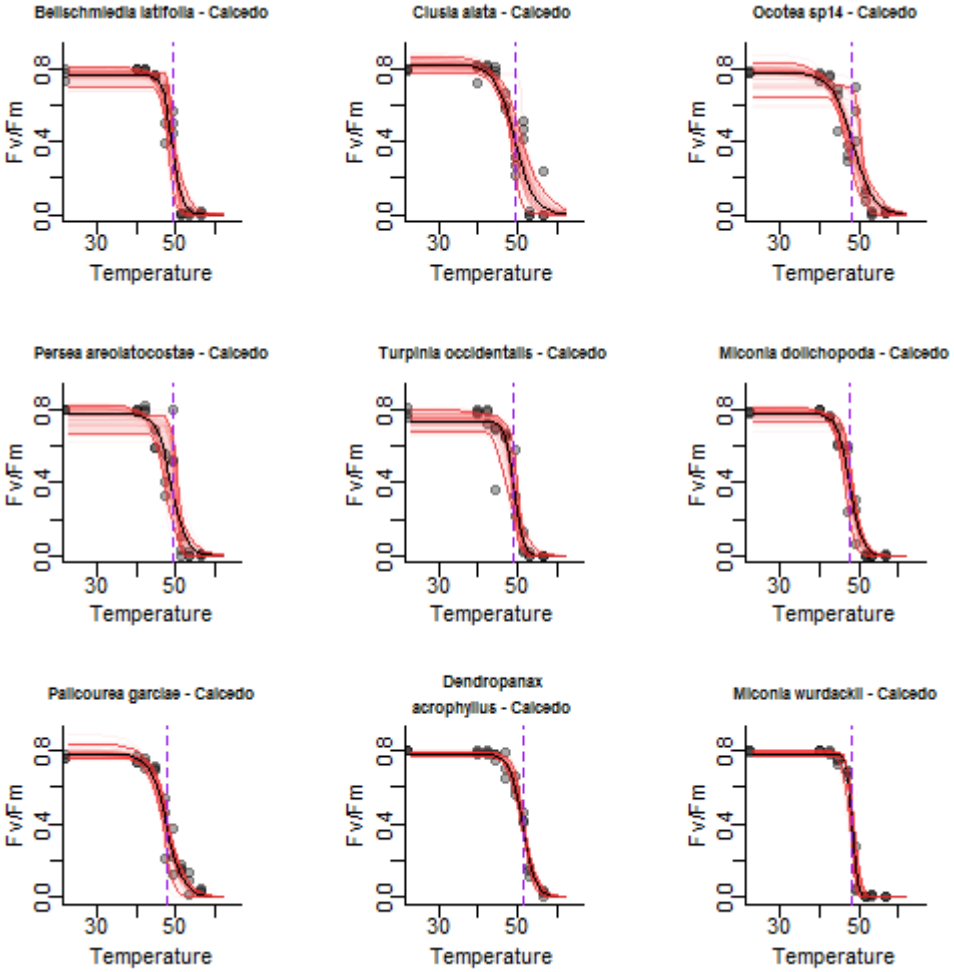
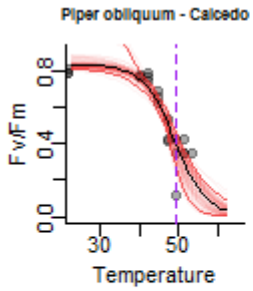
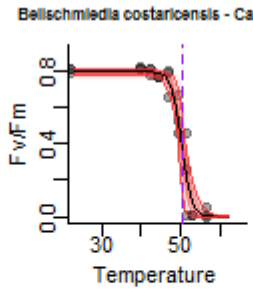
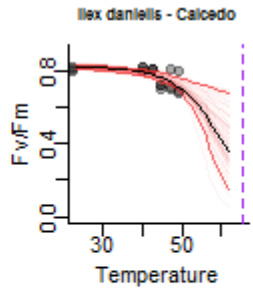
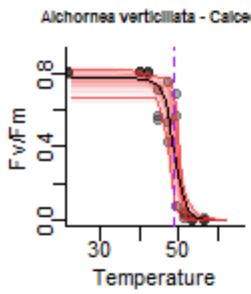
Supplemental Figure S1. Species-level changes in F_V/F_M recorded in leaves exposed to different temperature treatments (see text). In each panel, points indicate values for individual leaves, thin red lines indicate individual model fits; the black line indicates the median fit, thick red lines indicate 95% Confidence Interval of model fits, and he vertical line indicates T_{50} (i.e., the temperature at which Fv/Fm reaches 50% of the control value).

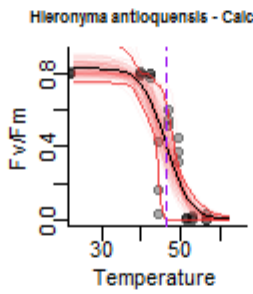

Beilschmiedia latifolia - Calcedo
Clusia alata - Calcedo
Ocotea sp14 - Calcedo
Persea areolatocostae - Calcedo
Turpinia occidentalis - Calcedo
Miconia dolichopoda - Calcedo
Pallcourea garciae - Calcedo
Dendropanax acrophyllus - Calcedo
Miconia wurdackii - Calcedo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

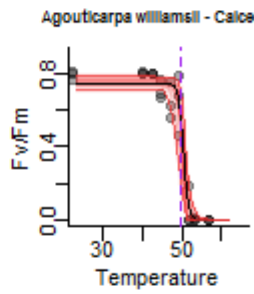

Piper obliquum - Calcedo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

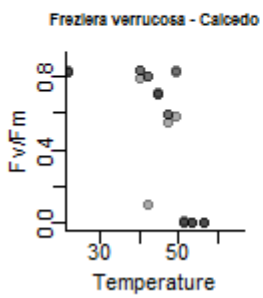

Bellschmiedia costaricensis - Calcedo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

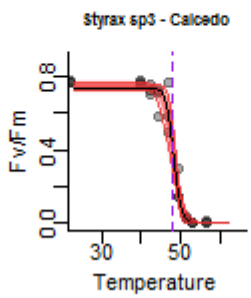

Ilex daniellis - Calcedo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

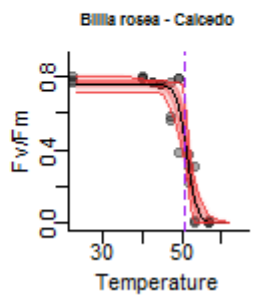

Alchornea verticillata - Calcedo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

