

Table 6. Supplementary material. List and frequency of bryophytes in the altitudinal belts of Serra do Mar State Park, São Paulo, southeastern Brazil, with data about sexual system and phytogeographic pattern (Cabrera & Willink, 1980; Gradstein & Costa, 2003; Costa *et al.*, 2011). Sexual system: D = dioicous, M = monoicous, D, M = dioicous and monoicous, P = pseudo-autoicous, ? = unknown. For definition of acronyms of phytogeographic pattern see Table 4

<i>Species</i>	0 m	50 m	400 m	800 m	950 m	1170 m	<i>Sexual system</i>	<i>Phyto-geographic pattern</i>
<i>Acanthocoleus aberrans</i> (Lindenb. & Gottsche) Kruijt	1	2	0	0	0	0	D	Af-Am
<i>Acroporium pungens</i> (Hedw.) Broth.	5	0	1	0	1	0	M	Neo
<i>Aerolindigia capillacea</i> (Hornsch.) M. Menzel	1	0	0	0	1	0	M	Pan
<i>Amphilejeunea reflexistipula</i> (Lehm. & Lindenb.) Gradst.	0	0	2	0	0	0	D	Neo
<i>Anastrophyllum piligerum</i> (Nees) Steph.	0	0	0	0	0	1	D	Pan
<i>Anoplolejeunea conferta</i> (Meissn.) A. Evans	2	0	5	2	4	9	D	Neo
<i>Aphanolejeunea kunertiana</i> Steph.	1	1	1	0	0	0	D	Neo
<i>Aptychopsis pyrrophylla</i> (Müll. Hal.) Wijk & Margad	0	0	0	0	0	1	M	Bra
<i>Archilejeunea fuscescens</i> (Hampe ex Lehm.) Fulford	0	1	0	0	0	0	D	Neo
<i>Archilejeunea parviflora</i> (Nees) Schiffn.	0	3	8	6	0	0	D	Neo
<i>Bazzania aurescens</i> Spruce	3	0	2	1	3	4	D	Neo
<i>Bazzania heterostipa</i> (Steph.) Fulford	10	6	4	6	9	0	D	Atl
<i>Bazzania jamaicensis</i> (Lehm. & Lindenb.) Trevis.	0	0	0	0	1	0	D	Neo
<i>Bazzania phyllobola</i> Spruce	10	0	0	0	2	0	D	Other
<i>Bazzania stolonifera</i> (Sw.) Trevis.	0	0	0	6	4	0	D	Neo
<i>Brachiolejeunea laxifolia</i> (Taylor) Schiffn.	0	0	0	0	0	1	D	Neo
<i>Bryohumbertia filifolia</i> (Hornsch.) J.-P. Frahm	0	0	0	0	2	3	D	Neo
<i>Bryopteris diffusa</i> (Sw.) Nees	6	2	0	0	0	0	D	Neo
<i>Bryopteris filicina</i> (Sw.) Nees	0	0	10	10	5	0	D	Neo
<i>Bryum argenteum</i> Hedw.	0	0	0	0	0	1	D	Cos
<i>Callicostella depressa</i> (Hedw.) A. Jaeger	0	1	0	0	1	0	M	Neo
<i>Callicostella pallida</i> (Hornsch.) Ångstr.	2	9	8	6	7	0	M	Neo

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<i>Species</i>	<i>0 m</i>	<i>50 m</i>	<i>400 m</i>	<i>800 m</i>	<i>950 m</i>	<i>1170 m</i>	<i>Sexual system</i>	<i>Phyto-geographic pattern</i>
<i>Calymperes erosum</i> Müll. Hal.	0	3	0	0	0	0	D	Pan
<i>Calymperes palisotii</i> Schwägr.	1	0	0	0	0	0	D	Cos
<i>Calymperes tenerum</i> Müll. Hal.	2	0	0	0	0	0	D	Pan
