

COLO Bryophyte Type Specimens

Acanthocladium papillatum Zanten
Acrobolbus rhizophyllus Sharp
Acroporium novae-guineae Bartr.
Acroporium novoguinese Bartr.
Acroporium percaudatum Bartr.
Acroporium percaudatum Bartr.
Aerobryopsis scariosa Bartr.
Amblystegium americanum Grout
Amblystegium mexicanum Card.
Anacolia menziesii forma brevifolia Flow. n. form.
Anastrepta orcadensis (Hook.) Schffn. var. elongata Schffn.
Anastrepta orcadensis (Hook.) Schffn. var. elongata Schffn.
Anastrepta orcadensis (Hook.) Schffn. var. elongata Schffn. f. tenuis
Anastrepta orcadensis (Hook.) Schffn. var. grandifolia Schffn.
Anastrepta orcadensis (Hook.) Schffn. var. nova paludosa Schffn.
Anastrophyllum jörgensenii Schffn.
Anastrophyllum mayebarae Hatt.
Andraeaobryum macrosporum Steere & Murray
Andraea cucullata Dixon
Andraea nivalis Baileyi n. var. Holz
Anoetangium liebmanni Sch. var. viride Card. n. var.
Anoetangium skottsbergii Broth.
Anomobryum mucronulatum Card.
Anomobryum plicatum Card.
Anthelia julacea (Lightf.) Dum. var. nana Schffn.
Anthoceros (Aspiromitus) argillaceus St.
Anthoceros crispulus (Mont.) Douin.
Anthoceros moldavicus Tarnav.
Anthoceros moldavicus Tarnavschi
Anthoceros stableri Steph.
Anthoceros weistii Khanna
Aplozia pusilla C. Jensen
Aplozia rivularis Schffn.
Asterella sanoana Shimizu et Hattori
Astomiopsis pacifica Buck & Landrum
Astomum occidentale Flowers
Athalamia glauco-virens fo. subsessilis Shim. et Hatt.
Atractylocarpus dicranoides Dixon
Atrichum conterminum Cardot
Barbula altiseta Cardot
Barbula andraeoides Kindberg
Barbula bakeri Cardot & Theriot
Barbula beschernellei Sauerb. var. stenocarpa Cardot
Barbula beschernellei Sauerb. var. stenocarpa Cardot

COLO Bryophyte Type Specimens

Barbula hypselostegia Cardot
Barbula lozanoi Cardot
Barbula nipponica Nog.
Barbula nipponica Nog. var. gracilis Nog.
Barbula pringlei Cardot
Barbula robbinsii Bartram
Barbula spiralis Sch. var. emarginata Cardot
Barbula subandreaeoides Kindberg
Barbula subteretiuscula Cardot
Bartramia afro-stricta C. Muell.
Bartramia brachypus Bruch. & Schimp. ex C. Muell.
Bartramia mohriana C. Muell.
Bartramia subulata BSG ssp americana
Bartramia sulcata (Broth. in sched.) Dixon
Brachymenium condensatum R.S. Williams
Brachymenium imbricatum Schimper var. validinervium Cardot
Brachymenium imbricatum Schimper var. validinervium Cardot
Brachymenium lozanoi Cardot var. angustatum Cardot
Brachymenium muenchii Brotherus
Brachymenium muricola Brotherus
Brachymenium squarrosulum Cardot
Brachymenium squarrosulum Cardot
Brachymenium vinosulum Cardot
Brachymenium wabagense (Bartram) T.J. Koponen & D.H. Norris
Brachythecium delicatulum Flowers
Brachythecium flexinerve Cardot
Brachythecium hastifolium Cardot
Brachythecium hylocomoides Cardot
Brachythecium lamprochryseum C.M. & Kindb. var. giganteum Grout
Brachythecium lanceolifolium Card. var. gracile Card.
Brachythecium nelsonii var. intermedium Flowers
Brachythecium plumosum Br. Eu. var. sublaevipes Card.
Brachythecium tenuinerve Card.
Brachythecium tenuinerve Card.
Brachythecium wootonii Grout
Braunia plicata Mitt. var. canescens Card.
Brotherobryum undulatifolium Zanten
Bryhnia hultenii Bartr.
Bryhnia sublaevifolia Broth. et Par. var. acuminata Nog.
Bryoxiphium madeirense Löve & Löve
Bryoxiphium madeirense Löve & Löve
Bryum biddlecomiae Austin
Bryum brassii Bartr.
Bryum crassulum E. B. Bartram
Bryum incrassolimbatum Cardot

