Table 2. Means and Standard Deviations of Maxillary Incisor Lengths and Widths:

Female Asian Colobines\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Species ♀ *(n)* L I1 SD I1 L I2 SD I2 L1-2 W I1 SD I1 W I2 SD I2 W1-2

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*N. larvatus* 22 5.23 0.38 4.01 0.27 1.22 4.60 0.20 4.54 0.25 0.06

*P. comata* 08 4.09 0.11 3.80 0.20 0.29 4.38 0.26 4.53 0.18 -0.15

*P. femoralis* 33 4.23 0.30 3.71 0.27 0.52 4.48 0.30 4.46 0.27 0.02

*P. frontata* 06 4.32 0.24 3.95 0.19 0.37 4.94 0.24 5.12 0.12 -0.18

*P. hosei* 19 3.90 0.27 3.67 0.28 0.23 4.60 0.23 4.80 0.27 -0.20

*P. melalophus* 18 4.24 0.29 3.87 0.21 0.37 4.35 0.27 4.42 0.29-0.07

*P. potenziani* 114.48 0.28 3.75 0.19 0.73 4.76 0.25 4.42 0.30 0.34

*P. rubicunda* 224.01 0.25 3.75 0.19 0.26 4.24 0.18 4.33 0.17 -0.09

*P. thomasi* 04 4.44 0.28 3.86 0.39 0.58 4.61 0.08 4.34 0.46 0.27

*P. nemaeus* 054.66 0.20 3.93 0.23 0.73 4.69 0.10 4.51 0.34 0.18

*R. avunculus* 01 5.57 -- 4.29 --1.284.42 -- 4.24 -- 0.18

*R. roxellana* 08 6.06 0.28 4.69 0.38 1.37 5.10 0.38 4.88 0.31 0.22

*S. johnii* 02 4.45 0.03 3.67 0.23 0.78 3.87 0.28 4.08 0.49 -0.21

*S. e. schista* 10\* 6.28 0.314.95 0.28 1.33 5.60 0.27 5.40 0.23 0.20

*S. e. thersites* 12 4.52 0.26 3.86 0.20 0.66 4.40 0.27 4.30 0.30 0.10

*S. vetulus* 05 4.53 0.44 3.80 0.430.734.25 0.22 4.10 0.49 0.15

*S. concolor* 08 4.20 0.17 3.68 0.22 0.52 4.17 0.18 4.10 0.210.07

*T. aurata* 30\* 4.65 0.34 3.72 0.22 0.93 4.19 0.30 4.17 0.280.02

*T. cristata* 45\* 4.50 0.35 3.71 0.29 0.79 4.01 0.39 4.00 0.38 0.01

*T. francoisi* 05 4.59 0.37 3.54 0.27 1.05 4.18 0.25 4.00 0.230.18

*T. geei* 04\* 4.43 0.25 3.89 0.08 0.54 4.42 0.11 4.68 0.32-0.26

*T. obscura* 18 4.76 0.37 3.90 0.23 0.86 4.20 0.28 4.35 0.25-0.15

*T. phayrei* 35 4.76 0.24 3.86 0.28 0.90 4.57 0.33 4.58 0.32 -0.01

*T. pileata* 08 4.87 0.19 4.23 0.16 0.64 5.00 0.15 5.12 0.27 -0.12

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Note: \* indicates sample size varied by 1-3 specimens

Table 3. Means/SD Maxillary Incisor Dimensions: Male Asian Colobines

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Species *♂ (n)* L I1 SD I1 L I2 SD I2 L1-2 W I1 SD I1 W I2 SD I2  W1-2

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*N. larvatus* 22 5.60 0.41 4.10 0.34 1.50 4.94 0.19 4.90 0.22 0.04

