### Supplementary information for Spurgin *et al.* "Telomeres reveal silver spoon effects in a wild population"

**Table S1** Model selection table for analysis of factors affecting early life telomere length in juvenile Seychelles warblers. Only models that remained in the top model set for model averaging (AICc 6 compared to the top model) are included here. TQ = territory quality.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model | df | AICc | Delta AICc | Weight |
| Age + Tarsus + TQ + Age x tarsus | 9 | 453.93 | 0.00 | 0.04 |
| Age + Non helpers + Tarsus + TQ + Age x tarsus | 10 | 454.42 | 0.49 | 0.03 |
| Sex + Age + Tarsus + TQ + Age x tarsus | 10 | 454.75 | 0.82 | 0.03 |
| Sex + Age + Non helpers + Tarsus + TQ + Age x tarsus | 11 | 455.21 | 1.28 | 0.02 |
| Sex + Age + Tarsus + TQ + Age x sex | 10 | 455.46 | 1.53 | 0.02 |
| Age + Tarsus + Age x tarsus | 8 | 455.72 | 1.79 | 0.02 |
| Age + Body mass + Tarsus + TQ + Age x tarsus | 10 | 455.79 | 1.86 | 0.02 |
| Age + Tarsus + TQ + Age x tarsus + Age x TQ | 10 | 455.79 | 1.86 | 0.02 |
| Helpers + Age + Tarsus + TQ + Age x tarsus | 10 | 455.80 | 1.88 | 0.02 |
| Sex + Age + Non helpers + Tarsus + TQ + Age x sex | 11 | 455.89 | 1.96 | 0.02 |
| Sex + Age + Tarsus + TQ + Age x sex + Age x tarsus | 11 | 455.96 | 2.03 | 0.02 |
| Age + Non helpers + Tarsus + TQ + Age x tarsus + Age x TQ | 11 | 456.24 | 2.31 | 0.01 |
| Helpers + Age + Non helpers + Tarsus + TQ + Age x tarsus | 11 | 456.31 | 2.38 | 0.01 |
| Age + Non helpers + Tarsus + Age x tarsus | 9 | 456.34 | 2.41 | 0.01 |
| Age + Body mass + Non helpers + Tarsus + TQ + Age x tarsus | 11 | 456.35 | 2.42 | 0.01 |
| Sex + Age + Body mass + Tarsus + TQ + Age x tarsus | 11 | 456.36 | 2.43 | 0.01 |
| Age + Non helpers + Tarsus + TQ + Age x non helpers + Age x tarsus | 11 | 456.39 | 2.46 | 0.01 |
| Sex + Age + Body mass + Tarsus + TQ + Age x sex | 11 | 456.43 | 2.50 | 0.01 |
| Sex + Age + Tarsus + Age x tarsus | 9 | 456.44 | 2.51 | 0.01 |
| Sex + Age + Non helpers + Tarsus + TQ + Age x sex + Age x tarsus | 12 | 456.51 | 2.58 | 0.01 |
| Age + Body mass + TQ + Age x mass | 9 | 456.59 | 2.66 | 0.01 |
| Sex + Age + Tarsus + TQ + Age x tarsus + Age x TQ | 11 | 456.62 | 2.69 | 0.01 |
| Helpers + Sex + Age + Tarsus + TQ + Age x tarsus | 11 | 456.63 | 2.70 | 0.01 |
| Sex + Age + Body mass + Non helpers + Tarsus + TQ + Age x tarsus | 12 | 456.93 | 3.00 | 0.01 |
| Age + Body mass + Non helpers + TQ + Age x mass | 10 | 457.01 | 3.08 | 0.01 |
| Sex + Age + Non helpers + Tarsus + Age x tarsus | 10 | 457.02 | 3.09 | 0.01 |