COLO Bryophyte Type Specimens

Bryum insolitum Cardot
Bryum laxulum Cardot
Bryum mayebarae Nog.
Bryum microbalanum Cardot
Bryum nitidulum Lindb.
Bryum subalbulum Thér. var. robustum Pot. De la V.
Bryum subversicolor Cardot
Buxbaumia viridis Brid.
Callicostella aiomensis Bartr.
Callicostella submonofaria Brotherus
Calliergon wickesiae Grout
Calymperes carrii Dixon
Calypogeia marginella Mitten
Calypogeia meylanii Buch
Calypogeia pringlei Underwood
Calypogeia submersa (Arn.) Warnst.
Camptothecium woldenii Grout
Campylopus arboricola Cardot
Campylopus aspericuspes Ther. & Pot. De la V.
Campylopus assimilis Ther. & Pot. De la V.
Campylopus clemensiae Bartr.
Campylopus galapagensis Frahm & Sipmah
Campylopus handelii Broth.
Campylopus handelii Broth. var. setschwanicus Broth.
Campylopus robbinsii Bartr.
Campylopus serricuspes Thér. et. Pot. de la V.
Campylopus subobrutus Thériot et P. de la V.
Campylopus torrentis Thériot et Pot de la V.
Campylopus wabagensis Bartr.
Cephalozia macrostachya Kaal.
Cephalozia mayebarae S. Hattori
Cephaloziella baumbartneri Schffn. var. umbrosa Schffn.
Cephaloziella compacta (Jörgens) K. Müll.
Cephaloziella gracillima Douin
Cephaloziella latzeliana Schffn.
Cephaloziella nicholsonii Douin et Schffn.
Cephaloziella phyllacantha Massal. et Car.
Ceratodon heterophyllus Kindb.
Chaetomitriopsis diversifolia Zant.
Chaetomitrium integrifolium Bartr.
Chaetomitrium madangense E. B. Bartram
Chaetomitrium papuanum E. B. Bartram
Chiloscyphus decurrens (R. Bl. N.) Nees var. speciosus Schffn.
Cirriphyllum brandegei Austin
Conostomum curvirostre (Mitt.) Par.

COLO Bryophyte Type Specimens

Conostomum lorentzii C.M.
Cyathodium smaragdinum Schffn.
Cyclodictyon humectatus Cardot
Dactylhymenium pringlei (Britt.) Cardot
Desmatodon arenaceus Sull. & Lesq.
Desmatodon plinthobius Sull. & Lesq.
Dicranella exilis Sull.
Dicranella pseudolongirostris Cardot
Dicranella sphaerocarpa Cardot
Dicranoloma daymanianum Bartr.
Dicranoloma plicatum Bartr.
Dicranoweisia macrocarpa Bartr.
Dicranum pallidisetum (J.W. Bailey) Ireland
Dicranum praemorsum Sull.
Didymodon alticaulis Bartram
Didymodon incrassatolimbatus Cardot
Didymodon stenopyxis Cardot
Diplophyllum gymnostomophilum Kaal.
Distichophyllum brevicuspidatum Bartram
Distichophyllum japonicum Noguchi
Drepanocladus crassicosatus Janssens
Drepanolejeunea moluccensis Herzog
Ectropothecium campanulatum Mitt.
Ectropothecium diminutum Bartr.
Ectropothecium robbinsii Bartr.
Encalypta ciliata Hedw. var. pilifera Flowers
Erpodium opuntiae Cardot
Erythrodontium densum (Hook.) Par. var. brevifolium Cardot
Eucamptodon robbinsii Bartr.
Eurhynchium vagans (Jaeg.) Bartr. var. robustum Ignatov
Fabronia bartramii Grout
Fissidens flexifolius Bartr.
Fissidens hallianus (Sull. & Lesq.) Mitt.
Fissidens obtusifolius Wilson var. marginatus Flowers
Fissidens reesei Crum & Anderson
Fissidens subspathulatus Dixon
Floribundaria nipponica A. Noguchi
Fontinalis allenii Cardot
Fontinalis biformis Sull. & Lesq. forma vernalis
Fontinalis biformis Sull. forma aestivalis
Fontinalis eatonii Sull.
Fontinalis neomexicana Sull.
Fontinalis redfearnii Allen
Forsstroemia mexicana Cardot
Forsstroemia rigida Dixon

