

SUPPLEMENTARY MATERIAL

Table S1. Characterization of the permanent plots included in this study in La Mucuy and San Eusebio in the Cordillera de Merida, Venezuela. Average soil pH and total carbon are based on soil cores (n=9 in La Mucuy; n=5 in San Eusebio) in the A horizon (0-10 cm in La Mucuy, 0-30 cm in San Eusebio). Average annual temperatures correspond to field measurements inside the forest canopy taken during 2017 (every hour for 1 year) at 1.5 m above the ground with HOBO TidbiT v2 sensors protected from direct radiation.

Tabla S1. Caracterización de las parcelas permanentes incluidas en este estudio en La Mucuy y San Eusebio en la Cordillera de Mérida, Venezuela. El pH promedio del suelo y el carbono total se basan en muestras de suelo (n=9 en La Mucuy; n=5 en San Eusebio) en el horizonte A (0-10 cm en La Mucuy, 0-30 cm en San Eusebio). Las temperaturas medias anuales corresponden a mediciones de campo dentro del dosel tomadas durante 2017 (cada hora durante 1 año) a 1.5 m del suelo con sensores HOBO TidbiT v2 protegidos de la radiación directa.

| Variable | La Mucuy | | | San Eusebio | | |
|--|----------|--------|--------|-------------|--------|----------|
| | MUC-01 | MUC-02 | MUC-03 | SEU-01 | SEU-02 | SEU-03 |
| Plot Dimensions (m) | 60x60 | 60x60 | 60x60 | 50x100 | 50x100 | 50x100 |
| Plot area (m ²) | 3600 | 3600 | 3600 | 5000 | 5000 | 5000 |
| Elevation (m a. s. l.) | 2300 | 2500 | 2700 | 2315 | 2371 | 2451 |
| Latitud (°) | 8.6282 | 8.6256 | 8.6267 | 8.658533 | 8.6412 | 8.641117 |
| Longitude (°) | -71.03 | -71.04 | -71.03 | -71.40 | -71.41 | -71.40 |
| Average slope (%) | 25 | 15 | 20 | 12 | 5 | 3 |
| Average annual temperature (°C) | 13.86 | 13.04 | 11.98 | 13.84 | 14.36 | 12.68 |
| Soil pH | 3.94 | 3.87 | 3.76 | 3.86 | 3.88 | 3.85 |
| Total C (%) | 9.92 | 9.26 | 9.50 | 9.16 | 10.43 | 7.78 |
| Total individuals ≥10 cm alive in 2016 | 324 | 327 | 320 | 567 | 355 | 432 |
| Total individuals ≥10 cm alive in 2022 | 351 | 311 | 345 | 604 | 361 | 478 |

Table S2. Total number of species in each plot for 2016 and 2022. We also present the estimated richness based on individual rarefaction curves (Number spp. raref), and the Shannon (H') and Simpson (Ds) diversity indexes (based on the total basal area for each species).

Tabla S2. Número total de especies en cada parcela para 2016 y 2022. También se presenta la riqueza estimada basada en curvas de rarefacción individuales (Number spp. raref), y los índices de diversidad de Shannon (H') y Simpson (Ds) (basados en el área basal total para cada especie).

| Study site | Plot | Year | Number of spp. | Number of spp. (raref) | H' | Ds |
|-------------|--------|------|----------------|------------------------|------|-------|
| La Mucuy | MUC-01 | 2016 | 38 | 38 | 2.97 | 0.922 |
| | | 2022 | 38 | 37 | 2.94 | 0.922 |
| | MUC-02 | 2016 | 39 | 38 | 2.85 | 0.907 |
| | | 2022 | 38 | 38 | 2.93 | 0.918 |
| | MUC-03 | 2016 | 38 | 38 | 2.98 | 0.923 |
| | | 2022 | 38 | 37 | 2.91 | 0.914 |
| San Eusebio | SEU-01 | 2016 | 38 | 33 | 2.77 | 0.901 |
| | | 2022 | 41 | 34 | 2.85 | 0.906 |
| | SEU-02 | 2016 | 47 | 45 | 3.11 | 0.935 |
| | | 2022 | 46 | 44 | 3.07 | 0.932 |
| | SEU-03 | 2016 | 43 | 39 | 3.07 | 0.936 |
| | | 2022 | 45 | 40 | 3.10 | 0.936 |

Table S3. Species list for the study plots in La Mucuy and San Eusebio (Venezuela) indicating the family, genera, species, biogeographic origin, dispersal syndrome and the species abbreviation (abbv.) used in the multivariate analysis shown in Figure 3. The 'x' symbol means that the species is present at that plot.

Tabla S3. Lista de especies para las parcelas de estudio en La Mucuy y San Eusebio (Venezuela) indicando la familia, género, especie, origen biogeográfico, síndrome de dispersión y la abreviatura de la especie (Abbv.) utilizada en el análisis multivariado mostrado en la Figura 3. El símbolo 'x' significa que la especie está presente en esa parcela.