| Sex + Age + Non helpers + Tarsus + TQ + Age x tarsus + Age x TQ | 12 | 457.04 | 3.11 | 0.01 |
| Sex + Age + Body mass + Non helpers + Tarsus + TQ + Age x sex | 12 | 457.05 | 3.12 | 0.01 |
| Helpers + Sex + Age + Non helpers + Tarsus + TQ + Age x tarsus | 12 | 457.10 | 3.17 | 0.01 |
| Sex + Age + Non helpers + Tarsus + TQ + Age x non helpers + Age x tarsus | 12 | 457.17 | 3.24 | 0.01 |
| Sex + Age + Tarsus + TQ | 9 | 457.22 | 3.29 | 0.01 |
| Helpers + Sex + Age + Tarsus + TQ + Age x sex | 11 | 457.30 | 3.37 | 0.01 |
| Sex + Age + Non helpers + Tarsus + TQ | 10 | 457.31 | 3.38 | 0.01 |
| Sex + Age + Body mass + Tarsus + TQ + Age x sex + Age x tarsus | 12 | 457.33 | 3.40 | 0.01 |
| Age + Body mass + Tarsus + Age x tarsus | 9 | 457.35 | 3.42 | 0.01 |
| Sex + Age + Tarsus + Age x sex | 9 | 457.47 | 3.54 | 0.01 |
| Sex + Age + Tarsus + TQ + Age x sex + Age x TQ | 11 | 457.47 | 3.54 | 0.01 |
| Age + Body mass + Tarsus + TQ + Age x mass + Age x tarsus | 11 | 457.49 | 3.56 | 0.01 |
| Sex + Age + Body mass + TQ + Age x mass | 10 | 457.51 | 3.58 | 0.01 |
| Helpers + Age + Tarsus + TQ + Age x helpers + Age x tarsus | 11 | 457.54 | 3.61 | 0.01 |
| Helpers + Age + Tarsus + Age x tarsus | 9 | 457.59 | 3.66 | 0.01 |
| Age + Body mass + Tarsus + TQ + Age x tarsus + Age x TQ | 11 | 457.67 | 3.74 | 0.01 |
| Helpers + Age + Tarsus + TQ + Age x tarsus + Age x TQ | 11 | 457.68 | 3.75 | 0.01 |
| Helpers + Age + Body mass + Tarsus + TQ + Age x tarsus | 11 | 457.69 | 3.76 | 0.01 |
| Sex + Age + Body mass + Tarsus + Age x tarsus | 10 | 457.72 | 3.79 | 0.01 |
| Helpers + Sex + Age + Non helpers + Tarsus + TQ + Age x sex | 12 | 457.74 | 3.81 | 0.01 |
| Sex + Age + Non helpers + Tarsus + TQ + Age x sex + Age x non helpers | 12 | 457.82 | 3.89 | 0.01 |
| Sex + Age + Tarsus + Age x sex + Age x tarsus | 10 | 457.82 | 3.89 | 0.01 |
| Helpers + Sex + Age + Tarsus + TQ + Age x sex + Age x tarsus | 12 | 457.83 | 3.90 | 0.01 |
| Sex + Age + Tarsus + TQ + Age x sex + Age x tarsus + Age x TQ | 12 | 457.86 | 3.93 | 0.01 |
| Sex + Age + Non helpers + Tarsus + TQ + Age x sex + Age x TQ | 12 | 457.87 | 3.94 | 0.01 |
| Sex + Age + Body mass + Tarsus + Age x sex | 10 | 457.94 | 4.01 | 0.01 |
| Sex + Age + Body mass + Non helpers + TQ + Age x mass | 11 | 457.96 | 4.03 | 0.01 |
| Sex + Age + Non helpers + Tarsus + Age x sex | 10 | 458.00 | 4.07 | 0.01 |
| Sex + Age + Body mass + Non helpers + Tarsus + TQ + Age x sex + Age x tarsus | 13 | 458.02 | 4.09 | 0.01 |
| Helpers + Age + Non helpers + Tarsus + TQ + Age x helpers + Age x tarsus | 12 | 458.03 | 4.10 | 0.01 |
