

Table 1. Sample scores on NMDS ordination space for the pollen record from Lake Consuelo, Peru.

Sample	Age (cal yr BP)	NMDS1	NMDS2
C1-38.3	38.3	0.79	-0.12
C1-39.4	39.4	0.54	0.92
C1-40.4	40.4	0.51	0.03
C1-22.8	22.8	0.46	0.03
C1-41.5	41.5	0.45	0.15
C1-15.2	15.2	0.45	-0.08
C1-38.6	38.6	0.45	0.05
C1-19	19	0.44	0.09
C1-32.7	32.7	0.43	-0.02
C1-45.5	45.5	0.42	0.12
C1-23.2	23.2	0.42	0.05
C1-38.9	38.9	0.41	0.17
C1-44	44	0.38	0.09
C1-22.3	22.3	0.38	-0.04
C1-16.3	16.3	0.37	-0.14
C1-17.8	17.8	0.36	-0.05
C1-45	45	0.36	0.15
C1-21.8	21.8	0.35	0.00
C1-24.7	24.7	0.35	0.03
C1-46	46	0.34	0.02
C1-27.4	27.4	0.34	0.06
C1-19.8	19.8	0.34	0.08
C1-41	41	0.34	0.21
C1-42.5	42.5	0.33	0.31
C1-39.1	39.1	0.32	0.09
C1-18.6	18.6	0.32	0.21
C1-28.2	28.2	0.32	0.04
C1-21.3	21.3	0.32	-0.01
C1-32.3	32.3	0.31	0.01
C1-25.1	25.1	0.31	0.03
C1-46.3	46.3	0.30	0.13
C1-18.2	18.2	0.29	0.19
C1-33.4	33.4	0.29	0.16
C1-26.1	26.1	0.28	0.02
C1-26.6	26.6	0.28	-0.20
C1-31.5	31.5	0.28	-0.05
C1-36.5	36.5	0.27	0.14

Sample	Age (cal yr BP)	NMDS1	NMDS2
C1-20.2	20.2	0.27	0.11
C1-43.5	43.5	0.27	0.35
C1-43	43	0.26	0.06
C1-37.3	37.3	0.26	0.08
C1-17	17	0.26	-0.11
C1-23.7	23.7	0.26	0.01
C1-42	42	0.26	0.27
C1-24.2	24.2	0.24	0.03
C1-17.4	17.4	0.23	0.06
C1-39.6	39.6	0.23	0.09
C2-1.9	1.9	0.23	-0.87
C1-19.4	19.4	0.21	-0.03
C1-35.1	35.1	0.21	0.16
C1-37	37	0.21	0.06
C1-25.6	25.6	0.21	0.01
C1-29	29	0.20	-0.13
C1-33.8	33.8	0.20	0.09
C1-36.9	36.9	0.20	0.20
C1-30.7	30.7	0.20	0.17
C1-34.1	34.1	0.19	0.01
C1-15.6	15.6	0.17	0.07
C1-34.8	34.8	0.17	0.04
C1-39.9	39.9	0.17	0.17
C1-40.2	40.2	0.16	0.00
C1-35.4	35.4	0.16	-0.01
C1-16.7	16.7	0.15	0.15
C1-37.8	37.8	0.14	0.50
C1-15.9	15.9	0.13	0.08
C2-3.7	3.7	0.12	-0.69
C2-2.4	2.4	0.11	-1.16
C1-33.1	33.1	0.11	-0.11
C1-38.1	38.1	0.10	0.19
C1-34.4	34.4	0.10	0.24
C1-35.8	35.8	0.10	-0.04
C1-36.1	36.1	0.08	0.07
C1-37.5	37.5	0.08	0.37
C1-20.7	20.7	0.08	0.10
C1-36.8	36.8	0.06	0.07
C1-44.5	44.5	0.06	0.71

Sample	Age (cal yr BP)	NMDS1	NMDS2
C2-2.2	2.2	0.05	-0.73
C1-14.9	14.9	0.04	-0.01
C1-14.2	14.2	-0.01	-0.01
C1-14.6	14.6	-0.01	0.14
C2-1.7	1.7	-0.06	-0.61
C1-13.9	13.9	-0.07	0.05
C1-13.2	13.2	-0.07	0.02
C2-1.4	1.4	-0.11	-0.51
C1-13.5	13.5	-0.12	0.02
C2-5.0	5	-0.15	-1.22
C2-4.0	4	-0.17	-0.67
C2-4.6	4.6	-0.18	-1.05
C1-12.9	12.9	-0.23	0.38
C1-8.17	8.17	-0.29	-0.32
C2-4.3	4.3	-0.31	-0.67
C1-12.5	12.5	-0.33	0.00
C2-3.5	3.5	-0.34	-0.57
C1-8.146	8.146	-0.38	-0.21
C1-7.4	7.4	-0.39	0.12
C1-10.2	10.2	-0.40	0.33
C2-3.2	3.2	-0.42	-0.32
C1-5.4	5.4	-0.42	0.19
C1-10.8	10.8	-0.43	0.21
C1-8.149	8.149	-0.43	-0.03
C1-10.5	10.5	-0.43	0.04
C1-12.2	12.2	-0.45	0.25
C2-0.9	0.9	-0.47	-0.23
C1-9.7	9.7	-0.50	0.14
C1-11.5	11.5	-0.51	-0.08
C1-10	10	-0.51	0.06
C1-8.04	8.04	-0.52	0.40
C1-7.7	7.7	-0.53	0.46
C2-0.6	0.6	-0.54	-0.18
C1-8.33	8.33	-0.56	0.03
C1-11.9	11.9	-0.58	0.04
C1-9.3	9.3	-0.59	0.13
C1-9.8	9.8	-0.61	0.10
C2-1.2	1.1	-0.62	-0.33
C1-8.82	8.82	-0.63	0.32