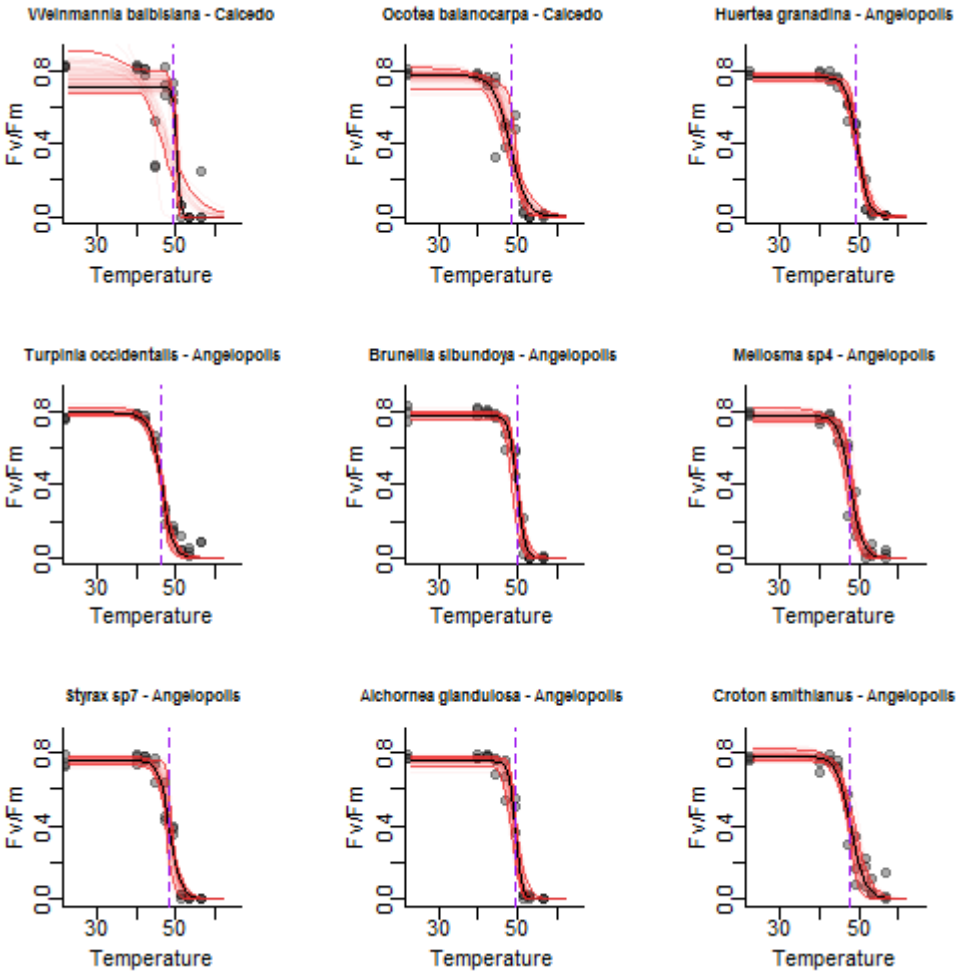

Hieronyma antioquensis - Calcedo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

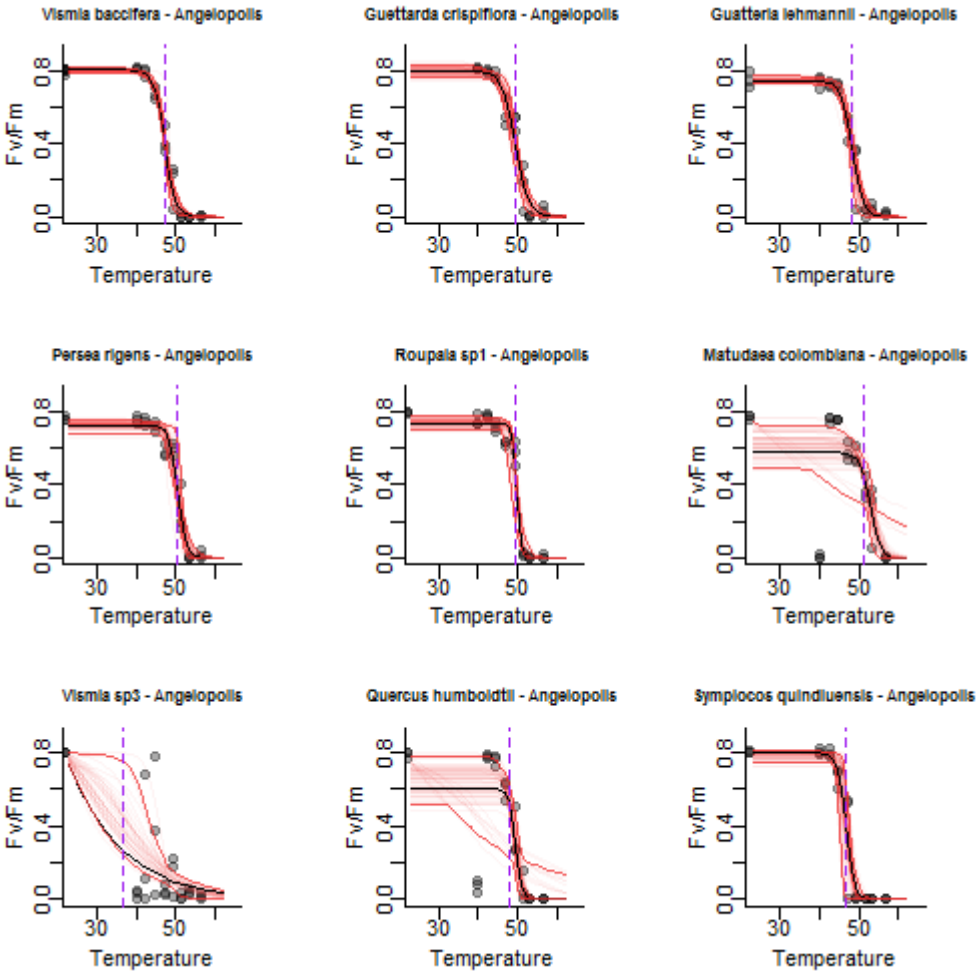

Agouticarpa williamsii - Calcedo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

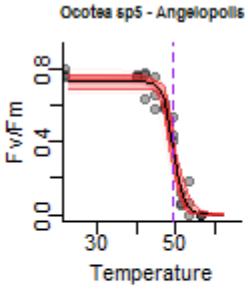

Freziera verrucosa - Calcedo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

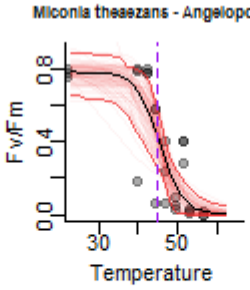

Styrax sp3 - Calcedo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

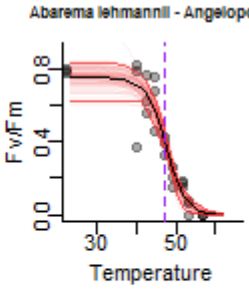

Billia rosea - Calcedo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

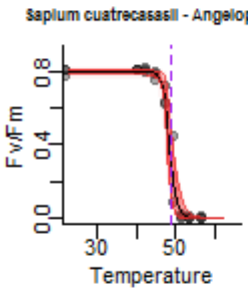

Weinmannia balbisiana - Calcedo
Ocotea balanocarpa - Calcedo
Huertea granadina - Angelopolis
Turpinia occidentalis - Angelopolis
Brunellia sibundoya - Angelopolis
Mellosma sp4 - Angelopolis
Styrax sp7 - Angelopolis
Alchornea glandulosa - Angelopolis
Croton smithianus - Angelopolis
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

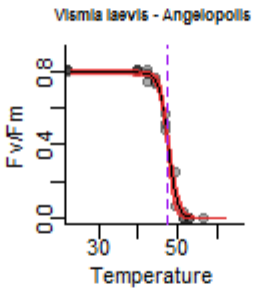

Vismia baccifera - Angelopolis
Guettarda crispiflora - Angelopolis
Guatteria lehmannii - Angelopolis
Persea rigens - Angelopolis
Roupala sp1 - Angelopolis
Matudaea colombiana - Angelopolis
Vismia sp3 - Angelopolis
Quercus humboldtii - Angelopolis
Symplocos quindiuensis - Angelopolis
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

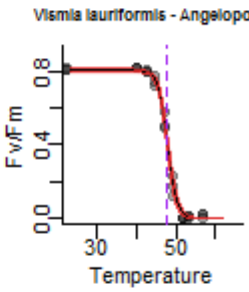

Ocotea sp5 - Angelopolis
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

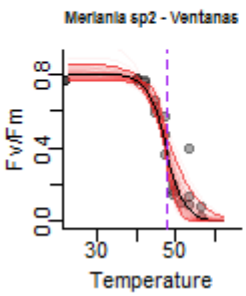

Miconia theaezans - Angelopolis
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

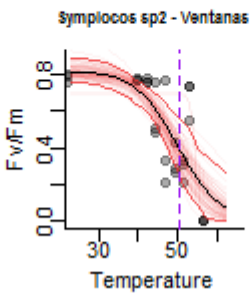

Abarema lehmannii - Angelopolis
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