| Sex + Age + Body mass + Tarsus + TQ + Age x sex + Age x mass | 12 | 458.03 | 4.10 | 0.01 |
| Sex + Age + Body mass + TQ + Age x sex | 10 | 458.03 | 4.10 | 0.01 |
| Age + Body mass + Non helpers + Tarsus + Age x tarsus | 10 | 458.06 | 4.13 | 0.01 |
| Age + Body mass + Non helpers + Tarsus + TQ + Age x mass + Age x tarsus | 12 | 458.08 | 4.15 | 0.01 |
| Sex + Age + Body mass + TQ + Age x sex + Age x mass | 11 | 458.09 | 4.16 | 0.01 |
| Helpers + Age + Non helpers + Tarsus + TQ + Age x tarsus + Age x TQ | 12 | 458.14 | 4.21 | 0.01 |
| Sex + Age + Body mass + Tarsus + TQ + Age x mass | 11 | 458.16 | 4.23 | 0.01 |
| Age + Body mass + Non helpers + Tarsus + TQ + Age x tarsus + Age x TQ | 12 | 458.19 | 4.26 | 0.01 |
| Age + Non helpers + Tarsus + TQ + Age x non helpers + Age x tarsus + Age x TQ | 12 | 458.20 | 4.27 | 0.01 |
| Helpers + Age + Non helpers + Tarsus + Age x tarsus | 10 | 458.22 | 4.29 | 0.00 |
| Sex + Age + Body mass + Tarsus + TQ + Age x mass + Age x tarsus | 12 | 458.25 | 4.32 | 0.00 |
| Helpers + Age + Body mass + Non helpers + Tarsus + TQ + Age x tarsus | 12 | 458.26 | 4.33 | 0.00 |
| Sex + Age + Body mass + Tarsus + TQ + Age x tarsus + Age x TQ | 12 | 458.26 | 4.33 | 0.00 |
| Helpers + Age + Non helpers + Tarsus + TQ + Age x non helpers + Age x tarsus | 12 | 458.28 | 4.35 | 0.00 |
| Helpers + Sex + Age + Body mass + Tarsus + TQ + Age x tarsus | 12 | 458.28 | 4.35 | 0.00 |
| Age + Non helpers + Tarsus + Age x non helpers + Age x tarsus | 10 | 458.29 | 4.36 | 0.00 |
| Helpers + Sex + Age + Tarsus + Age x tarsus | 10 | 458.31 | 4.38 | 0.00 |
| Age + Body mass + Tarsus + TQ + Age x mass | 10 | 458.33 | 4.40 | 0.00 |
| Helpers + Sex + Age + Body mass + Tarsus + TQ + Age x sex | 12 | 458.33 | 4.40 | 0.00 |
| Age + Body mass + Non helpers + Tarsus + TQ + Age x non helpers + Age x tarsus | 12 | 458.34 | 4.41 | 0.00 |
| Sex + Age + Non helpers + Tarsus + TQ + Age x sex + Age x tarsus + Age x TQ | 13 | 458.37 | 4.44 | 0.00 |
| Helpers + Sex + Age + Non helpers + Tarsus + TQ + Age x sex + Age x tarsus | 13 | 458.39 | 4.46 | 0.00 |
| Helpers + Sex + Age + Tarsus + TQ + Age x helpers + Age x tarsus | 12 | 458.41 | 4.48 | 0.00 |
| Sex + Age + Body mass + Non helpers + Tarsus + Age x tarsus | 11 | 458.43 | 4.50 | 0.00 |
| Helpers + Age + Body mass + TQ + Age x mass | 10 | 458.44 | 4.51 | 0.00 |
| Sex + Age + Body mass + Tarsus + TQ + Age x sex + Age x TQ | 12 | 458.45 | 4.53 | 0.00 |
| Sex + Age + Non helpers + Tarsus + TQ + Age x sex + Age x non helpers + Age x tarsus | 13 | 458.47 | 4.54 | 0.00 |
