

Appendix III(j). Table 6C. Genetic distance matrix for PAST fragment sequence data for *Lepilemur* species. The numbers represent the following *Lepilemur* species: [1] *Lepilemur ankaranensis*; [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 ahmansorum*; [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 | | 33 | 55 | 197 | 106 | 128 | 282 | 287 | 277 | 271 | 271 | 223 |
| 2 | 1.2±0.2 | | 54 | 196 | 98 | 114 | 272 | 275 | 276 | 272 | 275 | 218 |
| 3 | 2.3±0.3 | 2.4±0.3 | | 202 | 108 | 126 | 281 | 284 | 279 | 272 | 269 | 225 |
| 4 | 8.9±0.6 | 9.0±0.6 | 9.4±0.6 | | 198 | 196 | 310 | 313 | 266 | 257 | 255 | 220 |
| 5 | 4.6±0.4 | 4.3±0.4 | 4.8±0.5 | 9.2±0.6 | | 108 | 275 | 275 | 266 | 264 | 264 | 207 |
| 6 | 4.8±0.5 | 4.6±0.4 | 5.0±0.5 | 9.0±0.6 | 4.7±0.5 | | 280 | 285 | 269 | 273 | 264 | 277 |
| 7 | 13.3±0.8 | 13.0±0.8 | 13.6±0.8 | 15.0±0.8 | 13.1±0.8 | 13.1±0.9 | | 46 | 263 | 257 | 262 | 269 |
| 8 | 13.1±0.8 | 12.7±0.8 | 13.2±0.8 | 14.8±0.8 | 12.7±0.8 | 12.9±0.8 | 1.8±0.3 | | 269 | 257 | 269 | 276 |
| 9 | 13.0±0.9 | 13.1±0.9 | 13.3±0.8 | 12.7±0.8 | 12.6±0.8 | 12.7±0.8 | 12.5±0.8 | 12.4±0.8 | | 85 | 142 | 268 |
| 10 | 12.8±0.8 | 13.0±0.9 | 13.1±0.8 | 12.3±0.7 | 12.6±0.8 | 12.6±0.8 | 12.2±0.8 | 11.9±0.8 | 3.8±0.4 | | 151 | 257 |
| 11 | 12.8±0.8 | 13.2±0.8 | 12.9±0.8 | 12.1±0.7 | 12.6±0.8 | 12.5±0.8 | 12.5±0.8 | 12.5±0.9 | 6.4±0.5 | 6.9±0.6 | | 254 |
| 12 | 10.2±0.7 | 10.0±0.7 | 10.5±0.7 | 10.3±0.7 | 9.6±0.7 | 9.6±0.7 | 12.7±0.8 | 12.7±0.8 | 12.7±0.8 | 12.2±0.7 | 12.0±0.7 | |
| 13 | 10.7±0.6 | 10.8±0.7 | 11.2±0.7 | 10.6±0.7 | 10.8±0.7 | 11.0±0.7 | 13.6±0.8 | 13.7±0.8 | 13.3±0.8 | 12.7±0.7 | 12.7±0.8 | 2.9±0.3 |
| 14 | 4.9±0.4 | 4.8±0.4 | 5.2±0.4 | 9.6±0.6 | 4.7±0.5 | 2.8±0.3 | 13.6±0.9 | 13.2±0.9 | 13.3±0.8 | 13.2±0.8 | 13.3±0.8 | 10.3±0.7 |
| 15 | 12.9±0.9 | 13.2±0.8 | 13.5±0.8 | 13.5±0.8 | 12.5±0.8 | 12.9±0.8 | 12.0±0.7 | 11.9±0.7 | 6.4±0.6 | 6.9±0.5 | 5.5±0.5 | 12.5±0.7 |
| 16 | 18.2±1.0 | 18.0±1.0 | 18.2±1.0 | 19.1±1.0 | 17.7±1.0 | 18.0±1.0 | 20.4±1.2 | 19.6±1.1 | 19.8±1.1 | 19.9±1.1 | 19.6±1.1 | 17.6±0.9 |
| 17 | 18.3±1.1 | 18.2±1.0 | 18.2±1.0 | 18.6±1.0 | 17.6±1.0 | 17.7±1.0 | 20.1±1.1 | 19.4±1.1 | 20.1±1.1 | 20.4±1.1 | 19.7±1.1 | 17.5±0.9 |
| 18 | 18.1±1.0 | 17.9±1.0 | 17.9±1.0 | 18.7±1.0 | 17.3±1.0 | 17.7±0.9 | 20.4±1.2 | 19.6±1.2 | 20.0±1.1 | 20.1±1.1 | 19.7±1.1 | 17.2±1.0 |
| 19 | 18.8±1.0 | 18.7±1.0 | 18.7±1.0 | 19.7±1.0 | 18.2±1.0 | 18.7±1.0 | 20.8±1.2 | 20.0±1.2 | 20.6±1.1 | 20.7±1.1 | 19.9±1.0 | 18.6±1.0 |
| 20 | 10.3±0.6 | 10.4±0.7 | 10.6±0.7 | 10.7±0.7 | 10.3±0.7 | 10.7±0.7 | 13.7±0.8 | 13.7±0.8 | 12.7±0.8 | 12.4±0.7 | 12.7±0.8 | 7.8±0.6 |
| 21 | 17.4±0.9 | 17.5±0.9 | 17.5±0.9 | 17.6±0.9 | 17.4±0.9 | 17.9±0.9 | 19.6±1.1 | 19.4±1.1 | 18.6±1.0 | 18.6±1.0 | 18.5±1.0 | 17.3±0.9 |
| 22 | 18.7±1.1 | 18.6±1.1 | 18.9±1.0 | 18.6±1.0 | 18.8±1.1 | 18.7±1.0 | 20.3±1.1 | 20.0±1.1 | 19.7±1.1 | 19.9±1.1 | 20.0±1.2 | 17.6±1.0 |
| 23 | 18.3±1.1 | 18.1±1.1 | 18.0±1.0 | 18.9±1.1 | 18.2±1.1 | 18.0±1.0 | 20.0±1.2 | 19.7±1.2 | 18.8±1.1 | 19.2±1.1 | 19.3±1.1 | 17.4±1.1 |
| 24 | 17.9±1.0 | 17.8±1.0 | 17.5±1.0 | 18.4±1.0 | 18.1±1.0 | 18.1±0.9 | 19.5±1.0 | 19.1±1.0 | 18.9±1.0 | 18.7±1.0 | 19.2±1.1 | 17.1±1.0 |