| Family | Species | Genus biogeographic origin | Dispersal syndrome | Species abbv. | MUC- 01 | MUC- 02 | MUC- 03 | SEU- 01 | SEU- 02 | SEU- 03 |
|-----------------|---------------------------------|----------------------------------|-----------------------|------------------|------------|------------|------------|------------|------------|------------|
| Lauraceae | <i>Aiouea dubia</i> | Neotropical | Zoochory | Aio dub | | | x | x | x | x |
| Lauraceae | <i>Aiouea laevis</i> | Neotropical | Zoochory | Aio lae | | | | x | | |
| Euphorbiaceae | <i>Alchornea grandiflora</i> | Pantropical | Zoochory | Alc gra | x | x | | x | x | x |
| Cyatheaceae | <i>Alsophila engelii</i> | Pantropical | Hydrochory | Als eng | x | x | x | | | |
| Lauraceae | <i>Aniba cinnamomiflora</i> | Neotropical | Zoochory | Ani cin | x | | | | | |
| Lauraceae | <i>Aniba robusta</i> | Neotropical | Zoochory | Ani rob | | | | x | x | x |
| Melastomataceae | <i>Axinaea grandifolia</i> | Neotropical | Barochory | Axi gra | x | x | x | | | |
| Lauraceae | <i>Beilschmiedia latifolia</i> | Neotropical | Zoochory | Bei lat | x | | x | x | x | x |
| Lauraceae | <i>Beilschmiedia towarensis</i> | Neotropical | Zoochory | Bei tov | x | x | x | x | x | |
| Sapindaceae | <i>Billia rosea</i> | Neotropical | Barochory | Bil ros | x | x | x | x | x | x |
| Salicaceae | <i>Casearia tachirensis</i> | Pantropical | Zoochory | Cae tac | | | | | x | |
| Celastraceae | <i>Celastrus racemosus</i> | Pantropical | Zoochory | Cel rac | x | | | | | |
| Melastomataceae | <i>Centronia pulchra</i> | Neotropical | Barochory | Cen pul | | | | x | x | x |
| Solanaceae | <i>Cestrum lindenii</i> | Pantropical | Zoochory | Ces lin | | x | | | | |
| Rubiaceae | <i>Cinchona pubescens</i> | Neotropical | Anemochory | Cin pub | | | | x | | |
| Lauraceae | <i>Cinnamomum triplinerve</i> | Pantropical | Zoochory | Cin tri | | | | x | x | x |
| Clethraceae | <i>Clethra fagifolia</i> | Pantropical | Anemochory | Cle fag | x | x | x | x | x | x |
| Clusiaceae | <i>Clusia colombiana</i> | Neotropical | Zoochory | Clu col | | | | | | x |
| Clusiaceae | <i>Clusia multiflora</i> | Neotropical | Zoochory | Clu mul | x | x | | x | x | x |
| Clusiaceae | <i>Clusia sp.</i> | Neotropical | Zoochory | Clu sp. | x | x | x | | | |
| Cyatheaceae | <i>Cyathea parvifolia</i> | Pantropical | Hydrochory | Cya par | x | x | x | | | |

| Family | Species | Genus | | Species abbv. | MUC- | | | SEU- | | SEU-03 |
|-----------------|---------------------------------------|----------------------|--------------------|---------------|------|--------|----|--------|----|--------|
| | | biogeographic origin | Dispersal syndrome | | 01 | MUC-02 | 03 | SEU-01 | 02 | |
| Cyatheaceae | <i>Cyathea pauciflora</i> | Pantropical | Hydrochory | Cya pau | | | | x | x | x |
| Araliaceae | <i>Dendropanax fendleri</i> | Pantropical | Zoochory | Den fen | | | | x | x | x |
| Araliaceae | <i>Dendropanax veillonii</i> | Pantropical | Zoochory | Den vei | | | | | x | |
| Fabaceae | <i>Dussia coriacea</i> | Neotropical | Barochory | Dus cor | | x | | | | |
| Lecythidaceae | <i>Eschweilera tenax</i> | Neotropical | Barochory | Esc ten | | | | x | | |
| Myrtaceae | <i>Eugenia tamaensis</i> | Pantropical | Zoochory | Eug tam | x | x | x | x | x | x |
| Rubiaceae | <i>Faramea flavicans</i> | Neotropical | Zoochory | Far fla | | x | x | | | |
| Moraceae | <i>Ficus tonduzii</i> | Pantropical | Zoochory | Fic ton | | | | x | | |
| Moraceae | <i>Ficus velutina</i> | Pantropical | Zoochory | Fic vel | | | | x | x | |
| Primulaceae | <i>Geissanthus floribundus</i> | Neotropical | Zoochory | Gei flo | x | | x | | | |
| Primulaceae | <i>Geissanthus fragrans</i> | Neotropical | Zoochory | Gei fra | | | | x | x | x |
| Theaceae | <i>Gordonia fruticosa</i> | Pantropical | Zoochory | Gor fru | x | x | x | | x | |
| Melastomataceae | <i>Graffenrieda latifolia</i> | Neotropical | Barochory | Gra lat | | | | x | x | x |
| Rubiaceae | <i>Guettarda crispiflora</i> | Neotropical | Zoochory | Gue cri | x | x | x | | x | x |
| Chlorantaceae | <i>Hedyosmum racemosum</i> | Pantropical | Zoochory | Hed rac | x | x | x | x | x | x |
| Phyllanthaceae | <i>Hieronyma fendleri</i> | Neotropical | Zoochory | Hie fen | | | | x | x | x |
| Phyllanthaceae | <i>Hieronyma oblonga</i> | Neotropical | Zoochory | Hie obl | x | x | x | x | x | x |
| Aquifoliaceae | <i>Ilex laurina</i> | Pantropical | Zoochory | Ile lau | | | | | x | x |
| Verbenaceae | <i>Lippia hirsuta</i> | Pantropical | Zoochory | Lip hir | | | x | | | |
| Sabiaceae | <i>Meliosma herbertii</i> | Holarctic | Zoochory | Mel her | | | x | x | x | |
| Sabiaceae | <i>Meliosma pittieriana</i> | Holarctic | Zoochory | Mel pit | | x | x | | | |
| Melastomataceae | <i>Meriania brachycera</i> | Neotropical | Barochory | Mer bra | | | x | x | x | x |
| Melastomataceae | <i>Meriania</i> sp. | Neotropical | Barochory | Mer sp. | | | | | x | |
| Melastomataceae | <i>Miconia</i> aff. <i>dodecandra</i> | Neotropical | Zoochory | Mic dod | x | x | x | | | |
| Melastomataceae | <i>Miconia</i> cf. <i>tovarensis</i> | Neotropical | Barochory | Mic tov | x | | | | | |
| Melastomataceae | <i>Miconia meridensis</i> | Neotropical | Zoochory | Mic mer | | x | | | | |
| Melastomataceae | <i>Miconia mesmeana</i> | Neotropical | Zoochory | Mic mes | | x | | | | |
| Melastomataceae | <i>Miconia minutiflora</i> | Neotropical | Zoochory | Mic min | | | x | | | |

