

Apiales

Araliaceae

Dendropanax sp. **np**

Asterales

Asteraceae

Chuquiraga jussieui J.F.Gmel. **c**

Diplostephium antisanense Hieron. **r**

Eupatorium capillifolium Small. **a**

Gynoxys hallii Hieron. **a**

G. laurifolia H. B. & K. **a**

Capparidales

Brassicaceae

Draba aretioides H. B. & K. **c**

D. volcanica Benth. **a**

Capparidaceae

Capparis crotonoides H. B. & K. **np**

C. ecuadorica H.H.Iltis **c**

C. ovalifolia Ruiz & Pav. **np**

Morisonia americana L. **nc**

Caryophyllales

Cactaceae

Opuntia ficus-indica (L.) Mill. **np**

O. tunicata Hort.Berol. ex Pfeiff. **c**

Nyctaginaceae

Guapira olfersiana (Link & Otto) Lundell **np**

Celastrales

Celastraceae

Maytenus sp. **np**

Dichapetalaceae

Stephanopodium longipedicellatum Prance **a**

blocky epid. non-quads

S. magnifolium Prance **c**

S. peruvianum Poepp. & Endl. **a**

blocky epid. non-quad

Hippocrateaceae

Salacia sp. **np**

Icacinaceae

Citronella incarum (Macbride) Howard **np**

Cyclanthales

Cyclanthaceae

Cyclanthus bipartitus Poit. **np**

Ebenales

Ebenaceae

Diospyros sp. **np**

D. mellinoni (Hiern) A.C.Smith **c**

D. psidioides H. B. & K. **c**

Sapotaceae

Chrysophyllum auratum Miq. **np**

Ericales

Ericaceae

Bejaria aestuans Mutis ex L. **a**

B. glauca Bonpl. **np**

Macleania sp. **a**

schlerids

Euphorbiales

Euphorbiaceae

Acalypha cuneata Poepp. & Endl. **c**

A. diversifolia Jacq. **a**

hair bases

Alchornea brevistyla Pax & K.Hoffm. **np**

A. grandiflora Muell.Arg. **np**

A. latifolia Sw. **np**

Alchorneopsis floribunda Muell.Arg. **np**

Amanoa anomala Little **a**

blocky epid. non-quads

Cleidion castaneaefolium Muell.Arg. **a**

Croton callistanthus Croizat **np**

C. cuneatus Klotzsch **np**

C. fraseri Muell.Arg. **a**

blocky epid. non-quads

discrete epid. non-quad hair

C. glabellus L. **a**

C. palanostigma Klotzsch **np**

Drypetes sp. **c**

Euphorbia cestrifolia Kunth **np**

E. laurifolia Juss. **np**

Hippomane mancinella L. **np**

Hura polyandra Baill. **np**

Hyeronima alchorneoides Allemao **np**

H. asperifolia Pax & K.Hoffm. **np**

Jatropha gossypifolia L. **np**

J. platyphylla Muell.Arg. **np**

Phyllanthus anisolobus Muell.Arg. **np**

Fabales

Fabaceae

Acacia macracantha Humb. & Bonpl. ex Willd. **a**

Andira inermis (W.Wright) Kunth ex DC **a**

A. marothyrsa Ducke **a**

Brownea grandiceps Jacq. **a**

calcium carbonate crystals

B. ucayalina (Huber) Ducke **a**

hair bases

Canavalia sp. **np**

C. maritima (Aubl.) Thou. **a**

Dialium guianense (Aubl.) Sandwith **a**

hairs

hair base

Hymenaea oblongifolia Huber **a**

H. oblongifolia var. *palustris* Y.T.Lee & Langenh. **a**

Inga acrocephala Steud. **np**

I. capitata Desv. **np**

I. densiflora Benth. **a**

-D epid. quads

hair bases

[stomate](#)

