

**Table S3.** Raw data of stable isotope values of  $\delta^{13}\text{C}$  (‰) and  $\delta^{15}\text{N}$  (‰) of each individual specimen (mollusc shells) of the present and archaeological sites. Missing data\*\*

Area	Location	Period	Species	$\delta^{13}\text{C}$	$\delta^{15}\text{N}$
NORTHERN PATAGONIA	Chubut	Playa las Lisas 2	<i>Nacella magellanica</i>	-11.4	15.3
	Chubut	Playa las Lisas 2	<i>Nacella magellanica</i>	**	16.0
	Chubut	Playa las Lisas 2	<i>Nacella magellanica</i>	-15.8	16.3
	Chubut	Playa las Lisas 2	<i>Nacella magellanica</i>	-17.7	15.8
	Chubut	Playa las Lisas 2	<i>Nacella magellanica</i>	-15.8	15.0
	Chubut	Playa las Lisas 2	<i>Aulacomya atra</i>	-15.0	11.9
	Chubut	Playa las Lisas 2	<i>Aulacomya atra</i>	-13.7	13.1
	Chubut	Playa las Lisas 2	<i>Aulacomya atra</i>	-16.0	15.8
	Chubut	Playa las Lisas 2	<i>Aulacomya atra</i>	-14.0	13.8
	Chubut	Playa las Lisas 2	<i>Aulacomya atra</i>	-12.9	13.9
	Río Negro	Present	<i>Nacella magellanica</i>	**	12.5
	Río Negro	Present	<i>Nacella magellanica</i>	-13.1	11.8
	Río Negro	Present	<i>Nacella magellanica</i>	-16.0	11.2
	Río Negro	Present	<i>Nacella magellanica</i>	-13.1	12.1
	Río Negro	Present	<i>Nacella magellanica</i>	-16.3	11.7
	Río Negro	Present	<i>Aulacomya atra</i>	-16.8	11.7
	Río Negro	Present	<i>Aulacomya atra</i>	-14.8	11.5
	Río Negro	Present	<i>Aulacomya atra</i>	-16.9	11.1
	Río Negro	Present	<i>Aulacomya atra</i>	-16.8	11.9
Río Negro	Present	<i>Aulacomya atra</i>	-15.3	11.3	
SOUTHERN PATAGONIA	Atlantic coast TDF	Río Chico 1	<i>Nacella magellanica</i>	-12.6	12.7
	Atlantic coast TDF	Río Chico 1	<i>Nacella magellanica</i>	-14.2	11.1
	Atlantic coast TDF	Río Chico 1	<i>Nacella magellanica</i>	-13.8	11.7
	Atlantic coast TDF	Río Chico 1	<i>Nacella magellanica</i>	-11.6	12.4
	Atlantic coast TDF	Río Chico 1	<i>Nacella magellanica</i>	-11.5	13.2
	Atlantic coast TDF	Río Chico 1	<i>Mytilus chilensis</i>	-13.8	13.3
	Atlantic coast TDF	Río Chico 1	<i>Mytilus chilensis</i>	-14.7	13.4
	Atlantic coast TDF	Río Chico 1	<i>Mytilus chilensis</i>	-14.4	13.6
	Atlantic coast TDF	Río Chico 1	<i>Mytilus chilensis</i>	-13.6	13.6
	Atlantic coast TDF	Río Chico 1	<i>Mytilus chilensis</i>	-13.1	14.5
	Atlantic coast TDF	La Arcillosa 2	<i>Nacella magellanica</i>	-14.7	15.2
	Atlantic coast TDF	La Arcillosa 2	<i>Nacella magellanica</i>	-15.8	13.0
	Atlantic coast TDF	La Arcillosa 2	<i>Nacella magellanica</i>	-12.9	15.8
	Atlantic coast TDF	La Arcillosa 2	<i>Nacella magellanica</i>	-16.8	15.8
	Atlantic coast TDF	La Arcillosa 2	<i>Nacella magellanica</i>	-17.5	15.6
	Atlantic coast TDF	La Arcillosa 2	<i>Mytilus chilensis</i>	-15.4	13.9
	Atlantic coast TDF	La Arcillosa 2	<i>Mytilus chilensis</i>	-14.1	14.7
	Atlantic coast TDF	La Arcillosa 2	<i>Mytilus chilensis</i>	-15.7	14.1
	Atlantic coast TDF	La Arcillosa 2	<i>Mytilus chilensis</i>	-15.1	14.1
	Atlantic coast TDF	La Arcillosa 2	<i>Mytilus chilensis</i>	-15.2	13.8
	Atlantic coast TDF	Margen Sur	<i>Nacella magellanica</i>	-10.9	14.3
	Atlantic coast TDF	Margen Sur	<i>Nacella magellanica</i>	-14.7	14.5
	Atlantic coast TDF	Margen Sur	<i>Nacella magellanica</i>	-12.8	14.6
	Atlantic coast TDF	Margen Sur	<i>Nacella magellanica</i>	-13.4	15.1
	Atlantic coast TDF	Margen Sur	<i>Nacella magellanica</i>	-12.1	14.1
	Atlantic coast TDF	Margen Sur	<i>Mytilus chilensis</i>	-18.1	14.2
	Atlantic coast TDF	Margen Sur	<i>Mytilus chilensis</i>	-17.2	14.6
	Atlantic coast TDF	Margen Sur	<i>Mytilus chilensis</i>	-14.7	13.2
	Atlantic coast TDF	Margen Sur	<i>Mytilus chilensis</i>	-15.9	13.6
	Atlantic coast TDF	Margen Sur	<i>Mytilus chilensis</i>	-19.0	13.8
	Atlantic coast TDF	Teis XI	<i>Nacella magellanica</i>	-11.5	13.0
	Atlantic coast TDF	Teis XI	<i>Nacella magellanica</i>	-11.4	14.3
	Atlantic coast TDF	Teis XI	<i>Nacella magellanica</i>	-13.4	12.1
	Atlantic coast TDF	Teis XI	<i>Nacella magellanica</i>	-9.5	11.9
Atlantic coast TDF	Teis XI	<i>Nacella magellanica</i>	-12.0	12.4	
Atlantic coast TDF	Teis XI	<i>Mytilus chilensis</i>	-16.7	12.2	
Atlantic coast TDF	Teis XI	<i>Mytilus chilensis</i>	-17.6	12.7	
Atlantic coast TDF	Teis XI	<i>Mytilus chilensis</i>	-18.0	12.5	
Atlantic coast TDF	Teis XI	<i>Mytilus chilensis</i>	-18.1	11.1	