*P. comata* 08\* 4.02 0.19 3.67 0.23 0.35 4.43 0.25 4.46 0.22 -0.03

*P. femoralis* 26\* 4.26 0.35 3.67 0.27 0.59 4.54 0.37 4.42 0.33 0.12

*P. frontata* 04 4.37 0.15 4.15 0.12 0.22 4.84 0.08 5.09 0.20 -0.25

*P. hosei* 16 3.92 0.30 3.72 0.23 0.20 4.65 0.35 4.80 0.37 -0.15

*P. melalophus* 27 4.19 0.25 3.68 0.25 0.51 4.19 0.20 4.28 0.22-0.09

*P. potenziani* 134.50 0.28 3.72 0.29 0.78 4.77 0.27 4.54 0.24 0.23

*P. rubicunda* 254.02 0.25 3.58 0.23 0.44 4.31 0.24 4.33 0.24 -0.02

*P. thomasi* 02 4.26 0.57 3.71 0.44 0.55 4.62 0.20 4.51 0.24 0.11

*P. nemaeus* 07 4.96 0.16 4.20 0.24 0.76 5.19 0.24 5.15 0.30 0.04

*R. avunculus* 07 5.25 0.63 4.63 0.24 0.62 4.59 0.25 4.65 0.19-0.06

*R. roxellana* 03\* 6.37 0.44 4.41 0.40 1.96 5.60 0.45 5.10 0.37 0.50

*S. johnii* 09\* 4.64 0.29 3.85 0.35 0.79 4.27 0.21 4.43 0.23 -0.16

*S. e. schista* 06 6.35 0.38 5.19 0.37 1.16 5.47 0.70 5.58 0.37-0.11

*S. e. thersites* 09 4.74 0.28 3.81 0.31 0.93 4.38 0.31 4.28 0.36 0.10

*S. vetulus* 07 4.61 0.44 3.72 0.24 0.89 4.12 0.35 4.00 0.24 0.12

*S. concolor* 03\* 4.55 0.03 3.74 0.25 0.81 4.10 0.35 4.12 0.14 -0.02

*T. aurata* 23\* 4.73 0.36 3.84 0.24 0.89 4.26 0.25 4.25 0.26 0.01

*T. cristata* 27\* 4.56 0.30 3.54 0.26 1.02 4.00 0.35 3.86 0.26 0.14

*T. francoisi* 03 4.71 0.05 3.67 0.27 1.04 4.05 0.19 4.17 0.30 -0.12

*T. geei* 03 4.74 0.05 3.91 0.25 0.83 4.55 0.15 4.61 0.24 -0.06

*T. obscura* 22 4.86 0.25 3.91 0.23 0.95 4.24 0.33 4.37 0.26 -0.13

*T. phayrei* 11 4.85 0.29 3.83 0.27 1.02 4.54 0.30 4.65 0.44 -0.11

*T. pileata* 21\* 4.96 0.34 4.37 0.30 0.59 5.11 0.33 5.32 0.29 -0.21

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Note: \* indicates sample size varied by 1-3 specimens

Table 4. Means/SD of Mandibular Incisor Dimensions: Female Asian Colobines\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Species *♀ (n)*  L I1 SD I1L I2 SD I2L1-2W I1 SD I1W I2 SD I2  W1-2

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*N. larvatus* 22 3.88 0.25 3.50 0.38 0.38 4.55 0.57 4.75 0.36 -0.20