| Family | Species | Genus | | Species abbv. | MUC- | | | SEU- | | SEU-03 |
|-----------------|--------------------------------|----------------------|--------------------|---------------|------|--------|----|--------|----|--------|
| | | biogeographic origin | Dispersal syndrome | | 01 | MUC-02 | 03 | SEU-01 | 02 | |
| Melastomataceae | <i>Miconia</i> sp. | Neotropical | Zoochory | Mic sp. | | | | | | x |
| Melastomataceae | <i>Miconia tabayensis</i> | Neotropical | Zoochory | Mic tab | | | x | | | |
| Melastomataceae | <i>Miconia theizans</i> | Neotropical | Zoochory | Mic the | | | | | x | x |
| Melastomataceae | <i>Miconia tinifolia</i> | Neotropical | Zoochory | Mic tin | x | | | | x | |
| Myrtaceae | <i>Myrcia</i> sp. | Neotropical | Zoochory | Myr sp. | | | | x | x | x |
| Myrtaceae | <i>Myrcia splendens</i> | Neotropical | Zoochory | Myr spl | x | x | x | x | x | x |
| Myrtaceae | <i>Myrcianthes karsteniana</i> | Neotropical | Zoochory | Myr kar | | | | | x | |
| Myrtaceae | <i>Myrcianthes rhopaloides</i> | Neotropical | Zoochory | Myr rho | | | | | | x |
| Primulaceae | <i>Myrsine coriacea</i> | Pantropical | Zoochory | Myr cor | x | x | x | | | |
| Lauraceae | <i>Nectandra laurel</i> | Neotropical | Zoochory | Nec lau | | | | x | | x |
| Lauraceae | <i>Nectandra reticulata</i> | Neotropical | Zoochory | Nec ret | x | x | | | | |
| Lauraceae | <i>Nectandra</i> sp. | Neotropical | Zoochory | Nec sp. | | | | x | x | |
| Lauraceae | <i>Ocotea aciphylla</i> | Pantropical | Zoochory | Oco aci | x | | x | | | |
| Lauraceae | <i>Ocotea aff. floribunda</i> | Pantropical | Zoochory | Oco flo | | | | x | | |
| Lauraceae | <i>Ocotea babosa</i> | Pantropical | Zoochory | Oco bab | | | | x | | |
| Lauraceae | <i>Ocotea calophylla</i> | Pantropical | Zoochory | Oco cal | | | x | | | |
| Lauraceae | <i>Ocotea karsteniana</i> | Pantropical | Zoochory | Oco kar | | x | x | | x | x |
| Lauraceae | <i>Ocotea macropoda</i> | Pantropical | Zoochory | Oco mac | | x | x | x | x | x |
| Lauraceae | <i>Ocotea puberula</i> | Pantropical | Zoochory | Oco pub | x | | | | | |
| Araliaceae | <i>Oreopanax bogotensis</i> | Neotropical | Zoochory | Ore bog | | | | | | x |
| Araliaceae | <i>Oreopanax</i> sp. | Neotropical | Zoochory | Ore sp. | x | x | | | | |
| Rubiaceae | <i>Palicourea angustifolia</i> | Neotropical | Zoochory | Pal ang | x | | | | | |
| Rubiaceae | <i>Palicourea demissa</i> | Neotropical | Zoochory | Pal dem | | | | | | x |
| Rubiaceae | <i>Palicourea leuconeura</i> | Neotropical | Zoochory | Pal leu | | | x | | x | |
| Rubiaceae | <i>Palicourea</i> sp. | Neotropical | Zoochory | Pal sp. | | | | | x | |
| Lauraceae | <i>Persea aff. peruviana</i> | Pantropical | Zoochory | Per per | x | x | x | | | |
| Lauraceae | <i>Persea fendleri</i> | Pantropical | Zoochory | Per fen | | | | x | | x |
| Lauraceae | <i>Persea povedae</i> | Pantropical | Zoochory | Per pov | | | | x | | x |

