

Online Supplemental Material

Rodriguez-Zaccaro, F. D., Valdovinos-Ayala, J., Percolla, M. I., Venturas, M. D., Pratt, R. B., & Jacobsen, A. L. (2019). Wood structure and function change with maturity: Age of the vascular cambium is associated with xylem changes in current year growth. *Plant, Cell & Environment*

TABLE S1 Vessel length measures were conducted on different stem samples than those used for other measures. In some cases, the large branches required for these measures could only be obtained from a subset of the 6 trees sampled for other measures and in other cases we added additional trees. The number of individuals sampled, the diameter of the stem at the point of gas injection for each cambial age category (young, intermediate, and older) (mean \pm 1 SE), and the maximum vessel length of samples (mean \pm 1 SE) are included for all species and cambial age categories. Complete species names are included in Table 1.

Species	n (#)			Injected Stem Diameter (mm)			Maximum Vessel Length (m)		
	Young	Inter.	Older	Young	Inter.	Older	Young	Inter.	Older
<i>Callistemon</i>	7	4	5	2.87 \pm 0.15	4.20 \pm 0.31	7.49 \pm 0.55	1.200 \pm 0.138	1.264 \pm 0.093	2.099 \pm 0.218
<i>Ceratonia</i>	6	5	7	5.19 \pm 0.38	7.33 \pm 0.15	9.33 \pm 0.20	0.616 \pm 0.127	0.767 \pm 0.110	0.959 \pm 0.135
<i>Cercis</i>	15	10	6	3.29 \pm 0.10	4.88 \pm 0.23	7.25 \pm 0.31	0.990 \pm 0.177	1.638 \pm 0.216	1.896 \pm 0.209
<i>Cinnamomum</i>	5	5	4	5.06 \pm 0.22	7.00 \pm 0.22	9.50 \pm 0.75	0.722 \pm 0.095	0.940 \pm 0.117	1.109 \pm 0.200
<i>Eucalyptus</i>	11	9	5	3.66 \pm 0.23	5.82 \pm 0.16	7.58 \pm 0.32	1.271 \pm 0.073	1.481 \pm 0.188	1.558 \pm 0.234
<i>Fraxinus</i>	9	6	4	4.79 \pm 0.22	6.00 \pm 0.42	7.74 \pm 1.16	0.934 \pm 0.141	1.187 \pm 0.144	1.739 \pm 0.184
<i>Koelreuteria</i>	14	8	6	7.01 \pm 0.34	12.01 \pm 0.90	14.19 \pm 0.90	0.575 \pm 0.056	2.117 \pm 0.245	2.609 \pm 0.142
<i>Laurus</i>	7	6	7	4.05 \pm 0.28	5.97 \pm 0.40	8.84 \pm 0.41	0.466 \pm 0.098	0.724 \pm 0.205	0.946 \pm 0.201
<i>M. grandiflora</i>	7	7	6	6.55 \pm 0.25	9.08 \pm 0.36	10.36 \pm 0.48	0.294 \pm 0.063	0.375 \pm 0.047	0.420 \pm 0.026
<i>M. soulangeana</i>	10	13	12	3.55 \pm 0.07	5.45 \pm 0.15	7.85 \pm 0.46	0.603 \pm 0.148	0.860 \pm 0.089	1.257 \pm 0.088
<i>Parkinsonia</i>	9	8	9	4.37 \pm 0.18	6.49 \pm 0.28	8.67 \pm 0.36	0.456 \pm 0.048	0.546 \pm 0.069	0.779 \pm 0.132
<i>Pistacia</i>	9	7	6	6.79 \pm 0.57	8.85 \pm 0.79	10.76 \pm 0.84	0.632 \pm 0.072	1.102 \pm 0.131	1.412 \pm 0.124
<i>Platanus</i>	6	5	6	4.49 \pm 0.37	5.11 \pm 0.21	8.80 \pm 0.85	0.834 \pm 0.191	1.035 \pm 0.203	1.415 \pm 0.154
<i>Pyrus</i>	6	6	6	4.57 \pm 0.30	6.80 \pm 0.15	9.29 \pm 0.15	0.409 \pm 0.033	0.593 \pm 0.084	0.674 \pm 0.128
<i>Quercus</i>	6	6	5	3.52 \pm 0.37	5.25 \pm 0.09	7.43 \pm 0.56	0.838 \pm 0.186	1.243 \pm 0.302	1.538 \pm 0.149
<i>Schinus</i>	14	12	12	3.89 \pm 0.10	5.26 \pm 0.10	6.86 \pm 0.16	0.333 \pm 0.033	0.400 \pm 0.037	0.399 \pm 0.019
<i>Triadica</i>	8	7	9	2.79 \pm 0.15	4.16 \pm 0.26	7.04 \pm 0.65	0.426 \pm 0.105	0.455 \pm 0.051	0.889 \pm 0.118

