0.144	-3.116	2.827	1.000
Insolation				
	Difference	**Lower**	**Upper**	**P-value***
Low-High	-0.579	-1.241	0.083	0.100
Medium-High	-0.280	-0.925	0.365	0.562
Medium-Low	0.298	-0.318	0.914	0.489
Height				
	Difference	**Lower**	**Upper**	**P-value***
Middle-Low	-0.430	-1.019	0.159	0.199
Upper-Low	-0.268	-0.958	0.423	0.632

Upper-Middle	0.162	-0.536	0.861	0.848
Season				
	Difference	**Lower**	**Upper**	**P-value***
Wet-Dry	-2.262	-2.708	-1.817	0.000

*p=<0.05

Table C35. Results of ANOVA of linear model that treats $\delta^{15}N$ as a response variable and species, plant part, insolation, height, and season (as well as interaction effects between these categories) as effects.

Effect	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F) *
Species	17	577.23	33.955	16.836	0.000
Plant part	5	23.62	4.725	2.343	0.044
Insolation	2	5.07	2.537	1.258	0.287
Height	2	0.04	0.022	0.011	0.989
Season	1	7.65	7.654	3.795	0.053
Species:Plant part	21	89.85	4.279	2.122	0.005
Species:Insolation	27	50.00	1.852	0.918	0.586
Plant part:Insolation	9	19.35	2.150	1.066	0.391
Species:Height	11	5.96	0.542	0.269	0.991
Plant part:Height	5	1.67	0.335	0.166	0.975
Insolation:Height	1	0.06	0.056	0.028	0.867
Species:Season	10	118.67	11.867	5.884	0.000
Plant part:Season	1	3.71	3.706	1.837	0.177
Insolation:Season	2	4.70	2.350	1.165	0.315
Species:Plant part:Insolation	9	10.66	1.185	0.588	0.806
Species:Plant part:Height	1	0.03	0.028	0.014	0.907
Species:Plant part:Season	1	4.57	4.571	2.266	0.134
Species:Insolation:Season	13	30.14	2.319	1.150	0.323
Plant part:Insolation:Season	2	1.16	0.581	0.288	0.750
Residuals	147	296.47	2.017		

*p=<0.05

Table C36. Results of ANOVA of linear model that treats $\delta^{15}N$ as a response variable and includes only the effects found to be significant in Catalogue Table C35 as effects.

Effect	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F) *
Species	17	577.23	33.955	17.663	0.000
Plant part	5	23.62	4.725	2.458	0.034
Season	1	6.02	6.021	3.132	0.078
Species:Plant part	21	90.83	4.325	2.250	0.002
Species:Season	12	108.85	9.071	4.719	0.000
Residuals	231	444.07	1.922		

*p=<0.05

Table C37. Results of ANOVA of linear model that treats $\delta^{15}N$ as a response variable and species and plant part as effects.

Effect	**Degrees of freedom**	**Sum of squares**	**Mean square**	**F value**	**Pr(>F)***
Species	17	577.23	33.955	13.848	0.000
Plant part	5	23.62	4.725	1.927	0.090
Residuals	265	649.78	2.452		

*p=<0.05

Table C38. Results of post-hoc Tukey pair-wise comparison for ANOVA of linear model that treats $\delta^{15}N$ as a response variable and species as an effect. 95% confidence interval of difference is indicated alongside 95% probability of lower and upper bounds of this difference.

