

Appendix III(h). Table 6A. Genetic distance matrix for D-Loop fragment sequence data for *Lepilemur species*. The numbers represent the following *Lepilemur species*: [1] *Lepilemur ankaranaensis*; [2] *Lepilemur milanoii*; [3] *Lepilemur tymerlachsoni*; [4] *Lepilemur septentrionalis*; [5] *Lepilemur dorsalis*; [6] *Lepilemur sahamalazensis*; [7] *Lepilemur petteri*; [8] *Lepilemur leucopus*; [9] *Lepilemur ruficaudatus*; [10] *Lepilemur hubbardorum*; [11] *Lepilemur randrianasoli*; [12] *Lepilemur edwardsi* [13] *Lepilemur grewcockorum*; [14] *Lepilemur ahmansonorum*; [15] *Lepilemur aeeclis*; [16] *Lepilemur mustelinus*; [17] *Lepilemur jamesorum*; [18] *Lepilemur betsileo*; [19] *Lepilemur fleuretae*; [20] *Lepilemur microdon*; [21] *Lepilemur wrightae*; [22] *Lepilemur seali*; [23] *Lepilemur species nova #1*; and [24] *Lepilemur species nova #2*. Genetic distance based on absolute differences is displayed above the diagonal, and genetic distance based as a percentage is displayed below the diagonal.

	1	2	3	4	5	6	7	8	9	10	11	12
1		20	25	49	45	41	64	63	70	62	65	65
2	2.7±0.7		18	42	39	39	63	61	70	63	67	64
3	4.5±0.9	2.9±0.8		41	32	29	58	58	64	60	62	63
4	7.7±1.2	6.6±1.1	6.7±1.1		48	46	56	61	60	59	57	69
5	6.9±1.1	5.6±1.0	4.9±1.0	6.8±1.1		28	57	61	66	66	67	61
6	6.4±1.1	5.9±1.1	4.6±0.9	7.2±1.2	4.2±0.9		55	58	63	68	67	56
7	11.3±1.5	11.4±1.5	11.0±1.5	10.6±1.5	10.8±1.5	10.6±1.5		22	55	60	45	55
8	10.2±1.5	10.3±1.5	10.2±1.5	10.9±1.5	11.1±1.6	10.7±1.5	3.4±0.8		60	57	43	58
9	11.9±1.5	12.5±1.6	11.9±1.5	11.3±1.5	12.3±1.5	11.4±1.6	9.9±1.4	9.5±1.4		41	46	70
10	10.2±1.5	10.7±1.5	10.8±1.5	10.4±1.4	10.7±1.5	12.6±1.6	9.7±1.4	8.4±1.3	6.6±1.1		39	73
11	10.4±1.5	11.3±1.6	10.9±1.5	10.1±1.6	12.4±1.6	7.0±1.1	7.4±1.2	5.5±1.1	8.9±1.4	6.5±1.1		65
12	8.2±1.3	8.5±1.3	8.9±1.4	10.6±1.4	8.4±1.3	7.4±1.2	8.2±1.3	8.1±1.3	10.6±1.5	10.1±1.5	9.6±1.5	
13	9.6±1.4	8.8±1.4	8.8±1.4	10.8±1.5	7.8±1.3	5.8±1.0	9.7±1.4	9.7±1.4	11.2±1.4	10.2±1.5	10.4±1.5	5.4±1.0
14	6.5±1.1	6.6±1.1	6.2±1.1	8.8±1.4	6.0±1.0	10.4±1.4	11.4±1.6	10.1±1.5	12.5±1.6	10.6±1.5	9.9±1.5	6.9±1.2
15	10.9±1.5	11.1±1.5	11.0±1.5	11.4±1.4	11.4±1.5	15.3±1.8	8.8±1.3	8.6±1.3	8.6±1.3	7.9±1.2	7.2±1.2	8.5±1.3
16	16.5±1.8	15.5±1.7	16.0±1.8	15.2±1.8	16.7±1.8	15.4±1.9	15.0±1.7	15.4±1.7	13.3±1.5	14.4±1.6	15.4±1.7	14.9±1.7
17	15.8±1.8	15.3±1.8	15.6±1.8	14.5±1.8	16.6±1.9	13.2±1.7	16.7±1.9	17.5±2.0	14.1±1.7	14.9±1.7	15.9±1.9	14.6±1.7
18	14.1±1.7	13.5±1.7	13.9±1.7	14.7±1.8	14.8±1.7	14.9±1.8	15.8±1.8	16.0±1.9	14.5±1.7	13.8±1.7	15.4±1.9	13.0±1.6
19	15.1±1.8	14.8±1.7	15.9±1.9	14.6±1.9	16.3±1.9	10.7±1.5	16.2±1.9	16.7±1.9	15.3±1.8	15.9±1.8	15.6±1.8	14.2±1.8
20	11.2±1.5	10.9±1.5	11.6±1.6	12.4±1.6	12.1±1.6	14.5±1.8	10.9±1.4	10.1±1.4	11.6±1.5	12.3±1.6	10.8±1.5	7.7±1.2
21	16.0±1.9	15.0±1.8	14.1±1.7	15.9±1.9	14.5±1.7	15.4±1.9	15.6±1.8	15.9±1.9	16.4±1.9	15.4±1.8	15.3±1.8	13.8±1.7
22	14.5±1.7	14.0±1.7	15.4±1.8	15.2±1.8	16.3±1.9	14.6±1.8	16.5±1.9	17.5±2.0	14.5±1.8	15.0±1.7	15.6±1.9	14.4±1.8
23	14.9±1.8	15.5±1.9	14.6±1.8	14.9±1.8	16.9±1.9	14.6±1.8	17.0±2.0	16.8±2.0	14.6±1.8	16.5±1.9	15.6±1.9	15.1±1.9
24	14.4±1.7	14.1±1.7	15.4±1.8	15.4±1.8	16.3±1.8	14.6±1.8	18.2±2.0	18.6±2.0	17.6±2.0	16.8±1.9	16.6±2.0	14.3±1.7