Online Supplemental Material

Rodriguez-Zaccaro, F. D., Valdovinos-Ayala, J., Percolla, M. I., Venturas, M. D., Pratt, R. B., & Jacobsen, A. L. (2019). Wood structure and function change with maturity: Age of the vascular cambium is associated with xylem changes in current year growth. *Plant, Cell & Environment*

TABLE S2 Vessel diameter was measured on a minimum of 50 earlywood and latewood vessels within the outer growth ring of samples of differing cambial age (young, intermediate, older). Mean (± 1 SE) and maximum values for several different vessel diameter traits are included below for each species and cambial age category. Complete species names are included in Table 1.

Species	Cambial age	Mean Vessel Diameter (μm)	Maximum Earlywood Vessel Diameter (μm)	Maximum Latewood Vessel Diameter (μm)	Mean Earlywood Vessel Diameter (μm)	Mean Latewood Vessel Diameter (μm)
<i>Callistemon</i>	Young	25.6 \pm 1.2	38.0	58.1	23.9 \pm 0.9	27.6 \pm 1.6
	Intermediate	31.1 \pm 1.5	66.5	58.3	31.4 \pm 2.1	30.8 \pm 1.0
	Older	33.3 \pm 0.8	55.6	59.4	33.1 \pm 0.1	33.7 \pm 1.3
<i>Ceratonia</i>	Young	35.5 \pm 2.7	74.1	63.4	35.8 \pm 2.8	35.5 \pm 2.8
	Intermediate	48.4 \pm 2.7	76.6	87.8	45.7 \pm 2.5	51.9 \pm 3.5
	Older	52.6 \pm 1.5	79.1	93.8	47.8 \pm 1.2	58.1 \pm 2.3
<i>Cercis</i>	Young	28.4 \pm 2.2	62.1	55.2	33.2 \pm 2.5	24.7 \pm 2.6
	Intermediate	30.1 \pm 1.5	74.6	52.1	35.1 \pm 2.0	24.8 \pm 3.4
	Older	30.3 \pm 2.7	86.8	55.0	36.9 \pm 3.1	24.1 \pm 3.2
<i>Cinnamomum</i>	Young	32.5 \pm 1.4	67.4	64.1	33.5 \pm 1.8	31.9 \pm 1.5
	Intermediate	37.5 \pm 1.6	69.9	75.3	38.1 \pm 2.6	37.2 \pm 1.4
	Older	38.5 \pm 1.6	79.1	70.9	41.7 \pm 1.8	36.0 \pm 1.9
<i>Eucalyptus</i>	Young	42.1 \pm 2.6	69.4	75.4	39.8 \pm 2.6	44.5 \pm 2.8
	Intermediate	44.4 \pm 2.5	70.0	73.8	43.6 \pm 2.6	45.5 \pm 2.9
	Older	44.5 \pm 2.7	82.1	72.3	43.3 \pm 3.0	46.2 \pm 2.7
<i>Fraxinus</i>	Young	33.7 \pm 1.3	63.5	58.4	37.6 \pm 1.5	28.1 \pm 1.6
	Intermediate	50.7 \pm 3.1	115.4	87.0	62.8 \pm 3.8	38.2 \pm 3.1
	Older	52.4 \pm 2.3	120.1	88.4	68.1 \pm 2.5	36.3 \pm 2.4
<i>Koelreuteria</i>	Young	43.2 \pm 1.5	96.3	83.6	45.7 \pm 1.8	39.9 \pm 2.0
	Intermediate	53.9 \pm 6.0	144.2	112.4	57.2 \pm 6.6	50.6 \pm 5.7
	Older	57.7 \pm 5.3	126.4	115.8	62.1 \pm 4.9	52.3 \pm 5.9
<i>Laurus</i>	Young	28.1 \pm 2.0	51.0	46.3	29.7 \pm 2.5	26.7 \pm 1.7
	Intermediate	36.4 \pm 1.7	65.4	58.8	40.7 \pm 2.8	33.5 \pm 1.4
	Older	39.6 \pm 1.8	65.4	64.5	42.9 \pm 2.4	37.1 \pm 1.6
<i>M. grandiflora</i>	Young	19.2 \pm 0.9	37.5	31.0	20.3 \pm 1.0	18.2 \pm 0.9
	Intermediate	19.6 \pm 0.5	36.0	30.6	20.8 \pm 0.6	18.3 \pm 0.5
	Older	19.4 \pm 0.6	32.8	29.6	20.2 \pm 0.9	18.7 \pm 0.6
<i>M. soulangeana</i>	Young	22.5 \pm 0.5	36.3	30.7	23.4 \pm 0.7	21.1 \pm 0.6
	Intermediate	22.5 \pm 0.7	35.5	30.6	23.3 \pm 0.8	21.2 \pm 0.6
	Older	22.1 \pm 1.0	34.5	32.4	22.9 \pm 1.0	21.0 \pm 0.9

