

References can be found in ‘Supplementary material – methods and references’

Table S1

Geographical, temporal, contextual, and sampling information for each site. Generic cultural and time periods correspond as follows: Early Neolithic is prior to 4000 BC; Middle Neolithic is 4000-3300 BC; Late Neolithic is 3300-2200BC (Final Neolithic = 3300-2900BC and Chalcolithic = 2900-2200 BC); and Early Bronze Age is 2200-1700 BC.

Site	Region	Burial Type	Period	Sampled (n=)	Accepted (n=)
Pedreria das Salemas	Lisbon	Pit	Early Neolithic	2	2
Carrascal	Lisbon	Dolmen	Middle Neolithic	5	4
Pedras Grandes	Lisbon	Dolmen	Middle Neolithic	5	5
Monte do Castelo	Lisbon	Rock cut tomb	Middle Neolithic	4	4
Casal do Penedo	Lisbon	Dolmen	Middle-Late Neolithic	9	6
Carcavelos	Lisbon	Dolmen	Middle-Late Neolithic	41	41
Monte Abraão	Lisbon	Dolmen	Middle-Late Neolithic	15	12
Estria	Lisbon	Dolmen	Late Neolithic	8	6
Folha das Barradas	Lisbon	Rock cut tomb	Late Neolithic	27	19
Agualva	Lisbon	Tholos	Chalcolithic-Bronze Age	6	3
Pedra dos Mouros	Lisbon	Dolmen	Late Neolithic	2	1
Trigache 2	Lisbon	Dolmen	Late Neolithic	3	3
Verdelha dos Ruivos	Lisbon	Cave	Chalcolithic	2	2
Furninha	Oeste	Cave	Early to Late Neolithic	1	0
Paimogo 1	Oeste	Tholos	Chalcolithic-Bronze Age	61	56
Senhora das Lapas	Tomar	Cave	Early-Neolithic	4	3
Cadaval	Tomar	Cave	Early-Middle Neolithic	7	7
Ossos	Tomar	Cave	Middle-Late Neolithic	16	15
Aldeinha	Alentejo	Dolmen	Middle-Late Neolithic	1	0
Azinhã 1	Alentejo	Dolmen	Middle-Late Neolithic	1	0
Cabeceira 4	Alentejo	Dolmen	Middle-Late Neolithic	1	1
Lobeira de Baixo 2	Alentejo	Dolmen	Middle-Late Neolithic	1	0
Sobreira 1	Alentejo	Dolmen	Middle-Late Neolithic	3	3
Perdigões - Tomb 1	Alentejo	Tholos	Chalcolithic	8	2
Lagar	Alentejo litoral	Cave	Middle Neolithic	13	12
Cerca do Zambujal	Alentejo litoral	Cave	Middle-Late Neolithic	38	33
Total				284	240

Table S2

Stable carbon and nitrogen isotope and associated collagen integrity data for all human bone collagen samples. *indicate that stable isotope values are from one run only. ~indicate that collagen was extracted using 10kd (rather than 30kd ultrafilters).

S-EVA	Site	Catolog No.	Bone	Side	% Col	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$	%C	%N	C:N
6043	Agualva	295.4a.027	Femur	L	0.4	-19.4	9.0	43.2	15.2	3.3
6047	Agualva	295.4a.024	Femur	L	0.4	-19.5	7.9	31.0	11.2	3.2
6048	Agualva	205.4a.022	Femur	L	0.5	-19.7	7.4	31.1	11.4	3.2
6044	Agualva	295.4a.025	Femur	L	0.1					
6045	Agualva	295.4c.014	Femur	L	0.1					
6046	Agualva	295.4c.015	Femur	L	0.0					
4380	Aldeinha	MLH 026MNA 49	Cranium		0.2					
4382	Azinhã 1	MLH 028MNA 1029	Iliac		0.0					
4383	Cabeceira 4	MLH 029MNA 1132	Femur		1.2	-19.3	10.3	41.3	14.1	3.4
6854*~	Cadaval	629-33	Radius	R	N/A	-20.2	9.4	40.0	13.0	3.6
6855	Cadaval	H29-61	Radius	R	2.4	-19.8	9.3	42.3	14.8	3.3
6856~	Cadaval	N26-N1-S/C 233- ?/8/84	Radius	R	1.4	-20.1	9.5	39.2	13.7	3.4
6857	Cadaval	N27-S/C/226	Radius	R	0.3	-20.1	9.0	20.5	6.6	3.6
6858	Cadaval	H26-82	Radius	R	0.9	-19.8	8.4	41.6	14.6	3.3
6859	Cadaval	H30-S/C155	Radius	R	0.9	-19.8	9.6	44.1	15.1	3.4
6860	Cadaval	N26-N1-S/C 234-?/8/84	Radius	R	0.5	-19.7	9.0	39.3	13.7	3.4
4363	Carcavelos	MLH 009HC89	Mandible		1.2	-20.3	8.6	40.6	14.1	3.4
4364	Carcavelos	MLH 010HC06Fb-56	Mandible		0.8	-19.6	9.0	41.4	14.6	3.3
4365	Carcavelos	MLH 011HC119	Mandible		1.2	-19.7	7.4	41.6	14.2	3.4
4366	Carcavelos	MLH 012HC0102	Mandible		1.2	-19.5	8.6	38.0	13.3	3.3
4367	Carcavelos	MLH 013HC06D6SI	Mandible		0.3	-19.9	8.1	39.5	14.0	3.3
4368	Carcavelos	MLH 014HC90	Mandible		1.6	-19.9	8.5	41.3	14.9	3.2
5800	Carcavelos	HC34A25	Femur	L	1.0	-19.6	8.3	38.9	13.9	3.3
5801	Carcavelos	C6236A1	Femur	L	1.2	-19.9	7.1	40.4	14.6	3.2
5802	Carcavelos	HC1220A4	Femur	L	2.0	-19.4	8.4	34.9	12.6	3.2
5803	Carcavelos	C699A1	Femur	L	1.6	-19.5	8.3	37.4	13.6	3.2
5804	Carcavelos	C6265A1	Femur	L	2.0	-19.3	7.6	41.4	14.9	3.2
5805	Carcavelos	C512A1	Femur	L	2.0	-19.9	7.3	38.2	13.5	3.3
5806	Carcavelos	G619A1	Femur	L	1.0	-19.3	8.0	39.9	14.4	3.2
5807	Carcavelos	C6162A1	Femur	L	1.2	-20.0	7.8	41.3	14.8	3.3
5808	Carcavelos	HC49A20	Femur	L	2.6	-19.5	8.5	44.1	15.5	3.3
5809	Carcavelos	F38A2	Femur	L	1.3	-19.5	7.8	37.2	13.3	3.3
5810	Carcavelos	HC20A13	Femur	L	2.4	-19.8	8.2	41.1	14.6	3.3
5811	Carcavelos	HC103A5	Femur	L	2.4	-19.8	8.1	43.1	15.5	3.2
5812	Carcavelos	D693A1/83	Femur	L	1.4	-19.6	8.3	40.0	14.4	3.2

5813	Carcavelos	C6272A5	Femur	L	1.1	-19.9	7.7	42.5	15.0	3.3
5814	Carcavelos	HC33A10	Femur	L	1.4	-19.4	8.1	43.2	15.5	3.3
5815	Carcavelos	C6116A1	Femur	L	0.6	-19.4	8.1	42.6	15.1	3.3
5816	Carcavelos	HC112A1	Femur	L	0.8	-19.6	8.5	39.0	13.7	3.3
5817	Carcavelos	HC65A7	Femur	L	1.8	-20.0	8.2	43.8	15.5	3.3
5818	Carcavelos	C6155A6	Femur	L	0.7	-19.4	8.6	42.8	15.2	3.3
5819	Carcavelos	C6120A1	Femur	L	1.7	-19.7	7.2	41.0	14.8	3.2
5820	Carcavelos	C658A2(A)	Femur	L	0.8	-19.6	8.3	43.7	15.8	3.2
5821	Carcavelos	HC292A3	Femur	L	2.4	-19.9	8.8	42.4	15.0	3.3
5822	Carcavelos	HC83A1	Femur	L	2.8	-19.1	8.1	41.7	15.2	3.2
5823	Carcavelos	C682A1	Femur	L	0.9	-19.5	8.3	38.7	13.7	3.3
5824	Carcavelos	HC1159A3	Femur	L	1.6	-19.6	7.8	43.2	15.3	3.3
5825	Carcavelos	HC20A1/96A6	Femur	L	1.8	-19.7	8.0	41.5	14.9	3.2
5826	Carcavelos	C669A1	Femur	L	1.7	-19.2	8.1	42.7	15.2	3.3
5827	Carcavelos	D5134A1	Femur	L	1.2	-19.5	7.6	41.8	15.0	3.2
5828	Carcavelos	C662A1	Femur	L	0.6	-19.9	8.0	38.7	13.6	3.3
5829	Carcavelos	HC20A12	Femur	L	0.9	-19.4	8.5	17.9	6.3	3.3
5830	Carcavelos	HC49A21	Femur	L	4.1	-20.1	7.3	44.1	15.9	3.2
5831	Carcavelos	C661A1	Femur	L	0.8	-19.5	8.0	43.2	15.6	3.2
5832	Carcavelos	C6112A1	Femur	L	2.0	-19.6	8.5	40.9	14.6	3.3
5833	Carcavelos	HC31A24	Femur	L	2.1	-19.8	7.7	40.6	14.5	3.3
5834	Carcavelos	D686A4	Femur	L	1.3	-19.6	7.9	42.8	15.4	3.2
4378	Carrascal	MLH 024538.9.2(a)	Mandible		1.5	-19.3	8.9	41.8	14.3	3.4
4379	Carrascal	MLH 025539.9.2(b)	Mandible		2.3	-19.3	9.7	42.0	14.5	3.4
6529	Carrascal	0538.0004.1	Femur	R	1.5	-19.3	8.8	39.5	14.3	3.2
6531	Carrascal	0538.0004.8	Femur	R	4.8	-19.0	9.4	45.8	16.6	3.2
6530	Carrascal	0538.0008.7	Femur	R	0.0					
6029	Casal do Penedo	177.0062.84	Femur	R	0.2	-19.3	8.7	34.7	11.8	3.4
6030	Casal do Penedo	177.0062.83	Femur	R	0.4	-19.9	7.2	31.0	10.6	3.4
6032	Casal do Penedo	177.0062.86	Femur	R	0.3	-19.7	7.7	27.4	9.6	3.3
6034	Casal do Penedo	177.0062.82	Femur	R	0.2	-20.0	8.2	42.2	13.7	3.6
6035	Casal do Penedo	177.0062.98	Femur	R	0.2	-18.7	8.2	27.1	9.8	3.2
6036	Casal do Penedo	177.0062.88	Femur	R	3.5	-19.9	8.9	44.1	15.7	3.3
6031	Casal do Penedo	177.0062.90	Femur	R	0.1					
6033	Casal do Penedo	177.0062.89	Femur	R	0.0					
6037	Casal do Penedo	177.0062.85	Femur	R	0.0					
6782	Cerca do Zambujal	33	Humerus	L	0.1	-19.5	9.3	39.7	14.2	3.3
6783	Cerca do Zambujal	20	Humerus	L	0.2	-19.4	8.7	72.5	25.5	3.3
6784	Cerca do Zambujal	9	Humerus	L	2.9	-18.8	8.5	45.8	16.6	3.2
6785	Cerca do Zambujal	15	Humerus	L	1.3	-18.9	10.2	32.7	11.9	3.2
6787*	Cerca do Zambujal	13	Humerus	L	0.1	-15.9	11.9	46.5	15.7	3.4
6788	Cerca do Zambujal	10	Humerus	L	6.5	-19.3	8.5	43.1	15.7	3.2
6789	Cerca do Zambujal	17	Humerus	L	1.8	-19.2	9.7	42.9	15.6	3.2
6791	Cerca do Zambujal	11	Humerus	L	3.6	-18.6	9.9	44.4	16.0	3.2
6792	Cerca do Zambujal	100	Humerus	L	0.7	-19.5	9.4	41.5	14.8	3.3

