S1 Table. Model comparison results for binomial generalized linear models for prevalence of *Plasmodium*, *Leucocytozoon*, and *Parahaemoproteus* parasites in golden-winged warblers across six study areas.

|  |  |  |
| --- | --- | --- |
| Parasite Genus | Model Parameters – Fixed Effects | AIC |
| *Plasmodium* | Study Area, Year, and Sex | 128.27 |
| *Plasmodium* | Study Area, Year | 128.49 |
| *Plasmodium* | Study Area, Sex | 126.31 |
| *Plasmodium* | Study Area | 126.56 |
| *Leucocytozoon* | Study Area, Year, and Sex | 227.29 |
| *Leucocytozoon* | Study Area, Year | 225.71 |
| *Leucocytozoon* | Study Area, Sex | 225.88 |
| *Leucocytozoon* | Study Area | 224.31 |
| *Parahaemoproteus* | Study Area, Year, and Sex | 202.79 |
| *Parahaemoproteus* | Study Area, Year | 200.81 |
| *Parahaemoproteus* | Study Area, Sex | 200.89 |
| *Parahaemoproteus* | Study Area | 198.91 |
| Total Infection | Study Area, Year, and Sex | 306.98 |
| Total Infection | Study Area, Year | 304.99 |
| Total Infection | Study Area, Sex | 305.49 |
| Total Infection | Study Area | 303.50 |