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Ultra-high resolution pollen record from the northern Andes reveals rapid shifts in montane climates within the last two glacial cycles

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Supplementary Table 1. Core sections (depth in cm) of Fúquene-9 and Fúquene-10

Fúquene-9	Fúquene-10		Fúquene-9	Fúquene-10
	6799-6702			3259-3161
	6644-6546		3199-3101	
	6499-6402			3140-3041
	6379-6282		3079-2981	
	6259-6162			3019-2921
6199-6100			2959-2861	
	6139-6043			2899-2802
6079-5981			2838-2742	
	6019-5922			2779-2681
5960-5861			2719-2620	
	5899-5801			2649-2556
5839-5741			2599-2501	
	5778-5681			2539-2441
5719-5621			2479-2381	
	5659-5561			2419-2321
5599-5501			2359-2261	
	5538-5441			2299-2201
5479-5380			2239-2146	
	5415-5321			2179-2083
5350-5261			2119-2021	
	5299-5202			2059-1965
5239-5163			1999-1901	
	5179-5082			1939-1841
5119-5020			1879-1781	
	5059-4962			1819-1721
4999-4901			1759-1661	
	4939-4842			1698-1601
4878-4781			1639-1541	
	4819-4721			1579-1480
4758-4660			1519-1421	
	4699-4600			1459-1361
4639-4541			1399-1301	
	4579-4481			1339-1241
4521-4422			1279-1181	
	4459-4360			1219-1121
4399-4301			1159-1061	
	4339-4241			1099-1001
4279-4181			1039-941	
	4216-4122			970-880
4159-4061			919-821	
	4099-4001			859-760
4038-3941			799-701	
	3949-3879			739-641
3919-3820			679-580	
	3859-3761			619-521
3798-3701			559-460	
	3738-3641			499-401
3679-3582			439-341	

	3619-3521			379-280
3559-3461			318-220	
	3499-3400			259-160
3439-3341			199-167	
	3378-3281			140-100
3319-3220				

Supplementary Table 2. Tie points between Fúquene-9 and Fúquene-10

Fq-10 depth (cm)	Fq-9 depth (cm)	Offset (cm)
169	108	61
257	196	61
378	318	60
499	437	62
737	669	68
858	793	65
969	899	70
1338	1255	83
1458	1368	90
1578	1475	103
1698	1587	111
1818	1742	76
2297	2212	85
2370	2279	91
2418	2367	51
2537	2522	15
2648	2695	-47
2778	2803	-25
2898	2915	-17
3018	3065	-47
3139	3170	-31
3257	3286	-29
3377	3418	-41
3498	3543	-45
3618	3649	-31
3738	3768	-30
3858	3895	-37
3948	3992	-44
4097	4145	-48
4213	4260	-47
4338	4374	-36
4457	4492	-35
4578	4614	-36
4697	4742	-45
4817	4871	-54
4938	4970	-32
5057	5092	-35
5297	5327	-30
5324	5369	-45

Supplementary Table 3. Selected intervals used to construct the Fúquene-9 composite record

Fq-9 Depth (cm)	Fq-10 Depth (cm)	*Fq-10 drilling depth*	Fq-9 Depth (cm)	Fq-10 Depth (cm)	*Fq-10 drilling depth*
6000-5982			2719-2620		
5959-5866			2599-2516		
5839-5824				2515-2480	*2530-2495*
	5823-5736	*5778-5691*	2479-2381		
5719-5622			2359-2269		
5599-5584				2268-2240	*2359-2331*
	5583-5489	*5538-5444*	2239-2146		
5479-5461			2119-2090		
	5460-5370	*5415-5325*	2083-2021		
5350-5329			1999-1901		
	5328-5235	*5298-5205*	1879-1819		
	5208-5114	*5178-5084*		1816-1795	*1901-1880*
	5094-5001	*5059-4966*	1794-1781		
	4971-4878	*4939-4846*	1758-1695		
	4873-4780	*4819-4726*		1694-1645	*1770-1721*
4758-4744			1639-1571		
	4743-4645	*4698-4600*		1570-1490	*1681-1601*
4639-4615			1489-1470		
	4614-4521	*4578-4485*		1469-1389	*1572-1492*
4520-4426			1388-1369		
	4425-4400	*4390-4365*		1368-1280	*1458-1370*
4399-4312			1278-1257		
4278-4245				1256-1160	*1339-1243*
	4244-4170	*4197-4123*	1158-1062		
4158-4065				1061-1039	*1144-1122*
	4064-4049	*4016-4001*	1038-941		
4037-3994				899-810	*969-880*
	3993-3923	*3949-3879*	799-739		
3919-3896				738-695	*803-760*
	3895-3799	*3858-3762*	679-580		
	3768-3679	*3738-3649*	558-460		
3678-3596				437-339	*499-401*
	3595-3564	*3564-3533*		319-227	*379-287*
3558-3499			199-167		
	3498-3450	*3453-3405*			
3438-3342					
3318-3260					
	3259-3199	*3230-3170*			
3198-3104					
3077-2981					
2958-2861					
	2860-2838	*2843-2821*			
2837-2742					

Core depth of Fúquene-9 are according to the original depth intervals. Core depth of Fúquene-10 are shown as their original depth intervals and the new depth intervals after correlating the cores.