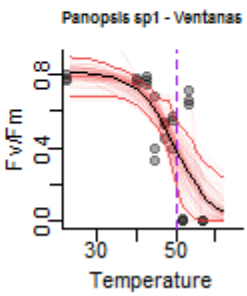

Sapium cuatrecasasii - Angelopolis
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

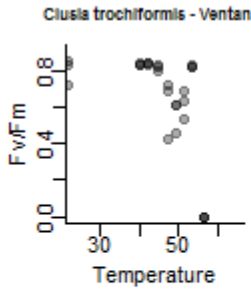

Vismia laevis - Angelopolis
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

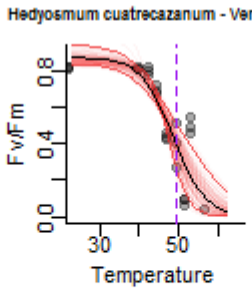

Vismia lauriformis - Angelopolis
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

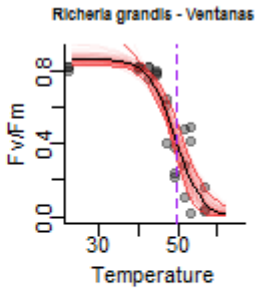

Meriania sp2 - Ventanas
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

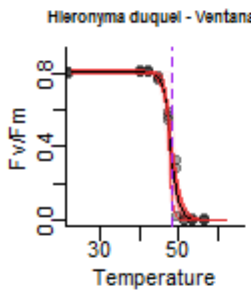

Symplocos sp2 - Ventanas
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

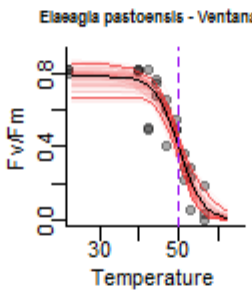

Panopsis sp1 - Ventanas
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

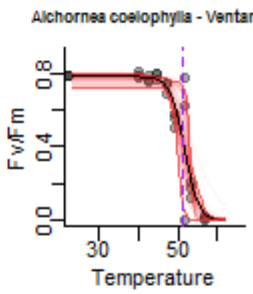

Clusia trochiformis - Ventanas
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

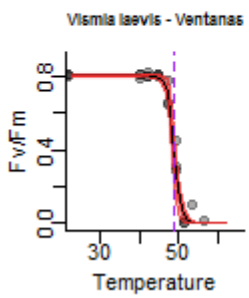

Hedyosmum cuatrecazanum - Ventanas
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

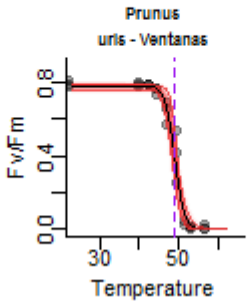

Richeria grandis - Ventanas
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

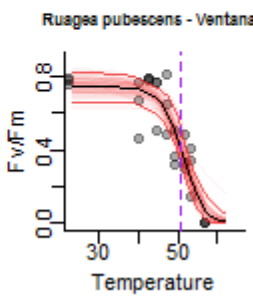

Hieronyma duquei - Ventanas
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

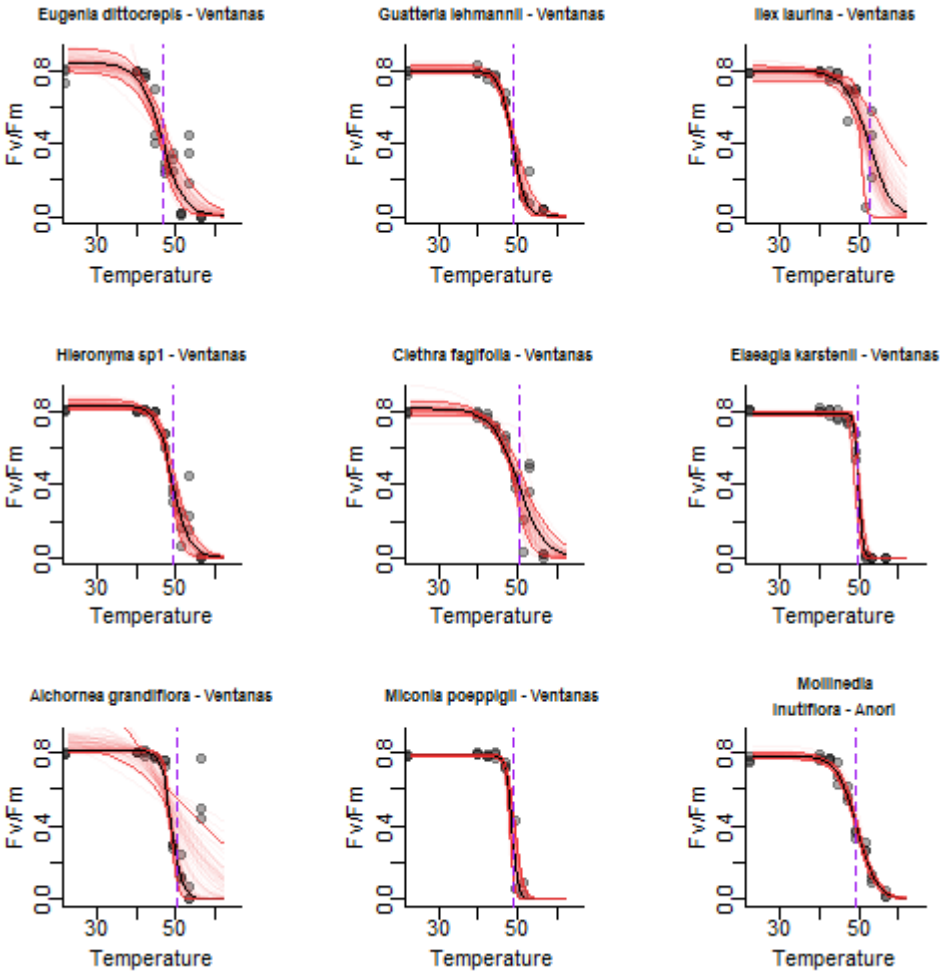

Elaeagia pastoensis - Ventanas
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

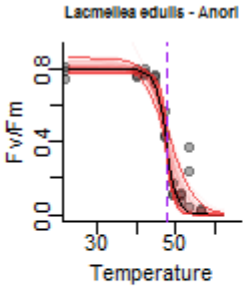

Alchornea coelophylla - Ventanas
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

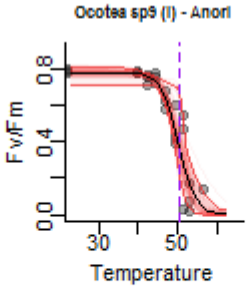

Vismia laevis - Ventanas
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

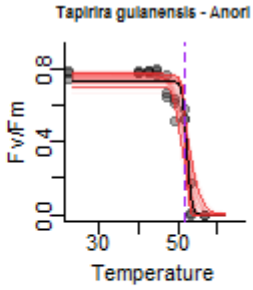

Prunus
uris - Ventanas
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

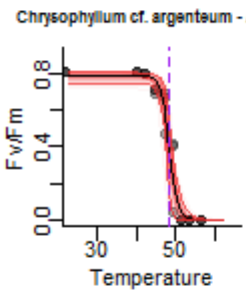

Ruagea pubescens - Ventanas
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

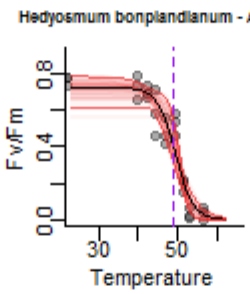

Eugenia dittocrepis - Ventanas
Guatteria lehmannii - Ventanas
Ilex laurina - Ventanas
Hieronyma sp1 - Ventanas
Clethra fagifolia - Ventanas
Elaeagia karstenii - Ventanas
Alchornea grandiflora - Ventanas
Miconia poeppigii - Ventanas
Mollinedia inutiflora - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

