

Supplementary Material

Tab. S1 - Epiphyte presence/absence matrix across five protected areas in central Chile. Site codes: MNC83 = Cerro Nielol Natural Monument (historical inventory, 1983); MNC = Cerro Nielol Natural Monument (current survey); RQE89 = Rucamanque (historical inventory, 1989); RQE = Rucamanque (current survey); CTM99 = Contulmo Natural Monument (historical inventory, 1999); CTM = Contulmo Natural Monument (current survey); LQLES05 = Los Queules National Reserve (historical inventory, 2005); LQLES = Los Queules National Reserve (current survey); LRLES05 = Los Ruiles National Reserve (historical inventory, 2005); LRLES = Los Ruiles National Reserve (current survey).

Species	MNC	MNC83	RQE	RQE89	CTM	CTM99	LQLES	LQLES05	LRLES	LRLES05
<i>Asplenium dareoides</i>	1	1	1	1	1	1	1	1	1	1
<i>Asplenium trilobum</i>	1	1	1	1	1	1	1	0	0	0
<i>Fascicularia bicolor</i>	1	1	1	1	1	1	1	1	1	0
<i>Grammitis magellanica</i>	0	0	1	0	1	1	0	0	0	0
<i>Hymenoglossum cruentum</i>	0	0	1	1	1	1	0	0	0	0
<i>Hymenophyllum caudatum</i>	1	1	1	1	0	0	1	0	1	0
<i>Hymenophyllum cuneatum</i>	1	0	1	0	0	0	0	0	0	0
<i>Hymenophyllum dentatum</i>	1	1	1	1	1	1	1	0	0	0
<i>Hymenophyllum dicranotrichum</i>	1	0	1	0	0	0	0	0	0	0
<i>Hymenophyllum krauseanum</i>	1	1	1	1	1	1	1	0	0	0
<i>Hymenophyllum pectinatum</i>	1	0	1	1	1	1	1	1	0	0
<i>Hymenophyllum peltatum</i>	1	0	1	0	1	1	0	1	0	1
<i>Hymenophyllum plicatum</i>	1	1	1	1	1	1	1	1	0	0
<i>Hymenophyllum secundum</i>	0	1	0	0	1	1	0	0	0	0
<i>Hymenophyllum seselifolium</i>	0	0	0	0	0	1	0	0	0	0
<i>Hymenophyllum tunbrigense</i>	1	0	1	0	1	1	1	0	1	1
<i>Pleopeltis macrocarpa</i>	0	0	0	0	0	1	0	0	0	0
<i>Sarmienta scandens</i>	1	1	1	1	1	1	1	1	0	0
<i>Serpyllopsis caespitosa</i>	0	0	1	0	1	1	0	0	0	0
<i>Synammia feuillei</i>	1	1	1	1	1	1	1	1	1	1

Tab. S2 - Taxonomic classification of epiphyte species recorded across five protected areas in central Chile.