Species				
	Difference	**Lower**	**Upper**	**P-value***
Azadirachta indica-Adina cordifolia	-0.752	-2.942	1.438	0.999
Cassia fistula-Adina cordifolia	-0.307	-3.156	2.543	1.000
Cassia roxburghii-Adina cordifolia	-0.157	-2.140	1.826	1.000
Drypetes sepiaria-Adina cordifolia	-0.057	-2.472	2.359	1.000
Ficus amplissima-Adina cordifolia	-1.299	-3.101	0.503	0.503
Ficus benghalensis-Adina cordifolia	0.722	-1.143	2.587	0.997
Ficus religiosa-Adina cordifolia	0.518	-2.587	3.623	1.000
Garcinia spicata-Adina cordifolia	-0.413	-2.428	1.601	1.000
Glycosmis penthophylla-Adina cordifolia	-0.287	-3.136	2.563	1.000
Manilkara hexandra-Adina cordifolia	-0.044	-1.949	1.862	1.000
Mimosa pudica-Adina cordifolia	-7.090	-9.755	-4.425	0.000
Schleichera oleosa-Adina cordifolia	-0.254	-1.914	1.405	1.000
Streblus asper-Adina cordifolia	1.020	-0.995	3.035	0.946
Szygium cumini-Adina cordifolia	1.060	-0.805	2.925	0.866
Tamarindus indica-Adina cordifolia	1.308	-0.469	3.085	0.462
Vitex pinnata-Adina cordifolia	-0.784	-3.111	1.542	0.999
Walsura piscida-Adina cordifolia	2.243	0.427	4.059	0.003
Cassia fistula-Azadirachta indica	0.445	-2.531	3.422	1.000
Cassia roxburghii-Azadirachta indica	0.595	-1.566	2.757	1.000
Drypetes sepiaria-Azadirachta indica	0.695	-1.868	3.259	1.000
Ficus amplissima-Azadirachta indica	-0.547	-2.543	1.450	1.000
Ficus benghalensis-Azadirachta indica	1.474	-0.580	3.528	0.510
Ficus religiosa-Azadirachta indica	1.270	-1.951	4.492	0.996
Garcinia spicata-Azadirachta indica	0.339	-1.852	2.529	1.000
Glycosmis penthophylla-Azadirachta indica	0.465	-2.511	3.442	1.000
Manilkara hexandra-Azadirachta indica	0.709	-1.382	2.799	0.999
Mimosa pudica-Azadirachta indica	-6.338	-9.138	-3.538	0.000
Schleichera oleosa-Azadirachta indica	0.498	-1.371	2.367	1.000
Streblus asper-Azadirachta indica	1.772	-0.418	3.962	0.288
Szygium cumini-Azadirachta indica	1.812	-0.242	3.866	0.160
Tamarindus indica-Azadirachta indica	2.060	0.087	4.034	0.030
Vitex pinnata-Azadirachta indica	-0.032	-2.512	2.448	1.000
Walsura piscida-Azadirachta indica	2.995	0.986	5.005	0.000
Cassia roxburghii-Cassia fistula	0.150	-2.677	2.977	1.000
Drypetes sepiaria-Cassia fistula	0.250	-2.896	3.396	1.000
Ficus amplissima-Cassia fistula	-0.992	-3.695	1.711	0.998
Ficus benghalensis-Cassia fistula	1.029	-1.717	3.774	0.998
Ficus religiosa-Cassia fistula	0.825	-2.876	4.526	1.000
Garcinia spicata-Cassia fistula	-0.107	-2.956	2.743	1.000
Glycosmis penthophylla-Cassia fistula	0.020	-3.470	3.510	1.000