| Sex + Age + Non helpers + Tarsus + Age x sex + Age x tarsus | 11 | 458.47 | 4.54 | 0.00 |
| Sex + Age + Body mass + Tarsus + TQ | 10 | 458.48 | 4.55 | 0.00 |
| Helpers + Sex + Age + Tarsus + TQ + Age x tarsus + Age x TQ | 12 | 458.50 | 4.57 | 0.00 |
| Sex + Age + Body mass + Non helpers + TQ + Age x sex | 11 | 458.56 | 4.63 | 0.00 |
| Age + Body mass + TQ + Age x mass + Age x TQ | 10 | 458.57 | 4.64 | 0.00 |
| Sex + Age + Body mass + Non helpers + Tarsus + TQ + Age x mass | 12 | 458.61 | 4.68 | 0.00 |
| Age + Body mass + Age x mass | 8 | 458.65 | 4.72 | 0.00 |
| Sex + Age + Body mass + Non helpers + Tarsus + TQ + Age x sex + Age x mass | 13 | 458.68 | 4.75 | 0.00 |
| Sex + Age + Body mass + Non helpers + Tarsus + Age x sex | 11 | 458.69 | 4.76 | 0.00 |
| Sex + Age + Body mass + Non helpers + TQ + Age x sex + Age x mass | 12 | 458.71 | 4.78 | 0.00 |
| Sex + Age + Body mass + Non helpers + Tarsus + TQ | 11 | 458.74 | 4.81 | 0.00 |
| Age + Body mass + Non helpers + Tarsus + TQ + Age x mass | 11 | 458.75 | 4.82 | 0.00 |
| Sex + Age + Body mass + Non helpers + Tarsus + TQ + Age x tarsus + Age x TQ | 13 | 458.79 | 4.86 | 0.00 |
| Sex + Age + Body mass + Tarsus + Age x sex + Age x tarsus | 11 | 458.81 | 4.88 | 0.00 |
| Sex + Age + Body mass + Non helpers + Tarsus + TQ + Age x mass + Age x tarsus | 13 | 458.84 | 4.91 | 0.00 |
| Helpers + Sex + Age + Body mass + Non helpers + Tarsus + TQ + Age x tarsus | 13 | 458.86 | 4.93 | 0.00 |
| Helpers + Sex + Age + Non helpers + Tarsus + TQ + Age x helpers + Age x tarsus | 13 | 458.87 | 4.94 | 0.00 |
| Helpers + Age + Body mass + Non helpers + TQ + Age x mass | 11 | 458.87 | 4.94 | 0.00 |
| Sex + Age + Tarsus | 8 | 458.90 | 4.97 | 0.00 |
| Helpers + Sex + Age + Non helpers + Tarsus + Age x tarsus | 11 | 458.90 | 4.98 | 0.00 |
| Sex + Age + Body mass + Non helpers + Tarsus + TQ + Age x non helpers + Age x tarsus | 13 | 458.91 | 4.98 | 0.00 |
| Helpers + Sex + Age + Non helpers + Tarsus + TQ + Age x tarsus + Age x TQ | 13 | 458.94 | 5.01 | 0.00 |
| Sex + Age + Non helpers + Tarsus + Age x non helpers + Age x tarsus | 11 | 458.95 | 5.02 | 0.00 |
| Age + Body mass + Non helpers + TQ + Age x mass + Age x TQ | 11 | 458.96 | 5.03 | 0.00 |
| Helpers + Sex + Age + Body mass + Non helpers + Tarsus + TQ + Age x sex | 13 | 458.96 | 5.03 | 0.00 |
| Sex + Age + Non helpers + Tarsus + TQ + Age x non helpers + Age x tarsus + Age x TQ | 13 | 458.98 | 5.05 | 0.00 |
| Sex + Age + Body mass + Non helpers + Tarsus + TQ + Age x sex + Age x non helpers | 13 | 459.02 | 5.09 | 0.00 |
| Helpers + Sex + Age + Tarsus + TQ | 10 | 459.04 | 5.11 | 0.00 |