6793	Cerca do Zambujal	36	Humerus	L	1.8	-19.4	10.4	49.2	17.3	3.3
6794	Cerca do Zambujal	22	Humerus	L	0.2	-19.6	10.2	34.2	11.4	3.5
6795	Cerca do Zambujal	6	Humerus	L	4.5	-18.4	9.4	43.7	15.9	3.2
6796	Cerca do Zambujal	18	Humerus	L	1.0	-19.3	9.7	44.0	15.6	3.3
6798	Cerca do Zambujal	27	Humerus	L	0.3	-19.5	9.2	43.5	15.2	3.3
6799	Cerca do Zambujal	75	Humerus	L	1.0	-18.8	9.3	40.6	14.6	3.2
6800	Cerca do Zambujal	23	Humerus	L	3.1	-19.4	9.1	43.5	16.0	3.2
6805	Cerca do Zambujal	34	Humerus	L	0.3	-19.0	10.1	42.8	14.8	3.4
6806	Cerca do Zambujal	3	Humerus	L	5.0	-19.7	8.7	45.2	15.9	3.3
6807*	Cerca do Zambujal	21	Humerus	L	0.1	-19.3	10.1	42.1	13.8	3.6
6808	Cerca do Zambujal	4	Humerus	L	1.0	-19.5	8.9	38.7	13.7	3.3
6809*	Cerca do Zambujal	16	Humerus	L	0.2	-18.4	10.7	41.7	14.8	3.3
6810	Cerca do Zambujal	26	Humerus	L	2.3	-18.5	10.1	41.5	15.1	3.2
6811	Cerca do Zambujal	31	Humerus	L	1.2	-19.1	9.9	34.9	12.6	3.2
6813*	Cerca do Zambujal	25	Humerus	L	0.2	-19.5	8.9	42.9	15.1	3.3
6814*	Cerca do Zambujal	29	Humerus	L	0.2	-20.2	8.2	42.6	14.5	3.4
6815	Cerca do Zambujal	28	Humerus	L	0.4	-19.5	9.2	43.2	15.1	3.3
6816	Cerca do Zambujal	8	Humerus	L	1.5	-19.7	8.9	44.0	15.8	3.3
6817	Cerca do Zambujal	14	Humerus	L	2.1	-17.4	11.5	44.3	15.8	3.3
6819	Cerca do Zambujal	1	Humerus	L	3.0	-18.9	9.9	42.5	15.5	3.2
6820	Cerca do Zambujal	7	Humerus	L	0.4	-19.3	9.4	41.9	14.7	3.3
6821	Cerca do Zambujal	2	Humerus	L	4.2	-18.1	10.2	44.7	16.3	3.2
6822	Cerca do Zambujal	5	Humerus	L	2.9	-19.4	9.3	44.4	16.0	3.2
6823*	Cerca do Zambujal	19	Humerus	L	0.2	-19.2	10.4	42.8	14.6	3.4
6786*	Cerca do Zambujal	30	Humerus	L	0.1	-20.6	9.0	15.3	4.9	3.7
6790	Cerca do Zambujal	12	Humerus	L	3.7	-19.3	10.0	51.6	19.2	3.1
6812	Cerca do Zambujal	32	Humerus	L	0.0					
6797	Cerca do Zambujal	35	Humerus	L	0.0					
6818	Cerca do Zambujal	24	Humerus	L	0.1					
4369	Estria	MLH015AE719.41.32.008	Mandible		0.6	-20.1	8.4	40.3	13.2	3.6
4370	Estria	MLH016AE.719.1.32.011	Mandible		0.8	-19.8	7.5	41.0	13.8	3.5
4371	Estria	MLH017AE.719.1.32.016	Mandible		2.2	-19.7	7.6	42.4	14.8	3.3
4372	Estria	MLH018AE.719.1.32.023	Mandible		1.0	-19.7	10.5	40.6	13.6	3.5
4373	Estria	MLH019AE.719.1.32.019	Mandible		0.5	-20.4	7.7	41.8	13.4	3.6
4374	Estria	MLH020AE.719.1.32.032	Mandible		0.8	-20.2	7.4	38.2	12.9	3.5
4375	Estria	MLH021AE.719.1.32.007	Mandible		0.0					
4376	Estria	MLH022AE719.41.32.004	Mandible		0.0					
6534	Folha das Barradas	293.38.010	Femur	L	3.5	-19.5	9.1	40.5	14.8	3.2
6535	Folha das Barradas	293.49.068	Femur	L	2.8	-19.5	7.9	42.4	15.5	3.2
6536	Folha das Barradas	293.54.037	Femur	L	1.4	-19.7	8.7	42.2	15.2	3.2
6537	Folha das Barradas	293.49.075	Femur	L	0.2	-19.6	9.0	32.4	11.1	3.4
6538	Folha das Barradas	293.49.079	Femur	L	2.5	-19.9	7.7	38.5	13.8	3.3
6539	Folha das Barradas	293.54.045	Femur	L	1.7	-20.4	8.0	45.7	15.7	3.4
6540	Folha das Barradas	293.54.048/038	Femur	L	3.3	-19.8	8.1	45.9	16.4	3.3
6541	Folha das Barradas	293.38.009	Femur	L	1.8	-20.0	8.5	33.9	11.8	3.4

6542	Folha das Barradas	293.58.001	Femur	L	1.4	-20.2	7.6	30.1	10.4	3.4
6543	Folha das Barradas	293.49.080	Femur	L	1.6	-20.1	8.3	39.1	13.8	3.3
6544.1	Folha das Barradas	293.40.074	Femur	L	0.3	-20.0	8.9	42.5	14.0	3.6
6545*	Folha das Barradas	293.49.076	Femur	L	4.7	-20.1	7.8	44.0	15.4	3.3
6546.1	Folha das Barradas	293.54.032	Femur	L	0.3	-19.7	8.6	42.6	14.6	3.4
6548.1	Folha das Barradas	293.49.072	Femur	L	0.6	-19.7	7.8	43.3	15.1	3.3
6550.1	Folha das Barradas	293.54.044	Femur	L	0.5	-19.8	8.6	42.2	14.1	3.5
6552.1	Folha das Barradas	293.39.016	Femur	L	0.4	-19.9	8.1	43.0	14.6	3.4
6553.1	Folha das Barradas	293.49.077	Femur	L	0.6	-19.9	6.9	43.5	15.0	3.4
6554.1	Folha das Barradas	293.49.071	Femur	L	0.2	-19.3	8.9	42.7	14.3	3.5
6557.1	Folha das Barradas	293.40.069	Femur	L	0.2	-20.0	7.3	38.4	12.8	3.5
6547	Folha das Barradas	293.54.057	Femur	L	1.4					
6549	Folha das Barradas	293.49.070	Femur	L	0.1					
6551	Folha das Barradas	293.54.031	Femur	L	2.7					
6555	Folha das Barradas	293.49.073	Femur	L	0.1					
6556	Folha das Barradas	293.49.064	Femur	L	2.2					
6558	Folha das Barradas	293.54.034	Femur	L	2.8					
6559	Folha das Barradas	293.49.078	Femur	L	0.8					
6560	Folha das Barradas	293.54.035	Femur	L	1.9					
6026	Furninha	1	Femur	?	0.0					
6771	Lagar	31	Humerus	L	2.0	-18.7	10.0	44.3	16.0	3.2
6772	Lagar	21	Humerus	L	2.8	-18.8	9.9	44.2	16.0	3.2
6773	Lagar	28	Humerus	L	1.8	-18.8	9.9	38.7	14.0	3.2
6774	Lagar	30	Humerus	L	0.9	-19.4	8.7	46.0	16.4	3.3
6775	Lagar	19	Humerus	L	1.0	-19.7	9.4	43.9	15.5	3.3
6776*	Lagar	25	Humerus	L	0.1	-19.5	10.2	40.8	13.4	3.6
6777	Lagar	23	Humerus	L	2.6	-19.4	9.8	39.9	14.4	3.2
6779	Lagar	20	Humerus	L	0.4	-19.5	9.1	44.1	15.6	3.3
6780	Lagar	26	Humerus	L	0.2	-19.3	10.7	26.3	9.0	3.4
6781*	Lagar	22	Humerus	L	0.1	-19.8	9.2	50.9	17.7	3.4
6803	Lagar	17	Humerus	L	3.9	-19.2	9.3	45.9	16.8	3.2
6804	Lagar	27	Humerus	L	0.7	-18.8	9.7	43.6	15.6	3.3
6778	Lagar	29	Humerus	L	0.0					
4381	Lobeira de Baixo 2	MLH 027 MNA 1044	Mastoid		0.0					
6512	Monte Abraão	178.212.39/33	Femur	L	2.1	-19.3	7.4	39.3	14.1	3.3
6513	Monte Abraão	178.212.26	Femur	L	0.3	-20.0	8.2	43.8	14.5	3.5
6515	Monte Abraão	178.212.20/23	Femur	L	1.1	-19.5	7.6	36.4	12.8	3.3
6516*	Monte Abraão	178.218.11	Femur	L	3.9	-19.7	7.6	36.2	12.9	3.3
6517	Monte Abraão	178.218.13	Femur	L	0.9	-19.6	8.5	39.9	14.3	3.3
6518	Monte Abraão	178.212.14/31/35	Femur	L	3.2	-19.8	8.1	45.1	16.2	3.2
6519	Monte Abraão	178.212.15/219.14	Femur	L	1.9	-19.7	8.0	42.2	14.9	3.3
6520*	Monte Abraão	178.218.12	Femur	L	0.2	-20.4	8.1	42.7	14.1	3.5
6521	Monte Abraão	178.218.06/212.04	Femur	L	2.3	-19.6	7.6	44.7	15.8	3.3
6522	Monte Abraão	178.212.27	Femur	L	2.4	-19.5	7.8	44.5	15.9	3.3

