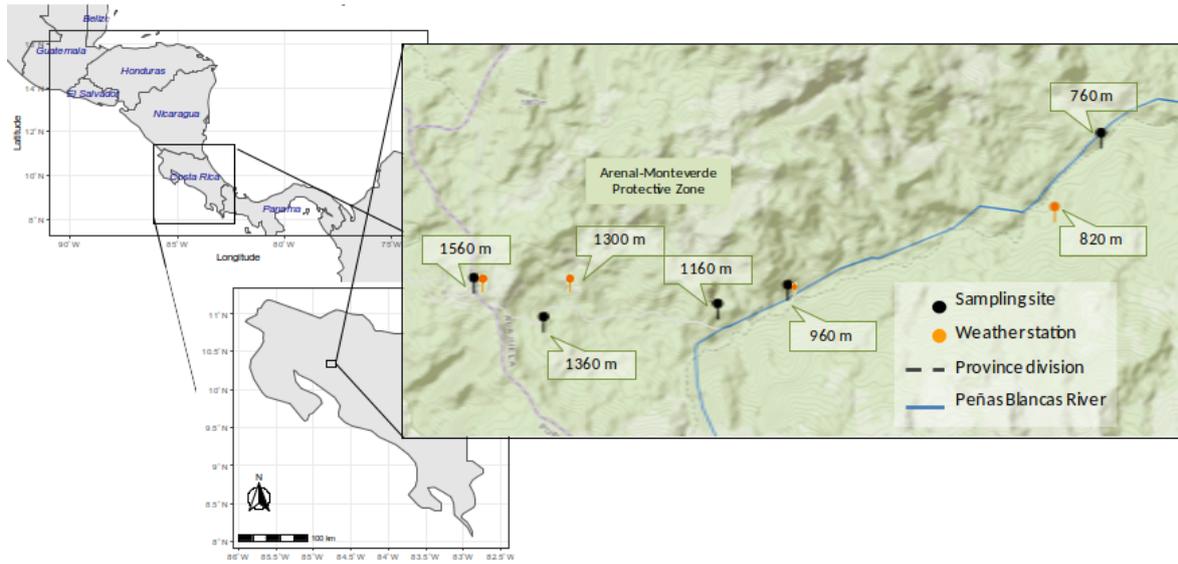


**Supplementary Information**

**Diversity and activity patterns of aerial insectivorous bats along an altitudinal gradient in a tropical forest in Costa Rica**

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**Figure S1:** Map showing the geographic situation of Costa Rica and the relief map of the study area with locations of sampling sites and weather stations