| Family | Species | Genus | | Species abbv. | MUC- | | | SEU- | | SEU-03 |
|-----------------|----------------------------------|----------------------|--------------------|---------------|------|--------|----|--------|----|--------|
| | | biogeographic origin | Dispersal syndrome | | 01 | MUC-02 | 03 | SEU-01 | 02 | |
| Lauraceae | <i>Persea</i> sp. | Pantropical | Zoochory | Per sp. | | x | x | | x | |
| Piperaceae | <i>Piper longispicum</i> | Pantropical | Zoochory | Pip lon | x | x | | x | x | |
| Podocarpaceae | <i>Podocarpus oleifolius</i> | Austral-antarctic | Zoochory | Pod ole | | | | x | | x |
| Rosaceae | <i>Prunus moritziana</i> | Holarctic | Zoochory | Pru mor | x | x | x | | | |
| Rosaceae | <i>Prunus myrtifolia</i> | Holarctic | Zoochory | Pru myr | | | | x | x | x |
| Podocarpaceae | <i>Retrophyllum rospigliosii</i> | Austral-antarctic | Zoochory | Ret ros | | | | x | x | x |
| Lauraceae | <i>Rhodostemonodaphne</i> sp. | Neotropical | Zoochory | Rho sp. | | | x | | | |
| Meliaceae | <i>Ruaea glabra</i> | Neotropical | Barochory | Rua gla | | | | | x | x |
| Meliaceae | <i>Ruaea pubescens</i> | Neotropical | Barochory | Rua pub | | | x | x | x | x |
| Meliaceae | <i>Ruaea</i> sp. | Neotropical | Barochory | Rua sp. | | | | | | x |
| Myrtaceae | <i>Rudgea marcano-bertii</i> | Neotropical | Zoochory | Rud mar | | | | | | x |
| Euphorbiaceae | <i>Sapium stylare</i> | Neotropical | Zoochory | Sap sty | x | x | x | | x | |
| Buxaceae | <i>Styloceras laurifolium</i> | Neotropical | Zoochory | Sty lau | | | | | x | x |
| Symplocaceae | <i>Symplocos amplifolia</i> | Holarctic | Zoochory | Sym amp | x | x | | | | |
| Pentaphragaceae | <i>Ternstroemia acrodantha</i> | Pantropical | Zoochory | Ter acr | x | x | | x | x | x |
| Euphorbiaceae | <i>Tetrorchidium rubrivenium</i> | Pantropical | Zoochory | Tet rub | x | x | x | | x | |
| Staphyleaceae | <i>Turpinia occidentalis</i> | Holarctic | Zoochory | Tur occ | | x | | | x | x |
| Viburnaceae | <i>Viburnum tinoides</i> | Holarctic | Zoochory | Vib tin | x | | | | x | |
| Vochysiaceae | <i>Vochysia gigantea</i> | Neotropical | Anemochory | Voc gig | | | | x | | |
| Cunoniaceae | <i>Weinmannia lechleriana</i> | Austral-antarctic | Barochory | Wei lec | x | x | x | | | x |
| Cunoniaceae | <i>Weinmannia pinnata</i> | Austral-antarctic | Barochory | Wei pin | | | x | | | |
| Arecaceae | <i>Wettinia praemorsa</i> | Neotropical | Zoochory | Wet para | | | | x | | |
| Rutaceae | <i>Zanthoxylum melanostictum</i> | Neotropical | Zoochory | Zan mel | x | x | | x | | x |

Table S4. Change in species richness and identity of the species gained and lost between the two censuses (2016 and 2022) in permanent plots in La Mucuy and San Eusebio.

Tabla S4. Cambio en la riqueza de especies e identidad de las especies ganadas y perdidas entre los dos censos (2016 y 2022) en parcelas permanentes de La Mucuy y San Eusebio.

| Plot | Δ Number of spp. | Number of spp. gained | Number of spp. lost | Species gained | Species lost |
|--------|-------------------------|-----------------------|---------------------|--|--|
| MUC-01 | 0 | 1 | 1 | <i>Piper longispicum</i> | <i>Gordonia fruticosa</i> |
| MUC-02 | -1 | 0 | 1 | | <i>Cestrum lindenii</i> |
| MUC-03 | 0 | 1 | 1 | <i>Meliosma pittieriana</i> | <i>Miconia aff. dodecandra</i> |
| SEU-01 | 3 | 5 | 2 | <i>Dendropanax fendleri</i> ; <i>Ficus tonduzii</i> ; <i>Ocotea macropoda</i> ; <i>Persea povedae</i> ; <i>Prunus myrtifolia</i> | <i>Nectandra laurel</i> ; <i>Ocotea babosa</i> |
| SEU-02 | -2 | 2 | 4 | <i>Beilschmiedia latifolia</i> | <i>Graffenrieda latifolia</i> ; <i>Palicourea</i> sp.; <i>Persea</i> sp.; <i>Ternstroemia acrodanthe</i> |
| SEU-03 | 2 | 3 | 1 | <i>Meriania brachycera</i> ; <i>Persea fendleri</i> | <i>Oreopanax bogotensis</i> |

Table S5. Average demographic rates of recruitment, mortality and turnover in the study plots for the period 2016-2022. Turnover rates are the average between mortality and recruitment. For calculating average annual rates, we used the correction proposed by Lewis et al. (2004).