6523	Monte Abraão	178.218.09/22	Femur	L	1.6	-19.9	8.3	43.5	15.2	3.3
6524	Monte Abraão	178.218.10	Femur	L	2.8	-20.1	7.7	37.9	13.4	3.3
4377	Monte Abraão	MLH023MA.178.021.006	Mandible		0.0					
6514	Monte Abraão	178.212.01	Femur	L	0.1					
6525	Monte Abraão	178.217.25/212.09	Femur	L	0.0					
7769.2	Monte do Castelo	173	Radius	L	1.0	-19.4	6.8	41.3	13.9	3.5
7770.2	Monte do Castelo	174	Radius	L	1.1	-19.3	7.5	40.5	13.7	3.4
7771.2	Monte do Castelo	176	Radius	L	2.4	-19.2	7.7	40.4	14.5	3.2
7772.2	Monte do Castelo	177	Radius	L	1.8	-19.4	8.4	42.0	14.1	3.5
6865	Ossos	8VI-23	Humerus	R	0.3	-19.9	8.9	37.2	12.4	3.5
6866	Ossos	8VI-34	Humerus	R	0.3	-19.7	8.3	29.5	10.1	3.4
6867	Ossos	9VIII-97	Humerus	R	3.0	-19.7	8.2	41.9	14.8	3.3
6868	Ossos	9VI-211	Humerus	R	0.8	-20.1	8.4	44.2	15.4	3.4
6869	Ossos	9VIII-N3-S/C117	Humerus	R	1.7	-19.7	8.7	37.1	13.2	3.3
6870	Ossos	Rec-Sup-S/C78	Humerus	R	3.2	-19.9	8.7	44.3	15.6	3.3
6871	Ossos	9VI-185 and 9VI-283	Humerus	R	3.2	-19.9	8.5	43.3	15.4	3.3
6873	Ossos	9VIII-21	Humerus	R	3.7	-19.9	7.9	41.8	14.7	3.3
6874	Ossos	9VI-183	Humerus	R	0.7	-19.5	8.4	43.2	15.1	3.3
6875	Ossos	Rec/Sup-S/C68	Humerus	R	3.0	-19.4	8.1	43.5	15.4	3.3
6876	Ossos	Rec/Sup 4 and 81	Humerus	R	4.2	-19.1	9.7	44.8	16.0	3.3
6877*	Ossos	8VII-33	Humerus	R	1.4	-19.6	8.8	32.6	11.1	3.4
6878	Ossos	7VI-16	Humerus	R	1.3	-19.7	9.0	39.6	13.4	3.4
6879	Ossos	9VII-58	Humerus	R	3.5	-19.8	8.1	43.6	15.3	3.3
6880	Ossos	91X-5 and 91X-3	Humerus	R	0.4	-19.5	9.3	41.4	14.0	3.5
6872	Ossos	9VII-102	Humerus	R	0.0					
6027	P. Salemas	Inferior	Femur	R	2.3	-19.7	8.4	43.1	15.4	3.3
6028	P. Salemas	Superior	Femur	R	1.0	-19.8	9.2	40.2	14.4	3.3
6699	Paimogo 1	185	Femur	L	1.1	-19.2	10.0	38.5	13.6	3.3
6700	Paimogo 1	75/205	Femur	L	1.9	-19.5	8.5	35.9	13.0	3.2
6701	Paimogo 1	169	Femur	L	3.0	-19.4	8.9	46.3	16.8	3.2
6703	Paimogo 1	91	Femur	L	1.0	-19.5	8.6	41.8	14.6	3.3
6704	Paimogo 1	104/117	Femur	L	1.1	-19.4	8.6	33.9	11.9	3.3
6705	Paimogo 1	95/4029	Femur	L	0.6	-19.5	8.0	43.0	15.1	3.3
6706	Paimogo 1	98	Femur	L	1.2	-19.2	9.7	43.5	15.5	3.3
6707	Paimogo 1	119/4082	Femur	L	0.8	-19.5	8.2	43.9	15.2	3.4
6708-1	Paimogo 1	48	Femur	L	0.3	-20.2	7.5	39.9	13.6	3.4
6709	Paimogo 1	1631/12971	Femur	L	4.6	-19.6	8.0	46.7	17.1	3.2
6710	Paimogo 1	445	Femur	L	0.5	-19.2	8.4	34.1	12.1	3.3
6710.1	Paimogo 1	445	Femur	L	3.1	-19.1	8.7	33.3	12.1	3.2
6711	Paimogo 1	167	Femur	L	2.0	-19.4	8.9	35.9	12.9	3.2
6712	Paimogo 1	97/100	Femur	L	1.0	-19.5	8.1	43.9	15.3	3.3
6713*	Paimogo 1	88	Femur	L	0.1	-19.8	8.6	40.7	13.2	3.6
6714	Paimogo 1	86	Femur	L	2.0	-19.4	8.5	40.8	14.8	3.2
6716	Paimogo 1	183	Femur	L	0.7	-19.5	7.9	45.3	15.7	3.4
6717	Paimogo 1	106	Femur	L	0.3	-19.7	7.9	39.7	13.2	3.5

6718	Paimogo 1	118/1634/2023	Femur	L	0.4	-20.0	7.9	45.4	15.9	3.3
6719	Paimogo 1	111	Femur	L	2.8	-19.9	7.4	43.5	15.7	3.2
6720	Paimogo 1	1	Femur	L	3.2	-19.3	9.5	41.9	15.5	3.2
6721	Paimogo 1	4441/?	Femur	L	3.1	-19.6	8.7	44.4	16.1	3.2
6722	Paimogo 1	172	Femur	L	1.4	-19.7	8.5	44.6	15.9	3.3
6723*	Paimogo 1	76	Femur	L	0.1	-19.6	9.0	32.4	11.0	3.4
6724	Paimogo 1	58/2591/9615	Femur	L	0.4	-20.3	8.0	24.6	8.0	3.6
6725	Paimogo 1	103	Femur	L	2.0	-19.9	8.2	41.9	15.0	3.3
6726	Paimogo 1	62/11934	Femur	L	2.1	-19.6	8.5	38.4	13.8	3.3
6728	Paimogo 1	101	Femur	L	0.6	-19.6	8.4	42.5	13.9	3.6
6730	Paimogo 1	12	Femur	L	1.8	-19.8	7.7	35.3	12.7	3.2
6731	Paimogo 1	110/1800	Femur	L	0.3	-20.2	8.5	25.9	8.7	3.5
6732	Paimogo 1	59/2026	Femur	L	1.9	-20.0	7.9	43.7	15.5	3.3
6733	Paimogo 1	93/1802	Femur	L	1.3	-19.5	8.8	33.8	11.9	3.3
6734	Paimogo 1	1722/42	Femur	L	0.5	-19.8	8.2	39.5	13.3	3.5
6735	Paimogo 1	11734	Femur	L	0.7	-19.9	8.0	42.8	15.2	3.3
6736	Paimogo 1	79	Femur	L	3.2	-19.1	8.9	41.6	15.2	3.2
6737	Paimogo 1	46	Femur	L	1.0	-19.6	8.5	43.3	15.2	3.3
6738	Paimogo 1	11635	Femur	L	1.0	-19.9	7.6	33.8	12.2	3.2
6739	Paimogo 1	222	Femur	L	0.3	-19.5	8.5	42.0	14.2	3.5
6740	Paimogo 1	11634	Femur	L	4.8	-20.0	7.2	39.7	14.5	3.2
6741	Paimogo 1	128/4263/3780	Femur	L	2.5	-19.9	7.6	42.8	15.3	3.3
6742	Paimogo 1	11705	Femur	L	0.6	-19.8	8.8	30.9	10.8	3.3
6743	Paimogo 1	120/1827	Femur	L	2.7	-19.9	8.8	44.9	16.2	3.2
6745	Paimogo 1	3224/2	Femur	L	1.1	-20.3	7.5	36.8	13.1	3.3
6746	Paimogo 1	99/11965	Femur	L	3.2	-19.8	7.5	35.1	12.9	3.2
6747	Paimogo 1	25	Femur	L	4.9	-19.3	9.4	45.5	16.7	3.2
6748	Paimogo 1	176/1823	Femur	L	1.2	-19.6	8.9	35.5	12.7	3.3
6749	Paimogo 1	11685	Femur	L	2.4	-19.3	8.3	41.1	14.5	3.3
6750	Paimogo 1	140/5382	Femur	L	1.3	-20.1	7.3	41.0	14.2	3.4
6751	Paimogo 1	546/96	Femur	L	0.5	-19.4	9.3	40.4	13.8	3.4
6752	Paimogo 1	11718	Femur	L	1.5	-19.6	7.7	32.8	11.7	3.3
6753	Paimogo 1	1624/12972	Femur	L	0.3	-19.6	8.9	27.2	8.8	3.6
6754	Paimogo 1	1628/11764	Femur	L	2.7	-19.7	8.6	42.9	15.1	3.3
6755	Paimogo 1	175 + 4326	Femur	L	0.9	-19.2	7.9	37.5	13.2	3.3
6756	Paimogo 1	71/5822	Femur	L	1.6	-19.5	7.4	43.6	15.8	3.2
6757	Paimogo 1	1808/12012	Femur	L	5.1	-19.9	7.3	44.0	15.8	3.3
6758	Paimogo 1	1305/11694	Femur	L	2.9	-19.8	7.4	42.6	15.4	3.2
6702	Paimogo 1	60/1791	Femur	L	0.3					
6729	Paimogo 1	44	Femur	L	0.4					
6715-I	Paimogo 1	114	Femur	L	0.3	-24.5	9.3	4.0	1.2	3.8
6727	Paimogo 1	2010/1827	Femur	L	0.2	-21.1	7.2	10.3	3.1	3.9
6744	Paimogo 1	11702	Femur	L	0.4					
6533*	Pedra dos Mouros	172.041.001	Mandible		0.2	-20.1	7.7	34.5	11.3	3.6
6532	Pedra dos Mouros	172.041.002	Mandible		0.1					