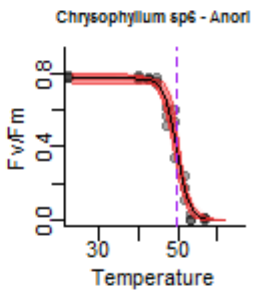

Lacmellea edulis - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

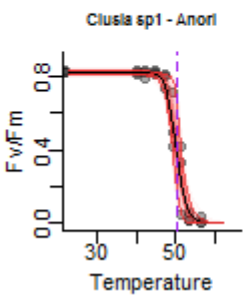

Ocotea sp9 (I) - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

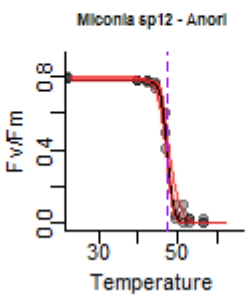

Tapirira guianensis - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

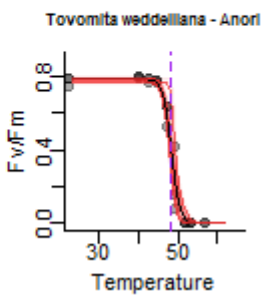

Chrysophyllum cf. argenteum - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

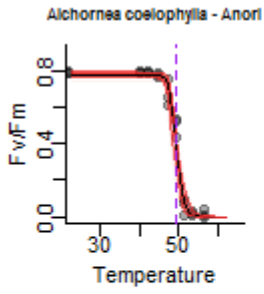

Hedyosmum bonplandianum - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

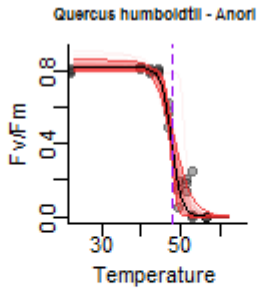

Chrysophyllum sp6 - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

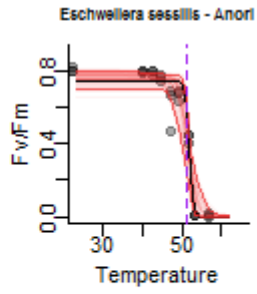

Clusia sp1 - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

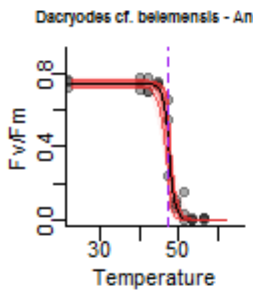

Miconia sp12 - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature


Tovomita weddelliana - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature


Alchornea coelophylla - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature


Quercus humboldtii - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature


Eschweilera sessilis - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature


Dacryodes cf. belemensis - Anori
Fv/Fm
0.0
0.4
0.8
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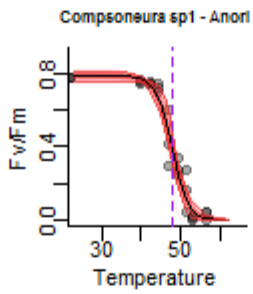
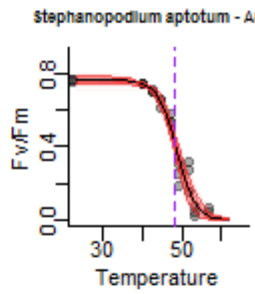
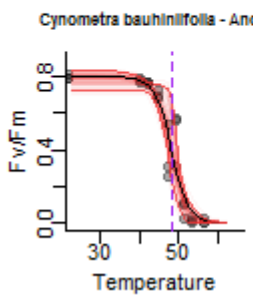
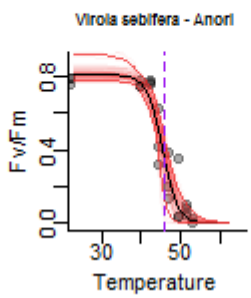
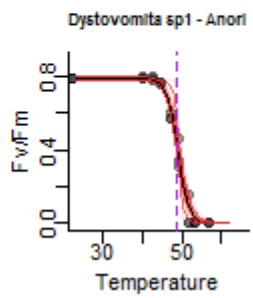
50
Temperature

