

Table S1: Locations and conditions of sampling sites. Abbreviations are: MAT = Mean Annual Temperature, MAP = Mean Annual Precipitation, and UVB = Mean UVB of the highest month.

Mountain Range	Peak	Transect	Latitude	Longitude	Elevation	MAT (°C)	MAP (mm)	UVB (mW.cm ⁻²)
MacDonnell Ranges	Mt Razorback	MR-400-1	-24.5887	133.2921	400	21.5	238	7472
MacDonnell Ranges	Mt Razorback	MR-400-2	-24.5896	133.2931	400	21.5	238	7473
MacDonnell Ranges	Mt Razorback	MR-400-3	-24.5921	133.2936	400	21.5	237	7473
MacDonnell Ranges	Mt Razorback	MR-400-4	-24.5936	133.2924	400	21.5	237	7472
MacDonnell Ranges	Mt Razorback	MR-600-1	-23.9411	132.9670	600	20.9	275	7338
MacDonnell Ranges	Mt Razorback	MR-600-2	-23.9408	132.9684	600	20.9	275	7339
MacDonnell Ranges	Mt Razorback	MR-800-1	-23.5696	132.5068	800	20.4	323	7320
MacDonnell Ranges	Mt Razorback	MR-800-2	-23.5704	132.5070	800	20.4	323	7321
MacDonnell Ranges	Mt Razorback	MR-1000-1	-23.5281	132.4492	1000	19.5	361	7356
MacDonnell Ranges	Mt Razorback	MR-1000-2	-23.5290	132.4504	1000	19.3	366	7354
MacDonnell Ranges	Mt Razorback	MR-1200-1	-23.5240	132.4477	1200	18.6	398	7356
MacDonnell Ranges	Mt Razorback	MR-1200-2	-23.5240	132.4484	1200	18.6	398	7356
MacDonnell Ranges	Mt Sonder	MS-400-1	-24.2876	134.2308	400	21.5	231	7465
MacDonnell Ranges	Mt Sonder	MS-400-2	-24.2883	134.2319	400	21.5	231	7465
MacDonnell Ranges	Mt Sonder	MS-400-3	-24.2887	134.2332	400	21.5	231	7466
MacDonnell Ranges	Mt Sonder	MS-400-4	-24.2890	134.2346	400	21.4	231	7466
MacDonnell Ranges	Mt Sonder	MS-600-1	-23.7036	133.7795	600	20.7	292	7333
MacDonnell Ranges	Mt Sonder	MS-600-2	-23.7032	133.7806	600	20.7	292	7332
MacDonnell Ranges	Mt Sonder	MS-600-3	-23.7029	133.7818	600	20.7	292	7332
MacDonnell Ranges	Mt Sonder	MS-600-4	-23.7021	133.7829	600	20.7	292	7332
MacDonnell Ranges	Mt Sonder	MS-800-1	-23.5689	132.5259	800	20.2	333	7308
MacDonnell Ranges	Mt Sonder	MS-800-2	-23.5699	132.5264	800	20.2	333	7308
MacDonnell Ranges	Mt Sonder	MS-800-3	-23.5700	132.5270	800	20.2	333	7308
MacDonnell Ranges	Mt Sonder	MS-800-4	-23.5701	132.5275	800	20.2	333	7306
MacDonnell Ranges	Mt Sonder	MS-1000-1	-23.5739	132.5422	1000	20.2	332	7299
MacDonnell Ranges	Mt Sonder	MS-1000-2	-23.5730	132.5413	1000	20.1	333	7299
MacDonnell Ranges	Mt Sonder	MS-1000-3	-23.5725	132.5399	1000	20.1	333	7300
MacDonnell Ranges	Mt Sonder	MS-1000-4	-23.5722	132.5386	1000	20.1	333	7300
MacDonnell Ranges	Mt Sonder	MS-1200-1	-23.5786	132.5706	1200	18.4	396	7281
MacDonnell Ranges	Mt Sonder	MS-1200-2	-23.5787	132.5693	1200	18.4	396	7282