6038	Pedras Grandes	PG(04)H628	Femur	R	1.0	-19.9	8.4	37.9	13.7	3.2
6039	Pedras Grandes	638.0007.1-2	Femur	R	0.9	-19.5	8.4	41.7	14.8	3.3
6040	Pedras Grandes	638.0005.1	Femur	R	1.6	-19.1	9.1	42.4	15.2	3.3
6041	Pedras Grandes	PG(04)I4-16B	Femur	R	0.5	-19.2	8.6	33.4	12.1	3.2
6042	Pedras Grandes	638.0005.2	Femur	R	1.6	-19.6	8.6	42.7	14.9	3.3
4357	Perdigões - Tomb 1	MLH 003 A6#40U97	Mandible		0.3	-19.3	11.0	38.7	13.6	3.3
4359	Perdigões - Tomb 1	MLH 005 D6#3U96	Mandible		0.5	-19.3	8.5	38.6	13.7	3.3
4355	Perdigões - Tomb 1	MLH 001 D4#85U173	Mandible		0.0					
4356	Perdigões - Tomb 1	MLH 002 D6#46U97	Mandible		0.0					
4358	Perdigões - Tomb 1	MLH 004 #1716U310	Mandible		0.1					
4360	Perdigões - Tomb 1	MLH 006 #1807	Mandible		0.0					
4361	Perdigões - Tomb 1	MLH 007 E5#50U173	Mandible		0.2					
4362	Perdigões - Tomb 1	MLH 008 E5#33U97	Mandible		0.0					
6861	Senhora das Lapas	R-26-19	Humerus	R	2.5	-19.9	8.2	44.0	15.7	3.3
6863	Senhora das Lapas	R25-S/C-86	Humerus	R	1.7	-19.9	7.9	38.9	14.1	3.2
6864	Senhora das Lapas	P25-25	Humerus	R	3.6	-19.3	8.7	42.4	15.5	3.2
6862-I	Senhora das Lapas	Limp Esc S/C 2	Humerus	R	0.0					
6526	Sobreira 1	176.30.011	Femur	R	1.3	-19.9	9.3	40.5	14.3	3.3
6527	Sobreira 1	176.36.004	Femur	R	1.9	-19.2	9.0	43.5	15.8	3.2
6528	Sobreira 1	176.30.015	Femur	R	1.7	-19.6	9.4	44.4	15.6	3.3
6768*	Trigache 2	179.033.029	Occipital		1.7	-19.3	8.9	45.8	16.4	3.3
6769*	Trigache 2	179.033.006	Occipital		2.1	-20.0	7.8	40.9	14.6	3.3
6770*	Trigache 2	179.033.008	Occipital		1.7	-19.9	8.6	43.6	15.5	3.3
6801	Verdelha dos Ruivos	177.56.001	Humerus	R	1.3	-19.6	8.8	44.0	15.6	3.3
6802	Verdelha dos Ruivos	177.64.043	Humerus	R	4.1	-19.9	8.1	45.8	16.4	3.3

Table S3Mean $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values for each site.

Site	Accepted (n=)	Mean $\delta^{13}\text{C}$ ‰	$\pm 1 \sigma$	Mean $\delta^{15}\text{N}$ ‰	$\pm 1 \sigma$
Agualva	3	-19.5	0.1	8.1	0.8
Aldeinha	0				
Azinhal 1	0				
Cabeceira 4	1	-19.3		10.3	
Cadaval	7	-19.9	0.2	9.2	0.4
Carcavelos	41	-19.6	0.2	8.1	0.4
Carrascal	4	-19.2	0.1	9.2	0.4
Casal do Penedo	6	-19.6	0.5	8.1	0.6
Cerca do Zambujal	33	-19.0	0.8	9.6	0.8
Estria	6	-20.0	0.3	8.2	1.2
Folha das Barradas	19	-19.8	0.3	8.2	0.6
Furninha	0				
Lagar	12	-19.2	0.4	9.7	0.6
Lobeira de Baixo 2	0				
Monte Abraão	12	-19.8	0.3	7.9	0.3
Monte do Castelo	4	-19.3	0.1	7.6	0.7
Ossos	15	-19.7	0.3	8.6	0.5
P. Salemas	2	-19.7	0.1	8.8	0.6
Paimogo 1	56	-19.6	0.3	8.3	0.6
Pedra dos Mouros	1	-20.1		7.7	
Pedras Grandes	5	-19.4	0.3	8.6	0.3
Perdigões - Tomb 1	2	-19.3	0.1	9.8	1.8
Senhora das Lapas	3	-19.7	0.3	8.3	0.4
Sobreira 1	3	-19.6	0.4	9.2	0.2
Trigache 2	3	-19.7	0.4	8.4	0.6
Verdelha dos Ruivos	2	-19.7	0.2	8.5	0.5
Total	240	-19.6	0.6	8.6	0.9

Table S4

Corresponding radiocarbon information for select individuals listed in Table 2 (Boaventura 2009, 2011).

Site	S-EVA	14C Lab No.	Catalog No.	14C BP	Median 14C cal BC
Agualva	6048	Beta-239754	205.4a.022	4110 ± 40	2689 ± 93
Cabeceira 4	4383	Beta-196094	MLH 029MNA 1132	4780 ± 40	3568 ± 60
Carcavelos	4367	Beta-225170	MLH 013 HC06D6SI	4130 ± 40	2724 ± 85
Carrascal	6531	Beta-228577	0538.0004.8	4770 ± 40	3566 ± 65
Casal do Penedo	6034	Beta-229585	177.0062.82	4280 ± 40	2901 ± 52
Casal do Penedo	6030	Beta-234134	177.0062.83	4280 ± 40	2901 ± 52
Folha das Barradas	6542	Beta-234135	293.58.001	4170 ± 40	2761 ± 73
Monte Abrãao	6513	Beta-228579	178.212.26	4040 ± 40	2563 ± 85
Pedra dos Mouros	6533	Beta-228582	172.041.001	4210 ± 50	2787 ± 69
Pedras Grandes	6038	Beta-205946	PG(04)H628	4590 ± 40	3360 ± 118
Pedras Grandes	6042	Beta-234136	638.0005.2	4530 ± 40	3212 ± 84
Sobreira 1	6527	Beta-233283	176.36.004	4770 ± 40	3566 ± 65

Table S5Neolithic and Mesolithic $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ and radiocarbon data sourced from previously published work. Italics denote Mesolithic sites.

Site	Lab Nos.	Catalog No.	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$	% col	%C	%N	C:N	^{14}C BP	Median ^{14}C cal BC	2σ cal BCE	Source
Alapraia 4	Beta-178461	53	-18.7						4110 ± 40	2689 ± 93	2871 - 2505	Gonçalves 2005
Alapraia 4	Beta-178462	55	-19.4						3260 ± 40	1540 ± 50	1624 - 1445	Gonçalves 2005
Algar do Barrão	ICEN-740	surface	-19.6						4460 ± 70	3160 ± 123	3351 - 2928	Carvalho 2007
Algar do Barrão	Wk-32471	unknown	-19.1	9.9	1.7				4907 ± 39	3685 ± 38	3767 - 3640	Carvalho and Petchey 2013
Algar do Barrão	Wk-32472	unknown	-19.8	8.6	1.1				4553 ± 37	3215 ± 94	3484 - 3102	Carvalho and Petchey 2013
Algar do Barrão	Wk-32473	unknown	-19.2	9.4	1.4				4929 ± 39	3702 ± 44	3782 - 3646	Carvalho and Petchey 2013
Algar do Barrão	Wk-32474	unknown	-19.5	8.4	2.8				4551 ± 36	3213 ± 92	3370 - 3102	Carvalho and Petchey 2013
Algar do Bom Santo	Wk-27991	1	-19.7	8.6	4.1	44.2	15.7	3.3	4671 ± 30	3449 ± 55	3620 - 3367	Carvalho and Petchey 2013
Algar do Bom Santo	Wk-27983/OxA-5512	2	-19.5	8.5	0.6	44.0	15.6	3.3	4630 ± 60	3438 ± 112	3631 - 3116	Carvalho and Petchey 2013; Duarte 1998
Algar do Bom Santo	Wk-27984	3	-19.1	11.0	1.1	45.8	16.6	3.2	4949 ± 32	3724 ± 42	3786 - 3656	Carvalho and Petchey 2013
Algar do Bom Santo	Wk-27985	4	-18.9	11.5	1.3	43.8	15.7	3.3	4887 ± 30	3671 ± 24	3711 - 3637	Carvalho and Petchey 2013
Algar do Bom Santo	Wk-27986	5	-19.0	10.1	1.4	42.5	15.6	3.2	4929 ± 30	3697 ± 35	3771 - 3651	Carvalho and Petchey 2013
Algar do Bom Santo	Wk-27987	6	-19.5	9.7	2.4	42.6	16.0	3.1	4744 ± 30	3566 ± 76	3636 - 3381	Carvalho and Petchey 2013
Algar do Bom Santo	Wk-27989	8	-19.5	10.3	0.3	43.6	15.4	3.3	4732 ± 31	3534 ± 84	3635 - 3377	Carvalho and Petchey 2013
Algar do Bom Santo	Wk-27990	9	-19.2	9.6	0.8	42.3	15.6	3.2	4769 ± 30	3570 ± 52	3641 - 3384	Carvalho and Petchey 2013
Algar do Bom Santo	Wk-27992	10	-19.0	8.5	2.8	44.4	15.7	3.3	4810 ± 35	3570 ± 45	3656 - 3521	Carvalho and Petchey 2013
Algar do Bom Santo	Wk-27993	11	-18.8	9.4	1.2	43.7	15.5	3.3	4745 ± 30	3567 ± 75	3636 - 3381	Carvalho and Petchey 2013
Algar do Bom Santo	Wk-27994	12	-19.9	10.1	2.0	44.2	15.8	3.3	4756 ± 30	3571 ± 65	3638 - 3383	Carvalho and Petchey 2013
Algar do Bom Santo	Wk-27995	13	-19.6	10.6	1.8	42.9	15.7	3.2	4739 ± 35	3551 ± 81	3637 - 3377	Carvalho and Petchey 2013
Algar do Bom Santo	Wk-27996	14	-19.4	11.8	1.6	45.1	15.9	3.3	4993 ± 30	3766 ± 63	3937 - 3697	Carvalho and Petchey 2013
Algar do Bom Santo	Wk-25161	“hunter”	-19.2	10.2	1.2	42.9	15.8	3.2	4960 ± 30	3735 ± 42	3793 - 3659	Carvalho and Petchey 2013
Algar do Bom Santo	Beta-120048	Unknown	-19.6						4780 ± 50	3565 ± 71	3655 - 3378	Duarte 1998
Algar do Bom Santo	ICEN-1181	Unknown	-21.8						4030 ± 280	2571 ± 386	3364 - 1782	Duarte 1998
Algar do Picoto	Wk-31682 / ICEN-736	1	-19.5	8.5	0.8	44.4	15.7	3.3	6000 ± 150	4910 ± 188	5293 - 4550	Carvalho and Petchey 2013; Zilhão and Carvalho 1996
Algar do Picoto	Wk-17216	2	-19.5	8.5	0.4	43.1	14.8	3.4	5904 ± 36	4773 ± 42	4881 - 4702	Carvalho and Petchey 2013
Alqueves	ICEN-64		-20.0						4490 ± 60	3196 ± 107	3365 - 2943	Silva 2002
Ansião	Sac-1559		-20.2						4640 ± 90	3425 ± 146	3636 - 3104	Silva 2002
Arruda	Beta-229584	MNA2004.09.13	-19.7						4410 ± 40	3039 ± 105	3325 - 2913	Boaventura 2009
Bolores	Beta-235488	Unknown	-19.6						4050 ± 40	2579 ± 93	2850 - 2472	Lillios et al. 2008
Bolores	Beta-235487	Unknown	-20.4						3530 ± 40	1851 ± 61	1971 - 1745	Lillios et al. 2008
Cabeceira 4	Wk-17084	Unknown	-19.2						4759 ± 41	2173 ± 72	2292 - 2036	Rocha and Duarte 2009
Cabeço da Arruda 1	Beta-123363	CA.I.5	-19.9						4370 ± 70	3016 ± 121	3331 - 2885	Silva 2002
Cabeço da Arruda 1	Beta-132975	CA.I.6	-22.9						4240 ± 50	2812 ± 81	3002 - 2635	Silva 2002
Cabeço da Arruda 2	Sac-1613	Unknown	-19.4						4460 ± 45	3173 ± 109	3347 - 2942	Silva 2002
Cadaval	ICEN-803	Unknown	-19.6						5390 ± 50	4251 ± 79	4341 - 4057	Cruz 1997
Cadaval	ICEN-464	Unknown	-19.2						5160 ± 50	3968 ± 92	4225 - 3793	Cruz 1997
Cadaval	Beta-189995	Unknown	-19.8						4640 ± 40	3454 ± 61	3620 - 3350	Figueiredo 2006
Caldeirão	TO-350	Unknown	-20.2	8.7					5810 ± 70	4661 ± 84	4830 - 4497	Lubell et al. 1994

