

| <b>Figures per</b> |                                                                                                          |                         |
|--------------------|----------------------------------------------------------------------------------------------------------|-------------------------|
| <b>model</b>       | <b>Figure formula</b>                                                                                    | <b><math>r^2</math></b> |
| <b>Model I</b>     |                                                                                                          |                         |
| Fig. 3a            | $\log_{10}(\text{home range}) = (-0.9856 \times \log_{10}(\text{spring subpopulation density}) + 0.5169$ | 0.38                    |
| Fig. 4a            | $\log_{10}(\text{home range}) = (0.0025 \times \text{mass}) + 1.8405$                                    | 0.11                    |
| <b>Model II</b>    |                                                                                                          |                         |
| Fig. 3b            | $\log_{10}(\text{home range}) = (-0.6687 \times \log_{10}(\text{autumn subpopulation density}) + 1.1411$ | 0.2                     |
| Fig. 4b            | $\log_{10}(\text{home range}) = (0.0025 \times \text{mass}) + 1.8577$                                    | 0.12                    |
| <b>Model III</b>   |                                                                                                          |                         |
| Fig. 3c            | $\log_{10}(\text{home range}) = (-0.5053 \times \log_{10}(\text{autumn subpopulation density}) + 1.1672$ | 0.08                    |
| Fig. 4c            | $\log_{10}(\text{home range}) = (0.0025 \times \text{mass}) + 1.846$                                     | 0.12                    |