Tabla S5. Tasas demográficas medias de reclutamiento, mortalidad y reemplazo en las parcelas de estudio para el periodo 2016-2022. Las tasas de reemplazo son la media entre mortalidad y reclutamiento. Para el cálculo de las tasas medias anuales se ha utilizado la corrección propuesta por Lewis et al. (2004).

| Site | Plot | Mortality rate (%/year) | Recruitment rate (%/year) | Turnover rate (%/year) |
|-------------|--------|----------------------------|------------------------------|---------------------------|
| La Mucuy | MUC-01 | 1.23 | 0.37 | 0.80 |
| | MUC-02 | 2.58 | 0.38 | 1.48 |
| | MUC-03 | 1.96 | 0.38 | 1.17 |
| San Eusebio | SEU-01 | 1.93 | 0.23 | 1.08 |
| | SEU-02 | 2.31 | 0.35 | 1.33 |
| | SEU-03 | 1.92 | 0.30 | 1.11 |

Figure S1. Proportion of the number of species (A-B) and the total basal area (C-D) represented by species that belong to genera with different biogeographic origins in La Mucuy (A-C) and San Eusebio (B-D).

Figura S1. Proporción del número de especies (A-B) y del área basal total (C-D) representada por especies que pertenecen a géneros con diferentes orígenes biogeográficos en La Mucuy (A-C) y San Eusebio (B-D).

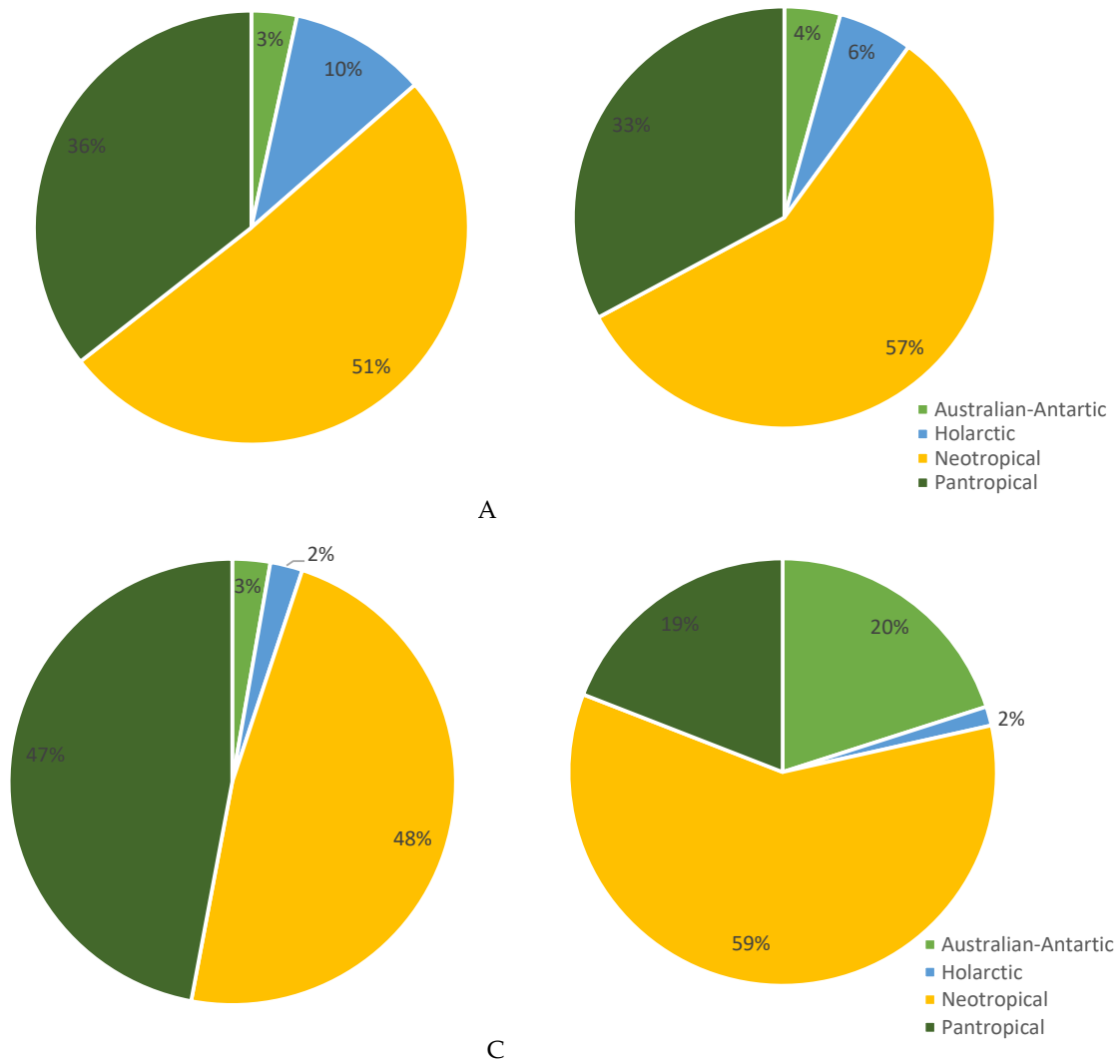


Figure S2. Main dispersal syndromes for all species registered in the montane forests of La Mucuy and San Eusebio, Cordillera de Mérida, Venezuela.

Figura S2. Principales síndromes de dispersión para todas las especies registradas en los bosques montanos de La Mucuy y San Eusebio, Cordillera de Mérida, Venezuela.

