

Supporting information (Table S1)

Table S1: Summary table of species-specific mean, standard error, standard deviation, minimum, median, maximum, and range values for elevation and measured anatomical and morphological variables.

variable	species	mean	st err	st dev	min	median	max	range
elevation (m-asl)	<i>Larix decidua</i>	2389.2	3.2	71.7	2263	2377.2	2599.1	336.1
	<i>Picea abies</i>	2361.1	4.5	63.3	2216	2357	2560.3	344.3
	<i>Pinus cembra</i>	2326.7	1.9	47.8	2216	2320	2514.7	298.7
aboveground length (cm)	<i>Larix decidua</i>	12.3	0.2	5.2	2	12	30	28
	<i>Picea abies</i>	9.9	0.3	5	2	9	25	23
	<i>Pinus cembra</i>	11.9	0.2	6	2	11	35	33
belowground length (cm)	<i>Larix decidua</i>	13.3	0.3	7.6	2	11.4	60	58
	<i>Picea abies</i>	12.2	0.6	8.1	2	10	65	63
	<i>Pinus cembra</i>	11.3	0.2	6.3	2	10	50	48
plant length (cm)	<i>Larix decidua</i>	25.4	0.5	11.3	5	24	88	83
	<i>Picea abies</i>	22.1	0.8	11.3	4	19.3	80	76
	<i>Pinus cembra</i>	23.1	0.4	10.7	5	21	74	69
plant age (rings)	<i>Larix decidua</i>	10.5	0.2	5	2	10	48	46
	<i>Picea abies</i>	13.8	0.4	5.9	3	13	41	38
	<i>Pinus cembra</i>	7.7	0.1	3.1	1	7	35	34
bark thickness (mm)	<i>Larix decidua</i>	1.5	0	0.8	0.1	1.5	5.6	5.5
	<i>Picea abies</i>	1	0	0.5	0.1	0.9	2.6	2.5
	<i>Pinus cembra</i>	0.9	0	0.5	0.1	0.9	3	2.9
root collar diameter (mm)	<i>Larix decidua</i>	7	0.2	3.7	1	6.3	25.8	24.8
	<i>Picea abies</i>	5.2	0.2	3	1	4.7	18.2	17.2
	<i>Pinus cembra</i>	4	0.1	2.3	1	3	17	16
xylem diameter (mm)	<i>Larix decidua</i>	5.7	0.2	3.2	0.8	5.2	21.3	20.5
	<i>Picea abies</i>	4.3	0.2	2.7	0.8	3.7	16.4	15.6
	<i>Pinus cembra</i>	3.4	0.1	2.1	0.8	2.7	12	11.2
germination date (year)	<i>Larix decidua</i>	2008	0	5	1971	2009	2017	46
	<i>Picea abies</i>	2005	0	6	1978	2006	2016	38
	<i>Pinus cembra</i>	2011	0	3	1984	2011	2017	33