COLO Bryophyte Type Specimens

Fossombronia alaskana Steere et Inoue
Fossombronia echinata Macvicar
Fossombronia fleischeri Osterwald
Fossombronia loitlesbergeri Schffn.
Frullania inconstans Verd.
Frullania mayebarae Hatt.
Funaria subintegra Broth.
Garovaglia papuana Dixon
Garysmithia bifurcata Steere
Grimmia agassizii (Sull. & Lesq.) L. & J.
Grimmia arctolimnia Steere
Grimmia atricha C. Muell. & Kindb. in Macoun
Grimmia cinclidodonteia C. Muell.
Grimmia hartmanii var. fastigiata Ther. & [Mouf.]
Grimmia longipes Brotherus
Grimmia moxleyi R. S. Williams
Grimmia praetermissa Cardot
Grimmia pulla Cardot
Grimmia subincurva Austin
Gymnostomum uvidum Cardot
Gyrothya underwoodiana M.A. Howe
Haplocladium schwetschkeoides (Card.) Broth. var. longisetum Noguchi
Haplozia javanica Schffn. var. nicholsonii Schffn.
Homomallium mexicanum Cardot
Hookeriopsis collicostelloides Herz. & Ther.
Hookeriopsis heteroica Cardot
Husnotiella revoluta Cardot
Husnotiella revoluta Cardot
Hygrohypnum angustirete Dixon
Hyophila lingulata Cardot
Hypnobartlettia fontana Ochyra
Hypnum deplanatum Cardot
Hypnum lepturum Tayl.
Isopterygium cylindrocarpum Cardot
Isopterygium flaviusculum (Müll. Hal.) Brotherus
Isotachis indica Mitten
Jackiella javanica Schiffner
Jackiella singaporensis Schiffner
Jamesoniella verdoornii Schiffner
Jungermannia hiugaensis Amakawa
Jungermannia plagiochiloides Amakawa
Jungermannia potamophila Mueller
Jungermannia rupicola Amakawa
Jungermannia senjoensis Amakawa
Juratzkaea seminervis (Kse) Lor. fo. nova pilifera Theriot

COLO Bryophyte Type Specimens

Lembidium latifolium Schiffner
Lepidolaena weindorferi Herzog
Lepidopilum pringlei Cardot
Lepidozia brevifolia Mitt. var. planifolia Schiffner
Lepidozia minutifolia Steph.
Lepidozia trichoclados C. Mueller
Lepidozia trichoclados C. Mueller
Lepidozia trichoclados C. Mueller
Leptodon immersum Sullivant & Lesquereux
Leptodontium flexifolium (With.) Hampe var. americanum (Grout) Grout
Leptopterigynandrum stricticaule Brotherus
Leucobryum angustissimum Brotherus
Leucobryum brassii Bartram
Leucobryum glaucovirens Cardot
Leucodon nipponicus Noguchi
Lindbergia maritima Lewinsky
Lophozia grandiretis (S.O. Lindb.) Schiffner var. humilis Schiffner
Macromitrium capillicaule C. Mueller ex Brotherus
Macromitrium daymannianum Bartram
Macromitrium perdensifolium Dixon
Macromitrium pullenii Vitt
Macromitrium undosum Cardot
Macrothamniella novoguineensis Bartram
Macrothamniella novo-guinensis Bartram
Macrothamniella robbinsii Bartram
Madotheca spinulosa St.
Marchantia subintegra Mitten
Marchantia subintegra Mitten
Marchesinia trollii Herzog
Marsupella pseudofunckii Hattori
Merceya difficilis Herzog et Theriot
Merceya japonica Reim. et Sakurai
Merceya kinshiana Sakurai
Merceya mollissima Sakurai
Merceya serratinervis Takaki
Merceya sulfatarae Fleisch.
Merceya thermalis Fleisch. var. compacta Fleisch.
Merceyopsis formosica Brotherus ex Sakurai
Merceyopsis hymenostylioides Brotherus
Merceyopsis longirostris (Griff.) B. & D.
Merceyopsis robusta Dixon
Merceyopsis stenophylla Cardot
Meteoriopsis patula (Sw.) Brotherus
Metzgeria mcveanii Kuwahara
Metzgeria mcveanii Kuwahara