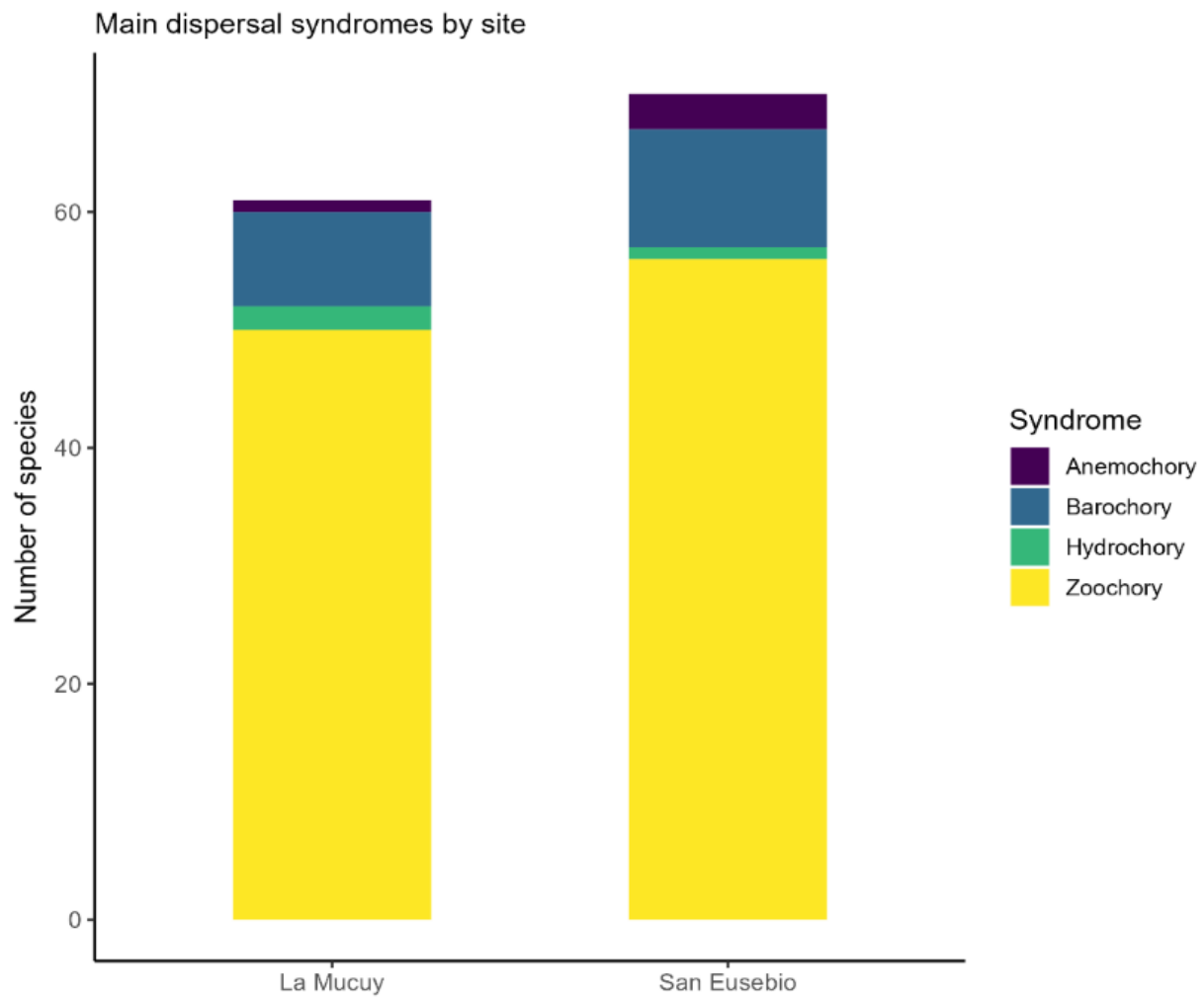


Figure S3. Cluster analysis (average linkage) based on Bray-Curtis similarity calculated from a matrix of basal area for each species (standardized and transformed using the square root) for permanent plots in La Mucuy (MUC) and San Eusebio (SEU) for the year 2016 and 2022.

Figura S3. Análisis de cluster (enlace promedio) basado en la similitud de Bray-Curtis calculada a partir de una matriz de área basal para cada especie (estandarizada y transformada usando la raíz cuadrada) para parcelas permanentes en La Mucuy (MUC) y San Eusebio (SEU) para el año 2016 y 2022.