<i>Calypogeia laxa</i> Gottsche & Lindenb.	0	0	2	0	0	0	D	Neo
<i>Calypogeia lechleri</i> (Steph.) Steph.	3	6	0	0	0	0	D	Neo
<i>Calypogeia peruviana</i> Nees & Mont.	2	1	0	0	0	0	D	Neo
<i>Calypstrochaeta setigera</i> (Mitt.) W.R. Buck	0	0	0	3	1	0	M	Other
<i>Campylopus griseus</i> (Hornsch.) A. Jaeger	0	0	0	0	0	6	D	Neo
<i>Campylopus heterostachys</i> (Hampe) A. Jaeger	0	0	0	0	0	7	D	Neo
<i>Campylopus occultus</i> Mitt.	0	0	0	0	0	4	D	Neo
<i>Campylopus pilifer</i> Brid.	0	0	0	0	0	5	D	Neo
<i>Campylopus</i> sp.	0	0	0	0	1	0	D	Other
<i>Caudalejeunea lehmanniana</i> (Gottsche) A. Evans	3	4	0	0	0	0	D	Af-Am
<i>Cephalozia crassifolia</i> (Lindenb. & Gottsche) Fulford	0	1	1	0	1	0	D	Neo
<i>Cephaloziella granatensis</i> (J. B. Jack) Fulford	0	0	0	0	0	1	M	Disj
<i>Ceratolejeunea ceratantha</i> (Nees & Mont.) Steph.	0	1	0	0	0	0	D	Disj
<i>Ceratolejeunea cornuta</i> (Lindenb.) Schiffn.	10	9	8	3	4	2	D	Neo
<i>Ceratolejeunea cubensis</i> (Mont.) Schiffn.	4	1	2	4	0	0	D	Neo
<i>Ceratolejeunea fallax</i> (Lehm. & Lindenb.) Bonner	0	0	0	0	1	0	D	Neo
<i>Ceratolejeunea laetefusca</i> (Austin) R.M. Schust.	0	1	0	0	0	0	D	Neo
<i>Ceratolejeunea rubiginosa</i> Gottsche	2	0	8	3	0	0	D	Neo
<i>Cheilolejeunea acutangula</i> (Nees) Grolle	3	0	0	0	1	0	D	Neo

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<i>Species</i>	0 m	50 m	400 m	800 m	950 m	1170 m	<i>Sexual system</i>	<i>Phyto-geographic pattern</i>
<i>Cheilolejeunea holostipa</i> (Spruce) Grolle & R.L. Zhu	4	0	3	0	0	1	D	Neo
<i>Cheilolejeunea inflexa</i> (Hampe ex Lehm.) Grolle	0	0	1	0	0	0	D	Neo
<i>Cheilolejeunea oncophylla</i> (Ångstr.) Grolle & Reiner	0	0	0	0	0	3	D	Neo
<i>Cheilolejeunea rigidula</i> (Mont.) R.M. Schust.	10	4	7	2	0	3	D	Pan
<i>Cheilolejeunea trifaria</i> (Reinw. et al.) Mizut	3	0	0	1	0	0	D	Af-Am
<i>Chyloscyphus martianus</i> (Nees) J.J. Engel & R.M. Schust.	5	10	8	7	9	0	M	Af-Am
<i>Chyloscyphus muricatus</i> (Lehm.) J.J. Engel & R.M. Schust.	0	7	7	8	9	0	M	sT
<i>Cololejeunea cardiocarpa</i> (Mont.) A. Evans	1	0	0	0	0	0	D	Pan
<i>Cololejeunea obliqua</i> (Nees & Mont.) Schiffn.	10	6	0	0	0	0	D	Neo
<i>Cololejeunea platyneura</i> (Spruce) A. Evans	0	1	0	0	0	0	D	Pan
<i>Colura calyptrifolia</i> (Hook.) Dumort.	0	0	0	0	0	1	D	Cos
<i>Colura tortifolia</i> (Nees & Mont.) Steph.	4	1	0	0	0	0	D	Neo
<i>Crossomitrium patrisiae</i> (Brid.) Müll. Hal.	1	10	4	0	0	0	D	Neo