Manilkara hexandra-Cassia fistula	0.263	-2.510	3.037	1.000
Mimosa pudica-Cassia fistula	-6.783	-10.124	-3.442	0.000
Schleichera oleosa-Cassia fistula	0.052	-2.558	2.663	1.000
Streblus asper-Cassia fistula	1.327	-1.523	4.176	0.975
Szygium cumini-Cassia fistula	1.367	-1.379	4.112	0.954
Tamarindus indica-Cassia fistula	1.615	-1.072	4.301	0.803
Vitex pinnata-Cassia fistula	-0.478	-3.555	2.600	1.000
Walsura piscida-Cassia fistula	2.550	-0.163	5.263	0.093
Drypetes sepiaria-Cassia roxburghii	0.100	-2.289	2.489	1.000
Ficus amplissima-Cassia roxburghii	-1.142	-2.909	0.625	0.698
Ficus benghalensis-Cassia roxburghii	0.879	-0.952	2.710	0.967
Ficus religiosa-Cassia roxburghii	0.675	-2.410	3.760	1.000
Garcinia spicata-Cassia roxburghii	-0.257	-2.240	1.726	1.000
Glycosmis penthophylla-Cassia roxburghii	-0.130	-2.957	2.697	1.000
Manilkara hexandra-Cassia roxburghii	0.113	-1.759	1.985	1.000
Mimosa pudica-Cassia roxburghii	-6.933	-9.575	-4.292	0.000
Schleichera oleosa-Cassia roxburghii	-0.098	-1.719	1.523	1.000
Streblus asper-Cassia roxburghii	1.177	-0.806	3.160	0.819
Szygium cumini-Cassia roxburghii	1.217	-0.614	3.048	0.652
Tamarindus indica-Cassia roxburghii	1.465	-0.276	3.206	0.225
Vitex pinnata-Cassia roxburghii	-0.628	-2.927	1.671	1.000
Walsura piscida-Cassia roxburghii	2.400	0.619	4.181	0.000
Ficus amplissima-Drypetes sepiaria	-1.242	-3.483	0.999	0.888
Ficus benghalensis-Drypetes sepiaria	0.779	-1.514	3.071	0.999
Ficus religiosa-Drypetes sepiaria	0.575	-2.804	3.954	1.000
Garcinia spicata-Drypetes sepiaria	-0.357	-2.772	2.059	1.000
Glycosmis penthophylla-Drypetes sepiaria	-0.230	-3.376	2.916	1.000
Manilkara hexandra-Drypetes sepiaria	0.013	-2.312	2.339	1.000
Mimosa pudica-Drypetes sepiaria	-7.033	-10.013	-4.053	0.000
Schleichera oleosa-Drypetes sepiaria	-0.198	-2.326	1.931	1.000
Streblus asper-Drypetes sepiaria	1.077	-1.339	3.492	0.984
Szygium cumini-Drypetes sepiaria	1.117	-1.176	3.409	0.962
Tamarindus indica-Drypetes sepiaria	1.365	-0.856	3.586	0.774
Vitex pinnata-Drypetes sepiaria	-0.728	-3.409	1.953	1.000
Walsura piscida-Drypetes sepiaria	2.300	0.047	4.553	0.040
Ficus benghalensis-Ficus amplissima	2.021	0.387	3.654	0.002
Ficus religiosa-Ficus amplissima	1.817	-1.154	4.788	0.781
Garcinia spicata-Ficus amplissima	0.885	-0.917	2.687	0.959
Glycosmis penthophylla-Ficus amplissima	1.012	-1.691	3.715	0.998
Manilkara hexandra-Ficus amplissima	1.255	-0.424	2.935	0.433
Mimosa pudica-Ficus amplissima	-5.791	-8.300	-3.283	0.000
Schleichera oleosa-Ficus amplissima	1.044	-0.349	2.438	0.428
Streblus asper-Ficus amplissima	2.319	0.517	4.121	0.001
Szygium cumini-Ficus amplissima	2.359	0.725	3.992	0.000
Tamarindus indica-Ficus amplissima	2.607	1.075	4.138	0.000

Vitex pinnata-Ficus amplissima	0.514	-1.631	2.659	1.000
Walsura piscida-Ficus amplissima	3.542	1.965	5.119	0.000
Ficus religiosa-Ficus benghalensis	-0.204	-3.214	2.807	1.000
Garcinia spicata-Ficus benghalensis	-1.135	-3.001	0.730	0.787
Glycosmis penthophylla-Ficus benghalensis	-1.009	-3.754	1.737	0.998
Manilkara hexandra-Ficus benghalensis	-0.765	-2.512	0.982	0.987
Mimosa pudica-Ficus benghalensis	-7.812	-10.366	-5.258	0.000
Schleichera oleosa-Ficus benghalensis	-0.976	-2.451	0.498	0.659
Streblus asper-Ficus benghalensis	0.298	-1.567	2.163	1.000
Szygium cumini-Ficus benghalensis	0.338	-1.365	2.041	1.000
Tamarindus indica-Ficus benghalensis	0.586	-1.019	2.192	0.998
Vitex pinnata-Ficus benghalensis	-1.506	-3.705	0.692	0.598
Walsura piscida-Ficus benghalensis	1.521	-0.127	3.170	0.110
Garcinia spicata-Ficus religiosa	-0.932	-4.037	2.173	1.000
Glycosmis penthophylla-Ficus religiosa	-0.805	-4.506	2.896	1.000
Manilkara hexandra-Ficus religiosa	-0.562	-3.597	2.474	1.000
Mimosa pudica-Ficus religiosa	-7.608	-11.170	-4.047	0.000
Schleichera oleosa-Ficus religiosa	-0.773	-3.660	2.115	1.000
Streblus asper-Ficus religiosa	0.502	-2.603	3.607	1.000
Szygium cumini-Ficus religiosa	0.542	-2.469	3.552	1.000
Tamarindus indica-Ficus religiosa	0.790	-2.166	3.746	1.000
Vitex pinnata-Ficus religiosa	-1.303	-4.619	2.013	0.996
Walsura piscida-Ficus religiosa	1.725	-1.255	4.705	0.847
Glycosmis penthophylla-Garcinia spicata	0.127	-2.723	2.976	1.000
Manilkara hexandra-Garcinia spicata	0.370	-1.536	2.276	1.000
Mimosa pudica-Garcinia spicata	-6.677	-9.342	-4.011	0.000
Schleichera oleosa-Garcinia spicata	0.159	-1.501	1.819	1.000
Streblus asper-Garcinia spicata	1.433	-0.581	3.448	0.527
Szygium cumini-Garcinia spicata	1.473	-0.392	3.339	0.330
Tamarindus indica-Garcinia spicata	1.721	-0.055	3.498	0.070
Vitex pinnata-Garcinia spicata	-0.371	-2.698	1.955	1.000
Walsura piscida-Garcinia spicata	2.657	0.841	4.473	0.000
Manilkara hexandra-Glycosmis penthophylla	0.243	-2.530	3.017	1.000
Mimosa pudica-Glycosmis penthophylla	-6.803	-10.144	-3.462	0.000
Schleichera oleosa-Glycosmis penthophylla	0.032	-2.578	2.643	1.000
Streblus asper-Glycosmis penthophylla	1.307	-1.543	4.156	0.979
Szygium cumini-Glycosmis penthophylla	1.347	-1.399	4.092	0.959
Tamarindus indica-Glycosmis penthophylla	1.595	-1.092	4.281	0.819
Vitex pinnata-Glycosmis penthophylla	-0.498	-3.575	2.580	1.000
Walsura piscida-Glycosmis penthophylla	2.530	-0.183	5.243	0.100
Mimosa pudica-Manilkara hexandra	-7.046	-9.630	-4.463	0.000
Schleichera oleosa-Manilkara hexandra	-0.211	-1.736	1.315	1.000
Streblus asper-Manilkara hexandra	1.064	-0.842	2.969	0.882