Table 6C. (cont.)

| | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
|----|----------|----------|----------|----------|----------|----------|----------|----------|----------|---------|---------|-----|
| 1 | 231 | 113 | 278 | 389 | 375 | 364 | 395 | 220 | 359 | 382 | 387 | 379 |
| 2 | 232 | 108 | 283 | 384 | 372 | 360 | 387 | 216 | 358 | 378 | 377 | 364 |
| 3 | 237 | 114 | 286 | 385 | 370 | 358 | 388 | 218 | 355 | 381 | 376 | 356 |
| 4 | 226 | 207 | 286 | 401 | 378 | 373 | 394 | 223 | 359 | 378 | 382 | 372 |
| 5 | 230 | 103 | 267 | 376 | 360 | 348 | 370 | 213 | 354 | 380 | 371 | 366 |
| 6 | 240 | 71 | 285 | 417 | 372 | 364 | 377 | 230 | 370 | 383 | 366 | 368 |
| 7 | 283 | 285 | 259 | 418 | 402 | 401 | 415 | 281 | 391 | 405 | 403 | 391 |
| 8 | 291 | 286 | 263 | 413 | 397 | 393 | 410 | 287 | 395 | 407 | 406 | 390 |
| 9 | 279 | 278 | 147 | 409 | 401 | 393 | 412 | 261 | 376 | 396 | 383 | 381 |
| 10 | 267 | 276 | 156 | 413 | 405 | 394 | 416 | 254 | 375 | 399 | 394 | 377 |
| 11 | 266 | 277 | 129 | 408 | 396 | 388 | 398 | 262 | 375 | 400 | 388 | 385 |
| 12 | 66 | 220 | 268 | 378 | 359 | 347 | 395 | 157 | 353 | 360 | 373 | 351 |
| 13 | | 241 | 280 | 382 | 364 | 352 | 376 | 167 | 350 | 363 | 362 | 350 |
| 14 | 11.4±0.7 | | 281 | 385 | 368 | 354 | 381 | 223 | 368 | 391 | 377 | 373 |
| 15 | 13.2±0.8 | 13.2±0.8 | | 399 | 386 | 380 | 403 | 277 | 367 | 400 | 395 | 386 |
| 16 | 18.1±1.0 | 18.1±1.0 | 18.8±1.0 | | 76 | 67 | 41 | 393 | 193 | 274 | 301 | 242 |
| 17 | 17.9±1.0 | 18.0±1.0 | 18.8±1.0 | 2.3±0.3 | | 41 | 115 | 373 | 172 | 265 | 254 | 235 |
| 18 | 17.6±1.0 | 17.6±1.0 | 18.9±1.0 | 2.2±0.3 | 1.8±0.3 | | 109 | 368 | 167 | 249 | 234 | 218 |
| 19 | 18.4±1.0 | 18.6±1.0 | 19.6±1.0 | 4.7±0.5 | 4.4±0.4 | 4.6±0.4 | | 391 | 188 | 262 | 242 | 222 |
| 20 | 8.2±0.6 | 10.9±0.7 | 13.1±0.7 | 17.3±0.9 | 17.1±0.9 | 17.2±0.9 | 17.8±0.9 | | 351 | 371 | 380 | 358 |
| 21 | 17.2±0.9 | 18.2±0.9 | 17.8±1.1 | 8.0±0.6 | 7.8±0.6 | 7.9±0.6 | 8.2±0.7 | 15.4±0.8 | | 242 | 241 | 217 |
| 22 | 17.7±1.1 | 19.5±1.0 | 19.7±1.2 | 12.0±0.8 | 12.4±0.8 | 11.9±0.7 | 12.1±0.7 | 17.3±0.9 | 11.2±0.7 | | 101 | 116 |
| 23 | 17.5±1.1 | 18.3±1.0 | 19.0±1.2 | 11.0±0.7 | 11.4±0.7 | 10.7±0.7 | 11.3±0.7 | 17.4±1.0 | 10.9±0.6 | 4.3±0.5 | | 95 |
| 24 | 17.1±1.0 | 18.5±0.9 | 19.0±1.1 | 10.4±0.7 | 10.9±0.7 | 10.3±0.7 | 10.3±0.7 | 16.7±0.9 | 10.0±0.6 | 5.1±0.5 | 4.2±0.4 | |