**Table S1.** Model selection outputs from Cox proportional hazards models of shark detection probability. Data were censored to the last day of acoustic receiver deployment

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| --- | --- | --- |
| **Model** | **df** | **AIC** |
| Detected ~ species + mindistkm + TLm + sex | 4 | 255.558 |
| Detected ~ species + mindistkm + TLm | 3 | 253.7259 |
| Detected ~ species + mindistkm | 2 | 251.837 |
| Detected ~ species | 1 | 249.8935 |