Table S1. 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 Devils Tower (DETO). MA = mean annual, GS = growing season, PDSI = Palmer drought severity index. Yellow = significant positive correlation, turquoise = significant negative correlation.

DETO 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**
DETOL2AA	-0.3238	0.0017	-0.0239	0.8215	0.0808	0.4461	-0.1267	0.2315	0.0056	0.9579	0.09277	0.3818
DETOL2BA	-0.1718	0.1035	0.2839	0.0064	0.3976	<0.0001	-0.2950	0.0045	0.2230	0.0336	0.3897	0.0001
DETOL4AA	-0.2870	0.0058	0.3419	0.0009	0.4731	<0.0001	-0.1864	0.0770	0.2426	0.0205	0.462	<0.0001
DETOL4B	-0.2100	0.0457	0.2600	0.0128	0.4486	<0.0001	-0.2810	0.0070	0.1766	0.0941	0.4132	<0.0001
DETOL5A	-0.2575	0.0137	0.3458	0.0008	0.4461	<0.0001	-0.1867	0.0765	0.2599	0.0129	0.4476	<0.0001
DETOL5B	-0.2162	0.0396	0.2818	0.0068	0.4179	<0.0001	-0.2727	0.0089	0.2284	0.0294	0.4193	<0.0001
DETOL6A	-0.1697	0.1077	0.2207	0.0355	0.3546	0.0006	-0.3087	0.0029	0.1799	0.0879	0.3468	0.0008
DETOL6B	-0.1835	0.0816	0.2490	0.0173	0.2609	0.0125	-0.1187	0.2625	0.1742	0.0987	0.2723	0.009
DETOL7A	0.0626	0.5553	0.3662	0.0004	0.4647	<0.0001	-0.2307	0.0278	0.3234	0.0018	0.4551	<0.0001
DETOL8A	-0.1181	0.2649	0.2543	0.0150	0.2561	0.0143	0.02088	0.8442	0.2446	0.0194	0.2404	0.0217
DETOL10A	-0.1890	0.0728	0.3087	0.0029	0.3197	0.0020	-0.1396	0.1868	0.2195	0.0365	0.2962	0.0044
DETOL1AC	-0.2458	0.0188	0.2281	0.0296	0.3010	0.0037	-0.2556	0.0145	0.2311	0.0275	0.301	0.0037
DETOL1BC	-0.2252	0.0319	0.2093	0.0465	0.3123	0.0026	-0.2157	0.0401	0.1268	0.2311	0.3059	0.0032
DETOL2AC	-0.2528	0.0156	0.3542	0.0006	0.4267	<0.0001	-0.2669	0.0106	0.2642	0.0114	0.4271	<0.0001
DETOL2BC	-0.2089	0.0469	0.4059	<0.0001	0.4403	<0.0001	-0.2211	0.0352	0.3037	0.0034	0.433	<0.0001
DETOL3AC	-0.3108	0.0027	0.4704	<0.0001	0.5345	<0.0001	-0.2722	0.0090	0.3673	0.0003	0.5169	<0.0001
DETOL3BC	-0.2090	0.0468	0.4118	<0.0001	0.4489	<0.0001	-0.3375	0.0011	0.3730	0.0003	0.4477	<0.0001
DETOL4AC	-0.2744	0.0085	0.0839	0.4291	0.2345	0.0253	-0.2429	0.0203	0.1081	0.3079	0.2249	0.0321
DETOL4BC	-0.3683	0.0003	0.4318	<0.0001	0.5127	<0.0001	-0.3636	0.0004	0.3789	0.0002	0.5161	<0.0001
DETOL5AC	-0.1753	0.0966	0.2554	0.0146	0.3667	0.0003	-0.3325	0.0013	0.1914	0.0692	0.3533	0.0006
DETOL5BC	-0.2239	0.0329	0.2897	0.0053	0.3809	0.0002	-0.2680	0.0102	0.2083	0.0476	0.3603	0.0005
DETOL6BC	-0.2260	0.0312	0.4002	<0.0001	0.4698	<0.0001	-0.2963	0.0044	0.3493	0.0007	0.4669	<0.0001
DETOL7AC	0.0657	0.5360	-0.1216	0.2510	0.0244	0.8183	-0.2054	0.0508	-0.1148	0.2783	0.0191	0.8574
DETOL7BC	-0.2629	0.0118	0.1597	0.1304	0.1527	0.1485	0.0961	0.3646	0.1287	0.2241	0.1346	0.2035
DETOL8AC	-0.2729	0.0089	0.3562	0.0005	0.4220	<0.0001	-0.2764	0.0080	0.2776	0.0077	0.4308	<0.0001
DETOL8BC	-0.2948	0.0046	0.2780	0.0076	0.4287	<0.0001	-0.3675	0.0003	0.2077	0.0482	0.419	<0.0001
DETOL9AC	-0.3214	0.0019	0.5722	<0.0001	0.6270	<0.0001	-0.3881	0.0001	0.5069	<0.0001	0.6129	<0.0001