*P. comata* 08 3.33 0.07 3.38 0.13 -0.05 4.10 0.13 4.29 0.21 -0.19

*P. femoralis* 32 3.37 0.24 3.16 0.19 0.20 4.23 0.25 4.33 0.24 -0.10

*P. frontata* 06 3.36 0.23 3.57 0.16 -0.21 4.64 0.24 5.03 0.29 -0.39

*P. hosei* 19\* 3.14 0.20 3.26 0.22 -0.12 4.41 0.32 4.64 0.32 -0.23

*P. melalophus* 18\* 3.40 0.22 3.33 0.12 0.07 4.10 0.34 4.30 0.34 -0.20

*P. potenziani* 10 3.52 0.16 3.23 0.12 0.29 4.29 0.26 4.25 0.23 0.04

*P. rubicunda* 21\* 3.25 0.23 3.21 0.23 0.04 3.83 0.20 4.11 0.16 -0.28

*P. thomasi* 04 3.33 0.19 3.29 0.20 0.04 4.38 0.10 4.52 0.19 -0.14

*P. nemaeus* 05 3.39 0.07 3.35 0.12 0.04 4.20 0.18 4.51 0.21 -0.31

*R. avunculus* 01 4.04 -- 3.26 -- 0.78 4.43 -- 4.59 -- -0.16

*R. roxellana* 08 4.37 0.26 3.93 0.26 0.44 5.00 0.24 5.10 0.26 -0.10

*S. johnii* 02 3.15 0.14 2.74 0.10 0.41 3.66 0.25 4.02 0.47 -0.36

*S. e. schista* 10\* 4.31 0.37 4.03 0.28 0.28 5.20 0.23 5.36 0.25 -0.16

*S. e. thersites* 13\* 3.01 0.15 3.00 0.27 0.01 3.81 0.24 3.91 0.26 -0.10

*K. vetulus* 05 3.32 0.24 3.10 0.22 0.22 3.87 0.33 3.81 0.23 0.06

*S. concolor* 08 3.25 0.19 3.06 0.17 0.19 3.81 0.12 4.11 0.14 -0.30

*T. aurata* 30 3.30 0.25 3.02 0.23 0.28 3.88 0.30 4.10 0.29 -0.22

*T. cristata* 45\* 3.14 0.21 2.97 0.24 0.17 3.64 0.45 3.82 0.40 -0.18

*T. francoisi* 06\* 3.23 0.33 3.15 0.13 0.08 3.60 0.27 3.91 0.41 -0.31

*T. geei* 04 3.25 0.14 3.17 0.16 0.08 4.08 0.10 4.37 0.19 -0.29

*T. obscura* 19\* 3.40 0.25 3.10 0.20 0.30 3.92 0.27 4.11 0.25 -0.19

*T. phayrei* 35\* 3.38 0.25 3.13 0.19 0.25 4.37 0.28 4.47 0.33 -0.10

*T. pileata* 08 3.90 0.19 3.47 0.13 0.43 4.65 0.18 4.73 0.20 -0.08

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Note: \* indicates sample size varied by 1-3 specimens

Table 5. Means/SD of Mandibular Incisor Dimensions: Male Asian Colobines

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Species *♂ (n)* L I1 SD I1L I2 SD I2 L1-2W I1 SD I1W I2 SD I2 W1-2

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*N. larvatus* 20\* 3.95 0.21 3.63 0.28 0.32 4.76 0.25 5.02 0.22 -0.26