<i>Cyclodictyon limbatum</i> (Hampe) O. Kuntze	0	4	0	2	2	0	M	Neo
<i>Cyclodictyon varians</i> (Sull.) O. Kuntze	0	0	2	1	0	0	M	Neo
<i>Cyclolejeunea convextipa</i> (Lehm. & Lindenb.) A. Evans	0	2	0	0	0	0	D	Neo
<i>Cyclolejeunea luteola</i> (Spruce) Grolle	0	1	3	4	2	0	D	Neo
<i>Cylindrocolea rhizantha</i> (Mont.) R.M. Schust.	0	0	2	1	0	0	D	Neo
<i>Daltonia longifolia</i> Tayl.	0	0	0	0	1	0	M	Neo
<i>Diplasiolejeunea brunnea</i> Steph.	6	3	1	1	0	0	D	Neo
<i>Diplasiolejeunea cavifolia</i> Steph.	3	1	0	0	0	0	D	Pan
<i>Diplasiolejeunea pauckertii</i> (Nees) Steph.	0	0	0	0	0	1	D	And
<i>Diplasiolejeunea pellucida</i> (Meissn.) Schiffn.	0	0	3	4	0	0	D	Neo

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<i>Species</i>	0 m	50 m	400 m	800 m	950 m	1170 m	<i>Sexual system</i>	<i>Phyto-geographic pattern</i>
<i>Donnellia commutata</i> (Müll. Hal.) W.R. Buck	0	0	1	0	1	2	M	Neo
<i>Drepanolejeunea anoplanta</i> (Spruce) Steph.	0	0	1	0	0	1	D	Neo
<i>Drepanolejeunea araucariae</i> Steph.	0	0	0	0	1	2	D	TSA
<i>Drepanolejeunea biocellata</i> A. Evans	0	1	0	0	0	0	D	Neo
<i>Drepanolejeunea mosenii</i> (Steph.) Bischl.	7	1	3	5	4	0	D	Neo
<i>Dumortiera hirsuta</i> (Sw.) Nees	0	0	1	1	0	0	M	Other
<i>Ectropothecium leptochaeton</i> (Schwägr.) W.R. Buck	0	2	1	1	2	0	M	Neo
<i>Fissidens zollingeri</i> Mont.	2	10	0	0	1	0	M	Pan
<i>Floribundaria flaccida</i> (Mitt.) Broth.	0	2	0	3	5	1	D	Neo
<i>Frullania apiculata</i> (Rewin. <i>et al.</i>) Nees	0	0	0	0	0	7	D	Pan
<i>Frullania atrata</i> (Sw.) Nees	0	0	0	0	1	8	D	Neo
<i>Frullania brasiliensis</i> Raddi	0	1	0	2	5	5	D	Neo
<i>Frullania caulisequa</i> (Nees) Nees	4	1	3	1	2	5	D	Neo
<i>Frullania ericoides</i> (Nees) Mont.	0	0	0	0	0	4	D	Pan
<i>Frullania kunzei</i> (Lehm. & Lindenb.) Lehm. & Lindenb.	1	1	0	0	0	9	D	Neo
<i>Frullanoides densifolia</i> Raddi	0	0	0	0	1	0	D	Neo
<i>Haplolejeunea cucullata</i> (Steph.) Grolle	0	0	4	3	2	0	D	Af-Am
<i>Harpalejeunea oxyphylla</i> (Nees & Mont.) Steph.	5	0	0	0	0	0	D	Neo
<i>Harpalejeunea stricta</i> (Lindenb. & Gottsche) Steph.	4	0	7	2	5	8	D	Neo
<i>Harpalejeunea tridens</i> (Besch. & Spruce) Steph.	0	0	0	0	0	2	D	Neo
<i>Helicodontium capillare</i> (Hedw.) A. Jaeger	2	0	0	0	0	0	D	Neo
<i>Herbertus juniperoideus</i> ssp <i>bivittatus</i> (Spruce) Feldberg & Heinrichs	0	0	0	0	0	7	D	Neo

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<i>Species</i>	0 m	50 m	400 m	800 m	950 m	1170 m	<i>Sexual system</i>	<i>Phyto-geographic pattern</i>