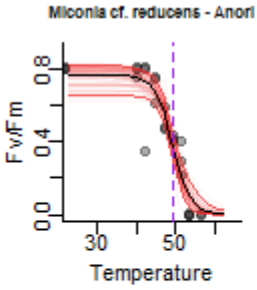

Compsoneura sp1 - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

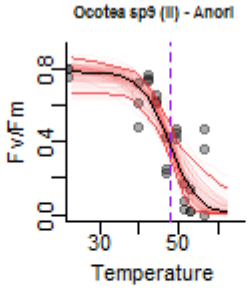

Stephanopodium aptotum - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

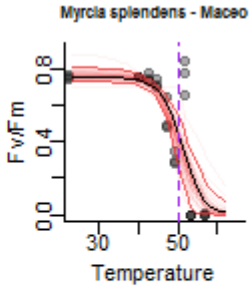

Cynometra bauhiniifolia - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

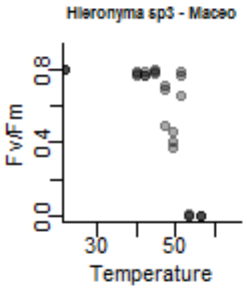

Virola sebifera - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

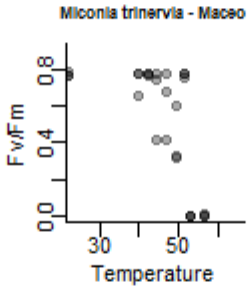

Dystovomita sp1 - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

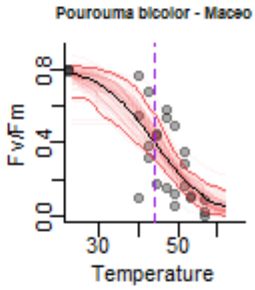

Miconia cf. reducens - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

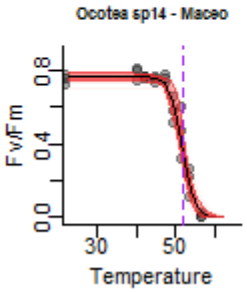

Ocotea sp9 (II) - Anori
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

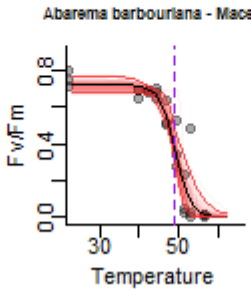

Myrcia splendens - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

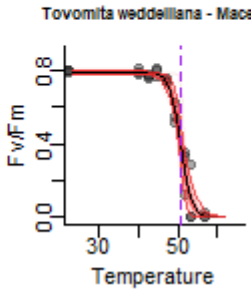

Hieronyma sp3 - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

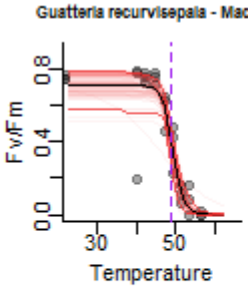

Miconia trinervia - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

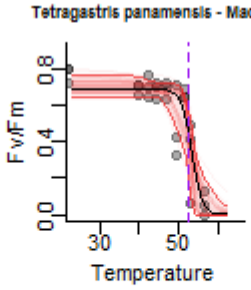

Pourouma bicolor - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

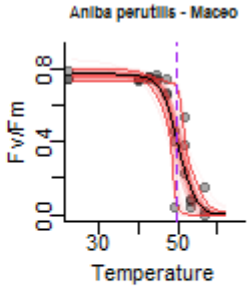

Ocotea sp14 - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

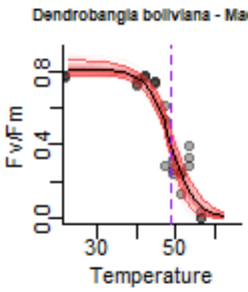

Abarema barbouriana - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

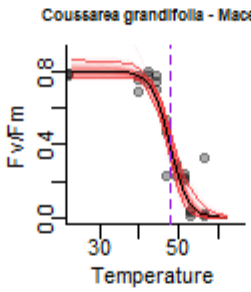

Tovomita weddelliana - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

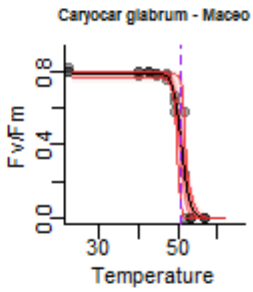

Guatteria recurvisepala - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

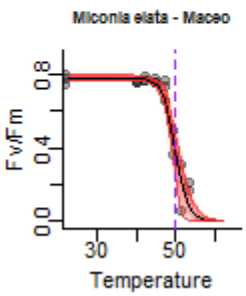

Tetragastris panamensis - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

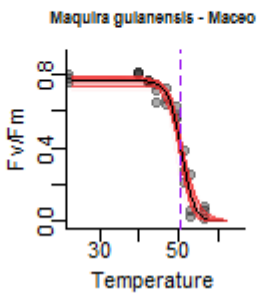

Aniba perutilis - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

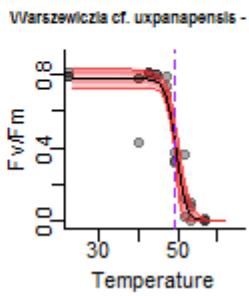

Dendrobangia boliviana - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

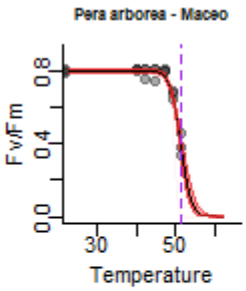

Coussarea grandifolia - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

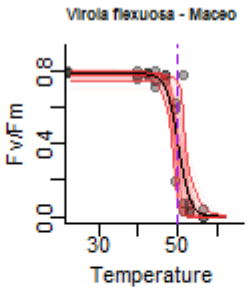

Caryocar glabrum - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

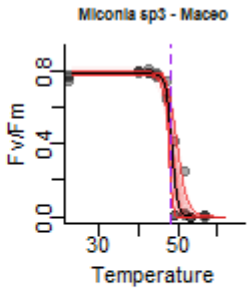

Miconia elata - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

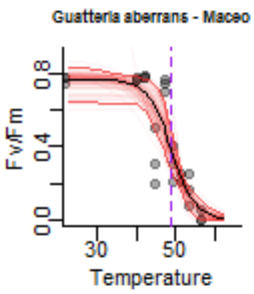

Maquira guianensis - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature


Warszewiczia cf. uxpanapensis - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature


Pera arborea - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature


Virola flexuosa - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature


Miconia sp3 - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature


Guatteria aberrans - Maceo
Fv/Fm
0.0
0.4
0.8
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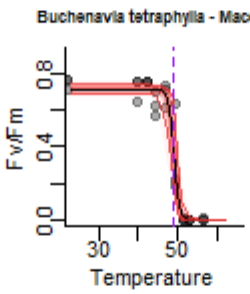
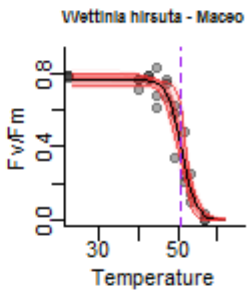
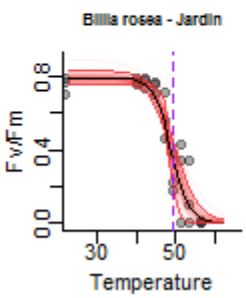
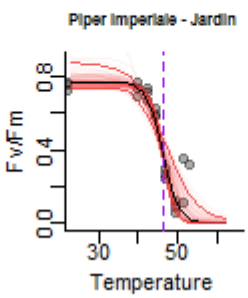
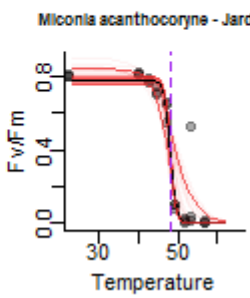
50
Temperature

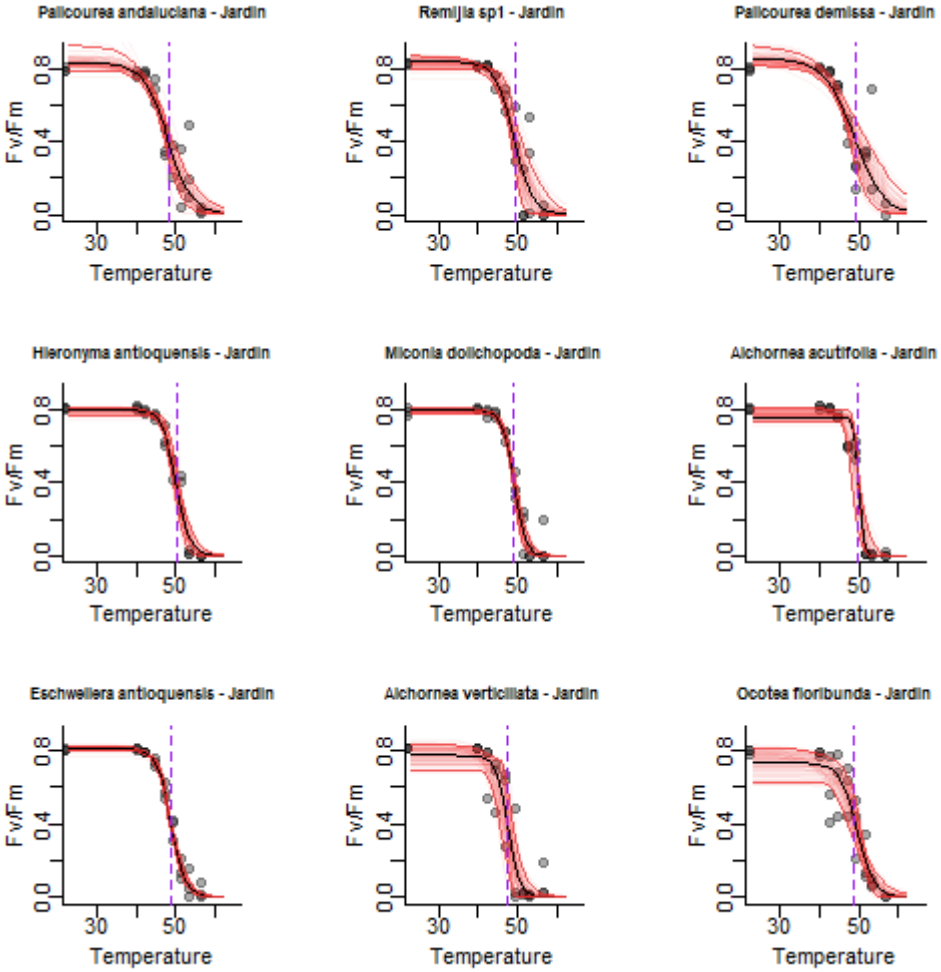

Buchenavia tetraphylla - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

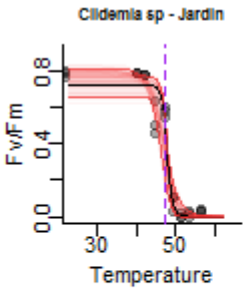

Vochysia hirsuta - Maceo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

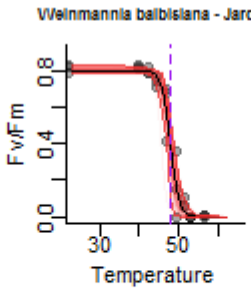

Billia rosea - Jardin
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

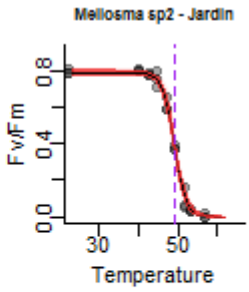

Piper imperiale - Jardin
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

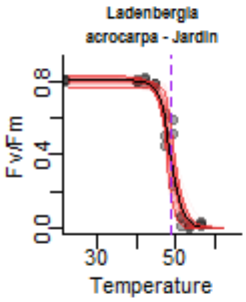

Miconia acanthocoryne - Jardin
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