*P. comata* 08 3.29 0.21 3.22 0.26 0.07 4.12 0.20 4.27 0.26 -0.15

*P. femoralis* 25\* 3.34 0.23 3.17 0.23 0.17 4.28 0.25 4.31 0.29 -0.03

*P. frontata* 04 3.46 0.04 3.63 0.15 -0.17 4.51 0.26 5.03 0.30 -0.52

*P. hosei* 16 3.09 0.24 3.27 0.19 -0.18 4.39 0.29 4.63 0.29 -0.24

*P. melalophus* 26\* 3.33 0.16 3.27 0.14 0.06 3.95 0.19 4.12 0.19 -0.17

*P. potenziani* 133.64 0.19 3.46 0.21 0.18 4.34 0.25 4.41 0.22 -0.07

*P. rubicunda* 25\*3.21 0.16 3.22 0.23 -0.01 3.95 0.24 4.21 0.26-0.26

*P. thomasi* 02\* 3.77 -- 3.17 0.18 0.60 4.61 -- 4.34 0.37 0.27

*P. nemaeus* 07 4.00 0.28 3.58 0.19 0.42 4.68 0.23 5.16 0.27 -0.48

*R. avunculus* 06 3.75 0.40 3.55 0.26 0.20 4.35 0.24 4.52 0.28 -0.17

*R. roxellana* 03 4.41 0.26 4.03 0.15 0.38 5.45 0.15 5.58 0.24 -0.13

*S. johnii* 09 3.21 0.32 3.18 0.18 0.03 3.95 0.17 4.16 0.23 -0.21

*S. e. schista* 07\* 4.50 0.39 4.13 0.35 0.37 5.44 0.25 5.77 0.35-0.33

*S. e. thersites* 07 3.15 0.28 3.07 0.12 0.08 3.94 0.46 4.24 0.30 -0.30

*S. vetulus* 07 3.06 0.36 3.11 0.23 -0.05 3.87 0.29 3.76 0.17 0.11

*S. concolor* 03\* 3.33 0.11 3.24 0.19 0.09 3.84 0.35 4.37 0.44-0.53

*T. aurata* 23 3.46 0.40 3.07 0.28 0.39 4.03 0.20 4.04 0.27 -0.01

*T. cristata* 26\* 3.16 0.22 2.76 0.25 0.40 3.54 0.38 3.64 0.33 -0.10

*T. francoisi* 03 3.17 0.22 3.11 0.23 0.06 3.63 0.22 4.00 0.35-0.37

*T. geei* 03 3.45 0.26 2.95 0.13 0.50 4.48 0.62 4.53 0.36-0.05

*T. obscura* 22 3.39 0.18 3.08 0.21 0.31 4.13 0.33 4.16 0.36 -0.03

*T. phayrei* 11 3.30 0.26 3.06 0.22 0.24 4.12 0.20 4.27 0.20 -0.15

*T. pileata* 21\* 3.70 0.25 3.37 0.23 0.33 4.79 0.36 4.82 0.35 -0.03

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Note: \* indicates sample size varied by 1-3 specimens

.

Table 6. Maxillary and Mandibular Incisor Length and Width Comparisons by Species

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Species Sex *(n)* L I1 vs L I2 W I1vs W I2L I1 vs L I2 W I1 vs W I2

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*♀ P* Z *P* Z *P* Z  *P* Z

*♂*

*N. larvatus* 22 0.000 4.17 0.338 0.96 0.000 3.96 0.000 3.33

22 0.000 4.11 0.455 0.75 0.000 3.51 0.000 3.32

*P. comata* 08 0.012 2.52 0.017 2.38 0.161 1.40 0.025 2.24

08 0.018 2.37 0.554 0.59 0.401 0.84 0.012 2.52

*P. femoralis* 33 0.000 4.99 0.748 0.32 0.000 3.93 0.003 2.99

25 0.000 4.37 0.019 2.35 0.000 3.92 0.260 1.13

*P. frontata* 06 0.028 2.20 0.080 1.75 0.046 1.99 0.028 2.20

05 ------- ----- ------- ----- ------- ----- ------- -----

*P. hosei* 19 0.005 2.78 0.005 2.82 0.002 3.09 0.000 3.34

16 0.007 2.69 0.039 2.07 0.015 2.43 0.000 3.52

*P. melalophus* 18 0.000 3.42 0.133 1.50 0.191 1.31 0.000 3.38

27 0.000 4.49 0.006 2.74 0.095 1.67 0.000 3.54

*P. potenziani* 11 0.003 2.93 0.003 2.93 0.005 2.80 0.021 2.31 13 0.001 3.18 0.013 2.48 0.002 3.11 0.328 0.98