MacDonnell Ranges	Mt Sonder	MS-1200-3	-23.5782	132.5684	1200	18.4	396	7282
MacDonnell Ranges	Mt Sonder	MS-1200-4	-23.5780	132.5672	1200	18.4	396	7284
MacDonnell Ranges	Mt Zeil	MZ-600-1	-23.2628	132.4535	600	21.7	293	7293
MacDonnell Ranges	Mt Zeil	MZ-600-2	-23.2627	132.4521	600	21.7	293	7295
MacDonnell Ranges	Mt Zeil	MZ-600-3	-23.2629	132.4508	600	21.7	293	7295
MacDonnell Ranges	Mt Zeil	MZ-600-4	-23.2643	132.4507	600	21.7	293	7295
MacDonnell Ranges	Mt Zeil	MZ-800-1	-23.3770	132.3375	800	19.6	368	7405
MacDonnell Ranges	Mt Zeil	MZ-800-2	-23.3771	132.3363	800	19.6	368	7404
MacDonnell Ranges	Mt Zeil	MZ-800-3	-23.3779	132.3354	800	19.6	368	7404
MacDonnell Ranges	Mt Zeil	MZ-800-4	-23.3779	132.3349	800	19.6	368	7403
MacDonnell Ranges	Mt Zeil	MZ-1000-1	-23.3821	132.3451	1000	19.8	357	7407
MacDonnell Ranges	Mt Zeil	MZ-1000-2	-23.3821	132.3439	1000	19.8	357	7407
MacDonnell Ranges	Mt Zeil	MZ-1000-3	-23.3824	132.3425	1000	19.8	357	7407
MacDonnell Ranges	Mt Zeil	MZ-1000-4	-23.3825	132.3412	1000	19.6	368	7406
MacDonnell Ranges	Mt Zeil	MZ-1200-1	-23.3866	132.3679	1200	18.6	406	7415
MacDonnell Ranges	Mt Zeil	MZ-1200-2	-23.3874	132.3668	1200	18.6	406	7415
MacDonnell Ranges	Mt Zeil	MZ-1200-3	-23.3877	132.3656	1200	19	388	7414

Mountain Range	Peak	Transect	Latitude	Longitude	Elevation	MAT (°C)	MAP (mm)	UVB (mW.cm ⁻²)
MacDonnell Ranges	Mt Zeil	MZ-1200-4	-23.3883	132.3644	1200	19	388	7413
MacDonnell Ranges	Mt Zeil	MZ-1400-1	-23.3940	132.3875	1400	17.9	432	7407
MacDonnell Ranges	Mt Zeil	MZ-1400-2	-23.3944	132.3867	1400	17.9	432	7407
MacDonnell Ranges	Mt Zeil	MZ-1400-3	-23.3948	132.3856	1400	17.9	432	7407
MacDonnell Ranges	Mt Zeil	MZ-1400-4	-23.3952	132.3866	1400	17.9	432	7407
Snowy Mountains	Back Perisher	BP-400-1	-36.7169	148.4204	400	12.8	800	6434
Snowy Mountains	Back Perisher	BP-400-2	-36.7175	148.4210	400	12.8	800	6434
Snowy Mountains	Back Perisher	BP-400-3	-36.7192	148.4229	400	12.8	800	6429
Snowy Mountains	Back Perisher	BP-400-4	-36.7206	148.4239	400	12.8	800	6427
Snowy Mountains	Back Perisher	BP-600-1	-36.6973	148.4326	600	11.5	845	6432
Snowy Mountains	Back Perisher	BP-600-2	-36.6975	148.4314	600	11.5	845	6433
Snowy Mountains	Back Perisher	BP-600-3	-36.6984	148.4303	600	11.5	845	6433
Snowy Mountains	Back Perisher	BP-600-4	-36.6998	148.4303	600	11.5	845	6433
Snowy Mountains	Back Perisher	BP-800-1	-36.7005	148.4504	800	11	871	6406
Snowy Mountains	Back Perisher	BP-800-2	-36.7010	148.4492	800	10.9	881	6409
Snowy Mountains	Back Perisher	BP-800-3	-36.7015	148.4478	800	10.9	881	6409