Sample	Age (cal yr BP)	NMDS1	NMDS2
C1-8.21	8.21	-0.63	0.29
C1-9.1	9.1	-0.63	0.15
C1-8.49	8.49	-0.64	0.23
C2-0.4	0.4	-0.68	-0.08
C2-2.7	2.7	-0.70	-0.24
C1-9	9	-0.73	0.11
C1-7.9	7.9	-0.73	0.47
C2-3.0	2.9	-0.74	-0.19
C1-6.4	6.4	-0.75	0.32
C1-8.66	8.66	-0.80	0.11
C1-9.5	9.5	-0.81	0.27

Table 2. Species scores on NMDS ordination space for the pollen record from Lake Consuelo, Peru.

Taxa	NMDS1	NMDS2
Bocconia	0.82	0.26
Alnus	0.78	-0.02
Ericaceae	0.75	0.12
Daphnopsis_Thymelaeaceae	0.72	-0.20
Caryophyllaceae	0.67	0.26
Leg_Mim_Mimosa	0.58	0.25
Lamiaceae	0.56	-0.02
Apiaceae	0.54	0.32
Sapotaceae	0.50	0.58
Myrtaceae	0.50	0.13
Dollicarpus_type	0.50	0.17
Meliaceae_Carapa	0.48	0.14
Solanaceae	0.47	-0.03
Podocarpus	0.43	0.20
Amaranthaceae	0.43	0.13
Hedyosmum	0.41	-0.14
Asteraceae_tubuliflorae	0.37	-0.13
Paullinia	0.36	-0.26
Tiliaceae_Heliocarpus	0.33	-0.89
Melastomataceae_Combretaceae	0.33	0.02
Poaceae	0.31	0.11
Dendropanax	0.30	-0.43
Anthurium	0.30	0.24
Vallea	0.30	-0.12

Taxa	NMDS1	NMDS2
Ceroxylon	0.29	1.46
Myrsine	0.28	-0.02
Sapium	0.27	-0.15
Clethra	0.27	-0.03
Symplocos	0.26	-0.73
Weinmannia	0.23	-0.20
Asteraceae_liguliflora	0.21	-0.60
Phyllanthus	0.21	-0.70
Proteaceae	0.19	0.19
Ilex	0.19	-0.49
Arecaceae	0.17	0.31
Begonia	0.17	-0.47
Leg_Pap	0.16	-0.18
Lecythidaceae_Eschweilera	0.16	-0.06
Myrica	0.15	-0.45
Meliaceae_Trichillia	0.15	0.15
Marcgraviaceae_type	0.13	0.34
Zanthoxylum	0.13	0.66
Juglans	0.05	0.07
Sloanea	0.04	-0.84
Hyeronima	0.03	-0.82
Polylepis_Acaena	-0.02	-0.87
Arecaceae_Euterpe	-0.03	-2.14
Rhamnaceae	-0.05	-1.66
Leg_Caesalpiniaceae	-0.10	-0.29
Warszewiczia	-0.16	-0.86
Protium	-0.18	-0.37
Macherium	-0.19	0.27
Cecropia	-0.19	0.11
Cupania	-0.21	-0.43
Alchornea	-0.22	-0.07
Rubiaceae	-0.22	0.01
Mauritia	-0.24	-2.21
Celtis2	-0.27	0.34
Vismia	-0.29	-1.27
Eugenia	-0.30	-2.09
Rub_Uncaria	-0.30	-2.01
Acalypha	-0.32	0.06

Taxa	NMDS1	NMDS2
Piper	-0.33	0.29
Flacourtiaceae	-0.38	0.50
Moraceae_Urticaceae	-0.50	-0.08
Areaceae_Geonoma	-0.50	-1.71
Mabea	-0.51	-0.07
Ficus	-0.57	-0.99
Euphorbiaceae_Chamaesyce	-0.66	-0.05
Areaceae_Iriarteia	-0.71	-0.45
Dictyocaryum	-0.73	-0.23
Anacardiaceae_Tapirira	-0.77	0.53
Brassicaceae	-0.81	-1.13
Sapotaceae	-0.85	-0.05
Anacardiaceae	-0.97	-0.93
Trema	-1.02	0.16
Celtis	-1.19	-0.07