**Supplementary material for:** Schmitz D., Putzke J., Pereira de Albuquerque M., Schünemann A.D., Vieira F.C.B., Carvalho Victoria F. & Batista Pereira A. 2018. Description of plant communities on Half Moon Island, Antarctica. *Polar Research 37.* Contact: Frederico Costa Beber Vieira, Núcleo de Estudos da Vegetação Antártica (NEVA), Universidade Federal do Pampa (UNIPAMPA), Avenida Antônio Trilha, 1847, São Gabriel, RS, ZIP 97300–000, Brazil

Supplementary Table S1. Plant species found on Half Moon Island, South Shetlands. F is frequency and IES Index of Ecological Significance, considering all sampled sites.

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| --- | --- | --- | --- | --- |
| Family | Species | Group | F | IES |
| *Poaceae* | *Deschampsia antarctica* Desv. | Grass | 0.27 | 0.28 |
| *Amblystegiaceae* | *Sanionia uncinata* (Hedw.) Loeske | Moss | 71.78 | 234.81 |
| *Andreaeaceae* | *Andreaea depressinervis* Card. | Moss | 7.26 | 8.37 |
| *Andreaea gainii* Card. | Moss | 12.01 | 13.62 |
| *Andreaea regularis* Muell. | Moss | 14.24 | 16.83 |
| *Bartramiaceae* | *Bartramia patens* Brid. | Moss | 1.39 | 1.41 |
|  | *Brachythecium subpilosum* (Hook. f. & Wilson) A. Jaeger | Moss | 0.27 | 0.28 |
| *Bryaceae* | *Bryum argenteum* Hedw. | Moss | 3.91 | 4.30 |
| *Bryum niveum* Herzog. | Moss | 3.91 | 4.12 |
| *Bryum dichotomum* Hedw. | Moss | 0.27 | 0.28 |
| *Bryum pallescens* Schleich. ex Schwägr. | Moss | 0.28 | 0.84 |
| *Bryum nivale* Müll. Hal*.* | Moss | 0.83 | 0.84 |
| *Bryum orbiculatifolium* Card.& Broth. | Moss | – | – |
| *Bryum pseudotriquetrum* (Hedw.) Schwaegr. | Moss | 0.27 | 0.28 |
| *Pohlia cruda var. cruda* (Hedw.) Lindb. | Moss | 2.51 | 2.57 |
| *Dicranaceae* | *Chorisodontium acyphyllum* (Hook f. et. Wills.) Broth. | Moss | 0.27 | 0.28 |
| *Ditrichaceae* | *Ceratodon grossiretis* Card. | Moss | 0.27 | 0.28 |
| *Ceratodon purpureus* (Hedw.) Brid. | Moss | 2.23 | 2.27 |
| *Grimmiaceae* | *Schistidium antarctici* Card.) L.I. Savicz & Smirnova | Moss | 0.27 | 0.28 |
| *Schistidium steerii* Ochyra | Moss | 1.39 | 1.42 |
| *Schistidium urnulaceum* (Müll. Hal.) B.G .Sino | Moss | 0.27 | 0.28 |
| *Polytrichaceae* | *Polytrichastrum alpinum* G.L. Smith | Moss | 31.84 | 49.63 |
| *Polytrichum piliferum* Hedw. | Moss | 3.91 | 4.23 |
| *Hennediella heimii* (Hedw.) Zand*.* | Moss | 5.58 | 5.97 |
| *Syntrichia magellanica* (Mont.) R.H. Zander | Moss | 1.39 | 1.41 |
| *Seligeraceae* | *Dicranoweisia grimmiacea* (Müll. Hal.) Broth | Moss | 1.39 | 1.41 |
| *Scapaniaceae* | *Scapania* sp | Liverwort | 0.27 | 0.28 |
| *Cephaloziaceae* | *Cephallozia sp.* (Dumort.) Dumort. | Liverwort | 0.33 | 0.33 |
| *Prasiolaceae* | *Prasiola crispa* (Lightfoot) Kützing | Chlorophyta | 7.82 | 8.54 |
| *Acarosporaceae* | *Acarospora macrocyclos* Vain. | Lichen | 9.21 | 10.29 |
| *Bacidiaceae* | *Bacidia* sp1 | Lichen | 5.58 | 6.03 |
| *Bacidia tubercullata* Darb. | Lichen | 0.27 | 0.28 |
| *Physciaceae*  | *Buellia latemarginata* Darb. | Lichen | 2.51 | 2.59 |
| *Buellia racovitzae* C.W. Dodge | Lichen | 0.27 | 0.28 |
| *Buellia russa* (Hue) Darb. | Lichen | 0.55 | 0.56 |