Caldeirão	TO-349	Unknown	-19.6	8.8						4940 ± 70	3734 ± 86	3944 - 3635	Lubell et al. 1994
Canaleja 1	Beta-202343	Unknown	-18.8							5100 ± 50	3874 ± 62	3990 - 3775	Cerrillo and Gonzalez 2007
Carrascal	Beta-225167	CR538.04.06	-20.1							4640 ± 40	3454 ± 61	3620 - 3350	Boaventura 2009
Casa da Moura	TO-953	CM98/154	-19.6	8.5						5990 ± 60	4882 ± 78	5020 - 4726	Lubell et al. 1994
Casa da Moura	TO-2092	Unknown	-19.3	8.5						4850 ± 100	3639 ± 126	3936 - 3372	Lubell et al. 1994
Casa da Moura	TO-2093	Unknown	-19.2	9.5						5070 ± 70	3861 ± 79	4032 - 3702	Lubell et al. 1994
Casa da Moura	TO-2094	Unknown	-19.6	9.0						5020 ± 70	3819 ± 83	3961 - 3662	Lubell et al. 1994
Casa da Moura	Wk-28003	1	-20.2	8.4	4.5	45.4	15.8	3.4		4179 ± 30	2773 ± 64	2886 - 2666	Carvalho and Petchey 2013
Casa da Moura	Wk-28004	2	-19.9	8.6	3.4	43.3	15.4	3.3		4786 ± 30	3568 ± 42	3643 - 3521	Carvalho and Petchey 2013
Casa da Moura	Wk-28006	3	-20.0	7.5	3.5	43.6	15.5	3.3		4775 ± 30	3569 ± 48	3642 - 3387	Carvalho and Petchey 2013
Casa da Moura	Wk-28007	4	-19.2	8.3	8.8	45.3	16.0	3.3		4167 ± 30	2763 ± 67	2881 - 2634	Carvalho and Petchey 2013
Casa da Moura	Wk-28008	5	-18.9	11.5	5.8	44.6	16.2	3.2		4932 ± 30	3700 ± 36	3773 - 3652	Carvalho and Petchey 2013
Casa da Moura	Wk-28009	6	-19.3	9.7	5.0	44.1	16.0	3.2		4154 ± 30	2749 ± 71	2877 - 2631	Carvalho and Petchey 2013
Casa da Moura	Wk-28010	7	-19.4	10.4	4.1	45.1	15.7	3.3		4765 ± 30	3571 ± 56	3640 - 3384	Carvalho and Petchey 2013
Casa da Moura	Wk-28005	8	-20.0	7.5	6.8	44.2	15.5	3.3		4736 ± 30	3554 ± 82	3635 - 3378	Carvalho and Petchey 2013
Casainhos	Beta-225168	Cam05, CSI98	-20.2							4150 ± 40	2743 ± 78	2880 - 2620	Boaventura 2009
Castelo Belinho	Wk-28634	1	-18.9	9.2	1.5	45.4	15.2	3.5		5267 ± 34	4103 ± 71	4231 - 3986	Carvalho and Petchey 2013
Castelo Belinho	Wk-28635	38	-19.2	9.6	2.0	44.6	15.9	3.3		5441 ± 34	4293 ± 33	4348 - 4243	Carvalho and Petchey 2013
Castelo Belinho	Wk-28636	43	-18.9	10.4	1.9	44.9	16.0	3.3		5529 ± 35	4379 ± 37	4450 - 4334	Carvalho and Petchey 2013
Castelo Belinho	Wk-27999	52	-19.3	10.3	0.8	41.0	14.3	3.3		5444 ± 30	4294 ± 29	4349 - 4251	Carvalho and Petchey 2013
Castelo Belinho	Wk-28000	53	-19.1	11.0	4.7	46.2	15.7	3.4		5662 ± 32	4493 ± 38	4580 - 4375	Carvalho and Petchey 2013
Castelo Belinho	Wk-28637	58	-19.4	10.1	2.2	44.5	15.9	3.3		5485 ± 35	4339 ± 40	4445 - 4259	Carvalho and Petchey 2013
Castelo Belinho	Wk-28001	59a	-19.2	9.5	0.8	43.1	15.4	3.3		5436 ± 32	4292 ± 31	4346 - 4241	Carvalho and Petchey 2013
Castelo Belinho	Wk-28002	59b	-18.0	10.9	2.9	45.7	15.5	3.4		5536 ± 32	4386 ± 35	4450 - 4339	Carvalho and Petchey 2013
Castelo Belinho	Wk-27998 / Beta-199913	4	-18.6	10.7	1.3	44.1	15.3	3.3		5720 ± 40	4564 ± 57	4684 - 4464	Carvalho and Petchey 2013; Gomes 2008
Castelo Belinho	Beta-199912	2	-18.8							5500 ± 40	4350 ± 46	4450 - 4264	Gomes 2008
Cerca do Zambjua	TO-2090	Unknown	-19.7	7.6						4420 ± 70	3086 ± 128	3339 - 2909	Lubell et al. 1994
Correio-Mor	Wk-25162	1	-19.6	11.1	8.9	44.5	15.5	3.4		4257 ± 30	2891 ± 40	2919 - 2762	Carvalho and Petchey 2013
Correio-Mor	Wk-25163	2	-20.1	8.7	3.7	43.1	15.3	3.3		4467 ± 30	3219 ± 94	3338 - 3025	Carvalho and Petchey 2013
Correio-Mor	Sac-1717	Unknown	-21.1							6330 ± 60	5314 ± 75	5471 - 5211	Carvalho 2007
Costa do Pereiro	Wk-13682	1	-19.6	8.6	2.8	38.4	13.9	3.2		5133 ± 45	3933 ± 68	4040 - 3798	Carvalho and Petchey 2013
Cova da Moura	Sac-1788	CM38	-20.6							4380 ± 50	3004 ± 97	3322 - 2895	Boaventura 2009
Cova das Lapas	ICEN-463	Unknown	-20.2							4559 ± 60	3244 ± 118	3503 - 3031	Gonçalves 1989
Eira Pedrinha	Beta-134363	Unknown	-20.3	8.48						4480 ± 60	3187 ± 110	3361 - 2938	Umbelino et al. 2007
Gruta do Escoural	ICEN-861	983.387.4	-20.0							4680 ± 80	3466 ± 111	3646 - 3126	Araújo and Lejeune 1995
Estanque (AR)	Wk-17091	Unknown	-20.1							4182 ± 39	2770 ± 70	2891 - 2632	Rocha and Duarte 2009
Estremoz 7	Wk-17089	Unknown	-19.7							3758 ± 36	2172 ± 66	2288 - 2040	Rocha and Duarte 2009
Estria	Beta-208950	MG719.39	-20.0							4180 ± 50	2764 ± 78	2896 - 2621	Boaventura 2009
Estria	Beta-228578	MG719.41.04	-20.0							4110 ± 40	2689 ± 93	2871 - 2505	Boaventura 2009
Feteira 1 (C1)	TO-352	FET227	-20.4	8.3						4110 ± 60	2693 ± 103	2878 - 2496	Lubell et al. 1994
Feteira 1 (C3)	TO-353	FET1938	-19.1	8.9						4570 ± 70	3278 ± 134	3519 - 3030	Lubell et al. 1994
Fontainhas	TO-358	Unknown	-19.7	9.7						4170 ± 60	2752 ± 87	2894 - 2581	Lubell et al. 1994
Goldra	Wk-31386	5	-19.0	9.8	1.0	47.2	17.1	3.2		5336 ± 55	4167 ± 81	4328 - 4006	Carvalho and Petchey 2013
Goldra	Wk-3187	6	-19.8	6.7	1.9	45.4	16.3	3.2		5323 ± 48	4153 ± 74	4322 - 4001	Carvalho and Petchey 2013
Goldra	Wk-31388	7	-19.6	8.4	2.2	45.7	16.5	3.2		5642 ± 34	4475 ± 44	4545 - 4370	Carvalho and Petchey 2013
Gruta das Salemas	Beta-233282	MG270.538.01	-19.1							4800 ± 40	3570 ± 52	3658 - 3384	Boaventura 2009
Horta	Beta-194313	mandbile	-19.7							4480 ± 40	3210 ± 93	3349 - 3026	Oliveira 2006