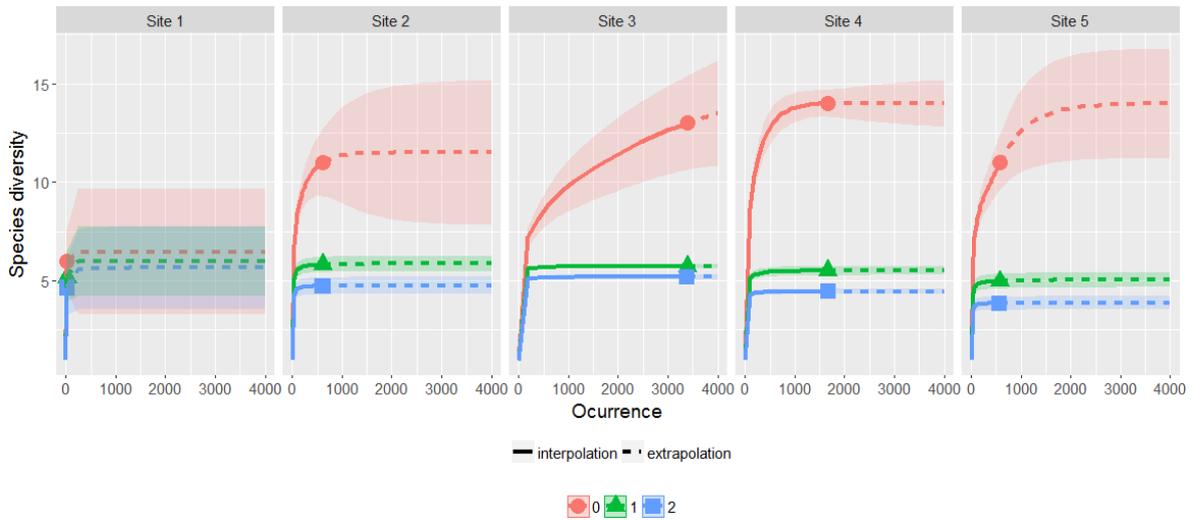


**Supplementary Information**

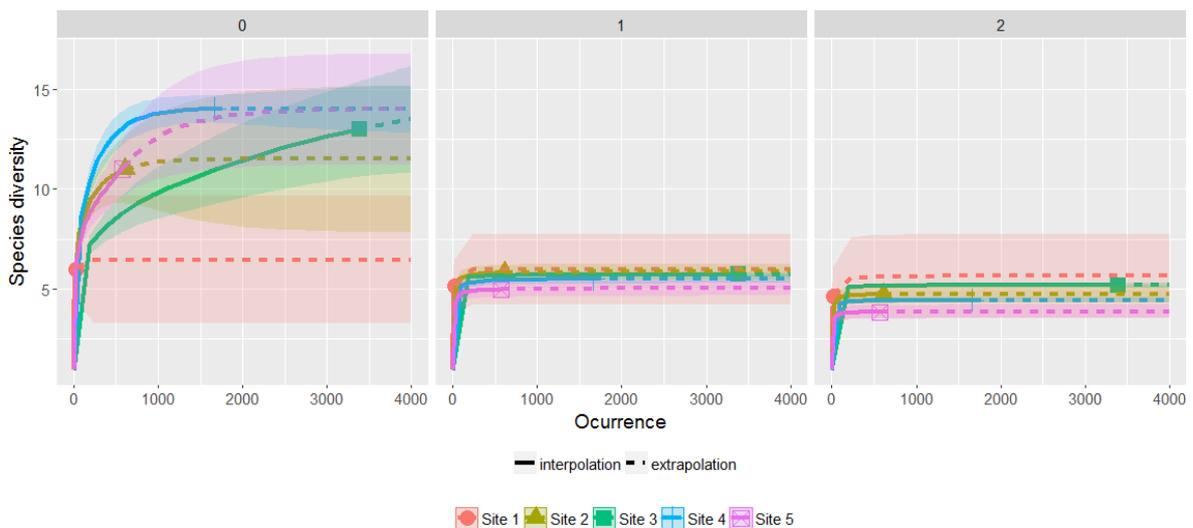
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**Figure S2:** Comparison of sample-size-based rarefaction (solid lines) and extrapolation (dashed lines) curves of insectivorous bat species diversity



(a) Hill numbers ( $q = 0, 1, 2$ ) for each of the five elevations along a transect of tropical forest in Costa Rica. The 95% confidence intervals (shaded regions) were obtained by a bootstrap method based on 200 replications. Reference samples are denoted by solid symbols. The numbers in parentheses are the sample size and the observed Hill numbers for each reference sample



(b) Hill numbers  $q=0$  (left panel),  $q=1$  (middle panel), and  $q=2$  (right panel). The 95% confidence intervals were obtained by a bootstrap method based on 200 replications. Reference samples are denoted by solid symbols. The numbers in parentheses are the sample size and the observed Hill numbers for each reference sample. Site 1: 1560 m; 2: 1360 m; 3: 1160 m; 4: 960 m; 5: 760 m

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**Figure S3:** Comparison of the coverage-based rarefaction (solid lines) and extrapolation (dashed lines), for insectivorous bat species diversity samples using Hill numbers of order  $q=0$  (left panel),  $q=1$  (middle panel), and  $q=2$  (right panel), with 95% confidence intervals based on 200 bootstrap replications. Reference samples in each plot are denoted by solid dots. The numbers in parentheses are the sample coverage and the observed Hill numbers for each reference sample