Online Supplemental Material

Rodriguez-Zaccaro, F. D., Valdovinos-Ayala, J., Percolla, M. I., Venturas, M. D., Pratt, R. B., & Jacobsen, A. L. (2019). Wood structure and function change with maturity: Age of the vascular cambium is associated with xylem changes in current year growth. *Plant, Cell & Environment*

<i>Parkinsonia</i>	Young	37.1 ± 0.9	75.1	73.2	38.5 ± 1.4	36.2 ± 1.5
	Intermediate	42.2 ± 2.4	85.3	79.0	42.7 ± 2.9	41.9 ± 2.4
	Older	41.4 ± 3.7	95.1	84.0	42.5 ± 4.3	40.4 ± 3.2
<i>Pistacia</i>	Young	29.8 ± 3.1	77.3	50.2	33.2 ± 3.5	20.3 ± 2.7
	Intermediate	38.5 ± 3.1	93.8	70.9	45.6 ± 3.6	27.3 ± 4.0
	Older	39.1 ± 5.3	104.2	101.0	46.4 ± 4.3	26.3 ± 7.5
<i>Platanus</i>	Young	30.3 ± 1.5	48.6	48.4	29.2 ± 1.7	31.0 ± 1.7
	Intermediate	32.2 ± 0.7	48.2	47.1	32.6 ± 0.8	31.7 ± 0.7
	Older	35.2 ± 1.6	59.3	48.7	36.6 ± 1.9	33.8 ± 1.3
<i>Pyrus</i>	Young	20.0 ± 0.8	38.4	30.1	20.6 ± 1.4	19.5 ± 0.5
	Intermediate	21.9 ± 1.0	45.2	32.4	23.3 ± 1.4	20.4 ± 0.7
	Older	24.7 ± 0.8	40.6	36.3	25.9 ± 1.0	23.7 ± 0.9
<i>Quercus</i>	Young	28.8 ± 0.6	69.2	63.5	30.4 ± 1.5	26.8 ± 1.8
	Intermediate	33.1 ± 1.5	79.2	68.2	37.2 ± 2.7	28.4 ± 1.0
	Older	36.3 ± 2.4	82.7	61.2	41.3 ± 3.7	30.1 ± 1.4
<i>Schinus</i>	Young	23.2 ± 0.6	60.8	65.2	23.9 ± 1.0	22.7 ± 0.7
	Intermediate	24.7 ± 1.4	60.6	51.8	26.7 ± 1.8	23.2 ± 1.3
	Older	25.5 ± 0.9	59.8	68.1	26.4 ± 1.1	24.9 ± 0.8
<i>Triadica</i>	Young	48.0 ± 2.7	89.8	97.7	46.5 ± 2.9	50.4 ± 3.8
	Intermediate	58.0 ± 2.4	117.2	105.8	60.6 ± 4.9	56.7 ± 3.5
	Older	63.0 ± 2.7	127.7	107.9	65.2 ± 3.7	60.6 ± 3.6

Online Supplemental Material

Rodriguez-Zaccaro, F. D., Valdovinos-Ayala, J., Percolla, M. I., Venturas, M. D., Pratt, R. B., & Jacobsen, A. L. (2019). Wood structure and function change with maturity: Age of the vascular cambium is associated with xylem changes in current year growth. *Plant, Cell & Environment*

TABLE S3 Vulnerability to cavitation curves were generated for each of 17 tree species, with 6 samples measured for each species for each of three different cambial ages (young, intermediate, and older). Mean water potential at 50% loss in hydraulic conductivity (P50) and xylem specific hydraulic conductivity (K_s) values for each species and cambial age category are included below ± 1 SE. Full species names are included in Table 1.