Snowy Mountains	Back Perisher	BP-800-4	-36.7032	148.4480	800	10.9	881	6407
Snowy Mountains	Back Perisher	BP-1000-1	-36.3500	148.5905	1000	9.8	939	6469
Snowy Mountains	Back Perisher	BP-1000-2	-36.3493	148.5908	1000	9.7	966	6469
Snowy Mountains	Back Perisher	BP-1000-3	-36.3483	148.5904	1000	9.7	966	6469
Snowy Mountains	Back Perisher	BP-1000-4	-36.3474	148.5893	1000	9.7	966	6471
Snowy Mountains	Back Perisher	BP-1200-1	-36.3469	148.5659	1200	8.5	1302	6482
Snowy Mountains	Back Perisher	BP-1200-2	-36.3463	148.5664	1200	8.5	1302	6482
Snowy Mountains	Back Perisher	BP-1200-3	-36.3449	148.5663	1200	8.5	1302	6482
Snowy Mountains	Back Perisher	BP-1200-4	-36.3436	148.5662	1200	8.5	1302	6482
Snowy Mountains	Back Perisher	BP-1400-1	-36.3451	148.5382	1400	7.5	1582	6495
Snowy Mountains	Back Perisher	BP-1400-2	-36.3444	148.5385	1400	7.5	1582	6495
Snowy Mountains	Back Perisher	BP-1400-3	-36.3440	148.5360	1400	7.5	1582	6497
Snowy Mountains	Back Perisher	BP-1400-4	-36.3446	148.5346	1400	7.5	1582	6498
Snowy Mountains	Back Perisher	BP-1600-1	-36.3813	148.4592	1600	6.2	1815	6522
Snowy Mountains	Back Perisher	BP-1600-2	-36.3806	148.4588	1600	6.2	1815	6522
Snowy Mountains	Back Perisher	BP-1600-3	-36.3794	148.4577	1600	6.3	1806	6522
Snowy Mountains	Back Perisher	BP-1600-4	-36.3782	148.4567	1600	6.3	1806	6523
Snowy Mountains	Back Perisher	BP-1800-1	-36.3858	148.4005	1800	5.4	1878	6548
Snowy Mountains	Back Perisher	BP-1800-3	-36.3848	148.4002	1800	5.4	1878	6548
Snowy Mountains	Back Perisher	BP-1800-4	-36.3840	148.4007	1800	5.4	1878	6548
Snowy Mountains	Back Perisher	BP-2000-1	-36.4018	148.3930	2000	4.7	1766	6550
Snowy Mountains	Back Perisher	BP-2000-2	-36.4012	148.3927	2000	4.7	1766	6550
Snowy Mountains	Back Perisher	BP-2000-3	-36.4008	148.3926	2000	4.7	1766	6550
Snowy Mountains	Back Perisher	BP-2000-4	-36.4000	148.3922	2000	4.7	1766	6551
Snowy Mountains	Grey Mare	GM-400-1	-36.2202	148.1587	400	13.2	954	6598
Snowy Mountains	Grey Mare	GM-400-2	-36.2200	148.1576	400	13.7	958	6599
Snowy Mountains	Grey Mare	GM-400-3	-36.2201	148.1562	400	13.7	958	6598
Snowy Mountains	Grey Mare	GM-400-4	-36.2205	148.1545	400	13.7	958	6598
Snowy Mountains	Grey Mare	GM-600-1	-36.2673	148.1992	600	11.6	1012	6591
Snowy Mountains	Grey Mare	GM-600-2	-36.2668	148.1991	600	11.6	1012	6591
Snowy Mountains	Grey Mare	GM-600-3	-36.2665	148.1989	600	11.3	1044	6591
Snowy Mountains	Grey Mare	GM-600-4	-36.2665	148.1978	600	11.3	1044	6591
Snowy Mountains	Grey Mare	GM-800-1	-36.2971	148.1664	800	11.4	1045	6581