| Age + Body mass + Non helpers + TQ + Age x mass + Age x non helpers | 11 | 459.05 | 5.12 | 0.00 |
| Sex + Age + Body mass + Non helpers + Tarsus + TQ + Age x sex + Age x TQ | 13 | 459.05 | 5.12 | 0.00 |
| Helpers + Sex + Age + Non helpers + Tarsus + TQ + Age x non helpers + Age x tarsus | 13 | 459.06 | 5.13 | 0.00 |
| Sex + Age + Non helpers + Tarsus | 9 | 459.11 | 5.18 | 0.00 |
| Helpers + Sex + Age + Non helpers + Tarsus + TQ | 11 | 459.14 | 5.21 | 0.00 |
| Sex + Age + Non helpers + Tarsus + TQ + Age x non helpers | 11 | 459.17 | 5.24 | 0.00 |
| Helpers + Sex + Age + Tarsus + TQ + Age x helpers + Age x sex | 12 | 459.19 | 5.26 | 0.00 |
| Age + Body mass + Tarsus + Age x mass + Age x tarsus | 10 | 459.20 | 5.27 | 0.00 |
| Age + Body mass + Non helpers + Age x mass | 9 | 459.21 | 5.28 | 0.00 |
| Sex + Age + Tarsus + TQ + Age x TQ | 10 | 459.25 | 5.32 | 0.00 |
| Helpers + Age + Body mass + Tarsus + Age x tarsus | 10 | 459.26 | 5.33 | 0.00 |
| Helpers + Sex + Age + Body mass + Tarsus + TQ + Age x sex + Age x tarsus | 13 | 459.26 | 5.33 | 0.00 |
| Sex + Age + Body mass + Tarsus + TQ + Age x sex + Age x tarsus + Age x TQ | 13 | 459.28 | 5.35 | 0.00 |
| Sex + Age + Body mass + Age x mass | 9 | 459.28 | 5.36 | 0.00 |
| Helpers + Sex + Age + Tarsus + Age x sex | 10 | 459.29 | 5.36 | 0.00 |
| Helpers + Age + Tarsus + Age x helpers + Age x tarsus | 10 | 459.30 | 5.37 | 0.00 |
| Helpers + Sex + Age + Tarsus + TQ + Age x sex + Age x TQ | 12 | 459.31 | 5.38 | 0.00 |
| Sex + Age + Non helpers + Tarsus + TQ + Age x TQ | 11 | 459.32 | 5.39 | 0.00 |
| Sex + Age + Body mass + Tarsus + TQ + Age x sex + Age x mass + Age x tarsus | 13 | 459.36 | 5.43 | 0.00 |
| Age + Body mass + Tarsus + TQ + Age x mass + Age x tarsus + Age x TQ | 12 | 459.36 | 5.43 | 0.00 |
| Age + Non helpers + Tarsus + TQ | 9 | 459.37 | 5.44 | 0.00 |
| Age + Tarsus + TQ | 8 | 459.37 | 5.44 | 0.00 |
| Helpers + Age + Body mass + Tarsus + TQ + Age x mass + Age x tarsus | 12 | 459.38 | 5.45 | 0.00 |
| Helpers + Age + Body mass + Tarsus + TQ + Age x helpers + Age x tarsus | 12 | 459.40 | 5.47 | 0.00 |
| Helpers + Sex + Age + Body mass + TQ + Age x mass | 11 | 459.41 | 5.48 | 0.00 |
| Helpers + Age + Tarsus + TQ + Age x helpers + Age x tarsus + Age x TQ | 12 | 459.44 | 5.51 | 0.00 |
| Sex + Age + Body mass + TQ + Age x mass + Age x TQ | 11 | 459.50 | 5.57 | 0.00 |
| Sex + Age + Body mass + Age x sex | 9 | 459.51 | 5.58 | 0.00 |
| Helpers + Age + Body mass + Tarsus + TQ + Age x tarsus + Age x TQ | 12 | 459.59 | 5.66 | 0.00 |