Lagar	TO-2091	Unknown	-14.9	13.1						5340 ± 70	3741 ± 106	3950 - 3538	Lubell et al. 1994
Lapa da Bugalheira	ICEN-739	Unknown	-19.4							5090 ± 60	3871 ± 70	4032 - 3713	Zilhão and Carvalho 1996
Lapa do Fumo	ICEN-240	Unknown	-19.1							4420 ± 45	3062 ± 117	3331 - 2916	Soares and Cabral 1993
Lapa do Namorados	ICEN-735	Unknown	-20.5							5460 ± 110	4294 ± 128	4520 - 4005	Zilhão and Carvalho 1996
Lugar do Canto	Beta-276510	32	-20.5	8.8						4720 ± 40	3511 ± 83	3635 - 3374	Carvalho and Petchey 2013
Lugar do Canto	Wk-30209	36	-19.6	9.8	0.5	43.4	15.0	3.4		4849 ± 29	3646 ± 42	3701 - 3536	Carvalho and Petchey 2013
Lugar do Canto	Wk-30208	35	-19.9	9.6	1.2	45.1	16.2	3.3		4742 ± 34	3559 ± 79	3636 - 3379	Carvalho and Petchey 2013
Lugar do Canto	Wk-30211	3	-19.7	9.1	0.2	43.5	15.0	3.4		4733 ± 29	3540 ± 84	3635 - 3378	Carvalho and Petchey 2013
Lugar do Canto	Beta-276509	6	-20.0	8.2						4770 ± 40	3566 ± 65	3644 - 3381	Carvalho and Petchey 2013
Lugar do Canto	Wk-30212	7	-20.3	9.4	1.5	45.2	15.5	3.4		4772 ± 30	3570 ± 50	3641 - 3385	Carvalho and Petchey 2013
Lugar do Canto	Wk-30210	15	-19.8	9.3	0.6	44.5	15.5	3.4		4819 ± 32	3573 ± 45	3658 - 3524	Carvalho and Petchey 2013
Lugar do Canto	Sac-1715	Unknown	-20.3							5120 ± 80	3904 ± 102	4223 - 3707	Carvalho 2007
Monte Abraão	Beta-228580	Unknown	-19.9							4180 ± 40	2768 ± 71	2891 - 2631	Boaventura 2009
Monte Canelas 1	OxA-5514	Unknown	-19.1							4370 ± 60	3005 ± 108	3326 - 2888	Silva 1996
Monte Canelas 1	OxA-5515	Unknown	-19.7							4420 ± 60	3077 ± 124	3336 - 2911	Silva 1996
Monte do Castelo	Wk-25165	1	-19.1	8.4	3.2	42.7	14.9	3.3		4435 ± 30	3079 ± 109	3329 - 2929	Carvalho and Petchey 2013
Monte do Castelo	Wk-25166	2	-20.1	7.8	2.0	44.6	15.5	3.4		4481 ± 30	3223 ± 84	3341 - 3031	Carvalho and Petchey 2013
Monte do Castelo	ICEN-738	unknown	-19.8							4630 ± 45	3449 ± 79	3625 - 3138	Cardoso et al. 1991
Ossos	Beta-189996	GRO8VI59L13	-19.6							4330 ± 40	2955 ± 50	3084 - 2887	Tomé 2006
Pedreira das Salemas	ICEN-351	Unknown	-18.8							6020 ± 120	4931 ± 156	5290 - 4617	Cardoso et al. 1996
Paimogo 1	Sac-1556	PM/1168	-20.2							4250 ± 90	2840 ± 143	3261 - 2574	Boaventura 2009; Sliva 2002
Paimogo 1	Sac-1782	Unknown	-20.0							4100 ± 60	2679 ± 106	2876 - 2491	Silva 2002
Pedra Escorregadia	ICEN-844	Unknown	-19.4							4060 ± 70	2621 ± 120	2872 - 2467	Gomes et al. 1994
Pedras da Granja	Beta-225171	MASMO/PG-V2	-20.2							4050 ± 40	2579 ± 93	2850 - 2472	Boaventura 2009
Penedo do Lexim	Beta-186855	UE19	-19.6							3850 ± 40	2323 ± 76	2461 - 2204	Miranda 2006
Perda Escorregadia	ICEN-1028	Unknown	-19.7							3800 ± 100	2245 ± 145	2547 - 1954	Gomes et al. 1994
Poço Velho	Beta-244394	IGM-1913	-19.1							4500 ± 40	3214 ± 84	3356 - 3033	Gonçalves 2008
Poço Velho	Beta-245138	IGM-2703	-19.1							4500 ± 40	3214 ± 84	3356 - 3033	Gonçalves 2008
Poço Velho	OxA-5533	IGM-S/N	-19.4							4245 ± 55	2857 ± 81	3009 - 2637	Gonçalves 2008
Poço Velho	Beta-244393	CCG-PV.781	-19.1							4160 ± 50	2749 ± 82	2886 - 2587	Gonçalves 2008
Poço Velho	Beta-178464	CCG-778	-19.3							4150 ± 40	2743 ± 78	2880 - 2620	Gonçalves 2008
Poço Velho	OxA-5332	IGM-S/N	-19.6							4090 ± 55	2662 ± 107	2871 - 2490	Gonçalves 2008
Poço Velho	Beta-244396	IGM-2834	-19.1							4090 ± 40	2654 ± 100	2866 - 2493	Gonçalves 2008
Poço Velho	Beta-244395	IGM-2136	-18.5							4030 ± 40	2548 ± 75	2835 - 2467	Gonçalves 2008
Poço Velho	Beta-245137	IGM-2828	-20.2							4030 ± 40	2548 ± 75	2835 - 2467	Gonçalves 2008
Poço Velho	Beta-244392	CCG-PV-779	-18.8							3970 ± 40	2492 ± 65	2579 - 2346	Gonçalves 2008
Poço Velho	Beta-178463	CCG-750	-19.7							3690 ± 40	2081 ± 61	2199 - 1960	Gonçalves 2008
Poço Velho	Beta-244397	IMG-2838	-19.8							3920 ± 40	2405 ± 64	2561 - 2290	Gonçalves 2008
Ponte da Lage	Wk-25164	1	-19.3	8.9		44.9	16.3	3.2		3846 ± 30	2313 ± 70	2457 - 2205	Carvalho and Petchey 2013
Porto Covo	Beta-245134	IGM-GPC-A3	-18.9	9.3						4870 ± 40	3662 ± 44	3761 - 3534	Gonçalves 2008
Porto Covo	Beta-245136	IGM-GPC-A-5	-18.9	10.2						4790 ± 40	3569 ± 55	3653 - 3384	Gonçalves 2008
Porto Covo	Beta-244819	Unknown	-18.0	9.1						4660 ± 40	3453 ± 61	3624 - 3360	Gonçalves 2008
Porto Covo	Beta-245133	IGM-GPC-A-1	-18.8	8.8						4650 ± 40	3454 ± 59	3621 - 3356	Gonçalves 2008
Porto Covo	Beta-244818	IGM-GPC-A-2	-19.5	7.8						4580 ± 40	3344 ± 118	3500 - 3104	Gonçalves 2008
Porto Covo	Beta-245135	IGM-GPC-A-4	-20.0	8.3						4100 ± 40	2671 ± 97	2871 - 2497	Gonçalves 2008
Rego da Murta 1	Beta-190001	Unknown	-20.0							4520 ± 40	3212 ± 82	3361 - 3097	Figueiredo 2006
Rego da Murta 1	Beta-189998	RMIG72316	-19.9							4490 ± 60	3196 ± 107	3365 - 2943	Figueiredo 2006
Rego da Murta 1	Beta-190002	RMIG7219	-19.5							4370 ± 40	2985 ± 67	3094 - 2903	Figueiredo 2006