Snowy Mountains	Grey Mare	GM-800-2	-36.2977	148.1660	800	11.4	1045	6581
Snowy Mountains	Grey Mare	GM-800-3	-36.2971	148.1648	800	11.4	1045	6581

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Snowy Mountains	Grey Mare	GM-800-4	-36.2972	148.1637	800	11.4	1045	6581
Snowy Mountains	Grey Mare	GM-1000-1	-36.3020	148.1813	1000	9.7	1289	6581
Snowy Mountains	Grey Mare	GM-1000-2	-36.3026	148.1803	1000	9.7	1289	6580
Snowy Mountains	Grey Mare	GM-1000-3	-36.3032	148.1796	1000	9.7	1289	6580
Snowy Mountains	Grey Mare	GM-1000-4	-36.3034	148.1779	1000	9.7	1289	6580
Snowy Mountains	Grey Mare	GM-1200-1	-36.2625	148.2507	1200	9.3	1364	6596
Snowy Mountains	Grey Mare	GM-1200-2	-36.2619	148.2513	1200	9.3	1364	6596
Snowy Mountains	Grey Mare	GM-1200-3	-36.2607	148.2510	1200	9.3	1364	6596
Snowy Mountains	Grey Mare	GM-1200-4	-36.2608	148.2494	1200	8.2	1643	6596
Snowy Mountains	Grey Mare	GM-1400-1	-36.2769	148.2639	1400	7.8	1721	6593
Snowy Mountains	Grey Mare	GM-1400-2	-36.2772	148.2644	1400	7.8	1721	6593
Snowy Mountains	Grey Mare	GM-1400-3	-36.2781	148.2650	1400	7.8	1721	6592
Snowy Mountains	Grey Mare	GM-1400-4	-36.2783	148.2654	1400	7.8	1721	6592
Snowy Mountains	Grey Mare	GM-1600-1	-36.2816	148.2727	1600	6.7	1842	6592
Snowy Mountains	Grey Mare	GM-1600-2	-36.2820	148.2729	1600	6.7	1842	6592
Snowy Mountains	Grey Mare	GM-1600-3	-36.2828	148.2734	1600	6.7	1842	6591
Snowy Mountains	Grey Mare	GM-1600-4	-36.2836	148.2740	1600	6.5	1850	6591
Snowy Mountains	Grey Mare	GM-1800-1	-36.2589	148.2857	1800	5.4	1837	6600
Snowy Mountains	Grey Mare	GM-1800-2	-36.2599	148.2871	1800	5.4	1837	6600
Snowy Mountains	Grey Mare	GM-1800-3	-36.2597	148.2882	1800	5.4	1837	6600
Snowy Mountains	Grey Mare	GM-1800-4	-36.2588	148.2894	1800	5.4	1837	6600
Snowy Mountains	Mt Franklin	MF-400-1	-35.1136	148.6665	400	13.7	867	6669
Snowy Mountains	Mt Franklin	MF-400-2	-35.1127	148.6659	400	13.7	867	6669
Snowy Mountains	Mt Franklin	MF-600-1	-35.1194	148.6614	600	13.1	940	6668
Snowy Mountains	Mt Franklin	MF-600-2	-35.1197	148.6605	600	13.1	940	6668
Snowy Mountains	Mt Franklin	MF-800-1	-35.1765	148.8028	800	11.5	1036	6602
Snowy Mountains	Mt Franklin	MF-800-2	-35.1776	148.8025	800	11.5	1036	6600
Snowy Mountains	Mt Franklin	MF-1000-1	-35.2134	148.8357	1000	10.9	1071	6559
Snowy Mountains	Mt Franklin	MF-1000-2	-35.2130	148.8351	1000	10.9	1071	6559
Snowy Mountains	Mt Franklin	MF-1200-1	-35.2278	148.8280	1200	9.6	1174	6549
Snowy Mountains	Mt Franklin	MF-1200-2	-35.2270	148.8280	1200	9.6	1174	6551
Snowy Mountains	Mt Franklin	MF-1400-1	-35.4357	148.7810	1400	8.2	1306	6460