COLO Bryophyte Type Specimens

Metzgeria pandanetii Kuwah. et Grolle
Metzgeria weberi Kuwahara
Mielichhoferia (Acropus) porsildii Hag.
Mittenothamnium subthelisteium Cardot
Mnium saximontanum Bowers
Mnium vesicatum Besch. var. ellipticifolium Ther. & Sak.
Moenekemeyera obtusifolia R.S.W.
Mönekemeyera minutifolia C.-Müll.
Myurella careyana Sull.
Neckera neomexicana Cardot
Neckera neomexicana Cardot
Neesioscyphus paramicola
Neolindbergia brassii Bartram
Orthotrichum bartrami R.S. Williams
Orthotrichum flowersii Vitt
Orthotrichum flowersii Vitt
Orthotrichum garrettii Grout & Flowers
Orthotrichum lozanoi Cardot
Orthotrichum malacophyllum Cardot
Orthotrichum pallens var. crenulatum Vitt
Orthotrichum scaberrimum Brotherus
Orthotrichum texanum Sullivant & Lesquereux
Pallavicinia indica Schiffner
Pallavicinia indica Schiffner
Peltolepis quadrata var. japonica Shimizu & Hattori
Phegmatodon pringlei Cardot
Philonotis (Leiocarpus) sharpii
Philonotis aristifolia Bartram
Philonotis seriata var. gracilescens Dismier
Philonotis viridans Cardot
Physcomitrella californica Crum & Anderson
Physcomitrium haringiae Grout
Plagiochila amphigastriata Herzog
Plagiochila carrii Herzog
Plagiochila confundens L. et G. var. alpinoides Herzog
Plagiochila crassitexta Steph. var. robusta Herzog
Plagiochila deltoidea Lindenb. var. pachydictyon Herzog
Plagiochila irrigata Herzog
Plagiochila monticola Schiffner
Plagiochila monticola Schiffner
Plagiochila semidecurrens L. & L. var. grossidens Herz.
Plagiochila sharpii Blomquist
Plagiochila shimizuana Hattori
Plagiochila subpeculiaris Herzog
Plagiochila vittiana H. Inoue

COLO Bryophyte Type Specimens

Plagiochila wilhelmina Inoue
Plagiothecium brevicuspes Brotherus
Plectocolea hattoriana Amakawa
Plectocolea rubripunctata S. Hattori
Pleuridium californicum Grout
Pleuridium ravenelii Aust.
Pogonatum barnesii Cardot
Pogonatum hirtellum Kelly
Pogonatum sinuatodentatum Cardot
Pohlia andrewsii J. Shaw
Pohlia andrewsii J. Shaw
Pohlia tundrae J. Shaw
Pohlia tundrae J. Shaw
Polytrichadelphus papuanus Bartram
Porella pinnata var (or ssp) taylori Schuster
Porella pinnata var (or ssp) taylori Schuster
Pottia randii Kennedy
Pringleella pleuridioides Cardot
Prionodon solorzanoi Cardot
Pseudocrossidium apiculatum R.S. Williams
Pseudoleskea baileyi Best & Grout
Pseudoleskeopsis hattori Noguchi
Pycnolejeunea meyeniana (G. Lindenb., Nees) St. var ligulata Hoffm.
Pycnolejeunea obtusilobula S. Hattori
Racomitrium norrisii Bednarek-Ochyra & Ochyra
Radula alstonii Castle
Rhamphidium rechingeri J. Baumg.
Rhaphidostegium lozanoi Cardot
Rhynchostegiella smithii Bartram
Rhynchostegium gracilescens Brotherus
Rhynchostegium pringlei Cardot
Rhynchostegium pringlei Cardot
Riccardia elongata Schiffner
Riccardia elongata Schiffner
Riccardia hendersonii Schiffner
Riccardia maxima Schiffner
Riccia baumgartneri Schiffner
Riccia handelii Schiffner
Riccia ianthina Jov.-Ast.
Riccia latzelii Schiffner
Riccia limicola Jovet-Ast
Riccia perennis Stephani
Riccia pseudo-frostii Schiffner
Riccia pseudo-frostii Schiffner
Riccia subbifurca Warnst.

