

Table 5

Pollen type and climate variable loadings for DCA and PCA axes 1 and 2, respectively. Types denoted with * were used for the pollen-environment comparisons.

DCA pollen type loadings			PCA climate variable loadings		
Pollen Type	Axis 1	Axis 2	Climate Variable	Axis 1	Axis 2
<i>Tsuga heterophylla</i> *	-0.73	0.46	Annual temperature*	0.972	-0.112
<i>Alnus</i> *	-0.68	1.73	Growing degree days 0°C*	0.965	-0.078
<i>Abies</i> *	0.11	-0.21	Growing degree days 5°C	0.942	0.067
<i>Pseudotsuga/Larix</i> *	0.13	1.64	June-August temperature*	0.881	0.319
<i>T. mertensiana</i> *	0.20	-1.24	December-February temperature*	0.870	-0.444
<i>Quercus</i>	0.40	3.68	Mean temperature coldest month	0.847	-0.475
<i>Picea</i>	0.60	0.12	Mean temperature warmest month	0.842	0.396
Poaceae*	1.21	1.86	Elevation (m)*	-0.704	0.510
<i>Pinus</i> *	1.46	0.16	December-February precipitation*	-0.392	-0.878
Cupressaceae*	1.77	2.20	Temperature range	-0.107	0.870
Asteraceae*	2.12	0.78	July precip./annual precip.*	-0.231	0.870
<i>Artemisia</i> *	2.24	0.45	Annual precipitation*	-0.463	-0.825
<i>Sarcobatus</i>	4.12	1.03	January precip./annual precip.*	-0.188	-0.821
			AE/PE – Thornthwaite Mather*	-0.365	-0.751
			June-August precipitation	-0.634	-0.340
			Soil water holding capacity	-0.284	0.516
			AE/PE – Prestley Taylor	-0.574	-0.561
			Temperature minimum	-0.456	-0.632
Cumulative percentage variance	38.5	71.8		43.5	78.3

Minckley, T. and Whitlock, C. (2000) Spatial variation of modern pollen in Oregon and southern Washington, USA. *Review of Palaeobotany and Palynology* 112: 97-123.