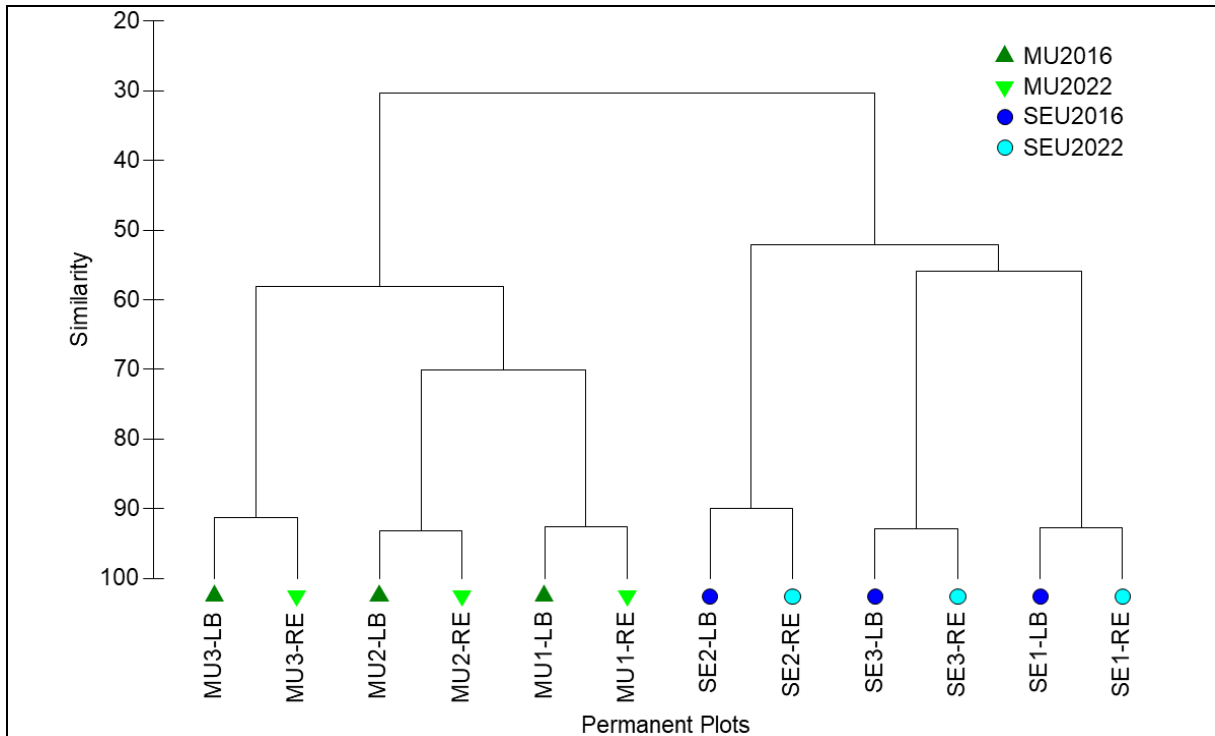


Figure S4. Relationship between mortality and recruitment rate per plot in two montane forest sites of the Venezuelan Andes. San Eusebio plots had slightly higher turnover rates compared to La Mucuy. Note that the correlation estimates do not include the average values for each site.

Figura S4. Relación entre mortalidad y tasa de reclutamiento por parcela en dos sitios de bosque montano de los Andes venezolanos. Las parcelas de San Eusebio tuvieron tasas de reemplazo ligeramente superiores a las de La Mucuy. Nótese que las estimaciones de correlación no incluyen los valores promedio de cada sitio.

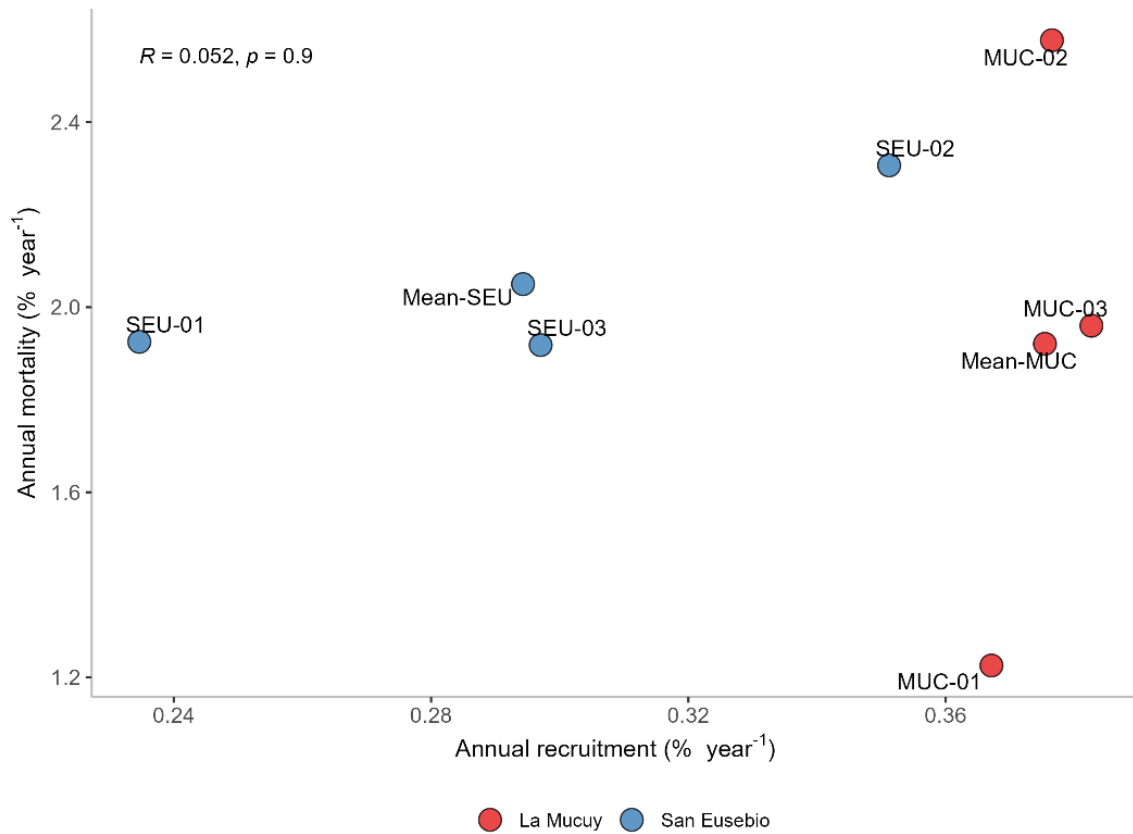


Figure S5. Distribution of aboveground carbon (AGC) (A) and stem density (B) across different size classes in 2016 and 2022 at two montane forest sites in the Venezuelan Andes.

Figura S5. Distribución del carbono sobre el suelo (AGC) (A) y la densidad de tallos (B) en diferentes clases de tamaño en 2016 y 2022 en dos sitios de bosque montano en los Andes venezolanos.