Species	Cambial age	P50 (MPa)	K_s ($\text{kg m}^{-1} \text{MPa}^{-1} \text{s}^{-1}$)
<i>Callistemon</i>	Young	-0.653 \pm 0.188	0.698 \pm 0.214
	Intermediate	-0.800 \pm 0.184	0.765 \pm 0.166
	Older	-0.777 \pm 0.088	0.888 \pm 0.130
<i>Ceratonia</i>	Young	-1.122 \pm 0.224	0.258 \pm 0.047
	Intermediate	-1.145 \pm 0.165	1.102 \pm 0.136
	Older	-0.832 \pm 0.129	1.326 \pm 0.182
<i>Cercis</i>	Young	-0.589 \pm 0.171	1.003 \pm 0.655
	Intermediate	-1.297 \pm 0.299	0.976 \pm 0.881
	Older	-1.364 \pm 0.159	1.113 \pm 0.249
<i>Cinnamomum</i>	Young	-0.330 \pm 0.101	1.745 \pm 0.354
	Intermediate	-0.732 \pm 0.156	2.019 \pm 0.491
	Older	-1.108 \pm 0.747	1.295 \pm 0.445
<i>Eucalyptus</i>	Young	-0.722 \pm 0.185	3.246 \pm 0.917
	Intermediate	-1.143 \pm 0.219	1.809 \pm 0.346
	Older	-0.628 \pm 0.121	2.679 \pm 0.257
<i>Fraxinus</i>	Young	-0.245 \pm 0.164	0.831 \pm 0.242
	Intermediate	-0.459 \pm 0.149	2.422 \pm 0.653
	Older	-0.596 \pm 0.227	4.081 \pm 1.083
<i>Koelreuteria</i>	Young	-0.266 \pm 0.074	1.578 \pm 0.219
	Intermediate	-0.384 \pm 0.111	3.092 \pm 0.249
	Older	-0.424 \pm 0.221	4.220 \pm 1.010
<i>Laurus</i>	Young	-0.700 \pm 0.083	0.517 \pm 0.144
	Intermediate	-0.983 \pm 0.074	0.615 \pm 0.123
	Older	-1.005 \pm 0.193	0.814 \pm 0.184
<i>M. grandiflora</i>	Young	-1.288 \pm 0.176	0.775 \pm 0.126
	Intermediate	-2.972 \pm 0.172	1.201 \pm 0.237
	Older	-4.027 \pm 0.503	1.164 \pm 0.204
<i>M. soulangeana</i>	Young	-0.653 \pm 0.188	0.197 \pm 0.054
	Intermediate	-0.800 \pm 0.184	0.460 \pm 0.069
	Older	-0.777 \pm 0.088	0.520 \pm 0.109
<i>Parkinsonia</i>	Young	-0.895 \pm 0.277	2.196 \pm 0.492
	Intermediate	-1.517 \pm 0.575	1.706 \pm 0.334
	Older	-0.668 \pm 0.094	1.626 \pm 0.124

Online Supplemental Material

Rodriguez-Zaccaro, F. D., Valdovinos-Ayala, J., Percolla, M. I., Venturas, M. D., Pratt, R. B., & Jacobsen, A. L. (2019). Wood structure and function change with maturity: Age of the vascular cambium is associated with xylem changes in current year growth. *Plant, Cell & Environment*