Snowy Mountains	Mt Franklin	MF-1400-2	-35.4359	148.7789	1400	8.2	1306	6462
Snowy Mountains	Mt Franklin	MF-1600-1	-35.5134	148.7607	1600	6.6	1499	6472
Snowy Mountains	Mt Franklin	MF-1600-2	-35.5145	148.7604	1600	6.6	1499	6472
Snowy Mountains	Mt Kosciuszko	MK-400-1	-36.3495	148.1718	400	13.1	938	6569
Snowy Mountains	Mt Kosciuszko	MK-400-2	-36.3487	148.1723	400	13.1	938	6569
Snowy Mountains	Mt Kosciuszko	MK-600-1	-36.3719	148.1902	600	12.4	952	6564
Snowy Mountains	Mt Kosciuszko	MK-600-2	-36.3713	148.1886	600	12.4	952	6564
Snowy Mountains	Mt Kosciuszko	MK-800-1	-36.4521	148.1608	800	10.8	1084	6541
Snowy Mountains	Mt Kosciuszko	MK-800-2	-36.4532	148.1611	800	10.8	1084	6540
Snowy Mountains	Mt Kosciuszko	MK-1000-1	-36.5249	148.1933	1000	9.1	1338	6524
Snowy Mountains	Mt Kosciuszko	MK-1000-2	-36.5235	148.1930	1000	9.1	1338	6524
Snowy Mountains	Mt Kosciuszko	MK-1200-1	-36.5305	148.1989	1200	8.6	1446	6523
Snowy Mountains	Mt Kosciuszko	MK-1200-2	-36.5301	148.2001	1200	7.9	1591	6524
Snowy Mountains	Mt Kosciuszko	MK-1400-1	-36.4943	148.3182	1400	7.6	1719	6547
Snowy Mountains	Mt Kosciuszko	MK-1400-2	-36.4944	148.3189	1400	7.6	1719	6547
Snowy Mountains	Mt Kosciuszko	MK-1600-1	-36.4977	148.2994	1600	5.8	1801	6544
Snowy Mountains	Mt Kosciuszko	MK-1600-2	-36.4975	148.2990	1600	5.8	1801	6545
Snowy Mountains	Mt Kosciuszko	MK-1800-1	-36.4928	148.2926	1800	5.8	1801	6544
Snowy Mountains	Mt Kosciuszko	MK-1800-2	-36.4926	148.2924	1800	5.8	1801	6544

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Snowy Mountains	Mt Kosciuszko	MK-2000-1	-36.4849	148.2818	2000	3.8	1672	6544
Snowy Mountains	Mt Kosciuszko	MK-2000-2	-36.4849	148.2818	2000	3.8	1672	6544
Snowy Mountains	Mt Nattung	NA-400-1	-35.5646	148.3318	400	13.4	1018	6579
Snowy Mountains	Mt Nattung	NA-400-2	-35.5651	148.3327	400	13.4	1018	6575
Snowy Mountains	Mt Nattung	NA-600-1	-35.5796	148.3188	600	13	1053	6582
Snowy Mountains	Mt Nattung	NA-600-2	-35.5808	148.3181	600	13	1053	6580
Snowy Mountains	Mt Nattung	NA-800-1	-35.5809	148.3365	800	12.7	1092	6564
Snowy Mountains	Mt Nattung	NA-800-2	-35.5804	148.3353	800	12.7	1092	6564
Snowy Mountains	Mt Nattung	NA-1000-1	-35.5953	148.3573	1000	10.6	1271	6537
Snowy Mountains	Mt Nattung	NA-1000-2	-35.5948	148.3546	1000	10.6	1271	6541
Snowy Mountains	Mt Nattung	NA-1200-1	-35.6414	148.3884	1200	9.3	1363	6515
Snowy Mountains	Mt Nattung	NA-1200-2	-35.6414	148.3864	1200	9.3	1363	6515
Snowy Mountains	Mt Nattung	NA-1400-1	-35.6995	148.6111	1400	7.9	1383	6495