*P. rubicunda* 220.000 3.72 0.008 2.65 0.514 0.65 0.000 3.92

23 0.000 4.37 0.730 0.34 0.618 0.50 0.000 4.11

*P. thomasi* 04 ------- ----- ------- ----- ------- ----- ------- -----

02 ------- ----- ------- ----- ------- ----- ------- -----

*P. nemaeus* 05 ------- ----- ------- ----- ------- ----- ------- -----

07 0.018 2.37 0.499 0.68 0.018 2.37 0.018 0.02

*R. avunculus* 01 ------- ----- ------- ----- ------- ----- ------- -----

07 0.028 2.20 0.612 0.51 0.249 1.15 0.028 0.03

*R. roxellana* 08 0.012 2.52 0.208 1.26 0.012 2.52 0.208 1.26

03 ------- ----- ------- ----- ------- ----- ------- -----

*S. johnii* 02 ------- ----- ------- ----- ------- ----- ------- -----

09 0.008 2.67 0.062 1.86 0.678 0.42 0.011 2.55

*S. e. schista* 10 0.005 2.80 0.028 2.19 0.008 2.67 0.069 1.82

06 0.028 2.20 0.917 0.10 0.074 1.78 0.028 2.20

*S. e. thersites* 12 0.002 3.06 0.182 0.18 0.722 0.36 0.158 0.16

07 0.008 2.67 0.110 1.60 0.735 0.34 0.063 1.86

*S. vetulus* 05 ------- ----- ------- ----- ------- ----- ------- -----

07 0.018 2.37 0.176 1.35 0.499 0.68 0.237 1.18

*S. concolor* 08 0.012 2.52 0.401 0.84 0.017 2.38 0.012 0.11

03 ------- ----- ------- ----- ------- ----- ------- -----

*T. aurata* 29 0.000 4.70 0.327 0.98 0.000 4.30 0.000 4.17

23 0.000 4.20 0.833 0.21 0.000 4.14 0.574 0.57

*T. cristata* 43 0.000 5.71 0.912 0.11 0.000 4.52 0.000 4.34

25 0.000 4.37 0.021 2.30 0.000 3.97 0.017 2.39

*T. francoisi* 05 ------- ----- ------- ----- ------- ----- ------- -----

03 ------- ----- ------- ----- ------- ----- ------- -----

*T. geei* 03 ------- ----- ------- ----- ------- ----- ------- -----

03 ------- ----- ------- ----- ------- ----- ------- -----

*T. obscura* 18 0.000 3.72 0.025 2.24 0.000 3.68 0.000 3.44

22 0.000 4.12 0.016 2.42 0.000 3.98 0.394 0.85

*T. phayrei* 35 0.000 5.16 0.819 0.23 0.000 4.69 0.083 1.73

11 0.003 2.93 0.328 0.98 0.021 2.31 0.021 2.31

*T. pileata* 08 0.012 2.52 0.093 1.68 0.012 2.52 0.050 1.96

20 0.000 3.73 0.033 2.13 0.000 3.67 0.709 0.37

Table 7.Regression Analyses with Size-Surrogate Glabella-Inion (GI)

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Variables Sex *r* Slope Intercept SE

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

GI on body weight F 0.84 0.00±0.00 55.055 2.73

M 0.91 0.00±0.00 61.337 1.78

LI1 on GI F 0.87 0.08±0.0 -1.056 0.71

M 0.87 0.07±0.01 -0.652 0.65

LI2 on GI F 0.88 0.04±0.01 0.7223 0.38

M 0.86 0.04±0.01 0.6664 0.41

WI1 on GI F 0.68 0.04±0.01 1.5989 0.68

M 0.68 0.04±0.01 1.6373 0.67

WI2 on GI F 0.55 0.03±0.01 2.1772 0.75

M 0.63 0.03±0.01 1.9057 0.70

LI1 on GI F 0.84 0.05±0.01 0.0312 0.47

M 0.81 0.04±0.01 0.3986 0.49

LI2 on GI F 0.72 0.03±0.01 0.9423 0.47

M 0.71 0.03±0.01 1.0698 0.48

WI1 on GI F 0.67 0.04±0.01 1.0439 0.75

M 0.70 0.04±0.01 0.9377 0.73

WI2 on GI F 0.67 0.04±0.01 1.3188 0.73

M 0.71 0.05±0.01 0.8105 0.77

**\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

Note: L = Mesio-Distal Length and W = Bucco-Lingual Width

Table 8. T-tests Results for Residuals of Incisor Dimensions/Glabella-Inion in Asian Colobines

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Maxillary Incisors Length I 1 Length I 2 Width I 1 Width I 2

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*t- P t-*  *P t- P t- P*

Genus Sex value value value value value value value value

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Presbytis vs. Trachy*

F 1.85 0.09 0.58 0.58 -2.13 0.05 -1.29 0.22

M 2.42 0.03 0.25 0.81 -2.07 0.06 -1.27 0.23

*Presbytis vs. Nasalis*

F -1.30 0.24 -1.70 0.13 -1.14 0.29 -0.96 0.37

M -1.85 0.11 -1.04 0.33 -0.50 0.64 -0.41 0.70

*Trachy vs. Nasalis*

F -0.07 0.95 -0.57 0.59 -0.19 0.85 -0.24 0.82

M -0.44 0.68 -1.15 0.29 0.51 0.63 0.22 0.84

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mandibular Incisors Length I 1Length I 2 Width I 1 Width I 2