<i>Pistacia</i>	Young	-0.697 ± 0.149	0.987 ± 0.989
	Intermediate	-0.434 ± 0.139	2.702 ± 0.956
	Older	-0.330 ± 0.139	3.232 ± 1.170
<i>Platanus</i>	Young	-1.317 ± 0.137	1.461 ± 0.283
	Intermediate	-1.598 ± 0.095	1.874 ± 0.166
	Older	-1.613 ± 0.080	2.111 ± 0.342
<i>Pyrus</i>	Young	-2.518 ± 0.282	1.360 ± 0.333
	Intermediate	-3.198 ± 0.262	1.653 ± 0.217
	Older	-4.200 ± 0.239	1.972 ± 0.242
<i>Quercus</i>	Young	-0.380 ± 0.167	2.078 ± 0.650
	Intermediate	-0.340 ± 0.201	0.814 ± 0.316
	Older	-0.410 ± 0.078	0.789 ± 0.278
<i>Schinus</i>	Young	-1.030 ± 0.134	2.097 ± 0.305
	Intermediate	-1.497 ± 0.128	1.681 ± 0.314
	Older	-1.809 ± 0.302	1.831 ± 0.356
<i>Triadica</i>	Young	-0.377 ± 0.069	1.814 ± 0.466
	Intermediate	-0.440 ± 0.191	3.011 ± 0.679
	Older	-0.388 ± 0.201	3.653 ± 0.758

Online Supplemental Material

Rodriguez-Zaccaro, F. D., Valdovinos-Ayala, J., Percolla, M. I., Venturas, M. D., Pratt, R. B., & Jacobsen, A. L. (2019). Wood structure and function change with maturity: Age of the vascular cambium is associated with xylem changes in current year growth. *Plant, Cell & Environment*

TABLE S4 Results from a Tukeys *post hoc* test comparing species differences for the primary traits, maximum vessel length, mean vessel diameter, hydraulic conductivity (K_s), and cavitation resistance (P50). Species differed for each of the traits ($P < 0.001$ for all), but there was a significant interaction between species and age for each of the traits ($P < 0.001$ vessel length and vessel diameter, $P = 0.024$ K_s , and $P = 0.006$ P50). For each trait, different letters indicate differences between a species*age category. Full species names are included in Table 1.

Species	Cambial Age (category)	Maximum Vessel Length	Mean Vessel Diameter	K_s	P50
<i>Callistemon</i>	young	DEFGHIJ	KLMNOPQRS	GHI	FGHIJ
	intermediate	BCDEFGHIJKL	HIJKLMNOPS	GHI	EFGHIJ
	older	ABC	GHIJKLMNO	FGHI	EFGHIJ
<i>Ceratonia</i>	young	IJKLMN	FGHIJKLMN	I	DEFGHIJ
	intermediate	E GHIJKLMN	BCDEF	EFGHI	DEFGHIJ
	older	EFGHIJKLMN	ABCD	DEFGHI	EFGHIJ
<i>Cercis</i>	young	E GHIJ L	JKLMNOPQRS	EFGHI	FGHIJ
	intermediate	BCD F	HIJKLMNOPS	EFGHI	BCDEFGH
	older	ABCD	HIJKLMNOPS	DEFGHI	BCDEFG
<i>Cinnamomum</i>	young	E GHIJKLMN	GHIJKLMNO	DEFGHI	IJ
	intermediate	EFGHIJKLMN	EFGHIJKL	CDEFGHI	FGHIJ
	older	CDEFGHIJKLMN	EFGHIJK	EFGHI	FGHIJ
<i>Eucalyptus</i>	young	DEFGHI	CDEFGHI	BCDE	FGHIJ
	intermediate	BCDEFG	CDEFG	CDEFGHI	DEFGHIJ
	older	BCDEFGH	CDEFG	BCDEFGH	FGHIJ
<i>Fraxinus</i>	young	E GHIJKLMN	GHIJKLMNO	EFGHI	IJ
	intermediate	CDEFGHIJ L	ABCDE	BCDEF	FGHIJ
	older	ABCDEF	ABCD	AB	EFGHIJ
<i>Koelreuteria</i>	young	JKLMN	CDEFGH	CDEFGHI	IJ
	intermediate	AB	ABC	ABC	FGHIJ
	older	A	AB	A	GHIJ
<i>Laurus</i>	young	JKLMN	JKLMNOPQRS	HI	EFGHIJ
	intermediate	GHIJKLMN	FGHIJKLM	HI	DEFGHIJ
	older	EFGHIJKLMN	DEFGHIJ	GHI	DEFGHIJ
<i>M. grandiflora</i>	young	MN	NOPQRS	GHI	CDEFGHIJ
	intermediate	KLMN	NOPQRS	EFGHI	ABC
	older	JKLMN	OPQRS	EFGHI	A
<i>M. soulangeana</i>	young	JKLMN	S	I	FGHIJ
	intermediate	GHIJKLMN	RS	HI	EFGHIJ
	older	DEFGHI	RS	HI	EFGHIJ
<i>Parkinsonia</i>	young	JKLMN	FGHIJK	CDEFGHI	EFGHIJ