Snowy Mountains	Mt Nattung	NA-1400-2	-35.6996	148.6098	1400	7.9	1383	6496
Snowy Mountains	Mt Nattung	NA-1600-1	-35.7081	148.6072	1600	7.3	1480	6497
Snowy Mountains	Mt Nattung	NA-1600-2	-35.7078	148.6056	1600	7.3	1480	6497
Tasmania	Ironstone Mountain	IM-400-1	-41.6510	146.4850	400	9.8	1214	5837
Tasmania	Ironstone Mountain	IM-400-2	-41.6520	146.4870	400	9.8	1214	5837
Tasmania	Ironstone Mountain	IM-600-1	-41.6730	146.4730	600	8.8	1342	5839
Tasmania	Ironstone Mountain	IM-600-2	-41.6720	146.4780	600	9	1313	5839
Tasmania	Ironstone Mountain	IM-800-1	-41.6780	146.4710	800	7.6	1486	5839
Tasmania	Ironstone Mountain	IM-800-2	-41.6770	146.4720	800	7.6	1486	5839
Tasmania	Ironstone Mountain	IM-1000-1	-41.6860	146.4690	1000	6	1739	5840
Tasmania	Ironstone Mountain	IM-1000-2	-41.6882	146.4713	1000	6	1739	5841
Tasmania	Ironstone Mountain	IM-1200-1	-41.7050	146.4650	1200	5.2	1789	5843
Tasmania	Ironstone Mountain	IM-1200-2	-41.7050	146.4660	1200	5.2	1789	5843
Tasmania	Ironstone Mountain	IM-1400-1	-41.7120	146.4660	1400	5	1796	5843
Tasmania	Ironstone Mountain	IM-1400-2	-41.7130	146.4690	1400	4.2	1856	5844
Tasmania	Legges Tor	LT-400-1	-41.5120	147.7620	400	10.4	881	5716
Tasmania	Legges Tor	LT-400-2	-41.5090	147.7640	400	10.4	881	5715
Tasmania	Legges Tor	LT-600-1	-41.5160	147.7470	600	10	944	5720
Tasmania	Legges Tor	LT-600-2	-41.5150	147.7450	600	10	944	5720
Tasmania	Legges Tor	LT-800-1	-41.5230	147.7190	800	8.1	1273	5727
Tasmania	Legges Tor	LT-800-2	-41.5210	147.7180	800	8.1	1273	5726
Tasmania	Legges Tor	LT-1000-1	-41.5264	147.7063	1000	6.9	1418	5730
Tasmania	Legges Tor	LT-1000-2	-41.5140	147.7010	1000	7.7	1351	5729
Tasmania	Legges Tor	LT-1200-1	-41.5090	147.6380	1200	5.6	1533	5740
Tasmania	Legges Tor	LT-1200-2	-41.5102	147.6247	1200	6.1	1496	5745
Tasmania	Legges Tor	LT-1400-1	-41.5190	147.6630	1400	4.8	1594	5737
Tasmania	Legges Tor	LT-1400-2	-41.5120	147.6590	1400	5	1592	5737
Tasmania	Mount Field	MFE-400-1	-42.6770	146.7000	400	9.3	991	5383
Tasmania	Mount Field	MFE-400-2	-42.6750	146.7040	400	9	992	5385
Tasmania	Mount Field	MFE-600-1	-42.6800	146.6820	600	8.2	1114	5378
Tasmania	Mount Field	MFE-600-2	-42.6840	146.6790	600	8.9	1067	5376
Tasmania	Mount Field	MFE-800-1	-42.6800	146.6560	800	7.1	1246	5374
Tasmania	Mount Field	MFE-800-2	-42.6770	146.6570	800	7.1	1246	5377
Tasmania	Mount Field	MFE-1000-1	-42.6630	146.6540	1000	6.7	1275	5384
Tasmania	Mount Field	MFE-1000-2	-42.6590	146.6550	1000	6.7	1275	5387
Tasmania	Mount Field	MFE-1200-1	-42.6560	146.6480	1200	4.8	1406	5388
Tasmania	Mount Field	MFE-1200-2	-42.6510	146.6490	1200	4.8	1406	5390