Species	Genus	Family	Order	Class	Phylum
<i>Asplenium dareoides</i>	Asplenium	Aspleniaceae	Polypodiales	Polypodiopsida	Polypodiophyta
<i>Asplenium trilobum</i>	Asplenium	Aspleniaceae	Polypodiales	Polypodiopsida	Polypodiophyta
<i>Fascicularia bicolor</i>	Fascicularia	Bromeliaceae	Poales	Liliopsida	Magnoliophyta
<i>Grammitis magellanica</i>	Grammitis	Polypodiaceae	Polypodiales	Polypodiopsida	Polypodiophyta
<i>Hymenoglossum cruentum</i>	Hymenoglossum	Hymenophyllaceae	Hymenophyllales	Polypodiopsida	Polypodiophyta
<i>Hymenophyllum caudatum</i>	Hymenophyllum	Hymenophyllaceae	Hymenophyllales	Polypodiopsida	Polypodiophyta
<i>Hymenophyllum cuneatum</i>	Hymenophyllum	Hymenophyllaceae	Hymenophyllales	Polypodiopsida	Polypodiophyta
<i>Hymenophyllum dentatum</i>	Hymenophyllum	Hymenophyllaceae	Hymenophyllales	Polypodiopsida	Polypodiophyta
<i>Hymenophyllum dicranotrichum</i>	Hymenophyllum	Hymenophyllaceae	Hymenophyllales	Polypodiopsida	Polypodiophyta
<i>Hymenophyllum krauseanum</i>	Hymenophyllum	Hymenophyllaceae	Hymenophyllales	Polypodiopsida	Polypodiophyta
<i>Hymenophyllum pectinatum</i>	Hymenophyllum	Hymenophyllaceae	Hymenophyllales	Polypodiopsida	Polypodiophyta
<i>Hymenophyllum peltatum</i>	Hymenophyllum	Hymenophyllaceae	Hymenophyllales	Polypodiopsida	Polypodiophyta
<i>Hymenophyllum plicatum</i>	Hymenophyllum	Hymenophyllaceae	Hymenophyllales	Polypodiopsida	Polypodiophyta
<i>Hymenophyllum secundum</i>	Hymenophyllum	Hymenophyllaceae	Hymenophyllales	Polypodiopsida	Polypodiophyta
<i>Hymenophyllum seselifolium</i>	Hymenophyllum	Hymenophyllaceae	Hymenophyllales	Polypodiopsida	Polypodiophyta
<i>Hymenophyllum tunbrigense</i>	Hymenophyllum	Hymenophyllaceae	Hymenophyllales	Polypodiopsida	Polypodiophyta
<i>Pleopeltis macrocarpa</i>	Pleopeltis	Polypodiaceae	Polypodiales	Polypodiopsida	Polypodiophyta
<i>Sarmienta scandens</i>	Sarmienta	Gesneriaceae	Lamiales	Magnoliopsida	Magnoliophyta
<i>Serpylloopsis caespitosa</i>	Serpylloopsis	Hymenophyllaceae	Hymenophyllales	Polypodiopsida	Polypodiophyta
<i>Synammia feuillei</i>	Synammia	Polypodiaceae	Polypodiales	Polypodiopsida	Polypodiophyta

Tab. S3 - Climbing plant presence/absence matrix across five protected areas in central Chile. Site codes: MNC83 = Cerro Nielol Natural Monument (historical inventory, 1983); MNC = Cerro Nielol Natural Monument (current survey); RQE89 = Rucamanque (historical inventory, 1989); RQE = Rucamanque (current survey); CTM99 = Contulmo Natural Monument (historical inventory, 1999); CTM = Contulmo Natural Monument (current survey); LQLES05 = Los Queules National Reserve (historical inventory, 2005); LQLES = Los Queules National Reserve (current survey); LRLES05 = Los Ruiles National Reserve (historical inventory, 2005); LRLES = Los Ruiles National Reserve (current survey).