<i>Heterocysphus combinatus</i> (Nees) Schiffn.	0	0	0	1	0	0	M	Neo
<i>Holomitrium arboreum</i> Mitt.	0	0	0	0	0	2	P	Neo
<i>Holomitrium crispulum</i> Mart.	4	0	0	0	0	3	P	Neo
<i>Holomitrium olfersianum</i> Hornsch.	0	0	0	0	0	1	P	Neo
<i>Homalia glabella</i> (Hedw.) Bruch & Schimp.	1	0	10	10	3	0	D	Neo
<i>Homaliodendron piniforme</i> (Brid.) Enroth	0	3	9	8	0	0	D	Neo
<i>Hookeria acutifolia</i> Hook. & Grev.	2	1	0	0	1	0	M	Cos
<i>Hymenodon aeruginosus</i> (Hook f. & Wilson) Müll. Hal.	0	0	0	3	1	0	D	Neo
<i>Hypopterygium tamarisci</i> (Sw.) Brid.	0	3	0	2	2	0	M	Cos
<i>Isodrepanium lentulum</i> (Wilson) E. Britton	0	0	1	2	0	0	D	Neo
<i>Isopterygium subbrevisetum</i> (Hampe) Broth.	1	3	4	1	6	0	M	Neo
<i>Isopterygium tenerum</i> (Sw.) Mitt.	10	10	10	8	10	0	M	Cos
<i>Jaegerina scariosa</i> (Lorentz) Arzeni	1	0	5	0	0	0	D	Pan
<i>Jamesoniella rubricaulis</i> (Nees) Grolle	0	0	0	0	0	10	D	Disj
<i>Kurzia capillaris</i> (Sw.) Grolle	1	0	1	0	0	1	D	Af-Am
<i>Leiomelea bartramioides</i> (Hook.) Paris	0	0	0	0	2	0	D, M	Pan
<i>Lejeunea cerina</i> (Lehm. & Lindenb.) Gottsche	4	0	1	3	6	1	D	Neo
<i>Lejeunea controversa</i> Gottsche	6	9	6	5	1	0	D	Neo
<i>Lejeunea elliottii</i> Spruce	0	0	0	0	2	0	M	Neo
<i>Lejeunea filipes</i> Spruce	0	0	1	0	0	0	M	Neo
<i>Lejeunea flava</i> (Sw.) Nees	10	4	7	7	9	1	D	Pan
<i>Lejeunea huctumalcensis</i> Lindenb.	1	4	2	0	0	0	D	Neo
<i>Lejeunea immersa</i> Spruce	0	5	4	3	4	0	D	Neo
<i>Lejeunea laetevirens</i> Nees & Mont.	10	3	6	6	5	1	D	Neo
<i>Lejeunea magnoliae</i> Lindenb. & Gottsche	4	0	0	0	0	0	D	Neo
<i>Lejeunea obtusangula</i> Spruce	0	2	1	1	2	0	D	Neo

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<i>Species</i>	0 m	50 m	400 m	800 m	950 m	1170 m	<i>Sexual system</i>	<i>Phyto-geographic pattern</i>
<i>Lejeunea oligoclada</i> Spruce	0	0	0	0	2	0	D	Atl
<i>Lejeunea tapajosensis</i> Spruce	1	1	1	0	0	0	D	Neo
<i>Lepidolejeunea eluta</i> (Nees) R.M. Schust.	0	1	0	0	0	0	D	Neo
<i>Lepidolejeunea involuta</i> (Gottsche) Grolle	1	0	1	0	0	0	D	Neo
<i>Lepidolejeunea ornata</i> (H. Rob.) R.M. Schust	0	0	0	0	1	0	D	Neo
<i>Lepidopilidium brevisetum</i> (Hampe) Broth.	4	3	10	9	9	0	?	Atl
<i>Lepidopilum caudicaule</i> Müll. Hal.	0	0	5	8	4	0	?	Atl
<i>Lepidopilum muelleri</i> (Hampe) Spruce	0	3	2	3	4	0	?	Neo
<i>Lepidopilum ovalifolium</i> (Duby) Broth.	0	0	0	0	2	0	?	Atl