| Helpers + Sex + Age + Non helpers + Tarsus + TQ + Age x helpers + Age x sex | 13 | 459.62 | 5.69 | 0.00 |
| Sex + Age + Body mass + Non helpers + Tarsus + Age x sex + Age x tarsus | 12 | 459.62 | 5.69 | 0.00 |
| Helpers + Sex + Age + Body mass + Tarsus + Age x tarsus | 11 | 459.64 | 5.71 | 0.00 |
| Helpers + Sex + Age + Non helpers + Tarsus + TQ + Age x sex + Age x non helpers | 13 | 459.67 | 5.74 | 0.00 |
| Helpers + Sex + Age + Tarsus + TQ + Age x helpers + Age x sex + Age x tarsus | 13 | 459.68 | 5.75 | 0.00 |
| Helpers + Sex + Age + Tarsus + Age x sex + Age x tarsus | 11 | 459.69 | 5.76 | 0.00 |
| Sex + Age + Body mass + Tarsus + Age x sex + Age x mass | 11 | 459.69 | 5.76 | 0.00 |
| Sex + Age + Body mass + Tarsus + Age x mass + Age x tarsus | 11 | 459.70 | 5.77 | 0.00 |
| Helpers + Sex + Age + Non helpers + Tarsus + TQ + Age x sex + Age x TQ | 13 | 459.73 | 5.80 | 0.00 |
| Sex + Age + Body mass + Tarsus | 9 | 459.74 | 5.81 | 0.00 |
| Helpers + Sex + Age + Tarsus + TQ + Age x sex + Age x tarsus + Age x TQ | 13 | 459.75 | 5.82 | 0.00 |
| Sex + Age + Non helpers + Tarsus + TQ + Age x sex + Age x non helpers + Age x TQ | 13 | 459.79 | 5.86 | 0.00 |
| Sex + Age + Body mass + Tarsus + Age x mass | 10 | 459.82 | 5.89 | 0.00 |
| Helpers + Sex + Age + Non helpers + Tarsus + Age x sex | 11 | 459.84 | 5.91 | 0.00 |
| Helpers + Sex + Age + Body mass + Tarsus + Age x sex | 11 | 459.85 | 5.92 | 0.00 |
| Helpers + Sex + Age + Body mass + Non helpers + TQ + Age x mass | 12 | 459.87 | 5.94 | 0.00 |
| Sex + Age + Body mass + Non helpers + Age x mass | 10 | 459.88 | 5.95 | 0.00 |
| Helpers + Age + Non helpers + Tarsus + TQ + Age x helpers + Age x tarsus + Age x TQ | 13 | 459.88 | 5.95 | 0.00 |
| Sex + Age + Body mass + Age x sex + Age x mass | 10 | 459.89 | 5.96 | 0.00 |
| Sex + Age + Non helpers + Tarsus + Age x sex + Age x non helpers | 11 | 459.90 | 5.97 | 0.00 |
| Helpers + Age + Non helpers + Tarsus + Age x helpers + Age x tarsus | 11 | 459.91 | 5.98 | 0.00 |
| Age + Body mass + Non helpers + Tarsus + TQ + Age x mass + Age x tarsus + Age x TQ | 13 | 459.91 | 5.98 | 0.00 |
| Sex + Age + Body mass + Non helpers + TQ + Age x mass + Age x TQ | 12 | 459.92 | 5.99 | 0.00 |
| Helpers + Sex + Age + Body mass + Tarsus + TQ + Age x sex + Age x mass | 13 | 459.92 | 5.99 | 0.00 |
| Sex + Age + Body mass + Non helpers + Tarsus + TQ + Age x sex + Age x tarsus + Age x TQ | 14 | 459.93 | 6.00 | 0.00 |