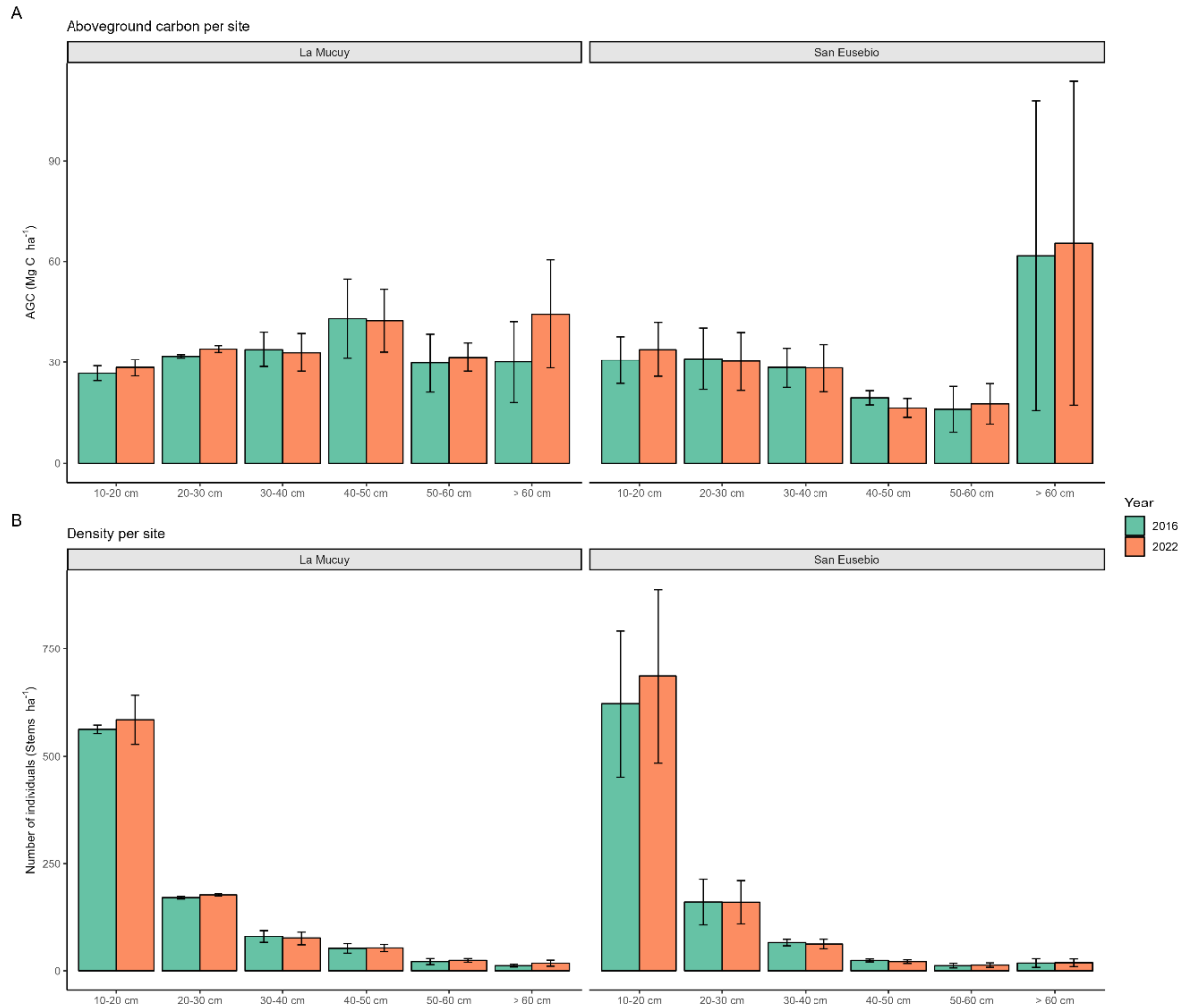


Figure S6. A) Principal component analysis (PCA) on 12 environmental variables of all plots within site. PCA axis 1 largely represents an increasing moisture supply via precipitation, while axis 2 is mostly associated with increasing temperatures. See correlations between PCA variables in Figure S5; B) A scree plot showing the proportion of the variation explained by six major axis/dimensions. PCA1+PCA2=84.9%. Tmax=maximum annual temperature; Tmin=minimum annual temperature; Tmean=mean annual temperature; Precip=mean annual precipitation; Loam=%loam in soil; %Clay=%clay in soil; Sand=%sand in soils; Nitrogen=%N in soil; Org. Carbon=%carbon in soil.

Figura S6. A) Análisis de componentes principales (PCA) sobre 12 variables ambientales de todas las parcelas dentro del sitio. El eje 1 del PCA representa en gran medida un aumento del suministro de humedad a través de las precipitaciones, mientras que el eje 2 se asocia principalmente con el aumento de las temperaturas. Véanse las correlaciones entre las variables del PCA en la Figura S5; B) Un gráfico de escala que muestra la proporción de la variación explicada por seis ejes/dimensiones principales. PCA1+PCA2=84.9%. Tmax=temperatura máxima anual; Tmin=temperatura mínima anual; Tmean=temperatura promedio anual; Precip=precipitación media anual; Loam=%limos en suelo; %Clay=%arcilla en suelo; Sand=%arenas en suelo; Nitrogen=%N en suelo; Org. Carbon=%carbono orgánico en suelo.