Tasmania	Mount Mawson	MM-400-1	-42.7310	146.5800	400	9.3	1273	5330

Mountain Range	Peak	Transect	Latitude	Longitude	Elevation	MAT (°C)	MAP (mm)	UVB (mW.cm ⁻²)
Tasmania	Mount Mawson	MM-400-2	-42.7290	146.5820	400	9.3	1273	5332
Tasmania	Mount Mawson	MM-600-1	-42.7170	146.5760	600	8.1	1335	5338
Tasmania	Mount Mawson	MM-600-2	-42.7180	146.5780	600	8.1	1335	5337
Tasmania	Mount Mawson	MM-800-1	-42.7070	146.5920	800	6.3	1428	5347
Tasmania	Mount Mawson	MM-800-2	-42.7080	146.5950	800	6.3	1428	5347
Tasmania	Mount Mawson	MM-1000-1	-42.7000	146.5920	1000	5.1	1490	5350
Tasmania	Mount Mawson	MM-1000-2	-42.7000	146.5900	1000	4.5	1518	5350
Tasmania	Mount Mawson	MM-1200-1	-42.6950	146.5900	1200	4.5	1518	5353
Tasmania	Mount Mawson	MM-1200-2	-42.6960	146.5940	1200	5.1	1490	5353
Tasmania	Stack's Bluff	SB-400-1	-41.7300	147.6950	400	10.8	660	5764
Tasmania	Stack's Bluff	SB-400-2	-41.7240	147.6980	400	9.8	799	5760
Tasmania	Stack's Bluff	SB-600-1	-41.7260	147.6920	600	10.8	660	5765
Tasmania	Stack's Bluff	SB-600-2	-41.7230	147.6940	600	9.8	799	5763
Tasmania	Stack's Bluff	SB-800-1	-41.6320	147.7220	800	7.8	1221	5745
Tasmania	Stack's Bluff	SB-800-2	-41.6310	147.7280	800	8	1191	5742
Tasmania	Stack's Bluff	SB-800-3	-41.6300	147.7310	800	8	1191	5742
Tasmania	Stack's Bluff	SB-1000-1	-41.6240	147.7110	1000	6.2	1415	5747
Tasmania	Stack's Bluff	SB-1000-2	-41.6250	147.7100	1000	6.2	1415	5748
Tasmania	Stack's Bluff	SB-1200-1	-41.6230	147.7010	1200	5.9	1436	5750
Tasmania	Stack's Bluff	SB-1200-2	-41.6240	147.7000	1200	4.9	1526	5751
Tasmania	Stack's Bluff	SB-1400-1	-41.6220	147.6970	1400	4.9	1526	5751
Tasmania	Stack's Bluff	SB-1400-2	-41.6250	147.6950	1400	4.9	1526	5753
Tasmania	Stack's Bluff	SB-1400-3	-41.6170	147.6890	1400	4.6	1552	5752
Tasmania	Stack's Bluff	SB-1400-4	-41.6190	147.7000	1400	4.9	1526	5750

Table S2: Eigenvalues and % variance explained by principal components and contribution of habitat characteristics and morphological traits to the primary and secondary principal components from PCA.

		Habitat		Morphological traits		
		PC1	PC2	PC1	PC2	
Eigenvalue		3.20	1.32	2.01	1.33	
% Variance		40.0	16.5	28.7	19.0	
Characteristic	% Total canopy	0.51	0.11	Head width	-0.18	0.73
	% Tree canopy	0.52	0.04	Lightness	-0.11	-0.82
	% Ground cover	-0.18	0.54	Mandible length	-0.18	-0.17
	% Grass	-0.15	0.59	Femur length	0.64	0.00
	% Litter	0.50	-0.11	Eye position	0.69	0.14
	% Rock	-0.26	-0.32	Pilosity	-0.65	-0.16
	% Bare	-0.24	-0.46	Sculpturing	-0.79	-0.24
	% Moss	0.20	-0.14			