Online Supplemental Material

Rodriguez-Zaccaro, F. D., Valdovinos-Ayala, J., Percolla, M. I., Venturas, M. D., Pratt, R. B., & Jacobsen, A. L. (2019). Wood structure and function change with maturity: Age of the vascular cambium is associated with xylem changes in current year growth. *Plant, Cell & Environment*

	intermediate older	JKLMN GHIJKLMN	CDEFGH DEFGHI	DEFGHI DEFGHI	DEFGHIJ FGHIJ
<i>Pistacia</i>	young intermediate older	IJKLMN DEFGHIJKL N BCDEFGHI	IJKLMNOPQRS EFGHIJK EFGHIJ	EFGHI BCDEFGH BCDEF	EFGHIJ GHIJ HIJ
<i>Platanus</i>	young intermediate older	E GHIJKLMN DEFGHIJKLMN BCDEFGHI	HIJKLMNOPQRS GHIJKLMNOPQRS FGHIJKLMNO	DEFGHI CDEFGHI CDEFGHI	CDEFGHI BCDEFG BCDEFG
<i>Pyrus</i>	young intermediate older	JKLMN IJKLMN HIJKLMN	QRS PQRS LMNOPQRS	DEFGHI DEFGHI CDEFGHI	ABCD AB A
<i>Quercus</i>	young intermediate older	E GHIJKLMN CDEFGHIJ BCDEFGH	JKLMNOPQRS GHIJKLMNOPQ FGHIJKLM	CDEFGHI EFGHI EFGHI	IJ IJ GHIJ
<i>Schinus</i>	young intermediate older	M K MN K MN	MNOPQRS LMNOPQRS KLMNOPQRS	BCDEFGHI CDEFGHI CDEFGHI	DEFGHIJ BCDEF ABCDE
<i>Triadica</i>	young intermediate older	JKLMN JKLMNAB E GHIJKLMNA	BCDEF	CDEFGHI BCDEFG ABCD	IJ IJ J

Online Supplemental Material

Rodriguez-Zaccaro, F. D., Valdovinos-Ayala, J., Percolla, M. I., Venturas, M. D., Pratt, R. B., & Jacobsen, A. L. (2019). Wood structure and function change with maturity: Age of the vascular cambium is associated with xylem changes in current year growth. *Plant, Cell & Environment*

Fig. S1



FIGURE S1 Representative branchlets and leaves from the 17 sampled tree species. For each species a branchlet is included as well as both adaxial and abaxial images of leaves. All images were taken at the same time and are shown at the same scale, with a 6 cm scale bar included in the lower left corner of the image. Fruit or flowers are included if they were present in July at the time that this image was taken. Full species names are included in Table 1, and numbers correspond to each species as follows; 1: *Callistemon*, 2: *Ceratonia*, 3: *Cercis*, 4: *Cinnamomum*, 5: *Fraxinus*, 6: *Eucalyptus*, 7: *Koelreuteria*, 8: *Laurus*, 9: *M. grandiflora*, 10: *M. soulangeana*, 11: *Parkinsonia*, 12: *Pistacia*, 13: *Pyrus*, 14: *Quercus*, 15: *Schinus*, 16: *Platanus*, and 17: *Triadica*. Photo credit: ALJ.