Species	MNC	MNC83	RQE	RQE89	CTM	CTM99	LQLES	LQLES05	LRLES	LRLES05
<i>Asteranthera ovata</i>	0	0	0	0	1	1	0	0	0	0
<i>Berberidopsis corallina</i>	0	0	0	0	0	0	1	1	0	0
<i>Bomarea salsilla</i>	1	1	1	1	1	1	1	1	1	1
<i>Boquila trifoliolata</i>	1	1	1	1	1	1	1	0	1	1
<i>Calystegia sepium</i>	0	0	0	0	0	1	0	0	0	0
<i>Campsidium valdivianum</i>	0	0	1	1	1	1	1	0	1	1
<i>Cissus striata</i>	1	1	1	1	1	1	1	1	1	0
<i>Dioscorea andina</i>	0	0	0	1	0	0	0	0	0	0
<i>Dioscorea auriculata</i>	1	1	1	0	1	1	1	0	1	1
<i>Dioscorea brachybotrya</i>	0	0	0	1	0	0	0	0	0	1
<i>Dioscorea pedicellata</i>	1	0	0	0	0	0	0	1	1	0
<i>Dioscorea sp.</i>	1	1	0	0	0	0	0	0	1	0
<i>Diplolepis pachyphylla</i>	0	0	1	1	1	0	0	0	1	0
<i>Elytropus chilensis</i>	1	0	1	1	1	1	1	1	1	0
<i>Ercilla spicata</i>	0	0	0	1	0	1	1	0	0	0
<i>Galium hypocarpium</i>	1	1	1	0	1	1	0	1	1	1
<i>Griselinia scandens</i>	0	0	0	0	0	0	0	1	1	0
<i>Hedera helix</i>	1	1	1	1	0	0	0	0	0	0
<i>Herreria stellata</i>	0	0	0	0	0	0	1	1	1	1
<i>Hydrangea serratifolia</i>	1	1	1	1	1	1	1	1	0	0
<i>Lapageria rosea</i>	1	1	1	1	1	1	1	1	1	1
<i>Lardizabala biternata</i>	1	1	1	1	1	1	1	1	1	0
<i>Luzuriaga polyphylla</i>	0	0	0	0	1	1	1	1	1	1
<i>Luzuriaga radicans</i>	1	1	1	1	1	1	1	1	0	0
<i>Mitraria coccinea</i>	0	1	1	1	1	1	1	1	1	1
<i>Muehlenbeckia hastulata</i>	1	1	1	1	1	1	1	1	1	1
<i>Mutisia ilicifolia</i>	0	0	0	0	0	0	0	0	0	1
<i>Mutisia involucrata</i>	0	0	0	0	0	0	0	0	0	1
<i>Mutisia spinosa</i>	0	0	0	0	0	1	0	0	1	0
<i>Nertera granadensis</i>	1	1	1	1	1	1	1	0	1	1
<i>Proustia pyrifolia</i>	1	1	0	0	0	0	1	1	1	1

Species	MNC	MNC83	RQE	RQE89	CTM	CTM99	LQLES	LQLES05	LRLES	LRLES05
<i>Raukaua valdiviensis</i>	1	1	1	1	0	0	1	1	0	0
<i>Tropaeolum ciliatum</i>	1	1	0	1	1	0	0	1	1	0
<i>Vicia nigricans</i>	0	0	0	0	0	0	0	1	1	1
<i>Vicia</i> sp.	0	0	0	0	0	1	0	0	0	0
<i>Vicia vicina</i>	1	1	0	1	0	0	0	0	1	0

Tab. S4 - Taxonomic classification of climbing plant species recorded across five protected areas in central Chile.

