**Table S3**. Best models for effective width (EW), based on values of the Akaike information criterion (AIC), Density of individuals analytic coefficient of variation (DCV), Encounter rate Coefficient of variation (Er CV) and the value of the GOF Chi-p.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Model | Function | EW (m) | AIC | DCV | Er CV | GOF Chi-p |
| Cracidae | hazard-rate | simple polynomial | 38 | 632.47 | 0.16 | 0.12 | 0.98 |
| Dasyproctidae | half-normal | hermite polynomial | 20 | 1986.21 | 0.1 | 0.10 | 0.74 |
| Procyonidae | half-normal | hermite polynomial | 27 | 226.92 | 0.32 | 0.29 | 0.93 |
| Primates | hazard-rate | simple polynomial | 50 | 1092.65 | 0.13 | 0.09 | 0.72 |
| Psophidae | hazard-rate | simple polynomial | 25 | 208.21 | 0.22 | 0.16 | 0.98 |
| Tinamidae | half-normal | cosine | 30 | 432.75 | 0.15 | 0.13 | 0.65 |
| Atelidae | half-normal | cosine | 50 | 222.7 | 0.21 | 0.15 | 0.57 |
| Cervidae | half-normal | cosine | 30 | 553.11 | 0.16 | 0.12 | 0.99 |
| Tayassuidae | half-normal | hermite polynomial | 25 | 94.86 | 0.26 | 0.20 | 0.55 |

Text summary:

The table includes the best fit models for effective width (EW) of the transect for nine analyzed taxa, selected with base on the lowest values of the Akaike information criterion (AIC), Density of individuals analytic coefficient of variation (DCV), Encounter rate Coefficient of variation (Er CV) and the value of the GOF Chi-p., using the *Distance* 4.1 software.