**Table S2** Model selection table for analysis of factors affecting RTL in Seychelles warbler nestlings, using longitudinal data. Only models that remained in the top model set for model averaging (AICc 6 compared to the top model) are included here. TQ = territory quality.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model | df | AICc | Delta AICc | Weight |
| Null model | 4 | 128.79 | 0.00 | 0.06 |
| Sex | 5 | 129.06 | 0.27 | 0.05 |
| Non helpers | 5 | 129.18 | 0.40 | 0.05 |
| Sex + Non helpers | 6 | 129.41 | 0.62 | 0.04 |
| Body mass | 5 | 129.52 | 0.73 | 0.04 |
| Body mass + Non helpers | 6 | 130.42 | 1.63 | 0.03 |
| Tarsus | 5 | 130.47 | 1.68 | 0.03 |
| Helpers | 5 | 130.72 | 1.93 | 0.02 |
| Age | 5 | 130.73 | 1.94 | 0.02 |
| Sex + Age | 6 | 130.80 | 2.01 | 0.02 |
| TQ | 5 | 130.91 | 2.12 | 0.02 |
| Sex + Body mass | 6 | 130.92 | 2.13 | 0.02 |
| Non helpers + Tarsus | 6 | 131.04 | 2.25 | 0.02 |
| Helpers + Sex | 6 | 131.06 | 2.28 | 0.02 |
| Sex + TQ | 6 | 131.22 | 2.43 | 0.02 |
| Helpers + Non helpers | 6 | 131.23 | 2.44 | 0.02 |
| Sex + Tarsus | 6 | 131.29 | 2.50 | 0.02 |
| Age + Non helpers | 6 | 131.40 | 2.61 | 0.02 |
| Non helpers + TQ | 6 | 131.41 | 2.62 | 0.02 |
| Helpers + Sex + Non helpers | 7 | 131.52 | 2.73 | 0.02 |
| Helpers + Body mass | 6 | 131.55 | 2.76 | 0.01 |
| Sex + Age + Non helpers | 7 | 131.56 | 2.77 | 0.01 |
| Sex + Body mass + Non helpers | 7 | 131.58 | 2.79 | 0.01 |
| Age + Body mass | 6 | 131.58 | 2.79 | 0.01 |
| Sex + Non helpers + Tarsus | 7 | 131.61 | 2.82 | 0.01 |
| Body mass + TQ | 6 | 131.64 | 2.85 | 0.01 |
| Sex + Non helpers + TQ | 7 | 131.69 | 2.90 | 0.01 |
| Body mass + Tarsus | 6 | 131.72 | 2.93 | 0.01 |
| Age + Tarsus | 6 | 132.10 | 3.31 | 0.01 |
| Helpers + Tarsus | 6 | 132.43 | 3.64 | 0.01 |
| Helpers + Body mass + Non helpers | 7 | 132.54 | 3.75 | 0.01 |
| Helpers + Age | 6 | 132.59 | 3.80 | 0.01 |
| Tarsus + TQ | 6 | 132.61 | 3.82 | 0.01 |
| Body mass + Non helpers + Tarsus | 7 | 132.67 | 3.88 | 0.01 |
| Body mass + Non helpers + TQ | 7 | 132.68 | 3.89 | 0.01 |
| Sex + Age + Age x sex | 7 | 132.68 | 3.89 | 0.01 |
| Helpers + Sex + Age | 7 | 132.69 | 3.90 | 0.01 |
| Age + Body mass + Non helpers | 7 | 132.70 | 3.91 | 0.01 |
| Sex + Age + Body mass | 7 | 132.82 | 4.03 | 0.01 |
| Helpers + TQ | 6 | 132.83 | 4.04 | 0.01 |
| Age + TQ | 6 | 132.93 | 4.14 | 0.01 |
| Helpers + Sex + Body mass | 7 | 132.99 | 4.20 | 0.01 |
| Sex + Age + TQ | 7 | 133.05 | 4.26 | 0.01 |
| Sex + Body mass + TQ | 7 | 133.10 | 4.31 | 0.01 |
| Sex + Age + Tarsus | 7 | 133.10 | 4.31 | 0.01 |
| Helpers + Non helpers + Tarsus | 7 | 133.11 | 4.32 | 0.01 |
| Sex + Body mass + Tarsus | 7 | 133.14 | 4.35 | 0.01 |
| Age + Non helpers + Tarsus | 7 | 133.15 | 4.36 | 0.01 |