Online Supplemental Material

Rodriguez-Zaccaro, F. D., Valdovinos-Ayala, J., Percolla, M. I., Venturas, M. D., Pratt, R. B., & Jacobsen, A. L. (2019). Wood structure and function change with maturity: Age of the vascular cambium is associated with xylem changes in current year growth. *Plant, Cell & Environment*

Fig. S2

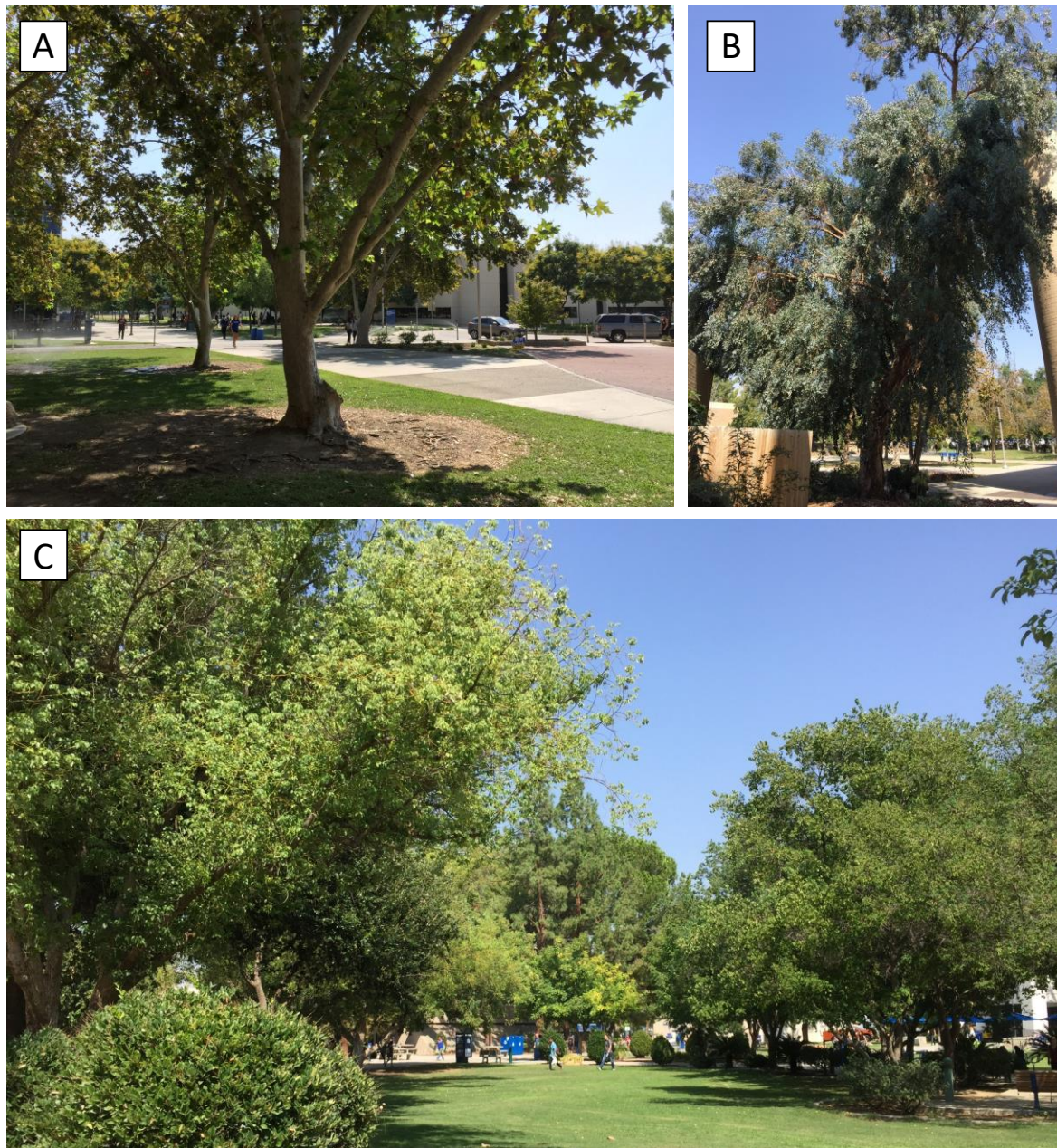


FIGURE S2 Mature irrigated trees were sampled from California State University, Bakersfield, USA. Trees were >30 years old and grown well-spaced from one another. Images show some of the sampled tree species and locations, including *Platanus* (A), *Eucalyptus* (B), and *Cinnamomum*, *Koelreuteria*, and *Pistacia* (C). Photo credit: ALJ.