<i>Lepidopilum subsubulatum</i> Geh. & Hampe	0	0	0	4	2	0	M	Atl
<i>Lepidopilum surinamense</i> Müll. Hal.	0	4	0	0	0	0	D	Neo
<i>Leptodontium wallisii</i> (Müll. Hal.) Kindb.	1	0	0	0	2	0	D	Af-Am
<i>Leptolejeunea diversilobulata</i> Bischl.	1	0	1	0	0	0	D	Other
<i>Leptolejeunea elliptica</i> (Lehm. & Lindenb.) Schiffn.	9	0	0	0	1	0	D	Neo
<i>Leptoscyphus amphibolius</i> (Nees) Grolle	0	0	0	0	0	1	D	Neo
<i>Leskeodon aristatus</i> (Geh. & Hampe) Broth.	0	1	3	1	0	0	M	Atl
<i>Leucobryum clavatum</i> Hampe	5	0	0	0	6	0	D	Bra
<i>Leucobryum crispum</i> Müll. Hal.	1	1	0	0	4	2	D	Neo
<i>Leucobryum martianum</i> (Hornsch.) Hampe	1	0	1	0	1	0	D	Neo
<i>Leucolejeunea conchifolia</i> (A. Evans) A. Evans	0	0	0	0	0	2	D	Disj
<i>Leucolejeunea unciloba</i> (Lindenb.) A. Evans	0	0	2	1	0	6	D	Af-Am

<i>Species</i>	0 m	50 m	400 m	800 m	950 m	1170 m	<i>Sexual system</i>	<i>Phyto-geographic pattern</i>
<i>Leucolejeunea xanthocarpa</i> (Lehm. & Lindenb.) A. Evans	1	1	0	1	0	10	D	Pan
<i>Leucoloma serrulatum</i> Brid.	5	2	9	10	10	0	D	Neo
<i>Lophocolea bidentata</i> (L.) Dumort.	0	3	3	0	4	0	M	Cos
<i>Lopholejeunea nigricans</i> (Lindenb.) Schiffn.	4	4	0	1	0	0	D	Pan
<i>Lopholejeunea subfusca</i> (Nees) Schiffn.	4	1	0	0	0	0	D	Pan
<i>Macromitrium cirrosum</i> (Hedw.) Brid.	0	0	0	0	0	7	P	Neo
<i>Marchesinia brachiata</i> (Sw.) Schiffn.	0	1	0	1	0	0	D	Af-Am
<i>Mastigolejeunea auriculata</i> (Wilson) Schiffn.	0	0	1	0	0	0	D	Pan
<i>Mastigolejeunea plicatiflora</i> (Spruce) Steph.	0	0	1	0	0	0	D	Neo
<i>Megaceros vincentianus</i> (Lehm. & Lindenb.) Campb.	0	5	1	1	2	0	M	Neo
<i>Metalejeunea cucullata</i> (Reinw. et al.) Grolle	1	0	2	0	2	0	M	Pan
<i>Meteoridium remotifolium</i> (Müll. Hal.) Manuel	5	2	4	6	8	0	D	Neo
<i>Meteorium nigrescens</i> (Hedw.) Dozy & Molk.	3	0	0	1	2	0	D	TSA
<i>Metzgeria albinea</i> Spruce	2	1	2	0	1	0	D	Af-Am
<i>Metzgeria aurantiaca</i> Steph.	3	0	1	0	0	0	D	Neo
<i>Metzgeria auriculata</i> Grolle	0	0	0	0	0	1	D	Disj
<i>Metzgeria brasiliensis</i> Schiffn.	0	10	10	10	5	0	D	Atl
<i>Metzgeria ciliata</i> Raddi	3	1	0	6	4	3	D	Cos
<i>Metzgeria cratoneura</i> Schiffn.	0	0	0	0	5	0	D	Atl
<i>Metzgeria myriopoda</i> Lindenb.	0	0	0	1	1	0	D	Other
<i>Metzgeria</i> sp	0	0	0	0	0	1	D	Other
<i>Microlejeunea bullata</i> (Tayl.) Steph.	3	6	9	9	8	7	D	Neo
<i>Microlejeunea globosa</i> (Spruce) Steph.	2	0	0	0	0	0	D	Neo