Szygium cumini-Manilkara hexandra	1.104	-0.644	2.851	0.735
Tamarindus indica-Manilkara hexandra	1.352	-0.301	3.004	0.270
Vitex pinnata-Manilkara hexandra	-0.741	-2.974	1.492	0.999
Walsura piscida-Manilkara hexandra	2.287	0.592	3.981	0.000
Schleichera oleosa-Mimosa pudica	6.836	4.428	9.244	0.000
Streblus asper-Mimosa pudica	8.110	5.445	10.775	0.000
Szygium cumini-Mimosa pudica	8.150	5.596	10.704	0.000
Tamarindus indica-Mimosa pudica	8.398	5.908	10.889	0.000
Vitex pinnata-Mimosa pudica	6.306	3.397	9.214	0.000
Walsura piscida-Mimosa pudica	9.333	6.815	11.852	0.000
Streblus asper-Schleichera oleosa	1.274	-0.385	2.934	0.382
Szygium cumini-Schleichera oleosa	1.314	-0.160	2.789	0.148
Tamarindus indica-Schleichera oleosa	1.562	0.201	2.924	0.008
Vitex pinnata-Schleichera oleosa	-0.530	-2.557	1.497	1.000
Walsura piscida-Schleichera oleosa	2.498	1.086	3.910	0.000
Szygium cumini-Streblus asper	0.040	-1.825	1.905	1.000
Tamarindus indica-Streblus asper	0.288	-1.489	2.065	1.000
Vitex pinnata-Streblus asper	-1.804	-4.131	0.522	0.363
Walsura piscida-Streblus asper	1.223	-0.593	3.039	0.628
Tamarindus indica-Szygium cumini	0.248	-1.357	1.854	1.000
Vitex pinnata-Szygium cumini	-1.844	-4.043	0.354	0.230
Walsura piscida-Szygium cumini	1.183	-0.465	2.832	0.511
Vitex pinnata-Tamarindus indica	-2.093	-4.216	0.031	0.059
Walsura piscida-Tamarindus indica	0.935	-0.613	2.483	0.797
Walsura piscida-Vitex pinnata	3.028	0.871	5.184	0.000

*p=<0.05

Table C39. Results of ANOVA for $\delta^{13}C$ by modelled monkey diets (for Trachypithecus vetulus, Semnopithecus priam thersites*, and* Macaca sinica*) for the dry season when species and plant parts of importance '1' are included (see Catalogue Table A8).*

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Monkey	2	2.053	1.026	0.260	0.776
Residuals	10	39.420	3.942		

*p=<0.05

Table C40. Results of ANOVA for $\delta^{18}O$ by modelled monkey diets (for Trachypithecus vetulus, Semnopithecus priam thersites*, and* Macaca sinica*) for the dry season when species and plant parts of importance '1' are included (see Catalogue Table A8).*

