

Supplementary Information

Data sources used in the analysis for “Microsites Promoting Seedling Regeneration in the Alpine Treeline Ecotone Worldwide” by Adelaide C. Johnson and J. Alan Yeakley

Source	Country	Annual temperature (°C)	Annual precipitation (cm)	Elevation (m)	Genus	Microsite type
Yu et al. 2019	China	-3.1	105	2050	<i>Betula</i>	Concave
Butler et al. 2004	Montana	2.2	93	2900	<i>Abies</i>	Concave
Enrico et al. 2004	Argentina	8.0	84	2100	<i>Polyeptis</i>	Concave
Autio and Coepert 2005	Finland	-1.3	50	460	<i>Picea</i>	Concave
Hemp 2005	Tanzania	8.0	14	3000	<i>Erica.</i>	Concave
Holtmeier and Broll 1992	USA, Colorado	-3.5	123	3500	<i>Picea</i>	Concave
Hughes et al. 2009	Georgia	-3.6	107	2512	<i>Betula</i>	Concave
Mellman-Brown 2005	USA, Colorado	3.7	62	2995	<i>Pinus</i>	Concave
Kimball and Weihrauch 2000	USA, New Hampshire	0.7	147	1624	<i>Betula</i>	Concave
Kullman and Oberg 2009	Sweden	-0.5	73	795	<i>Betula</i>	Concave
Li and Yang, 2004	Austria	4.5	103	2100	<i>Picea</i>	Concave
Çolak 2003	Turkey	5.0	100	1800	<i>Pinus</i>	Convex
Brett and Klinka 1998	Canada, B.C.	5.0	300	1195	<i>Chamaecyparuss</i>	Convex
Heikkinen 1984	USA, Washington, Mt. Baker	4.5	280	1500	<i>Abies</i>	Convex
Hiller and Mütterthies 2005	Switzerland	1.3	66	2300	<i>Pinus</i>	Convex
Holtmeier 2009	USA, Colorado	1.9	93	3100	<i>Picea</i>	Convex
Lowery 1972	USA, Washington, North Cascades	1.4	279	1665	<i>Abies</i>	Convex
Mori and Hasegawa 2007	Japan	2.5	350	1910	<i>Abies</i>	Convex
Rocheftort and Peterson 1996	USA, Washington, Mt. Rainier	3.6	280	1775	<i>Abies</i>	Convex
Taylor 1995	USA, California	-0.2	107	2600	<i>Tsuga</i>	Convex
Zald, personal communication	USA, Oregon, Mt. Jefferson	2.6	223	1797	<i>Tsuga</i>	Convex
Renard et al. 2016	Canada	-4.0	160	1261	<i>Picea</i>	Object
Akhalkatsi et al. 2006	Georgia	4.8	78	2512	<i>Betula</i>	Object
Bader et al. 2007	Ecuador	12.0	117	3600	<i>Clusia</i>	Object

Batllori 2009	Spain	11.0	100	2200	<i>Pinus</i>	Object
Cholar et al. 2001	France	12.0	123	2600	<i>Pinus</i>	Object
Cierjacks et al. 2007	Ecuador	8.3	143	4093	<i>Polyeptis</i>	Object
Cuevas 2000	Chile	2.7	50	700	<i>Nothofagus</i>	Object
Cunningham 2007	Switzerland	5.5	150	2040	<i>Picea</i>	Object
Source	Country	Annual temperature (°C)	Annual precipitation (cm)	Elevation (m)	Genus	Microsite type
Daly and Shankman 1985	USA, Colorado	-3.5	93	3400	<i>Picea</i>	Object
Hättenschwiler and Smith 1999	USA, Wyoming	3.6	70	3200	<i>Picea</i>	Object
Harsch et al. 2012	New Zealand	5.4	150	1350	<i>Nothofagus</i>	Object
Johnson and Smith 2006	USA, North Carolina	7.8	148	1908	<i>Abies</i>	Object
Maher and Germino 2006	USA, Wyoming_	0.6	100	3017	<i>Abies</i>	Object
Moir et al. 1999	USA, Wyoming	1.1	108	3200	<i>Picea</i>	Object
Oosterhoorn and Kappelle 2000	Costa Rica	12.0	255	2710	<i>Quercus</i>	Object
Rehm and Feeley, 2013	Peru	8.5	220	3600	<i>Polyeptis</i>	Object
Šrútek et al. 2002	Spain, Canary Islands	11.0	22	2000	<i>Pinus</i>	Object
Wearne and Morgan 2001	Australia	12.0	180	1640	<i>Eucalyptus</i>	Object
Marzano et al. 2013	Italy	5.6	75	1800	<i>Pinus</i>	Object
Baier et al. 2007	Germany	5.0	187	1100	<i>Picea</i>	Wood
Gratzer 1999	Bhutan	4.7	137	3700	<i>Abies</i>	Wood
Johnson, unpublished	USA, Washington, Mt. Rainier	3.6	279	1700	<i>Abies</i>	Wood
Johnson, unpublished	USA, Alaska, Mt. Roberts	0.1	345	873	<i>Tsuga</i>	Wood
Johnson, unpublished	USA, Alaska, Prince of Wales, Island	2.4	439	885	<i>Picea</i>	Wood
Johnson and Yeakley 2016	USA, Washington, North Cascades	1.6	237	1215	<i>Abies</i>	Wood
Mori et al. 2004	Japan	3.5	250	2050	<i>Picea</i>	Wood
Motta 2006	Italy	2.4	131	1900	<i>Picea</i>	Wood
Narukawa et al. 2003	Japan	2.0	200	2200	<i>Tsuga</i>	Wood
Ran 2010	China	1.5	86	3300	<i>Rhodo</i>	Wood
Veblen 1989	Chile	7.0	250	1500	<i>Nothofagus</i>	Wood

Ziolonka and Niklossen 2004	Poland	3.0	180	1350	<i>Picea</i>	Wood
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