<i>Mittenothamnium reptans</i> (Hedw.) Cardot	0	0	0	4	1	0	M	Neo
<i>Monoclea gottschei</i> Gradst. & Mues	0	1	1	0	0	0	D	Neo

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<i>Species</i>	0 m	50 m	400 m	800 m	950 m	1170 m	<i>Sexual system</i>	<i>Phyto-geographic pattern</i>
<i>Monodactylopsis monodactyla</i> (Spruce) R.M. Schust.	2	0	0	0	0	0	D	Neo
<i>Neckeropsis disticha</i> (Hedw.) Kindb.	8	10	5	3	1	0	M	Pan
<i>Neckeropsis undulata</i> (Hedw.) Reichardt	8	8	5	4	2	0	M	Neo
<i>Neurolejeunea breutelii</i> (Gottsche) A. Evans	0	0	0	1	1	2	D	Neo
<i>Ochrobryum gardneri</i> (Müll. Hal.) Lindb.	8	10	7	1	0	0	D	Af-Am
<i>Octoblepharum albidum</i> Hedw.	10	10	4	0	0	0	D	Neo
<i>Octoblepharum pulvinnatum</i> (Dozy & Molke.) Mitt.	5	1	0	0	0	0	D	Neo
<i>Odontochisma denudatum</i> (Nees) Dumort.	0	0	0	0	0	3	D	Cos
<i>Odontolejeunea lunulata</i> (Weber) Schiffn.	0	0	0	0	2	0	D	Af-Am
<i>Odontolejeunea rhomalea</i> (Spruce) Steph.	0	1	0	0	0	0	D	Neo
<i>Omphalanthus filiformis</i> (Sw.) Nees	0	0	0	5	5	7	D	Neo
<i>Orthostichella pentasticha</i> (Brid.) W.R. Buck	3	0	6	8	8	0	D	Af-Am
<i>Paracromastigum</i> sp.	0	0	0	1	0	0	?	Other
<i>Pelekium schistocalyx</i> (Müll. Hal.) Touw	0	0	0	0	2	0	M	Other
<i>Philonotis cernua</i> (Wils.) Griffin & Buck	0	0	0	0	0	1	M	Cos
<i>Philonotis elongata</i> (Dism.) H.A. Crum & Steere	0	0	0	1	0	0	D	Neo
<i>Phyllogonium viride</i> Brid.	5	0	2	9	7	0	D	Af-Am
<i>Pilotrichum evanescens</i> (Müll. Hal.) Müll. Hal.	1	3	3	0	0	0	D	Neo
<i>Pinnatella minuta</i> (Mitt.) Broth.	0	1	1	1	0	0	D	Af-Am
<i>Plagiochila bifaria</i> (Sw.) Lindenb.	0	0	0	0	1	7	D	Other
<i>Plagiochila corrugata</i> (Nees) Nees & Mont.	1	1	0	0	1	0	D	Af-Am

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<i>Species</i>	0 m	50 m	400 m	800 m	950 m	1170 m	<i>Sexual system</i>	<i>Phyto-geographic pattern</i>
<i>Plagiochila cristata</i> (Sw.) Lindenb.	1	0	0	1	0	0	D	Neo
<i>Plagiochila disticha</i> (Lehm. & Lindenb.) Lindenb.	10	5	0	3	2	1	D	Neo
<i>Plagiochila gymnocalycina</i> (Lehm. & Lindenb.) Lindenb.	0	1	0	1	0	0	D	Neo
<i>Plagiochila martiana</i> (Nees) Lindenb.	7	8	4	0	5	0	D	Neo
<i>Plagiochila patentissima</i> Lindenb.	7	6	0	10	9	1	D	Neo
<i>Plagiochila patula</i> (Sw.) Lindenb.	4	6	10	8	5	3	D	Neo
<i>Plagiochila rutilans</i> Lindenb.	4	6	8	3	3	0	D	Neo
<i>Plagiochila simplex</i> (Sw.) Lindenb.	0	0	0	0	5	1	D	Neo
<i>Plagiochila vincentina</i> Lindenb.	0	0	0	0	0	2	D	Neo