Species	Genera	Family	Order	Class	Phylum
<i>Asteranthera ovata</i>	Asteranthera	Gesneriaceae	Lamiales	Magnoliopsida	Magnoliophyta
<i>Berberidopsis corallina</i>	Berberidopsis	Berberidopsidaceae	Berberidopsidales	Magnoliopsida	Magnoliophyta
<i>Bomarea salsilla</i>	Bomarea	Alstroemeriaceae	Liliales	Liliopsida	Magnoliophyta
<i>Boquila trifoliolata</i>	Boquila	Lardizabalaceae	Ranunculales	Magnoliopsida	Magnoliophyta
<i>Calystegia sepium</i>	Calystegia	Convolvulaceae	Solanales	Magnoliopsida	Magnoliophyta
<i>Campsidium valdivianum</i>	Campsidium	Bignoniaceae	Lamiales	Magnoliopsida	Magnoliophyta
<i>Cissus striata</i>	Cissus	Vitaceae	Vitales	Magnoliopsida	Magnoliophyta
<i>Dioscorea andina</i>	Dioscorea	Dioscoreaceae	Dioscoreales	Liliopsida	Magnoliophyta
<i>Dioscorea auriculata</i>	Dioscorea	Dioscoreaceae	Dioscoreales	Liliopsida	Magnoliophyta
<i>Dioscorea brachybotrya</i>	Dioscorea	Dioscoreaceae	Dioscoreales	Liliopsida	Magnoliophyta
<i>Dioscorea pedicellata</i>	Dioscorea	Dioscoreaceae	Dioscoreales	Liliopsida	Magnoliophyta
<i>Dioscorea spp</i>	Dioscorea	Dioscoreaceae	Dioscoreales	Liliopsida	Magnoliophyta
<i>Diplolepis pachyphylla</i>	Diplolepis	Apocynaceae	Gentianales	Magnoliopsida	Magnoliophyta
<i>Elytropus chilensis</i>	Elytropus	Apocynaceae	Gentianales	Magnoliopsida	Magnoliophyta
<i>Ercilla spicata</i>	Ercilla	Phytolaccaceae	Caryophyllales	Magnoliopsida	Magnoliophyta
<i>Galium hypocarpium</i>	Galium	Rubiaceae	Gentianales	Magnoliopsida	Magnoliophyta
<i>Griselinia scandens</i>	Griselinia	Griselinaceae	Apiales	Magnoliopsida	Magnoliophyta
<i>Hedera helix</i>	Hedera	Araliaceae	Apiales	Magnoliopsida	Magnoliophyta
<i>Herreria stellata</i>	Herreria	Asparagaceae	Asparagales	Liliopsida	Magnoliophyta
<i>Hydrangea serratifolia</i>	Hydrangea	Hydrangeaceae	Cornales	Magnoliopsida	Magnoliophyta
<i>Lapageria rosea</i>	Lapageria	Philesiaceae	Liliales	Liliopsida	Magnoliophyta
<i>Lardizabala biternata</i>	Lardizabala	Lardizabalaceae	Ranunculales	Magnoliopsida	Magnoliophyta
<i>Luzuriaga polyphylla</i>	Luzuriaga	Alstroemeriaceae	Liliales	Liliopsida	Magnoliophyta
<i>Luzuriaga radicans</i>	Luzuriaga	Alstroemeriaceae	Liliales	Liliopsida	Magnoliophyta
<i>Mitraria coccinea</i>	Mitraria	Gesneriaceae	Lamiales	Magnoliopsida	Magnoliophyta
<i>Muehlenbeckia hastulata</i>	Muehlenbeckia	Polygonaceae	Caryophyllales	Magnoliopsida	Magnoliophyta
<i>Mutisia ilicifolia</i>	Mutisia	Asteraceae	Asterales	Magnoliopsida	Magnoliophyta
<i>Mutisia involucrata</i>	Mutisia	Asteraceae	Asterales	Magnoliopsida	Magnoliophyta
<i>Mutisia spinosa</i>	Mutisia	Asteraceae	Asterales	Magnoliopsida	Magnoliophyta
<i>Nertera granadensis</i>	Nertera	Rubiaceae	Gentianales	Magnoliopsida	Magnoliophyta
<i>Proustia pyrifolia</i>	Proustia	Asteraceae	Asterales	Magnoliopsida	Magnoliophyta
<i>Raukua valdiviensi</i>	Raukua	Araliaceae	Apiales	Magnoliopsida	Magnoliophyta
<i>Tropaeolum ciliatum</i>	Tropaeolum	Tropaeolaceae	Brassicales	Magnoliopsida	Magnoliophyta
<i>Vicia nigricans</i>	Vicia	Fabaceae	Fabales	Magnoliopsida	Magnoliophyta
<i>Vicia spp</i>	Vicia	Fabaceae	Fabales	Magnoliopsida	Magnoliophyta
<i>Vicia vicina</i>	Vicia	Fabaceae	Fabales	Magnoliopsida	Magnoliophyta