Table 6A. (cont.)

	13	14	15	16	17	18	19	20	21	22	23	24
1	69	46	74	101	88	83	86	65	98	89	92	89
2	63	43	73	97	85	79	85	62	92	86	94	87
3	61	39	70	96	85	79	86	62	86	89	86	89
4	63	55	72	94	79	80	78	70	90	83	84	85
5	56	38	72	104	92	87	91	66	90	97	98	97
6	52	33	69	99	88	80	86	57	90	91	89	88
7	60	62	63	94	88	86	86	58	93	92	94	98
8	63	60	66	102	98	94	94	64	100	102	101	107
9	64	73	54	91	81	83	88	63	99	87	93	100
10	65	66	59	98	88	83	95	74	106	92	103	104
11	60	58	50	100	91	89	89	59	98	96	96	100
12	41	57	69	107	96	90	94	51	99	98	101	98
13		54	64	103	95	87	86	45	87	85	96	94
14	8.4±1.4		68	100	84	83	78	62	84	89	95	87
15	9.5±1.4	9.7±1.4		108	105	95	105	67	102	97	104	106
16	16.1±1.7	16.7±1.8	14.9±1.6		42	42	26	95	72	67	76	71
17	16.6±1.9	15.6±1.8	16.9±1.9	6.4±1.0		37	44	89	58	61	57	57
18	14.4±1.7	14.6±1.7	14.3±1.7	5.9±1.0	6.2±1.1		50	79	66	59	59	57
19	14.9±1.8	14.1±1.7	17.1±1.9	8.8±1.2	8.3±1.3	9.3±1.4		91	71	57	63	64
20	7.4±1.2	10.9±1.5	10.6±1.4	14.7±1.7	15.9±1.8	13.3±1.6	15.6±1.8		93	84	94	95
21	13.3±1.6	14.2±1.6	15.2±1.7	10.6±1.4	9.3±1.4	10.3±1.5	11.6±1.6	15.1±1.8		63	62	72
22	13.9±1.7	15.4±1.8	14.5±1.8	9.1±1.3	10.1±1.4	9.3±1.3	9.4±1.4	14.0±1.7	10.8±1.5		39	36
23	16.4±1.9	17.3±1.9	16.1±1.9	10.9±1.4	9.3±1.3	10.0±1.4	11.3±1.6	15.9±1.8	11.1±1.5	7.4±1.2		37
24	16.1±1.9	15.3±1.7	16.8±1.9	10.8±1.4	9.7±1.4	9.8±1.3	11.1±1.5	17.0±1.8	12.8±1.6	6.3±1.1	7.0±1.2	