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Monkey	2	8.056	4.028	0.418	0.669
Residuals	10	96.355	9.636		

*p=<0.05

Table C41. Results of ANOVA for $\delta^{13}C$ by modelled monkey diets (for Trachypithecus vetulus, Semnopithecus priam thersites*, and* Macaca sinica*) for the wet season when species and plant parts of importance '1' are included (see Catalogue Table A9).*

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Monkey	2	4.633	2.317	2.700	0.181
Residuals	4	3.433	0.858		

*p=<0.05

Table C42. Results of ANOVA for $\delta^{18}O$ by modelled monkey diets (for Trachypithecus vetulus, Semnopithecus priam thersites*, and* Macaca sinica*) for the wet season when species and plant parts of importance '1' are included (see Catalogue Table A9).*

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Monkey	2	4.499	2.249	0.545	0.617
Residuals	4	16.496	4.124		

*p=<0.05

Table C43. Results of ANOVA for $\delta^{13}C$ by modelled monkey diets (for Trachypithecus vetulus, Semnopithecus priam thersites*, and* Macaca sinica*) for the dry season when species and plant parts of importance '1' and '2' are included (see Catalogue Table A8).*

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Monkey	2	30.109	15.055	2.088	0.137
Residuals	41	295.588	7.210		

*p=<0.05

Table C44. Results of ANOVA for $\delta^{18}O$ by modelled monkey diets (for Trachypithecus vetulus, Semnopithecus priam thersites*, and* Macaca sinica*) for the dry season when species and plant parts of importance '1' and '2' are included (see Catalogue Table A8).*

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Monkey	2	6.60	3.300	0.394	0.677
Residuals	41	343.72	8.383		

*p=<0.05

Table C45. Results of ANOVA for $\delta^{13}C$ by modelled monkey diets (for Trachypithecus vetulus, Semnopithecus priam thersites*, and* Macaca sinica*) for the wet season when species and plant parts of importance '1' and '2' are included (see Catalogue Table A9).*

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Monkey	2	41.476	20.738	0.982	0.399
Residuals	14	295.793	21.128		

*p=<0.05

Table C46. Results of ANOVA for $\delta^{18}O$ by modelled monkey diets (for Trachypithecus vetulus, Semnopithecus priam thersites*, and* Macaca sinica*) for the wet season when species and plant parts of importance '1' and '2' are included (see Catalogue Table A9).*

	Degrees of freedom	Sum of squares	Mean square	F value	Pr(>F)*
Monkey	2	0.576	0.288	0.110	0.896
Residuals	14	36.491	2.607		

*p=<0.05

Table C47. $\delta^{13}C$ and $\delta^{18}O$ from modern monkey and cervid samples from the Polonnaruwa Reserve collected by Wolfgang Dittus during the 1980s.

Sample	Year collected	Taxa	Element	Extra	$\delta^{13}C$ (‰) (VPDB)	S.D.	$\delta^{18}O$ (‰) (VPDB)	S.D.
MOP 1	1980s	*Macaca sinica*	Lower third molar (right)	Adult female	-14.7	0.1	-3.6	0.1
MOP 2	1980s	*Macaca sinica*	Lower third molar (left)	Juvenile	-17.2	0.1	-4.0	0.1
MOP 3	1980s	*Trachypithecus vetulus*	Lower third molar (left)	Adult	-17.3	0.1	-1.7	0.1
MOP 4	1980s	*Semnopithecus priam thersites*	Lower third molar (right)	Adult	-15.7	0.1	-1.5	0.1
MOP 5	1980s	*Semnopithecus priam thersites*	Lower third molar (right)	Adult	-16.2	0.1	-3.1	0.1
MOP 6	1980s	*Trachypithecus vetulus*	Lower third molar (right)	Adult	-16.2	0.1	-0.5	0.1
MOP 7	1980s	*Trachypithecus vetulus*	Lower third molar (left)	Juvenile	-17.4	0.1	-2.3	0.1
MOP 8	1980s	*Trachypithecus vetulus*	Lower third molar (right)	Adult	-11.9	0.1	-3.6	0.1
COP1	1980s	*Cervus* sp.	Lower third molar (left)	Adult	-9.4	0.1	-0.1	0.1
COP2	1980s	*Cervus* sp.	Lower second molar (right)	Adult	-12.4	0.1	-3.5	0.1