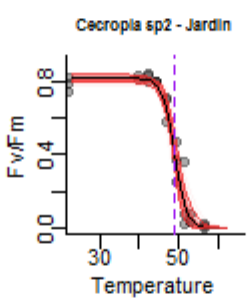

Palicourea andaluciana - Jardin
Remijia sp1 - Jardin
Palicourea demissa - Jardin
Hieronyma antioquensis - Jardin
Miconia dolichopoda - Jardin
Alchornea acutifolia - Jardin
Eschweilera antioquensis - Jardin
Alchornea verticillata - Jardin
Ocotea floribunda - Jardin
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

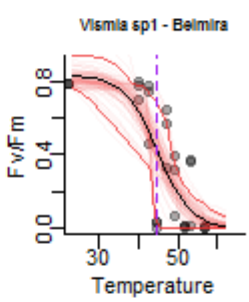

Clidemia sp - Jardin
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

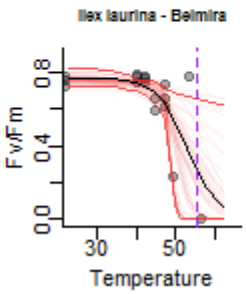

Weinmannia balbisiana - Jardin
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

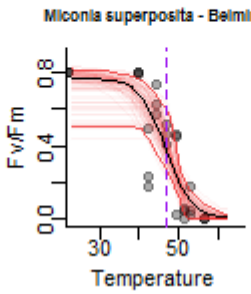

Melliosma sp2 - Jardin
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

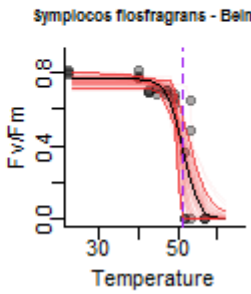

Ladenbergia acrocarpa - Jardin
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

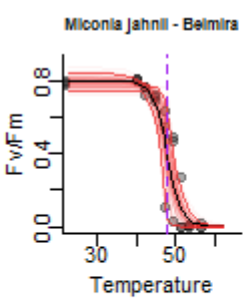

Cecropia sp2 - Jardin
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

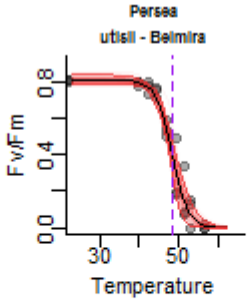

Vismia sp1 - Belmira
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

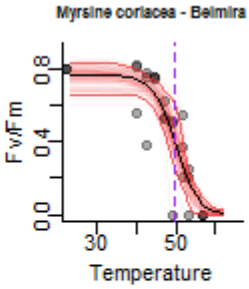

Ilex laurina - Belmira
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

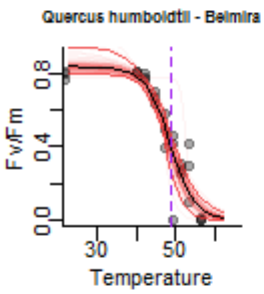

Miconia superposita - Belmira
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

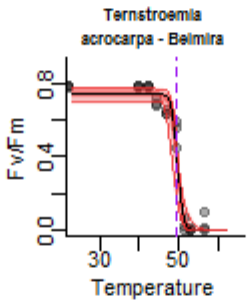

Symplocos flosfragrans - Belmira
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

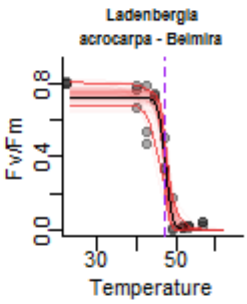

Miconia jahnii - Belmira
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

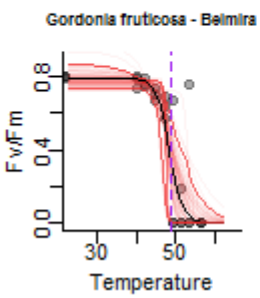

Persea
utilsii - Belmira
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

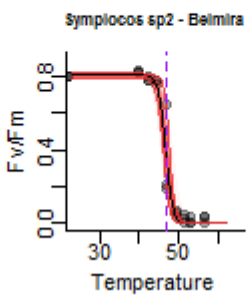

Myrsine coriacea - Belmira
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

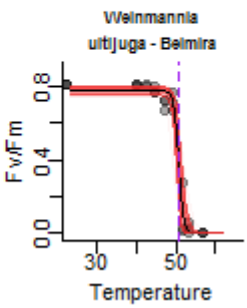

Quercus humboldtii - Belmira
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

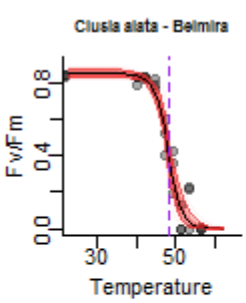

Ternstroemia
acrocarpa - Belmira
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

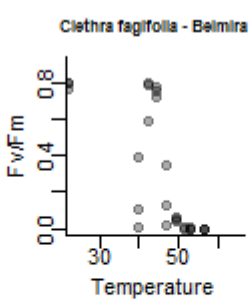

Ladenbergia
acrocarpa - Belmira
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

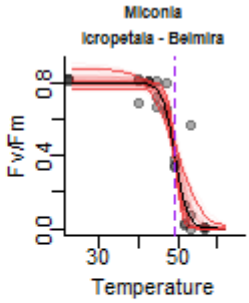

Gordonia fruticosa - Belmira
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

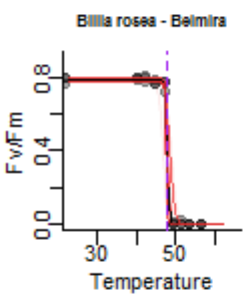

Symplocos sp2 - Belmira
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

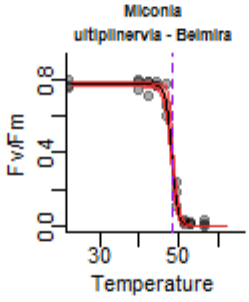

Weinmannia
ulitjuga - Belmira
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

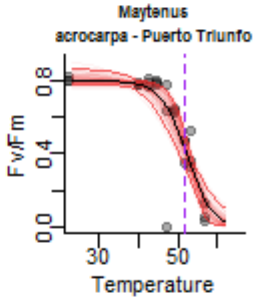

Clusia alata - Belmira
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

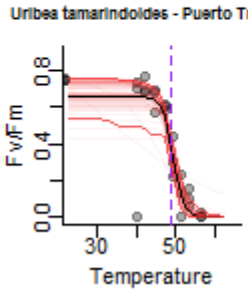

Clethra fagifolia - Belmira
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

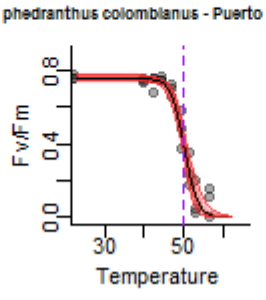

Miconia
Icropetala - Belmira
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