Rego da Murta 1	Beta-190000	RMIF4223	-20.7							3640 ± 40	2007 ± 63	2136 - 1907	Figueiredo 2006
Rego da Murta 1	Beta-189999	Unknown	-20.3							3510 ± 40	1830 ± 56	1941 - 1700	Figueiredo 2006
Rego da Murta 2	Beta-190007	RMIB321	-19.8							4190 ± 40	2775 ± 70	2895 - 2635	Figueiredo 2006
Rego da Murta 2	Beta-190008	RMIA222	-19.8							4060 ± 50	2607 ± 106	2861 - 2472	Figueiredo 2006
Rocha Forte	TO-357	Unknown	-19.7	8.9						4480 ± 60	3187 ± 110	3361 - 2938	Lubell et al. 1994
S. Pedro do Estoril 1	Beta-188390	CCG-1119	-19.0							4720 ± 40	3511 ± 83	3635 - 3374	Gonçalves 2005
S. Pedro do Estoril 1	Beta-178467	CCG-1890	-19.4							3830 ± 40	2285 ± 78	2459 - 2148	Gonçalves 2005, 2008
S. Pedro do Estoril 1	Beta-178468	CCG-1892	-19.6							3790 ± 40	2225 ± 73	2401 - 2046	Gonçalves 2005
S. Pedro do Estoril 2	Beta-188389	CCG-1278	-19.8							4090 ± 40	2654 ± 100	2866 - 2493	Gonçalves 2005
S. Pedro do Estoril 2	Beta-178465	CCG-869	-19.8							4090 ± 40	2654 ± 100	2866 - 2493	Gonçalves 2005
S. Pedro do Estoril 2	Beta-178466	CCG-1279	-19.6							3850 ± 40	2323 ± 76	2461 - 2204	Gonçalves 2005
Santa Margarida 3	Beta-176897	STAM3CamCm8	-19.7							4290 ± 40	2907 ± 49	3022 - 2779	Gonçalves 2003
Santa Margarida 3	Beta-166422	STAM3CamJ8-667	-20.0							4270 ± 40	2895 ± 57	3011 - 2705	Gonçalves 2003
Santa Margarida 3	Beta-166416	Cm-1. J8-30	-19.8							4270 ± 40	2895 ± 57	3011 - 2705	Gonçalves 2003
Santa Margarida 3	Beta-1768896	STAM3CamCm5	-20.2							4170 ± 40	2761 ± 73	2886 - 2629	Gonçalves 2003
Santa Margarida 3	Beta166423	STAM3CamCm6	-20.5							4100 ± 40	2671 ± 97	2871 - 2497	Gonçalves 2003
Santa Margarida 3	Beta-166418	STAM-3,I8-105	-19.0							3780 ± 40	2206 ± 72	2342 - 2042	Gonçalves 2003
Santa Margarida 3	Beta-166417	STAM-3, J8-71	-19.2							3770 ± 40	2190 ± 71	2335 - 2037	Gonçalves 2003
Santa Margarida 3	Beta-166420	STAM-3, I8-103	-20.5							3720 ± 50	2115 ± 77	2285 - 1966	Gonçalves 2003
Santa Margarida 3	Beta-166421	STAM-3, J8-341	-20.6							3730 ± 40	2130 ± 66	2281 - 1985	Gonçalves 2003
Serra da Roupá	Sac-1611	Unknown	-19.6							4560 ± 110	3264 ± 168	3628 - 2929	Silva 2005
Sobreira de Cima 1	Wk-36003	2	-19.5	9.4			3.3			4601 ± 26	3372 ± 74	3500 - 3197	Carvalho 2013
Sobreira de Cima 1	Sac-2260 / Wk-36004	3	-19.1	9.4			3.4			4530 ± 50	3215 ± 93	3483 - 3033	Valera et al. 2008; Carvalho 2013
Sobreira de Cima 1	Wk-36005	4	-19.5	8.8			3.4			4566 ± 30	3306 ± 101	3492 - 3109	Carvalho 2013
Sobreira de Cima 1	Sac-2261 / Wk-36002	1	-19.6	9.0			3.3			4500 ± 50	3209 ± 94	3362 - 3027	Valera et al. 2008; Carvalho 2013
Sobreira de Cima 4	Sac-32256	Unknown	-19.3							4520 ± 35	3210 ± 79	3359 - 3098	Valera et al. 2008; Carvalho 2013
Trigache 2	Beta-239755	MG179.33.79	-19.3							4340 ± 40	2964 ± 52	3086 - 2890	Boaventura 2009
Trigache 4	Beta-228583	MG179.24.01	-19.9							4450 ± 40	3153 ± 112	3339 - 2933	Boaventura 2009
<i>Arapouco</i>	S-EVA 7751.2/SAC-1560	2A	-17.0	12.0	8.7	36.8	12.4	3.5		7200 ± 130	5860 ± 133	6181 - 5613	Guiry et al. 2015; Cunha et al. 2002
<i>Cabeço da Amoreira</i>	TO-10225	CAM-01-01 (139)	-20.1	8.2						6550 ± 70	5513 ± 65	5623 - 5375	Roksandic 2006
<i>Cabeço da Amoreira</i>	Beta-127450	7	-16.5	11.9	3.2					6850 ± 40	5524 ± 66	5635 - 5375	Umbelino et al. 2007
<i>Cabeço da Amoreira</i>	TO-11819-R	CAM-00-01	-16.3							7300 ± 80	5896 ± 98	6076 - 5698	Roksandic 2006
<i>Cabeço da Arruda</i>	TO-354	Ossada A	-19.0	12.2						6970 ± 60	5854 ± 68	5983 - 5736	Lubell et al. 1994
<i>Cabeço da Arruda</i>	TO-355	Ossada D	-18.9	10.3						6780 ± 80	5684 ± 70	5841 - 5547	Lubell et al. 1994
<i>Cabeço da Arruda</i>	TO-356	Ossada N	-15.3	12.5						6360 ± 80	4895 ± 131	5201 - 4675	Lubell et al. 1994
<i>Cabeço da Arruda</i>	TO-360	Ossada III	-17.7	11.2						6990 ± 110	5719 ± 115	5978 - 5510	Lubell et al. 1994
<i>Cabeço da Arruda</i>	TO-359	Ossada 42	-17.2	11.8						6960 ± 70	5653 ± 83	5814 - 5486	Lubell et al. 1994
<i>Cabeço da Arruda</i>	TO-10217	CA-00-01 upper	-18.1	10.5						6620 ± 60	5561 ± 46	5637 - 5479	Roksandic 2006
<i>Cabeço da Arruda</i>	TO-10216	CA-00-02	-17.9	10.6						7040 ± 60	5776 ± 84	5976 - 5628	Roksandic 2006
<i>Cabeço da Arruda</i>	TO-10218	CA-00-01 lower	-17.1							6630 ± 60	5377 ± 83	5528 - 5211	Roksandic 2006
<i>Cabeço da Arruda</i>	Beta-127451	6 (Porto)	-19.0							7550 ± 100	6406 ± 102	6603 - 6222	Cunha et al. 2003

São Paulo	Unknown	Unknown	-18.1	10.0				Umbelino et al. 2007
<i>Arapouco</i>	S-EVA 6884.6	6	-17.2	12.2	39.1	13.6	3.4	Guiry et al. 2015
<i>Arapouco</i>	S-EVA 6885.6	3	-17.3	12.5	42.0	14.8	3.3	Guiry et al. 2015
<i>Arapouco</i>	S-EVA 7739.2	9A	-17.4	12.8	37.1	12.1	3.6	Guiry et al. 2015
<i>Arapouco</i>	S-EVA 7741.3	16A	-17.6	12.1	41.6	14.7	3.3	Guiry et al. 2015
<i>Arapouco</i>	S-EVA 7742.2	13A2	-16.6	13.0	38.0	13.1	3.4	Guiry et al. 2015
<i>Arapouco</i>	S-EVA 7745.3	7A	-17.2	11.7	35.8	12.6	3.3	Guiry et al. 2015
<i>Arapouco</i>	S-EVA 7746.3	11A	-17.3	12.0	40.1	14.2	3.3	Guiry et al. 2015
<i>Arapouco</i>	S-EVA 7747.2	6A	-16.4	12.7	41.1	13.9	3.5	Guiry et al. 2015
<i>Arapouco</i>	S-EVA 7748.3	8	-16.8	11.9	47.3	16.1	3.4	Guiry et al. 2015
<i>Arapouco</i>	S-EVA 7749.3	4A	-17.9	11.6	39.0	13.1	3.5	Guiry et al. 2015
<i>Arapouco</i>	S-EVA 7750.2	14A	-17.3	11.8	41.8	14.1	3.5	Guiry et al. 2015
<i>Cabeço da Amoreira</i>	Unknown	6	-14.8	12.5				Umbelino et al. 2007
<i>Cabeço da Amoreira</i>	Unknown	8	-15.6	12.0				Umbelino et al. 2007
<i>Cabeço da Amoreira</i>	Unknown	4	-15.7	12.7				Umbelino et al. 2007
<i>Cabeço da Arruda</i>	Unknown	1	-15.7	12.0				Umbelino et al. 2007
<i>Cabeço da Arruda</i>	Unknown	10	-17.2	11.2				Umbelino et al. 2007
<i>Cabeço das Amoreiras</i>	S-EVA 6886.2	7	-18.8	9.4	33.6	11.5	3.4	Guiry et al. 2015
<i>Cabeço das Amoreiras</i>	S-EVA 6887.5	6	-16.4	13.3	38.0	13.3	3.3	Guiry et al. 2015
<i>Cabeço das Amoreiras</i>	S-EVA 6888.2	3	-19.0	9.2	40.5	13.6	3.5	Guiry et al. 2015
<i>Cabeço do Pez</i>	Unknown	2	-18.4	11.9				Diniz and Arias 2012
<i>Cabeço do Pez</i>	Unknown	9	-19.9	8.9				Diniz and Arias 2012
<i>Cabeço do Pez</i>	Unknown	17	-19.4	9.3				Diniz and Arias 2012
<i>Cabeço do Pez</i>	Unknown	21	-19.3	9.2				Umbelino et al. 2007
<i>Cabeço do Pez</i>	S-EVA 6891.2	15 (9?)	-19.5	8.5	40.0	13.9	3.4	Guiry et al. 2015
<i>Cabeço do Pez</i>	S-EVA 6892.5	27	-18.5	10.3	41.4	13.9	3.5	Guiry et al. 2015
<i>Cabeço do Pez</i>	S-EVA 6893.2	1	-18.4	10.1	42.2	14.9	3.3	Guiry et al. 2015
<i>Cabeço do Pez</i>	S-EVA 6894.2	6	-19.2	9.2	38.9	13.5	3.4	Guiry et al. 2015
<i>Cabeço do Pez</i>	S-EVA 7758.2	20	-19.2	9.7	39.3	13.5	3.4	Guiry et al. 2015
<i>Cabeço do Pez</i>	S-EVA 7759.2	24	-19.4	8.9	41.8	14.0	3.5	Guiry et al. 2015
<i>Cabeço do Pez</i>	S-EVA 7760.2	26	-19.3	9.0	41.4	13.9	3.5	Guiry et al. 2015
<i>Cabeço do Pez</i>	S-EVA 7761.2	8	-19.6	8.9	41.6	14.3	3.4	Guiry et al. 2015
<i>Cabeço do Pez</i>	S-EVA 7762.2	14	-19.8	8.7	41.8	13.9	3.5	Guiry et al. 2015
<i>Cabeço do Pez</i>	S-EVA 7763.2	19	-19.4	8.9	42.1	14.6	3.4	Guiry et al. 2015
<i>Cabeço do Pez</i>	S-EVA 7764.2	25	-19.6	8.8	41.7	13.5	3.6	Guiry et al. 2015
<i>Cabeço do Pez</i>	S-EVA 7766.2	5	-17.2	12.4	42.1	14.1	3.5	Guiry et al. 2015
<i>Cabeço do Pez</i>	S-EVA 7767.2	16	-19.1	9.8	42.0	14.6	3.4	Guiry et al. 2015
<i>Cabeço do Pez</i>	S-EVA 7768.2	13	-19.8	9.2	42.5	14.6	3.4	Guiry et al. 2015
<i>Moita do Sebastião</i>	Unknown	15	-16.2					Umbelino et al. 2007
<i>Moita do Sebastião</i>	Unknown	10	-16.6	11.5				Umbelino et al. 2007
<i>Moita do Sebastião</i>	Unknown	31	-16.7	11.2				Umbelino et al. 2007
<i>Poças de São Bento</i>	S-EVA 6895.2	13	-17.2	12.6	41.7	14.1	3.4	Guiry et al. 2015
<i>Poças de São Bento</i>	S-EVA 6896.5	3	-18.0	11.7	40.1	13.3	3.5	Guiry et al. 2015
<i>Poças de São Bento</i>	S-EVA 6897.3	5	-17.9	12.1	33.7	12.0	3.3	Guiry et al. 2015
<i>Poças de São Bento</i>	S-EVA 6898.2	12	-17.0	12.7	41.5	14.2	3.4	Guiry et al. 2015