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*t- P t-*  *P t- P t- P*

Genus Sex value value value value value value value value

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Presbytis vs. Trachy*

F -0.78 0.45 -4.00 0.00\* -2.08 0.06 -2.28 0.04\*

M -1.77 0.10 -3.92 0.00\* -0.20 0.06 -2.32 0.04\*

*Presbytis vs. Nasalis*

F -1.06 0.10 0.67 0.53 0.32 0.76 0.28 0.79

M 0.06 0.96 0.36 0.73 0.40 0.70 0.18 0.87

*Trachy vs. Nasalis*

F -0.83 0.44 -1.58 0.17 -0.68 0.52 -0.94 0.39

M -0.94 0.38 -1.89 0.11 -0.58 0.59 -1.18 0.28

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Incisor Row Lengths Upper Incisor Row Lower Incisor Row

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*t- P t-*  *P*

Genus Sex value value value value

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*Presbytis vs. Trachy*

F 1.10 0.29 -1.68 0.12

M 1.40 0.19 -3.46 0.04\*

*Presbytis vs. Nasalis*

F -0.42 0.69 -0.50 0.64

M -0.41 0.69 0.26 0.80

*Trachy vs. Nasalis*

F 0.19 0.86 -1.14 0.30

M 0.27 0.80 -1.64 0.15

Table 9.Incisor RowLengths with Differences between Upper and Lower Rows

*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

Species Upper (♀) Lower (♀) U - L (♀) Upper (♂) Lower (♂) U – L (♂)

*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

*N. larvatus* 18.48 14.76 3.72 19.40 15.16 4.24

*P. comata* 15.78 13.42 2.36 15.38 13.02 2.36

*P. femoralis* 15.88 13.06 2.82 15.86 13.02 2.84

*P. frontata* 16.54 13.86 2.68 17.04 14.18 2.86

*P. hosei* 15.14 12.80 2.34 15.28 12.72 2.56

*P. melalophus* 16.22 13.46 2.76 15.74 13.20 2.54

*P. potenziani*  16.46 13.50 2.96 16.44 14.20 2.24

*P. rubicunda* 15.52 12.92 2.60 15.20 12.86 2.34

*P. thomasi* 16.60 13.24 3.36 15.94 13.88 2.06

*P. nemaeus* 17.18 13.48 3.70 18.32 15.16 3.16

*R. avunculus* 19.72 14.60 5.12 19.76 14.60 5.16

*R. roxellana* 21.50 16.60 4.90 21.56 16.88 4.68

*S. johnii* 16.24 11.78 4.46 16.98 12.78 4.20

*S. e. schista* 22.46 16.68 5.78 23.08 17.26 5.82

*S. e. thersites* 16.76 12.02 4.74 17.01 12.44 4.57

*S. vetulus* 16.66 12.84 3.82 16.66 12.34 4.32

*S. concolor* 15.76 12.62 3.14 16.58 13.14 3.44

*T. aurata* 16.74 12.64 4.10 17.14 13.06 4.08

*T. cristata* 16.42 12.22 4.20 16.20 11.84 4.36

*T. francoisi* 16.26 12.76 3.50 16.76 12.56 4.20

*T. geei* 16.64 12.84 3.80 17.30 12.80 4.50

*T. obscura* 17.32 13.00 4.32 17.54 12.94 4.60

*T. phayrei* 17.24 13.02 4.22 17.36 12.72 4.64

*T. pileata* 18.20 14.74 3.46 18.66 14.14 4.52

Table 10.Dental Row Lengths and Incisor over Molar Row Proportion \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Species *♂ (n)* IRL MRL IRL/MRL *♀ (n)* IRL MRL IRL/MRL