COLO Bryophyte Type Specimens

Riccia treubiana St. var. subrufescens Schiffner
Riella affinis Howe & Underwood
Riella americana Underwood & Howe
Rozea petrophila R.S. Williams
Scapania calcicola (Arnell & Perss.) Ingham
Scapania crassiretis Bryhn
Scapania gigantea Horikawa
Scapania jörgensenii Schiffner ex K. Müller
Scapania kaalaasii K. Müller
Scapania kaurini Ryan
Scapania obliqua (Arnell) Schiffner
Scapania paludosa K. Müller
Scapania paludosa K. Müller var vogesiaca K. Müller
Scapania scandica (Arnell & Buch.) Schiffner
Schistidium bryhnii Hagen
Schistochila recurvata Buch
Schlotheimia longiseta Dixon
Schlotheimia sinensis Bartram
Sciadocladus nova guineae Dixon
Sciaromnium sinense Brotherus
Scopelophila ligulata Spruce
Scopelophila simlaensis Brotherus
Sematophyllum mandobboense Zanten
Sematophyllum tenuicarpum R.S. Williams
Sphagnum amazonicum Crum & Buck
Sphagnum antarense Zant.
Sphagnum bourbonense Crum
Sphagnum carlottae Andrus
Sphagnum macrophyllum Bernh. var. burinense
Spiridens perichaetialis Bartram & Willis
Splachnobryum kieneri R. S. Williams
Stereophyllum mexicanum R.S. Williams
Stereophyllum turgidulum Cardot
Stereophyllum wrightii (Sull.) R. & C.
Symphysodontella parvifolia Bartram
Synthetodontium pringlei Cardot
Syrrhopodon albo-virens Bartram
Syrrhopodon floridana Sullivant & Lesquereux
Syrrhopodon mujuensis Zant.
Syrrhopodon planifolius Pot. de la V.
Syrrhopodon robbinsii Bartram
Taxilejeunea galapagensis Onr.
Taxithelium archboldii Bartram
Taxithelium novae guineae Dixon
Tayloria nepalensis Iwatsuki & Steere

COLO Bryophyte Type Specimens

Tetraplodon australis Sullivant
Thuidium brevisetum Bartram
Thuidium robbinsii Bartram
Thuidium robustum Cardot
Thuidium robustum Cardot
Thuidium toyamae A. Noguchi
Thysananthus richardsonianus Verdoorn
Tortella glareicola T. Christensen
Tortula bistratosa S. Flowers
Tortula bistratosa S. Flowers
Tortula bistratosa S. Flowers
Tortula bistratosa S. Flowers
Tortula caroliniana Andrews
Tortula connectans Cardot
Trachyloma concavifolium Miller & Manuel
Trachypus bicolor Rw. & Hsch. var. simplicicaulis Dixon
Trematodon lozanoi Cardot
Trichosteleum brongersmae Zanten
Trichosteleum novae-guineae Bartram
Trichosteleum robbinsii Bartram
Trichosteleum sepikense Bartram
Trichostomum alpinum Kindberg
Trichostomum crispifolium Noguchi
Ulota cervina Hoe & Crum
Vesicularia stillatitia Cardot
Warburgiella weidenii Zanten
Warnstorfia sarmentosa (Wahlenb.) Hedenas var. flagellare Karczmarx
Weisia andrewsii Bartram
Weissia edentula Sullivant
Weissia perligulata Flowers
Zygodon oligodontus Cardot