I. nobilis Willd. **np**

I. punctata Willd. **np**

I. vera Willd. **np**

Lupinus microphyllus Desr. **a**

Macrolobium acaciaefolium Benth. **a**

M. angustifolium (Benth.) R.S.Cowan **a**

M. archeri R.S.Cowan **a**

M. columbianum (Britton & Killip) Killip **a**

Pithecellobium multiflorum (Kunth) Benth. **a**

Platymiscium pinnatum (Jacq.) Dugand **nc**

P. stipulare Benth. **c**

Pueraria phaseoloides var. *javanica* (Benth.) Baker **a**

Swartzia arborescens (Aubl.) Pittier **np**

S. simplex (Sw.) Spreng. **np**

Tachigali paniculata Aubl. **np**

T. polyphylla Poepp. **np**

Vatairea erythrocarpa Ducke **nc**

V. lundellii (Standley) Killip **a**

Fagales

Betulaceae

Alnus jorullensis H. B. & K. **np**

Gentianales

Apocynaceae

Lacmellea sp. **np**

Rauvolfia sp. **np**

Stemmadenia donnell-smithii Woodson **np**

Lamiales

Boraginaceae

Cordia sp. **np**

C. alliodora Cham. **c**

C. hebeclada I.M.Johnst. **a**

hair bases

[trichome](#)

C. lutea Lam. **c**

discrete epid. non-quads

hair bases

[stomate](#)

trichomes

Verbenaceae

Avicennia germinans (L.) Stearn **np**

A. nitida Jacq. **np**

Cornutia microcalycina Moldenke **a**

Tectona grandis L.f. **c**

Verbena litoralis Kunth **a**

Laurales

Lauraceae

Aniba hostmanniana Mez **a**

[hair base](#)

scierids

stomate

Beilschmiedia alloiophylla (Rusby) Kosterm. **c**

smooth sphere

Caryodaphnopsis fosteri H.van der Werff **a**

discrete epid. non-quads

C. tomentosa H.van der Werff **np**

Chlorocardium venenosum (Kosterm. & Pinkley)

J.G.Rohwer, H.G.Richter & H.van der Werff **a**

seed epid. non-quads

Cryptocarya aschersoniana Mez **p**

C. guianensis Meisn. **np**

Endlicheria sp. **np**

Licaria cannella (Meisn.) Kosterm. **np**

L. macrophylla (A.C.Sm.) Kosterm. **np**

Nectandra cuspidata Nees **c**

N. globosa Mez **c**

hair base

Ocotea sp. **np**

O. aciphylla (Nees & Mart.) Mez **np**

O. puberula Nees **np**

O. quixos (Lam.) Kosterm. **nc**

Pleurothyrium cuneifolium Nees **np**

P. trianae (Mez) J.G.Rohwer **np**

Rhodostemonodaphne kunthiana (Nees) J.G.Rohwer

np

Lecythidales

Lecythidaceae

Eschweilera sp. **np**

Grias neuberthii J.F.Macbr. **np**

Gustavia dodsonii S.A.Mori **np**

Liliales

Liliaceae

Aloe vera (L.) Burm.f. **np**

Linales

Humiriaceae

Humiriastrum procerum (Little) Cuatrec. **a**

Magnoliales

Annonaceae

Anaxagorea crassipetala Hemsl. **np**

Annona muricata L. **nc**

Duguetia sp. **a**

faceted sphere

Raimondia cherimolioides R.E.Fries **np**

Rollinia mucosa Jacq. **a**

Malvales

Bombacaceae

Ceiba pentandra (L.) Gaertn. **np**

Huberodendron patinoi Cuatrec. **a**

stomata

Matisia coloradocum Benoist **c**

Matisia coriandrorum Benoist **c**

M. cordata Humb. & Bonpl. **a**

M. longipes Little **a**

cystolith

hairs:

stomate

Ochroma pyramidalis Urb. **a**

nodular spheres:

Pachira aquatica Aubl. **a**

discrete epiderm. non-quads:

faceted sphere

hair bases:

stomata:

Pseudobombax millei (Standl.) A.Robyns **a**

cystoliths:

nodular spheres:

trichomes:

