Table S3. Person product correlation coefficients and p-values (P≤0.05) for growth (basal area increment/basal area) (1925-2015) of individual living neighbor trees vs. climate variables for Wind Cave (WICA). MA = mean annual, GS = growing season, PDSI = Palmer drought severity index. Yellow = significant positive correlation, turquoise = significant negative correlation.

WICA neighbors

	MA Temperature		MA Precipitation		MA PDSI		GS Temperature		GS Precipitation		GS PDSI	
Tree	r	P-value	r	P-value	r	P-value	r	P-value	r	P-value	r	P-value
WICA1AA	0.07359	0.5192	0.06048	0.5965	0.07925	0.4875	-0.09394	0.4103	0.008764	0.9389	0.1141	0.3167
WICA1B	-0.2227	0.0339	0.2861	0.006	0.3314	0.0013	-0.3083	0.0029	0.2696	0.0098	0.3266	0.0016
WICA2A	-0.1067	0.3142	0.3118	0.0026	0.3502	0.0007	-0.1672	0.1131	0.2981	0.0041	0.3691	0.0003
WICA2B	-0.1108	0.2985	0.4424	<0.0001	0.4757	<0.0001	-0.3075	0.0032	0.3881	0.0002	0.5170	<0.0001
WICA3A	-0.1307	0.2359	0.6116	<0.0001	0.6751	<0.0001	-0.3634	0.0007	0.5809	<0.0001	0.6783	<0.0001
WICA3BA	0.0369	0.7278	0.4816	<0.0001	0.4423	<0.0001	-0.2406	0.0216	0.4200	<0.0001	0.4646	<0.0001
WICA4A	-0.1470	0.1643	0.4721	<0.0001	0.4687	<0.0001	-0.3124	0.0026	0.4424	<0.0001	0.4844	<0.0001
WICA4B	-0.2696	0.0097	0.3897	0.0001	0.408	<0.0001	-0.3676	0.0003	0.3728	0.0003	0.4223	<0.0001
WICA5A	-0.2228	0.0430	0.5589	<0.0001	0.6563	<0.0001	-0.4335	<0.0001	0.5451	<0.0001	0.6649	<0.0001
WICA5B	-0.1879	0.0746	0.492	<0.0001	0.5446	<0.0001	-0.3283	0.0015	0.4013	<0.0001	0.5519	<0.0001
WICA6A	-0.1592	0.1384	0.3719	0.0004	0.3663	0.0004	-0.2592	0.0147	0.3409	0.0012	0.3965	0.0001
WICA6BA	-0.2553	0.0146	0.5905	<0.0001	0.6191	<0.0001	-0.3978	<0.0001	0.5342	<0.0001	0.6453	<0.0001