

Samples ID and type				Radiocarbon age		Calibrated date (BC/AD)			Fraction of modern	
DirectAMS code	ID Sample	Archaeological Site	Sample type	BP	error	from	to	%	Pmc	error
D-AMS 033584	287RAMC1-B3	Ramaditas	corn kernel	2260	28	-376	-206	95,4	75.48	0.26
D-AMS 033583	221RAMC1-003	Ramaditas	corn kernel	2041	19	-56	45	95,4	77.56	0.18
D-AMS 033582	37PIR251-3A	Pircas	corn cob	1897	19	114	224	95,4	78.96	0.19
D-AMS 033569	455PT	Pintados	corn kernel	1778	30	234	376	95,4	80.14	0.3
D-AMS 033573	466ITU2-4B	Iluga Túmulo	corn cob	1730	28	250	416	95,4	80.63	0.28
D-AMS 033579	591CAS526-3B	Caserones	corn kernel	1638	26	407	538	95,4	81.55	0.26
D-AMS 033571	542ITU2-2A	Iluga Túmulo	corn kernel	1619	30	413	570	95,4	81.75	0.31
D-AMS 033578	598CAS7-6B	Caserones	corn kernel	1592	24	432	577	95,4	82.02	0.25
D-AMS 033570	91ITU1-3A	Iluga Túmulo	corn kernel	1545	23	525	634	95,4	82.5	0.24
D-AMS 033585*	165TAR40 SR	Tarapacá 40	corn kernel	1522	32	530	640	95,4	82.74	0.33
D-AMS 033924	164TAR40 SR	Tarapacá 40	corn kernel	1533	27	533	645	95,4	82.63	0.28
D-AMS 033586	571TAR40-L-T9	Tarapacá 40	corn kernel	1478	24	586	652	95,4	83.19	0.24
D-AMS 033572	1000 IT-Pto003	Iluga Túmulo	corn kernel	1109	24	897	1025	95,4	87.1	0.26
D-AMS 033568	445PT2372sup	Pintados 2372	corn cob	920	23	1051	1221	95,4	89.18	0.25
D-AMS 033577	592CAS7-5	Caserones	corn cob	830	24	1214	1279	95,4	90.18	0.27
D-AMS 033567	218TAR13-A1-5	Tarapacá 13	corn kernel	379	24	1464	1629	95,4	95.39	0.28
D-AMS 033575	137TAR49-A8-12B	Tarapacá Viejo	corn kernel	352	25	1496	1643	95,4	95.71	0.3
D-AMS 033580	260TAR49-A3-7B	Tarapacá Viejo	corn kernel	326	24	1504	1653	95,4	96.02	0.29
D-AMS 033576*	700ACC7	Alero Cerro Colorado 7	corn kernel	280	29	1511	1799	95,4	96.58	0.35

Supplementary Table 1. Radiocarbon dates. Nineteen Radiocarbon dates over maize are reported. They belong to 10 archaeological sites from the Tarapacá region. Dates highlighted in bold letters with crosses were previously indicated in Figure 1 of the main text and belongs to the sites used for this study. Dates with an asterisk correspond to sample A and B presented in supplementary Figure 1. Calibration date (BC/AD) was made using OxCal v.4.3.2 (online software service) and the SHCal13 atmospheric curve.