

## Supplemental Material for Holtz and Schoettle

**Table S1.** Mean metrics per year over a 20 year interval from 1996 to 2015 for R and S trees from the extracted limber pine cores.

Variable	<i>n</i>		Mean (SE)	
	R	S	R	S
Radial ring width (mm)	49	44	0.895 (0.064)	0.779 (0.069)
No. Vertical Ducts (no. year <sup>-1</sup> )	43	40	3.974 (0.234)	3.575 (0.221)
Total Duct Area (mm <sup>2</sup> year <sup>-1</sup> )	43	40	0.071 (0.004)	0.062 (0.004)
Duct Density (no. mm <sup>-2</sup> year <sup>-1</sup> )	49	44	0.843 (0.037)	0.941 (0.048)
Relative Duct Area (% annual ring)	49	44	1.428 (0.041)	1.536 (0.067)

**Table S2.** Regression statistics for growth and resin duct traits over a 10 year interval from 2001 to 2010 for R and S trees from the extracted limber pine cores as a function of elevation.

Trait		R Trees	S Trees	All Trees
Radial ring width (mm)	<i>R</i> <sup>2</sup>	0.11	0.21	0.15
	<i>p</i>	0.0273	0.0031	0.0003
	<i>n</i>	49	44	93
No. Vertical Ducts (no. year <sup>-1</sup> )	<i>R</i> <sup>2</sup>	0.23	0.14	0.19
	<i>p</i>	0.0012	0.0160	<0.0001
	<i>n</i>	43	40	83
Total Duct Area (mm <sup>2</sup> year <sup>-1</sup> )	<i>R</i> <sup>2</sup>	0.16	0.09	0.12
	<i>p</i>	0.0085	0.0588	0.0011
	<i>n</i>	43	40	83
Duct Density (no. mm <sup>-2</sup> year <sup>-1</sup> )	<i>R</i> <sup>2</sup>	0.0	0.08	0.02
	<i>p</i>	0.8622	0.0590	0.2072
	<i>n</i>	49	44	93
Relative Duct Area (% annual ring)	<i>R</i> <sup>2</sup>	0.04	0.11	0.01
	<i>p</i>	0.1651	0.0303	0.3599
	<i>n</i>	49	44	93