<i>Poças de São Bento</i>	S-EVA 6899.3	1	-17.3	12.2	37.1	12.9	3.4	Guiry et al. 2015
<i>Poças de São Bento</i>	S-EVA 7752.2	11	-17.4	12.7	35.7	11.8	3.5	Guiry et al. 2015
<i>Poças de São Bento</i>	S-EVA 7754.2	8	-17.7	11.5	38.7	13.2	3.4	Guiry et al. 2015
<i>Poças de São Bento</i>	S-EVA 7755.2	7	-17.5	12.1	41.5	14.0	3.5	Guiry et al. 2015
<i>Vale de Romeiras</i>	S-EVA 6901.3	1 or 21	-19.1	10.0	38.8	13.8	3.3	Guiry et al. 2015
<i>Vale de Romeiras</i>	S-EVA 6904.2	4	-19.1	9.9	33.0	11.2	3.4	Guiry et al. 2015
<i>Vale de Romeiras</i>	S-EVA 7726.2	9	-18.7	9.8	37.2	12.6	3.4	Guiry et al. 2015
<i>Vale de Romeiras</i>	S-EVA 7728.2	19	-19.8	9.1	40.6	13.5	3.5	Guiry et al. 2015
<i>Vale de Romeiras</i>	S-EVA 7730.2	11	-18.9	10.2	40.1	13.5	3.5	Guiry et al. 2015
<i>Vale de Romeiras</i>	S-EVA 7731.2	23?	-19.0	10.3	42.2	14.1	3.5	Guiry et al. 2015
<i>Vale de Romeiras</i>	S-EVA 7735.3	5	-19.3	10.3	40.5	13.5	3.5	Guiry et al. 2015

	n =	$\delta^{13}\text{C}$	n =	$\delta^{15}\text{N}$
Neolithic Average	273	-19.6 ± 1.0	109	9.0 ± 1.1
Mesolithic Average	79	-17.8 ± 1.3	72	11.1 ± 1.6

Table S6

Stable carbon and nitrogen isotope and associated collagen integrity data from Neolithic faunal remains. Asterisks denote samples that were not run in duplicate.

S-EVA	Site	Taxon	Specimen No.	Bone	% Col	$\delta^{13}C$	$\delta^{15}N$	%C	%N	C:N
8086	Cadaval	Sus sp.	CDV 629 25	Vertebra	4.8	-21.1	4.1	42.5	15.4	3.2
8095	Cadaval	Sus sp.	CDV H30 536	Vertebra	1.0	-19.7	5.2	37.5	13.2	3.3
8083	Cadaval	Caprinae	CDV L27 7	Vertebra	9.0	-19.5	3.8	44.1	16.0	3.2
8082	Cadaval	Large ungulate	CDV K27 S/C 77	Vertebra	6.7	-19.7	9.6	41.7	15.5	3.1
8090*	Cadaval	Large ungulate	CDV H31 14 CDV G29 N3 S/C	Vertebra	5.9	-20.4	8.3	41.6	15.5	3.1
8092	Cadaval	Large ungulate	125	Vertebra	5.2	-22.1	3.2	42.0	14.9	3.3
8084	Cadaval	Small ungulate	CDV J27 28	Vertebra	4.2	-20.1	4.7	41.6	14.6	3.3
8085*	Cadaval	Small ungulate	CDV K27 S/C 37	Vertebra	3.5	-19.7	5.1	40.3	15.2	3.1
8087	Cadaval	Unknown	CDV-Sup-S/C 36 CDV Rec Sup S/C	Vertebra	7.5	-18.9	6.4	42.3	15.5	3.2
8089	Cadaval	Unknown	24A	Vertebra	9.6	-19.6	3.7	42.7	15.6	3.2
8094*	Cadaval	Unknown	CDV K27 S/C 37.1	Vertebra	8.0	-19.3	5.3	42.8	15.9	3.1
8088	Cadaval	Vupus sp.?	CDV G30 S/C 51	Vertebra	10.6	-15.9	7.7	42.6	15.6	3.2
8091	Cadaval	Vupus sp.?	CDV L27 S/C 8	Vertebra	6.6	-20.1	6.4	40.9	15.1	3.2
8093	Cadaval	Large ungulate	CDV M26 N9 106	Vertebra	0.0					
8070	Carrascal	Bos sp.	Unknown	Scapula	1.3	-20.6	5.7	41.3	14.7	3.3
8069*	Leceia	Bos sp.	N/A	Scapula	0.3	-20.3	6.9	36.3	12.0	3.5
8067*	Leceia	Bos sp.	N/A	Metapodial	0.3	-21.0	5.8	38.7	13.4	3.4
8063*	Leceia	Sus sp.	N/A	Scapula	0.4	-20.2	5.1	40.4	13.8	3.4
8066*	Leceia	Sus sp.	N/A	Scapula	0.1	-20.9	5.2	39.6	13.0	3.6
8064*	Leceia	Caprinae	N/A	Tibia	0.5	-20.4	5.9	39.8	13.4	3.5
8065*	Leceia	Caprinae	N/A	Tibia	0.6	-20.5	5.5	34.5	12.0	3.4
8068	Leceia	Caprinae	N/A	Metapodial	0.9	-21.2	5.9	41.6	14.8	3.3
8072	Moita da Ladra	Sus sp.	N/A	Astragalus	0.6	-20.5	5.1	39.8	13.7	3.4
8071	Moita da Ladra	Cervidae	Vala 9; Limpeza	Antler	1.5	-20.0	4.0	41.5	14.7	3.3
8097	Penedo do Lexim	Sus sp.	IGN.017.07937 BB	Phalange	1.5	-20.4	5.9	41.1	15.0	3.2
8101	Penedo do Lexim	Sus sp.	IGN.017.07937 B	Humerus	0.8	-20.9	6.0	36.2	12.7	3.3
8096*	Penedo do Lexim	Bos sp.	IGN.017.10266 B	Patella	2.2	-21.9	5.0	40.8	14.8	3.2
8098*	Penedo do Lexim	Bos sp.	IGN.017.10266 H	Humerus	0.7	-23.4	5.1	37.6	13.2	3.3
8099	Penedo do Lexim	Caprinae	IGN.017.10266 J	Metatarsal	1.0	-20.3	5.2	41.2	14.8	3.2
8100	Penedo do Lexim	Caprinae	IGN.017.10268 A	Humerus	3.7	-19.1	5.0	42.8	15.5	3.2
8075	Perdigões	Sus sp.	I2-U16-A288	Maxilla	0.2	-18.2	4.2	33.5	11.6	3.4
8081	Perdigões	Sus sp.	I2-V32-A1243	Mandible	0.2	-20.3	5.5	40.5	14.1	3.4
8074	Perdigões	<i>Bos taurus</i>	I2-U31-A531	Mandible	0.3	-20.5	6.9	40.1	13.7	3.4
8073	Perdigões	<i>Cervus elaphus</i>	I2-U18-A31	Mandible	0.9	-20.2	4.7	41.1	14.8	3.2
8076	Perdigões	<i>Cervus elaphus</i>	I2-U31-A619	Mandible	0.9	-19.9	5.0	38.8	14.2	3.2
7933.2	Perdigões	Ovis/Capra	I3-U8-A936	Mandible	0.0					
7934.2	Perdigões	Ovis/Capra	I3-U15-A1382	Mandible	0.0					
8077	Perdigões	Ovis/Capra	I3-U8-A936	Mandible	0.0					
8078	Perdigões	Ovis/Capra	I3-U15-A1382	Mandible	0.0					

7935.2	Perdigões	Sus sp.	I2-U16-A166	Molar	0.0
7936.2	Perdigões	Sus sp.	I3-U16-A1206	Mandible	0.0
8079	Perdigões	Sus sp.	I2-U16-A166	Tooth	0.0
8080	Perdigões	Sus sp.	I3-U16-A1206	Mandible	0.0

Tables S7.1 and S7.2

Results from statistical analyses (a One Way ANOVA followed by a post hoc Bonferroni test [significance level set at 0.5]). Data is grouped by site and overarching archaeological period (see Table 1) and includes all samples analyzed as part of this study. Data from the literature were included based on the following criteria: 1) presence of corresponding $\delta^{13}\text{C}$ and $\delta^{15}\text{N}$ values for each individual; 2) sites with analyses of five or more individuals; and 3) analyses conducted following ultrafiltration procedures outlined by Brown and colleagues (1988). Criteria 2 and 3 have been waived for Mesolithic data due to relatively small sample sizes.

Average $\delta^{13}\text{C}$ vs. Time Oneway ANOVA and Post Hoc Bonerroni ($p=$)	Mesolithic	All Neolithic	Early/Early- Middle	Middle	Middle-Late	Late
Mesolithic (n=72; -17.9±1.3‰)	x	0.000	0.000	0.000	0.000	0.000
All Neolithic (n=277; -19.5±0.5‰)	0.000	x	1.000	1.000	1.000	0.398
Early/Early- Middle (n=21; -19.5±0.6‰)	0.000	1.000	x	1.000	1.000	1.000
Middle (n=45; -19.4±0.4‰)	0.000	1.000	1.000	x	1.000	0.062
Middle-Late (n=119; -19.5±0.6‰)	0.000	1.000	1.000	1.000	x	0.158
Late (n=92; -19.7±0.3‰)	0.000	0.398	1.000	0.062	0.158	x

Table S7.2

Average $\delta^{15}\text{N}$ vs. Time Oneway ANOVA and Post Hoc Bonerroni ($p=$)	Mesolithic	All Neolithic	Early/Early- Middle	Middle	Middle-Late	Late
Mesolithic (n=72; 11.1±1.6‰)	x	0.000	0.000	0.000	0.000	0.000
All Neolithic (n=277; 8.7±1.0‰)	0.000	x	0.028	0.001	1.000	0.012
Early/Early- Middle (n=21; 9.4±0.9‰)	0.000	0.028	x	1.000	0.022	0.000
Middle (n=45; 9.4±1.0‰)	0.000	0.001	1.000	x	0.002	0.000
Middle-Late (n=119; 8.7±1.0‰)	0.000	1.000	0.022	0.002	x	0.155
Late (n=92; 8.3±0.7‰)	0.000	0.012	0.000	0.000	0.155	x