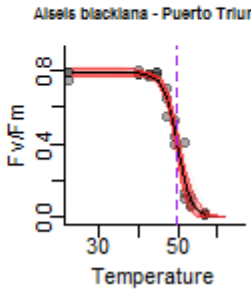

Billia rosea - Belmira
Fv/Fm
0.0
0.4
0.8
30
50
Temperature


Miconia
ultiplinervia - Belmira
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

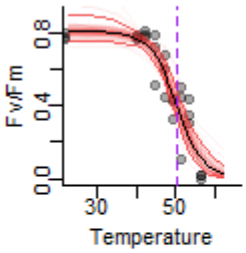

Maytenus
acrocarpa - Puerto Triunfo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature


Uribea tamarindoides - Puerto Triunfo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

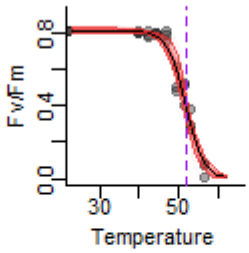

phedranthus colombianus - Puerto Triunfo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature


Alseis blackiana - Puerto Triunfo
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

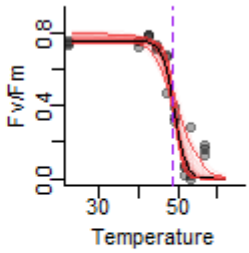
Coccoloba padiformis - Puerto Triunfo



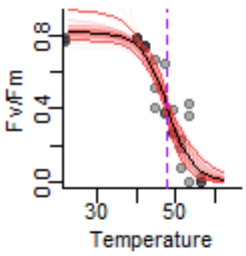
Pouteria sp5 - Puerto Triunfo



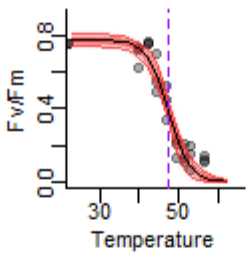
Oxandra sp2 - Puerto Triunfo



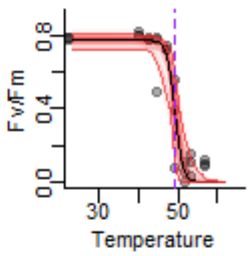
Coccoloba ascendens - Puerto Triunfo



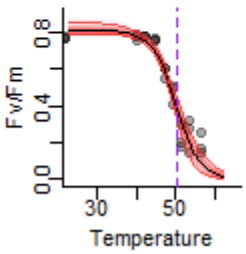
Licaria sp3 - Puerto Triunfo



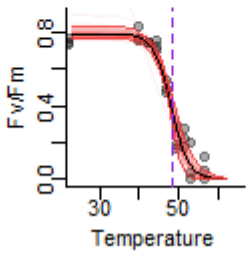
Brosimum alicastrum - Puerto Triunfo



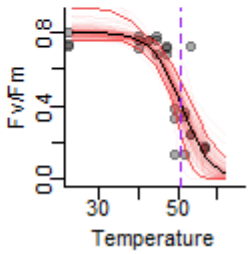
Rinorea hirsuta - Puerto Triunfo

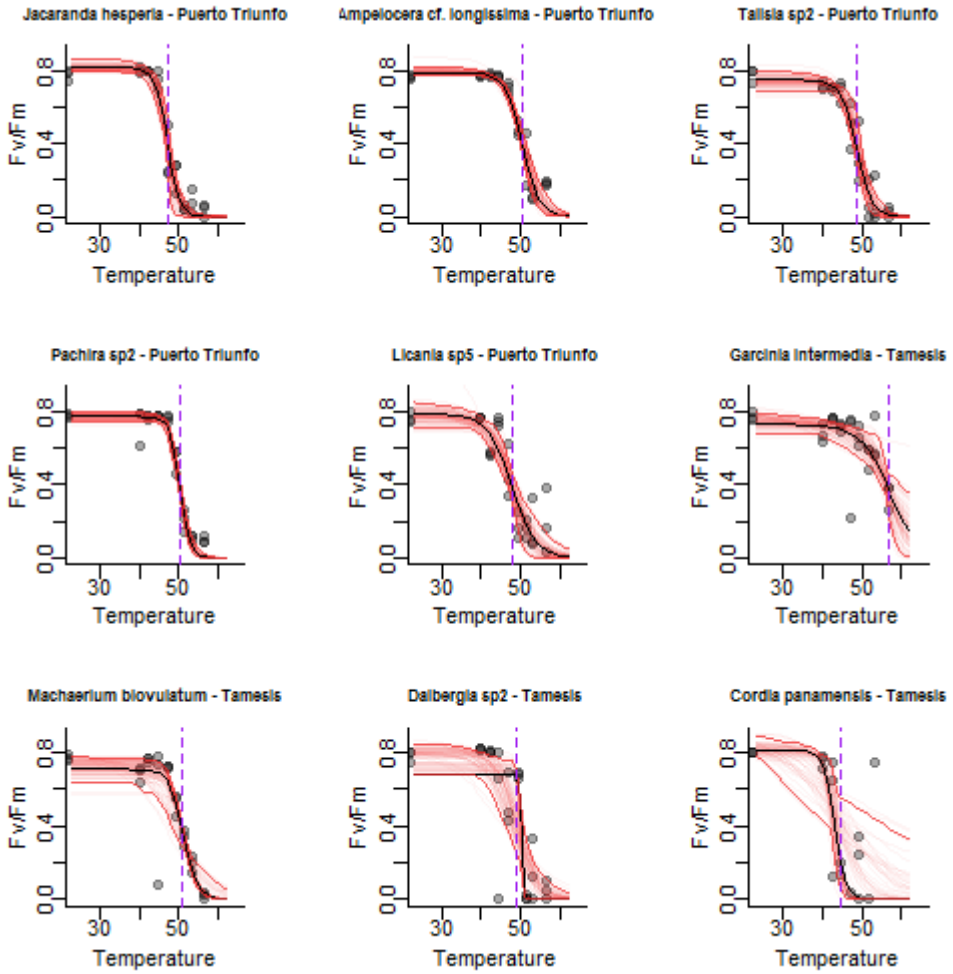


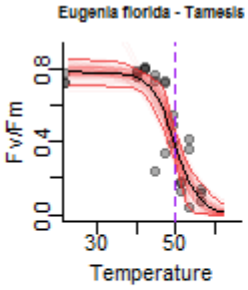
Brownea rosa-de-monte - Puerto Triunfo

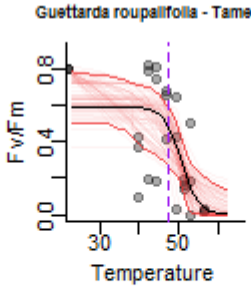


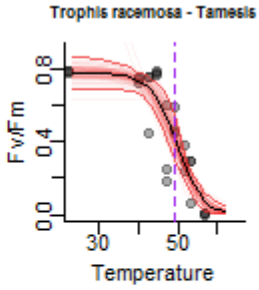
Swartzia simplex - Puerto Triunfo

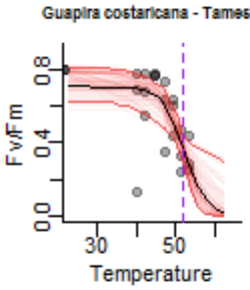


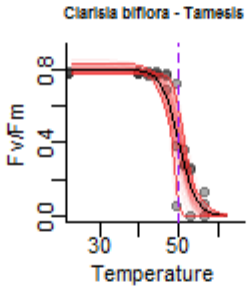

Jacaranda hesperia - Puerto Triunfo
Ampelocera cf. longissima - Puerto Triunfo
Talisia sp2 - Puerto Triunfo
Pachira sp2 - Puerto Triunfo
Licania sp5 - Puerto Triunfo
Garcinia intermedia - Tamesis
Machaerium biovulatum - Tamesis
Dalbergia sp2 - Tamesis
Cordia panamensis - Tamesis
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

