Table S4. Person product correlation coefficients and p-values (P≤0.05) for growth (basal area increment/basal area) (1925-2015) of individual beetle-killed 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 Beetle-killed Tree	**MA Temperature**		**MA Precipitation**		**MA PDSI**		**GS Temperature**		**GS Precipitation**		**GS PDSI**	
	r	**P-value**	**r**	**P-value**	**r**	**P-value**	**r**	**P-value**	**r**	**P-value**	**r**	**P-value**
WICAD1B	-0.1273	0.2292	0.1230	0.2454	0.1967	0.0617	-0.1605	0.1287	0.1045	0.3242	0.2105	0.0452
WICAD2	-0.0233	0.8269	-0.1681	0.1112	-0.1634	0.1218	0.1015	0.3384	-0.1934	0.0663	-0.1246	0.2394
WICAD3	-0.1490	0.1586	0.05482	0.6058	0.1103	0.2980	-0.1090	0.3036	-0.101	0.3409	0.1272	0.2295
WICAD4	0.2192	0.0369	0.2291	0.0290	0.1878	0.0747	0.0508	0.6328	0.1743	0.0984	0.2148	0.0408
WICAD5A	0.1356	0.1998	-0.2121	0.0435	-0.2582	0.0135	0.3007	0.0031	-0.2516	0.0161	-0.2450	0.0193
WICAD6	-0.2817	0.0068	0.4045	<0.0001	0.4102	<0.0001	-0.4171	<0.0001	0.3607	0.0004	0.4617	<0.0001
WICAD7	-0.2307	0.0278	-0.3456	0.0008	-0.3707	0.0003	0.0413	0.6976	-0.2946	0.0046	-0.3287	0.0015
WICAD8	-0.0363	0.7330	-0.3239	0.0017	-0.3178	0.0021	0.1429	0.1765	-0.2886	0.0055	-0.3036	0.0034
WICAD10A	0.0696	0.5123	0.0775	0.4654	0.1399	0.1858	0.0369	0.7286	0.06184	0.5604	0.1497	0.1566
WICAD12	-0.2493	0.0172	-0.1259	0.2344	0.0186	0.8614	-0.1701	0.1070	-0.1415	0.1810	0.0316	0.7662