Quararibea grandifolia (Little) Cuatrec. **a**

cystolith

hairs:

hair base

schlerid

Elaeocarpaceae

Sloanea sp. **c**

Sterculiaceae

Guazuma ulmifolia Lam. **p**

hair base

Sterculia sp. **np**

Myrtales

Combretaceae

Conocarpus erectus L. **np**

Laguncularia racemosa Gaertn. **nc**

Terminalia amazonia Exell **nc**

Piperales

Chloranthaceae

Hedyosmum cumbalense H.Karst. **a**

H. goudotianum Solms **a**

seed epid. non-quads:

Polygalales

Malpighiaceae

Byrsonima crassifolia (L.) Kunth **np**

Ranunculales

Coriariaceae

Coriaria thymifolia Humb. & Bonpl. ex Willd. **a**

Rosales

Chrysobalanaceae

Licania celiae Prance **np**

L. longistyla Fritsch **c**

discrete epid. non-quad

L. platypus Fritsch **a**

Cunoniaceae

Weinmannia brachystachya Willd. ex Engl. **c**

Sapindales

Anacardiaceae

Astronium graveolens Jacq. **a**

Loxopterygium huasango Spruce **c**

Schinus molle L. **np**

Spondias mombin L. **a**

S. purpurea L. **a**

Burseraceae

Bursera graveolens Triana & Planch. **nc**

B. simaruba (L.) Sarg. **a**

Crepidospermum rhoifolium Triana & Planch. **p**

Dacryodes peruviana (Loes.) Lam. **nc**

Protium fimbriatum Swart **a**

seed epid. non-quads:

Trattinnickia peruviana Loes. **a**

hair bases:

seed epid. non-quads:

[trichome](#)

Hippocastanaceae

Billia columbiana Planch. & Linden **np**

Scrophulariales

Bignoniaceae

Arribidaea chica (Humb. & Bonpl.) B.Verl **a**

Exarata chocoensis A.H.Gentry **np**

Jacaranda copaia D.Don **c**

Tabebuia ochracea Standl. **np**

Theales

Clusiaceae

Chrysochlamys membranacea Planch. & Triana **np**

Garcinia macrophylla Mart. **r**

Marila grandiflora Griseb. **c**

Tovomita weddeliana Planch. & Triana **np**

Hypericaceae

Hypericum struthiolaefolium Juss. **np**

Urticales

Ulmaceae

Celtis schippii Standl. **a**

discrete epid. non-quads:

Trema integerrima Standl. **a**

T. micrantha (L.) Blume **a**

hairs:

[hair base](#)

Violales

Bixaceae

Bixa orellana L. **c**

Flacourtiaceae

Casearia sp. **np**

C. sylvestris Sw. **a**

cystoliths:

Hasseltia floribunda H. B. & K. **a**

Miconia sp. (C. ...)

Neosprucea granaiora (Spruce) Sleumer **np**
N. pedicellata Little **r**
Pleuranthodendron lindenii (Turcz.) Sleumer **a**
hair bases:
Tetrathylacium macrophyllum Poepp. & Endl. **a**
hair base
Passifloraceae
Passiflora edulis Sims **c**

Zingiberales

Cannaceae
Canna glauca L. **a**
C. jaegeriana Urb. **a**
smooth sphere
Marantaceae
Calathea sp. **np**
C. altissima (Poepp. & Endl.) Koern. **a**
seed epid. non-quads:
C. crotalifera S.Watson **a**
nodular sphere
seed epid. non-quads:
C. insignis Petersen **a**
C. marantina (Willd. ex Koern.) K.Koch **a**
seed epid. non-quads:
C. peoppigiana Loesener ex H.Kennedy **a**
Ischnosiphon inflatus L.Andersson **a**
seed epid. non-quads:
I. longiflorus ssp. angustifolius L.Andersson **a**
Maranta arundinacea L. **a**
conical bodies and nodular spheres
seed epid. non-quads:
M. gibba Sm. in Rees **a**
conical bodies:
nodular sphere
rugulose sphere
seed epid. non-quads:
Monotagma laxum (Poepp. & Endl.) K.Schum **a**
Thalia geniculata L. **a**
Zingiberaceae
Renealmia oligosperma K.Schum. **a**