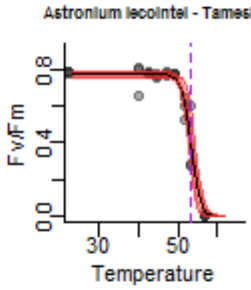

Eugenia florida - Tamesis
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

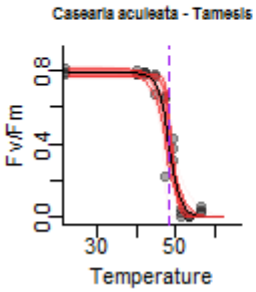

Guettarda roupalifolia - Tamesis
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

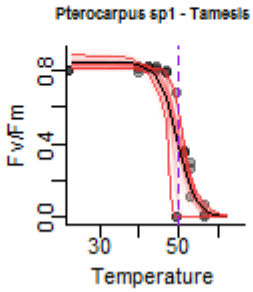

Trophis racemosa - Tamesis
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

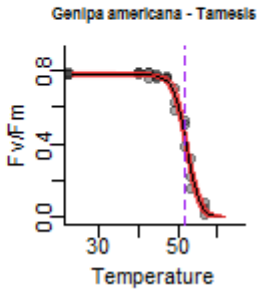

Guapira costaricana - Tamesis
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

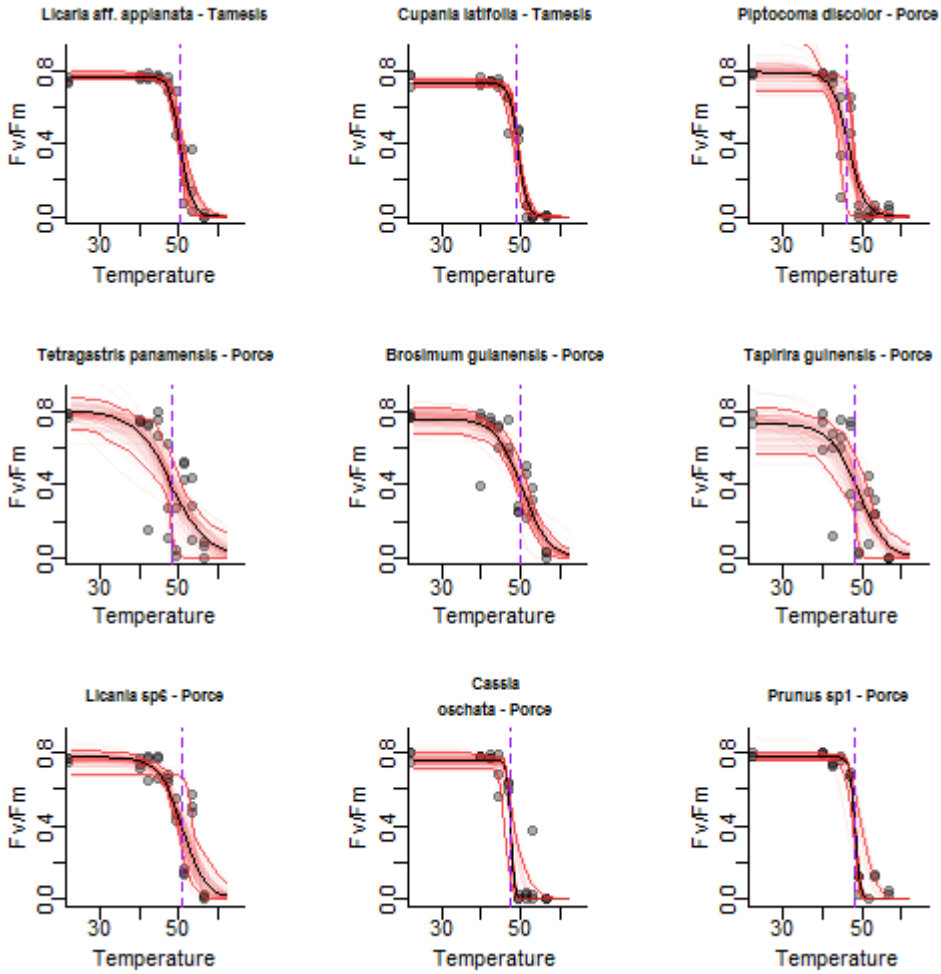

Clarisia biflora - Tamesis
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

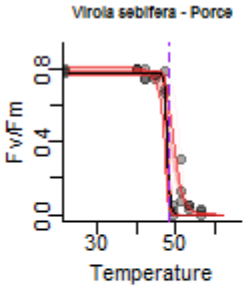

Astronium lecointei - Tamesis
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

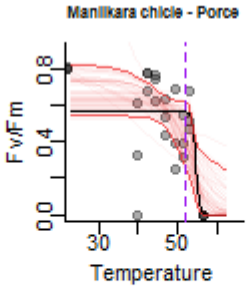

Casearia aculeata - Tamesis
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

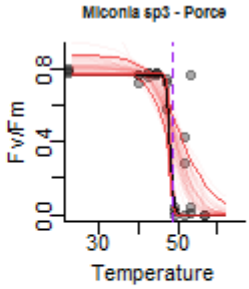

Pterocarpus sp1 - Tamesis
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

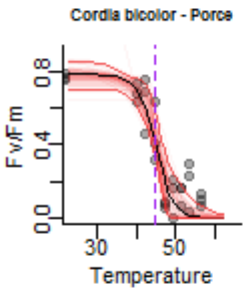

Genipa americana - Tamesis
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

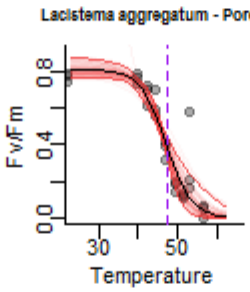

Licaria aff. applanata - Tamesis
Cupania latifolia - Tamesis
Piptocoma discolor - Porce
Tetragastris panamensis - Porce
Brosimum guianensis - Porce
Tapirira guinensis - Porce
Licania sp6 - Porce
Cassia oschata - Porce
Prunus sp1 - Porce
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

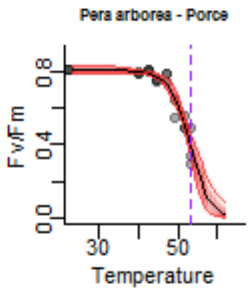

Virola sebifera - Porce
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

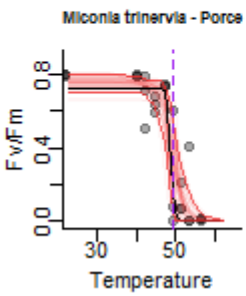

Manilkara chicle - Porce
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

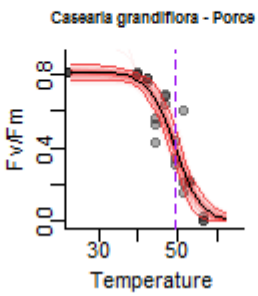

Miconia sp3 - Porce
Fv/Fm
0.0
0.4
0.8
30
50
Temperature

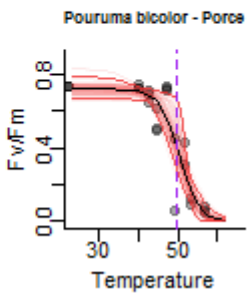

Cordia bicolor - Porce
Fv/Fm
0.0
0.4
0.8
30
50
Temperature


Lacistema aggregatum - Porce
Fv/Fm
0.0
0.4
0.8
30
50
Temperature


Pera arborea - Porce
Fv/Fm
0.0
0.4
0.8
30
50
Temperature


Miconia trinervia - Porce
Fv/Fm
0.0
0.4
0.8
30
50
Temperature


Casearia grandiflora - Porce
Fv/Fm
0.0
0.4
0.8
30
50
Temperature


Pouruma bicolor - Porce
Fv/Fm
0.0
0.4
0.8
30
50
Temperature