

<i>Taxa</i>	<i>Family</i>	<i>Common name</i>	<i>Type</i>	<i>Phytogeographic affinity</i>
<i>Malvaceae</i>	<i>Malvaceae</i>	–	–	–
<i>Chenopodiaceae</i>	<i>Chenopodiaceae</i>	–	–	–
<i>Baccharis</i> aff. <i>tola</i>	<i>Asteraceae</i>	<i>Tola</i>	<i>Shrub</i>	<i>Puna</i>
<i>Haploppapus</i> sp.	<i>Asteraceae</i>	–	–	<i>Desert</i>
<i>Cryptantha</i> sp.	<i>Boraginaceae</i>	<i>Itallapa</i>	<i>Annual</i>	<i>Prepuna</i>
<i>Brassicaceae</i> aff. <i>Atacama nivea</i>	<i>Brassicaceae</i>	–	–	<i>Desert</i>
<i>Ephedra americana</i>	<i>Ephedraceae</i>	<i>Pingo-pingo</i>	<i>Shrub</i>	<i>Puna and Prepuna</i>
<i>Adesmia</i> sp.	<i>Fabaceae</i>	<i>Arvejilla</i>	<i>Annual and perennial herbs</i>	<i>Puna and Prepuna</i>
<i>Phacelia cuminingii</i>	<i>Hydrophyllaceae</i>	–	<i>Annual herbs</i>	<i>Puna and Prepuna</i>
<i>Phacelia pinnatifida</i>	<i>Hydrophyllaceae</i>	<i>Sobaco negro</i>	<i>Annual and perennial herbs</i>	<i>Prepuna</i>
<i>Cristaria</i> sp.	<i>Malvaceae</i>	<i>Malvilla</i>	<i>Annual</i>	<i>Puna and Prepuna</i>
<i>Pappostipa frigida</i>	<i>Poaceae</i>	<i>Paja brava</i>	<i>Perennial Grass</i>	<i>Steppa</i>
<i>Gilia</i> sp.	<i>Polemoniaceae</i>	–	<i>Annual</i>	<i>Puna and Prepuna</i>
<i>Cistanthe</i> sp.	<i>Portulacaceae</i>	–	<i>Perennial Grass</i>	<i>Prepuna</i>
<i>Fabiana</i> sp.	<i>Solanaceae</i>	–	<i>Perennial Grass</i>	<i>Puna</i>
<i>Junellia bryoides</i>	<i>Verbeceae</i>	<i>Rosa de la cordillera</i>	<i>Shrub</i>	<i>Puna</i>

Table 1: Macrofossils identified, including their family, common name, type and phytogeographic affinity.

<i>ID</i>	<sup>14</sup> <i>C age</i>	<i>SD</i>	<i>Lower cal yr BP</i>	<i>Upper cal yr BP</i>	<i>SD</i>	<i>Median</i>	<i>Lat °</i>	<i>Long °</i>	<i>Midden agent</i>
QIN208A	1310	15	1270	1115	35	1230	25.597	69.238	<i>Abrocoma</i>
QIN208B	180	15	280	modern	90	150	25.597	69.238	<i>Abrocoma</i>
QIN211	8210	25	9270	9010	75	9105	25.597	69.238	<i>Abrocoma</i>
QIN213	12855	35	15505	15145	90	15300	25.599	69.243	*
QIN214A	14150	45	17350	17040	85	17185	25.599	69.243	<i>Abrocoma</i>
QIN214B	10175	25	11875	11635	70	11780	25.599	69.243	<i>Abrocoma</i>
QIN214C	12920	35	15575	15245	85	15400	25.599	69.243	<i>Abrocoma</i>
QIN215A	5700	20	6540	6315	45	6440	25.597	69.243	<i>Abrocoma</i>
QIN215B	1740	15	1700	1535	45	1600	25.597	69.243	<i>Abrocoma</i>
QIN215C	3515	15	3835	3645	50	3755	25.597	69.243	<i>Abrocoma</i>
QIN216	7895	20	8775	8545	65	8635	25.597	69.23	<i>Phyllotis</i>
QIN2171	8615	25	9660	9480	30	9540	25.596	69.22	<i>Abrocoma</i>
QIN2172	8980	25	10215	9905	90	10060	25.596	69.22	<i>Abrocoma</i>
QIN218	11035	30	13070	12795	60	12925	25.595	69.235	<i>Abrocoma</i>
QIN219	10480	30	12605	12095	135	12345	25.594	69.235	<i>Phyllotis</i>
QIN220A	9190	25	10485	10230	60	10300	25.594	69.235	*
QIN237A	2140	15	2115	2005	35	2065	25.594	69.235	*
QIN237B	1120	20	1055	925	40	970	25.593	69.231	<i>Abrocoma</i>
QIN238	9565	25	11075	10690	125	10865	25.597	69.238	<i>Abrocoma</i>
QIN242	11705	35	13600	13455	45	13535	25.6	69.24	<i>Abrocoma</i>
QIN243A	10015	25	11625	11265	110	11450	25.597	69.238	<i>Abrocoma</i>
QIN2451	11950	30	14010	13605	100	13775	25.597	69.238	*
QIN2452	9125	25	10340	10185	35	10235	25.597	69.238	*
QIN246	10200	25	11925	11650	55	11810	25.597	69.238	<i>Abrocoma</i>
QIN249B	4230	20	4845	4585	65	4730	25.597	69.239	*
QIN256	345	15	445	305	40	395	25.593	69.231	<i>Abrocoma</i>
QIN259	10105	25	11765	11325	125	11635	25.594	69.234	<i>Abrocoma</i>
QIN260A	1740	15	1700	1535	45	1600	25.593	69.232	<i>Abrocoma</i>

Table 2: Table 2: Site identifying code, radiocarbon dates, calendar year BP (95.4 % probability ranges; curve Shcal20, Oxcal 4.4) and former agent for 28 rodent middens analyzed (see Fig. 1 for midden localities).SD: standard deviation. \*: Unidentified