| *Buellia anisômera* Vain. | Lichen | 2.23 | 2.89 |
| *Buellia* sp1 | Lichen | 15.08 | 18.49 |
| *Physconia muscigena* (Ach.) Poelt | Lichen | 1.67 | 1.71 |
| *Rinodina petermannii* (Hue) Darb. | Lichen | 3.07 | 3.34 |
| *Candelariaceae* | *Candelaria murrayi* Poelt | Lichen | 0.83 | 0.85 |
| *Cladoniaceae* | *Cladonia metacorallifera* Asahina | Lichen | 14.52 | 16.67 |
| *Cladonia rangiferina* (L.) Weber ex F.H. Wigg. | Lichen | 13.96 | 16.22 |
| *Cladonia furcata* (Huds.) Schrad. | Lichen | 0.55 | 0.56 |
| *Cladonia* sp. | Lichen | 5.30 | 5.72 |
| *Collemataceae* | *Leptogium puberulum* Hue | Lichen | 0.27 | 0.28 |
| *Haematommataceae* | *Haematomma eryhtromma* (Nyl.) Zahlbr. | Lichen | 3.63 | 3.86 |
| *Lecanoraceae* | *Lecanora skottsbergii* Darb. | Lichen | 0.27 | 0.28 |
| *Rhizoplaca aspidophora* (Vain.) Redon | Lichen | 15.08 | 17.35 |
| *Rhizoplaca melanophtalma*(DC.) Leuckert & Poelt | Lichen | 2.79 | 2.87 |
| *Lecideaceae* | *Lecidea sciatrapha* Hue | Lichen | 22.06 | 27.86 |
| *Lecidea* sp. | Lichen | 7.54 | 8.23 |
| *Mastodiaceae* | *Mastodia tessellata* (Hook. f. & Harv.) Hook. f. & Harv. | Lichen | 1.11 | 1.13 |
| *Turgidosculum complicatulum* (Nyl.) Kohlm. & E. Kohlm. | Lichen | 3.63 | 3.88 |
| *Ochrolechiaceae* | *Ochrolechia frigida* (Sw.) Lynge | Lichen | 30.72 | 40.85 |
| *Ochrolechia parella* (L.) A. Massal. | Lichen | 0.55 | 0.56 |
| *Pannariaceae* | *Pannaria hookeri* (Borrer) Nyl. | Lichen | 3.35 | 3.50 |
| *Psoroma cinnamomeum* Malme | Lichen | 4.46 | 4.69 |
| *Psoroma hypnorum* (Vahl) Gray | Lichen | 14.80 | 17.86 |
| *Himantormia lugubris* (Hue) I.M. Lamb | Lichen | 1.95 | 1.99 |
| *Parmelia saxatilis* (L.) Ach. | Lichen | 2.23 | 2.35 |
| *Usnea acromelana* Stirt. | Lichen | 0.27 | 0.28 |
| *Usnea antarctica* Du Rietz | Lichen | 5.86 | 6.40 |
| *Usnea aurantiacoatra* (Jacq.) Bory | Lichen | 34.63 | 63.17 |
| *Ramalinaceae* | *Ramalina terebrata* Hook. f. & Taylor | Lichen | 1.39 | 1.43 |
| *Lecania brialmontii* (Vain.) Zahlbr. | Lichen | 6.98 | 8.21 |
| *Rhizocarpaceae* | *Rhizocarpon geographicum* (L.) DC. | Lichen | 7.54 | 8.11 |
| *Rhizocarpon polycarpum* (Hepp) Th. Fr. | Lichen | 13.68 | 15.78 |
| *Sphaerophoraceae* | *Sphaerophorus globosus* (Huds.) Vain. | Lichen | 19.55 | 25.67 |
|  | *Stereocaulon glabrum* (Müll. Arg.) Vain. | Lichen | 9.49 | 10.82 |
| *Teloschistaceae* | *Caloplaca regalis* (Vain.) Zahlbr. | Lichen | 2.79 | 2.95 |
| *Caloplaca cinericola* (Hue) Darb. | Lichen | 0.55 | 0.56 |
| *Huea austroshetlandica* (Zahlbr.) C.W. Dodge | Lichen | 1.11 | 1.13 |
| *Xanthoria candelaria* (L.) Th. Fr. | Lichen | 2.79 | 2.91 |
| *Xanthoria elegans* (Link) Th. Fr. | Lichen | 1.39 | 1.43 |
| *Thelenellaceae* | *Microglaena antarctica* I.M. Lamb | Lichen | 2.51 | 2.57 |
| *Verrucariaceae* | *Verrucaria tessellata* (C.W. Dogde) Øvstedal | Lichen | 2.17 | 2.22 |
| *Verrucaria* sp. | Lichen | 23.18 | 29.27 |
| *Umbilicariaceae* | *Umbilicaria antarctica* Frey & I.M. Lamb | Lichen | 1.39 | 1.42 |
| *Umbilicaria decussata* (Vill.) Zahlbr. | Lichen | 0.55 | 0.56 |
| *Incertae sedis* | *Cystocoleus niger* (Huds.) Har. | Lichen | 5.30 | 5.61 |