<i>Plagiomnium rhynchophorum</i> (Hook.) T.J. Kop.	0	0	0	1	0	0	M	Cos
<i>Polytrichadelphus</i> <i>psseudopolytrichum</i> (Raddi) G.L. Smith	0	0	0	0	0	2	D	Other
<i>Polytrichum juniperinum</i> Hedw.	0	0	0	0	0	5	D	Cos
<i>Porella brasiliensis</i> (Raddi) Schiffn.	0	1	2	6	6	0	D	Atl
<i>Porotrichum longirostre</i> (Hook.) Mitt.	0	0	1	10	10	0	D	Neo
<i>Porothichum substriatum</i> (Hampe) Mitt.	6	10	8	3	2	0	D	Af-Am
<i>Prionolejeunea aemula</i> (Gottsche) A. Evans	3	5	4	2	5	0	M	Neo
<i>Pycnolejeunea contigua</i> (Nees) Grolle	0	0	2	0	0	0	D	Pan
<i>Pyrrhobryum spiniforme</i> (Hedw.) Mitt.	1	0	3	7	6	0	M	Cos
<i>Racopilum tomentosum</i> (Hedw.) Brid.	0	1	0	6	8	0	M	Cos
<i>Radula javanica</i> Gottsche	0	0	0	4	7	1	D	Pan
<i>Radula ligula</i> Steph.	0	9	8	8	5	0	D	Atl
<i>Radula mammosa</i> Spruce	0	1	0	0	0	0	D	Neo
<i>Radula nudicaulis</i> Steph.	0	0	2	9	8	0	D	Disj
<i>Radula recubans</i> J. Taylor	6	8	7	2	1	0	D	TSA
<i>Radula tenera</i> Mitt. ex Steph.	0	0	0	0	0	2	D	CCA

Table 6. Supplementary material. List and frequency of bryophytes in the altitudinal belts of Serra do Mar State Park, São Paulo, southeastern Brazil, with data about sexual system and phytogeographic pattern (Cabrera & Willink, 1980; Gradstein & Costa, 2003; Costa *et al.*, 2011). Sexual system: D = dioicous, M = monoicous, D, M = dioicous and monoicous, P = pseudo-autoicous, ? = unknown. For definition of acronyms of phytogeographic pattern see Table 4 (*continued*)

<i>Species</i>	0 m	50 m	400 m	800 m	950 m	1170 m	<i>Sexual system</i>	<i>Phyto-geographic pattern</i>
<i>Radula voluta</i> Tayl.	0	0	0	2	1	0	D	Cos
<i>Rectolejeunea berteorana</i> (Gottsche <i>ex</i> Steph.) A. Evans	0	0	2	1	0	0	D	Neo
<i>Rhodobryum beyrichianum</i> (Hornsch.) Müll. Hal.	0	1	0	0	1	5	D?	Neo
<i>Rhynchostegium serrulatum</i> (Hedw.) A. Jaeger	0	0	0	0	1	0	M	Other
<i>Riccardia digitiloba</i> (Spruce <i>ex</i> Steph.) Pagán	4	3	5	2	3	1	M	Bra
<i>Riccardia glaziovii</i> (Spruce) Meenks	0	0	0	0	0	2	M	Neo
<i>Riccardia regnelli</i> (Åongstr.) Hell	0	4	0	0	2	0	M	Cos
<i>Saccogynidium caldense</i> (Åongstr.) Grolle	0	0	0	0	1	0	D	Atl
<i>Schlotheimia rugifolia</i> (Hook.) Schwägr.	6	0	0	1	1	4	P	Other
<i>Schlotheimia jamesonii</i> Brid.	0	0	0	0	0	5	P	Neo
<i>Schlotheimia tecta</i> Hook. & Wilson	0	0	0	0	0	10	P	Neo
<i>Sematophyllum subpinnatum</i> (Brid.) E. Britton	8	3	4	1	4	2	M	Pan