| Helpers + Sex + TQ | 7 | 133.22 | 4.43 | 0.01 |
| Non helpers + Tarsus + TQ | 7 | 133.30 | 4.51 | 0.01 |
| Helpers + Sex + Tarsus | 7 | 133.35 | 4.56 | 0.01 |
| Sex + Age + Non helpers + Age x sex | 8 | 133.36 | 4.57 | 0.01 |
| Helpers + Age + Non helpers | 7 | 133.44 | 4.65 | 0.01 |
| Helpers + Non helpers + TQ | 7 | 133.47 | 4.68 | 0.01 |
| Age + Non helpers + Age x non helpers | 7 | 133.50 | 4.71 | 0.01 |
| Sex + Tarsus + TQ | 7 | 133.50 | 4.72 | 0.01 |
| Age + Body mass + Age x mass | 7 | 133.54 | 4.75 | 0.01 |
| Helpers + Age + Body mass | 7 | 133.56 | 4.77 | 0.01 |
| Helpers + Age + Age x helpers | 7 | 133.60 | 4.81 | 0.01 |
| Helpers + Sex + Age + Non helpers | 8 | 133.63 | 4.84 | 0.01 |
| Helpers + Body mass + TQ | 7 | 133.65 | 4.86 | 0.01 |
| Age + Non helpers + TQ | 7 | 133.69 | 4.90 | 0.01 |
| Age + Body mass + Tarsus | 7 | 133.69 | 4.90 | 0.01 |
| Helpers + Sex + Body mass + Non helpers | 8 | 133.75 | 4.96 | 0.00 |
| Helpers + Body mass + Tarsus | 7 | 133.78 | 4.99 | 0.00 |
| Age + Body mass + TQ | 7 | 133.79 | 5.00 | 0.00 |
| Helpers + Sex + Non helpers + Tarsus | 8 | 133.79 | 5.00 | 0.00 |
| Sex + Body mass + Non helpers + Tarsus | 8 | 133.79 | 5.00 | 0.00 |
| Sex + Age + Non helpers + Age x non helpers | 8 | 133.81 | 5.02 | 0.00 |
| Sex + Age + Body mass + Non helpers | 8 | 133.81 | 5.02 | 0.00 |
| Helpers + Sex + Non helpers + TQ | 8 | 133.82 | 5.03 | 0.00 |
| Helpers + Age + Tarsus | 7 | 133.87 | 5.08 | 0.00 |
| Sex + Age + Non helpers + Tarsus | 8 | 133.88 | 5.09 | 0.00 |
| Body mass + Tarsus + TQ | 7 | 133.88 | 5.09 | 0.00 |
| Sex + Age + Non helpers + TQ | 8 | 133.90 | 5.11 | 0.00 |
| Sex + Body mass + Non helpers + TQ | 8 | 133.90 | 5.11 | 0.00 |
| Helpers + Sex + Age + Age x helpers | 8 | 133.92 | 5.13 | 0.00 |
| Sex + Non helpers + Tarsus + TQ | 8 | 133.95 | 5.16 | 0.00 |
| Helpers + Age + Non helpers + Age x helpers | 8 | 133.95 | 5.16 | 0.00 |
| Age + Tarsus + Age x tarsus | 7 | 134.22 | 5.43 | 0.00 |
| Age + Tarsus + TQ | 7 | 134.34 | 5.55 | 0.00 |
| Helpers + Sex + Age + Non helpers + Age x helpers | 9 | 134.41 | 5.62 | 0.00 |
| Helpers + Tarsus + TQ | 7 | 134.55 | 5.76 | 0.00 |
| Helpers + Sex + Age + Age x sex | 8 | 134.65 | 5.86 | 0.00 |
| Sex + Age + Body mass + Age x sex | 8 | 134.75 | 5.96 | 0.00 |
| Sex + Age + Body mass + Age x mass | 8 | 134.78 | 5.99 | 0.00 |
| Helpers + Age + TQ | 7 | 134.78 | 5.99 | 0.00 |

**Figure S1** RTL in relation to the time between sampling events. Lines and shaded areas represent fitted values and 95% confidence limits from general linear models. See also Figure 4, main text.