Online Supplemental Material

Rodriguez-Zaccaro, F. D., Valdovinos-Ayala, J., Percolla, M. I., Venturas, M. D., Pratt, R. B., & Jacobsen, A. L. (2019). Wood structure and function change with maturity: Age of the vascular cambium is associated with xylem changes in current year growth. *Plant, Cell & Environment*

Fig. S3

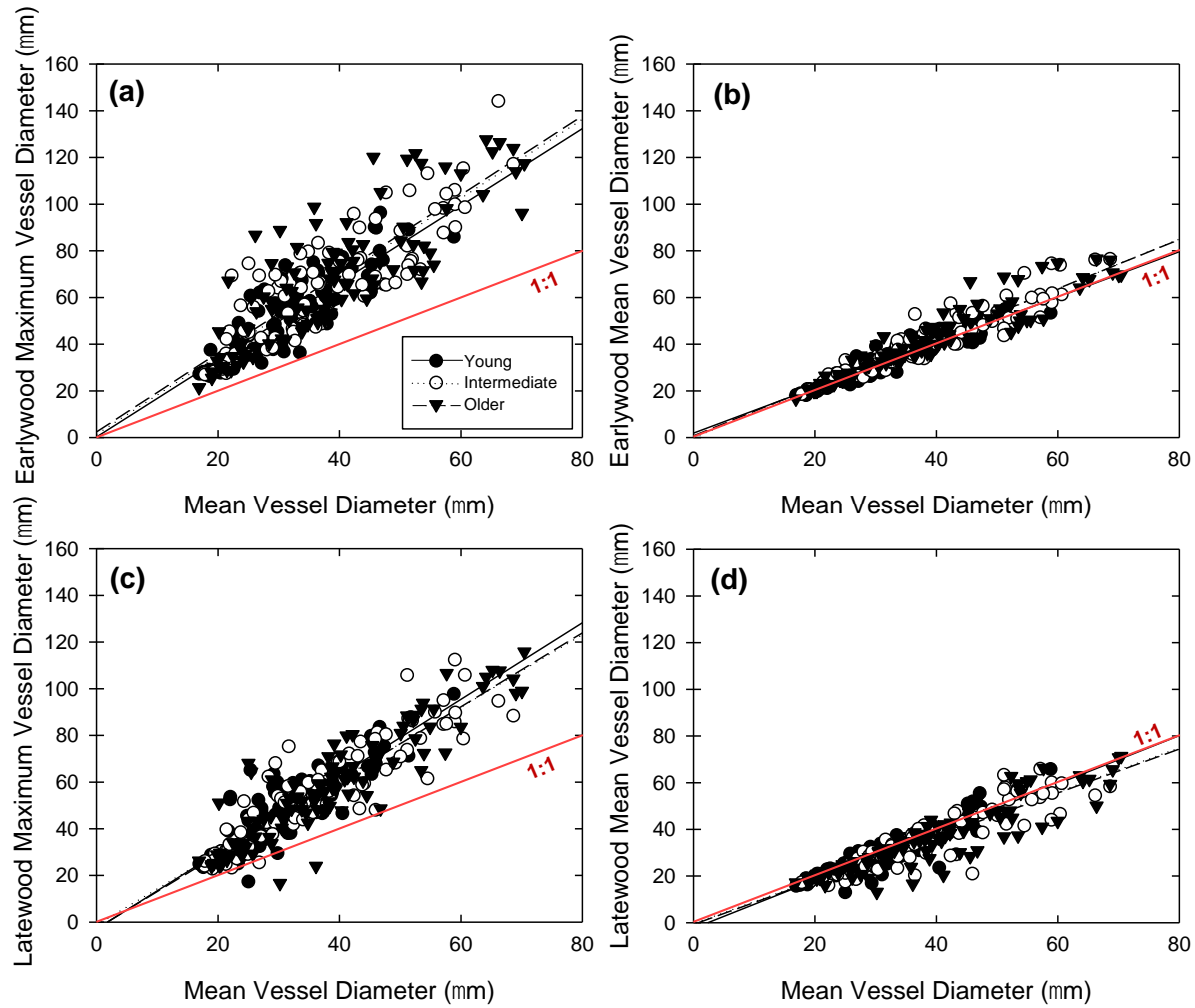


FIGURE S3 Vessel diameter traits (Table S2) were strongly correlated with one another ($P < 0.001$ for all shown correlations). Mean vessel diameter was selected for all additional analyses as a representative trait for vessel diameter traits.