<i>Sematophyllum subsimplex</i> (Hedw.) Mitt.	7	1	6	4	5	5	M	Neo
<i>Sematophyllum swartzii</i> (Schwägr.) W.H. Welch & H.A. Crum	3	1	1	3	3	0	M	Neo
<i>Sphagnum submedium</i> Warnst.	0	0	0	0	0	3	?	Atl
<i>Squamidium brasiliense</i> Broth.	3	0	0	5	6	0	D	Af-Am
<i>Squamidium isocladum</i> (Renauld & Cardot) Broth.	1	0	2	3	0	0	D	Neo
<i>Squamidium leucotrichum</i> (Tayl.) Broth.	0	0	0	2	0	0	D	Neo
<i>Squamidium nigricans</i> (Hook.) Broth.	1	1	0	0	0	0	D	Neo
<i>Stictolejeunea squamata</i> (Willd. <i>ex</i> Weber) Schiffn.	0	4	6	0	0	0	D	Neo
<i>Symbiezidium barbiflorum</i> (Lindenb. & Gottsche) A. Evans	6	7	5	4	0	0	D	Neo

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<i>Species</i>	0 m	50 m	400 m	800 m	950 m	1170 m	<i>Sexual system</i>	<i>Phyto-geographic pattern</i>
<i>Symphyogyna aspera</i> Steph.	0	3	1	2	3	0	D	Neo
<i>Syrrhopodon gardnerii</i> (Hook.) Schwägr.	6	2	10	7	4	0	D	Pan
<i>Syrrhopodon gaudichaudii</i> Mont.	2	0	0	0	0	0	D	Pan
<i>Syrrhopodon incompletus</i> Schwägr.	10	6	0	0	0	0	D	Pan
<i>Syrrhopodon ligulatus</i> Mont.	1	2	2	0	2	0	D	Af-Am
<i>Syrrhopodon prolifer</i> Schwägr.	9	4	10	7	10	3	D	TSA
<i>Szyziella liberata</i> Inoue	0	0	0	0	0	2	D	CCA
<i>Szyziella perfoliata</i> (Sw.) Spruce	0	0	0	0	1	0	D	Neo
<i>Taxilejeunea isocalycina</i> (Nees) Steph.	0	0	0	0	1	0	D	Neo
<i>Taxiphyllum taxirameum</i> (Mitt.) M. Fleisch.	0	0	3	0	0	0	D	Neo
<i>Taxithelium planum</i> (Brid.) Mitt.	0	7	8	4	0	0	M	Pan
<i>Telaranea diacantha</i> (Mont.) Engel & Merr.	9	6	6	4	6	2	D	Pan
<i>Thamniobryum fasciculatum</i> (Hedw.) Brid.	0	2	4	0	0	0	D	Neo
<i>Thamniopsis incurva</i> (Hornsch.) W.R. Buck	1	5	4	2	6	0	M	Neo
<i>Thamniopsis langsdorfii</i> (Hook.) W.R. Buck	0	0	4	8	8	0	M	Neo
<i>Thuidium delicatulum</i> (Hedw.) Bruch & Schimp.	0	2	0	0	0	0	D	Cos
<i>Thuidium pseudoprotensum</i> (Müll. Hal.) Mitt.	0	0	0	3	1	0	D	Neo
<i>Tortella</i> sp.	0	0	7	5	0	0	?	Other
<i>Trichocolea brevifissa</i> Steph.	0	0	0	2	0	1	M	Neo
<i>Trichocolea tomentosa</i> (Sw.) Gottsche	0	0	0	0	1	0	M	Neo
<i>Trichosteleum papillosum</i> (Hornsch.) A. Jaeger	5	1	2	2	0	0	M	Neo
<i>Vesicularia vesicularis</i> (Schwägr.) Broth.	4	10	9	8	4	0	M	Neo
<i>Vitalianthus bisclerianus</i> (Pôrto & Grolle) R.M. Schust. & Giacotii	0	0	4	0	0	0	D	Atl
<i>Xylojeunea crenata</i> (Nees & Mont.) X.-L. He & Grolle	0	0	1	0	0	0	D	Neo
<i>Zelometeorium patulum</i> (Hedw.) Manuel	8	8	4	3	1	1	D	Neo