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

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model | df | AICc | Delta AICc | Weight |
| Helpers + Tarsus | 4 | 232.79 | 0.00 | 0.29 |
| Helpers + Tarsus + TQ | 5 | 233.10 | 0.31 | 0.25 |
| Helpers + Tarsus + Sex | 5 | 234.87 | 2.08 | 0.10 |
| Helpers + Non helpers + Tarsus | 5 | 235.07 | 2.28 | 0.09 |
| Helpers + Tarsus + TQ + Sex | 6 | 235.20 | 2.41 | 0.09 |
| Helpers + Non helpers + Tarsus + TQ | 6 | 235.43 | 2.64 | 0.08 |
| Helpers + Non helpers + Tarsus + Sex | 6 | 237.22 | 4.43 | 0.03 |
| Tarsus + TQ | 4 | 237.49 | 4.70 | 0.03 |
| Helpers + Non helpers + Tarsus + TQ + Sex | 7 | 237.61 | 4.82 | 0.03 |

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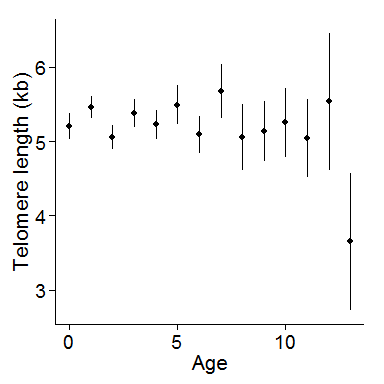
**Table S2** Model selection table for analysis of factors affecting early life telomere length in Seychelles warbler fledglings. Only models that remained in the top model set for model averaging (AICc 6 compared to the top model) are included here.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model | df | AICc | Delta AICc | Weight |
| Null model | 2 | 183.37 | 0.00 | 0.18 |
| Helpers | 3 | 184.88 | 1.51 | 0.08 |
| Non helpers | 3 | 184.91 | 1.54 | 0.08 |
| Sex | 3 | 185.00 | 1.62 | 0.08 |
| TQ | 3 | 185.52 | 2.14 | 0.06 |
| Tarsus | 3 | 185.55 | 2.17 | 0.06 |
| Tarsus + Sex | 4 | 186.00 | 2.62 | 0.05 |
| Non helpers + Sex | 4 | 186.39 | 3.02 | 0.04 |
| Helpers + Non helpers | 4 | 186.45 | 3.08 | 0.04 |
| Helpers + Sex | 4 | 186.65 | 3.27 | 0.03 |
| Helpers + TQ | 4 | 187.02 | 3.65 | 0.03 |
| Helpers + Tarsus | 4 | 187.11 | 3.74 | 0.03 |
| Non helpers + TQ | 4 | 187.12 | 3.74 | 0.03 |
| Non helpers + Tarsus | 4 | 187.13 | 3.75 | 0.03 |
| TQ + Sex | 4 | 187.22 | 3.85 | 0.03 |
| Non helpers + Tarsus + Sex | 5 | 187.74 | 4.36 | 0.02 |
| Tarsus + TQ | 4 | 187.75 | 4.38 | 0.02 |
| Helpers + Tarsus + Sex | 5 | 187.77 | 4.39 | 0.02 |
| Helpers + Non helpers + Sex | 5 | 188.10 | 4.72 | 0.02 |
| Tarsus + TQ + Sex | 5 | 188.30 | 4.93 | 0.02 |
| Helpers + Non helpers + TQ | 5 | 188.66 | 5.28 | 0.01 |
| Non helpers + TQ + Sex | 5 | 188.69 | 5.31 | 0.01 |
| Helpers + Non helpers + Tarsus | 5 | 188.74 | 5.37 | 0.01 |
| Helpers + TQ + Sex | 5 | 188.89 | 5.52 | 0.01 |
| Helpers + Tarsus + TQ | 5 | 189.32 | 5.95 | 0.01 |

**Table S3** Model selection table for analysis of factors affecting early life telomere length in Seychelles warbler sub-adults Only models that remained in the top model set for model averaging (AICc 6 compared to the top model) are included here.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Model | df | AICc | Delta AICc | Weight |
| TQ | 3 | 250.55 | 0.00 | 0.13 |
| Non helpers + TQ | 4 | 251.30 | 0.75 | 0.09 |
| Null model | 2 | 251.36 | 0.81 | 0.09 |
| Helpers + TQ | 4 | 251.58 | 1.02 | 0.08 |
| Non helpers | 3 | 251.90 | 1.35 | 0.07 |
| Tarsus + TQ | 4 | 252.70 | 2.15 | 0.04 |
| TQ + Sex | 4 | 252.73 | 2.17 | 0.04 |
| Helpers | 3 | 252.73 | 2.17 | 0.04 |
| Helpers + Non helpers + TQ | 5 | 252.91 | 2.36 | 0.04 |
| Non helpers + Tarsus + TQ | 5 | 253.30 | 2.75 | 0.03 |
| Tarsus | 3 | 253.44 | 2.88 | 0.03 |
| Sex | 3 | 253.50 | 2.94 | 0.03 |
| Non helpers + TQ + Sex | 5 | 253.53 | 2.97 | 0.03 |
| Helpers + Tarsus + TQ | 5 | 253.59 | 3.03 | 0.03 |
| Helpers + Non helpers | 4 | 253.76 | 3.21 | 0.03 |
| Non helpers + Tarsus | 4 | 253.78 | 3.23 | 0.03 |
| Helpers + TQ + Sex | 5 | 253.81 | 3.26 | 0.03 |
| Non helpers + Sex | 4 | 254.05 | 3.50 | 0.02 |
| Helpers + Tarsus | 4 | 254.68 | 4.12 | 0.02 |
| Helpers + Non helpers + Tarsus + TQ | 6 | 254.77 | 4.22 | 0.02 |
| Tarsus + TQ + Sex | 5 | 254.83 | 4.27 | 0.02 |
| Helpers + Sex | 4 | 254.91 | 4.36 | 0.01 |
| Helpers + Non helpers + TQ + Sex | 6 | 255.17 | 4.62 | 0.01 |
| Non helpers + Tarsus + TQ + Sex | 6 | 255.52 | 4.97 | 0.01 |
| Helpers + Non helpers + Tarsus | 5 | 255.53 | 4.97 | 0.01 |
| Tarsus + Sex | 4 | 255.53 | 4.98 | 0.01 |
| Helpers + Tarsus + TQ + Sex | 6 | 255.71 | 5.15 | 0.01 |
| Helpers + Non helpers + Sex | 5 | 255.94 | 5.39 | 0.01 |
| Non helpers + Tarsus + Sex | 5 | 255.97 | 5.41 | 0.01 |

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**Figure S1** Cross-sectional telomere length (mean s.e.) in relation to age in Seychelles warblers.

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