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

*N. larvatus* 22 19.4 26.0 0.7 22 15.0 25.0 0.6

*P. comata* 08\* 15.4 19.0 0.8 08 13.4 18.1 0.7

*P. femoralis* 26\* 16.0 17.4 0.9 32 13.1 19.3 0.7

*P. frontata* 04 17.0 18.1 0.9 06 14.0 18.0 0.8

*P. hosei* 16 15.3 17.4 0.9 19\* 13.0 17.3 0.7

*P. melalophus* 27 16.0 19.0 0.8 18\* 14.0 19.0 0.7

*P. potenziani* 13 16.4 21.0 0.8 10 14.0 20.3 0.7

*P. rubicunda* 2515.2 17.2 0.9 21\* 13.0 17.1 0.8

*P. thomasi* 02 16.0 18.0 0.9 04 13.2 18.2 0.7

*P. nemaeus* 07 18.3 24.0 0.8 05 14.0 23.1 0.6

*R. avunculus* 07 20.0 25.0 0.8 01 15.0 24.0 0.6

*R. roxellana* 03\* 22.0 29.0 0.7 08 17.0 27.0 0.6

*S. johnii* 09\* 17.0 23.0 0.7 02 12.0 22.0 0.5

*S. e. schista* 06 23.1 30.4 0.8 10\* 17.0 31.0 0.5

*S. e. thersites* 09 17.1 24.0 0.7 13\* 12.0 21.0 0.6

*S. vetulus* 07 17.0 21.1 0.8 05 13.0 23.0 0.6

*S. concolor* 03\* 17.0 23.0 0.7 08 13.0 22.0 0.6

*T. aurata* 23\* 16.3 22.4 0.7 30 13.0 22.2 0.6

*T. cristata* 27\* 16.2 20.3 0.8 45\* 12.2 20.4 0.6

*T. francoisi* 03 17.0 21.2 0.8 06\* 13.0 21.1 0.6

*T. geei* 03 17.3 22.0 0.8 04 13.0 21.0 0.6

*T. obscura* 22 18.0 20.4 0.9 19\* 13.0 20.3 0.6

*T. phayrei* 11 17.4 21.0 0.8 35\* 13.0 20.4 0.6

*T. pileata* 21\* 19.0 22.2 0.9 08 15.0 22.0 0.7

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Notes: \* indicates sample size varied by 1-3 specimens

Table 11. Regression results on residuals for molar variables.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Variables | Sex | *r* | *r*2 | Slope | Intercept | SE |
| M2 Area on GI | F | 0.89 | 0.79 | 1.78 | -86.89 | 14.31 |
|  | M | 0.89 | 0.80 | 1.62 | -80.24 | 13.66 |
| M2 splay on M2 area | F | 0.75 | 0.57 | 0.12 | 8.37 | 1.00 |
|  | M | 0.90 | 0.80 | 0.12 | 8.83 | 0.60 |
| M2 height on M2 area | F | 0.96 | 0.92 | 0.05 | 2.43 | 0.13 |
|  | M | 0.97 | 0.95 | 0.05 | 2.42 | 0.11 |
| M2 crests on M2 area | F | 0.75 | 0.56 | 0.03 | 1.49 | 0.22 |
|  | M | 0.94 | 0.89 | 0.03 | 1.53 | 0.09 |
| M2 Area on GI | F | 0.89 | 0.80 | 1.50 | -72.13 | 12.02 |
|  | M | 0.90 | 0.81 | 1.46 | -72.71 | 11.59 |
| M2 splay on M2 area | F | 0.68 | 0.47 | 0.12 | 8.15 | 1.13 |
|  | M | 0.73 | 0.53 | 0.11 | 9.26 | 0.89 |
| M2 height on M2 area | F | 0.98 | 0.96 | 0.06 | 2.48 | 0.10 |
|  | M | 0.97 | 0.95 | 0.05 | 2.58 | 0.12 |
| M2 crests on M2 area | F | 0.96 | 0.93 | 0.03 | 1.50 | 0.08 |
|  | M | 0.94 | 0.88 | 0.03 | 1.60 | 0.10 |