ATLANTIC COAST	Atlantic coast TDF	Teis XI	<i>Mytilus chilensis</i>	-17.4	11.6
	Atlantic coast TDF	Present (Punta María)	<i>Nacella magellanica</i>	-7.0	11.8
	Atlantic coast TDF	Present (Punta María)	<i>Nacella magellanica</i>	-9.3	12.1
	Atlantic coast TDF	Present (Punta María)	<i>Nacella magellanica</i>	-6.1	11.3
	Atlantic coast TDF	Present (Punta María)	<i>Nacella magellanica</i>	-8.8	12.1
	Atlantic coast TDF	Present (Punta María)	<i>Nacella magellanica</i>	-11.2	12.2
	Atlantic coast TDF	Present (Punta María)	<i>Mytilus chilensis</i>	-13.9	11.7
	Atlantic coast TDF	Present (Punta María)	<i>Mytilus chilensis</i>	-12.2	11.9
	Atlantic coast TDF	Present (Punta María)	<i>Mytilus chilensis</i>	-13.2	12.3
	Atlantic coast TDF	Present (Punta María)	<i>Mytilus chilensis</i>	-12.5	11.6
	Atlantic coast TDF	Present (Punta María)	<i>Mytilus chilensis</i>	-12.6	13.0
	Atlantic coast TDF	Present (María Luisa)	<i>Nacella magellanica</i>	-9.5	10.6
	Atlantic coast TDF	Present (María Luisa)	<i>Nacella magellanica</i>	-7.4	10.8
	Atlantic coast TDF	Present (María Luisa)	<i>Nacella magellanica</i>	-11.3	9.8
	Atlantic coast TDF	Present (María Luisa)	<i>Nacella magellanica</i>	-9.5	10.7
	Atlantic coast TDF	Present (María Luisa)	<i>Nacella magellanica</i>	-8.8	10.7
	Atlantic coast TDF	Present (María Luisa)	<i>Mytilus chilensis</i>	-13.1	11.7
	Atlantic coast TDF	Present (María Luisa)	<i>Mytilus chilensis</i>	-13.5	12.0
	Atlantic coast TDF	Present (María Luisa)	<i>Mytilus chilensis</i>	-13.6	11.3
	Atlantic coast TDF	Present (María Luisa)	<i>Mytilus chilensis</i>	-14.4	11.4
Atlantic coast TDF	Present (María Luisa)	<i>Mytilus chilensis</i>	-12.9	11.4	
BEAGLE CHANNEL (TIERRA DEL FUEGO)	Beagle Channel TDF	Imiwaia I (M/K)	<i>Nacella magellanica</i>	-18.4	12.8
	Beagle Channel TDF	Imiwaia I (M/K)	<i>Nacella magellanica</i>	-19.8	13.6
	Beagle Channel TDF	Imiwaia I (M/K)	<i>Nacella magellanica</i>	-20.4	13.3
	Beagle Channel TDF	Imiwaia I (M/K)	<i>Nacella magellanica</i>	-15.0	14.2
	Beagle Channel TDF	Imiwaia I (M/K)	<i>Nacella magellanica</i>	-18.3	13.0
	Beagle Channel TDF	Imiwaia I (M/K)	<i>Mytilus chilensis</i>	-22.4	15.1
	Beagle Channel TDF	Imiwaia I (M/K)	<i>Mytilus chilensis</i>	-17.1	14.3
	Beagle Channel TDF	Imiwaia I (M/K)	<i>Mytilus chilensis</i>	-17.2	16.9
	Beagle Channel TDF	Imiwaia I (M/K)	<i>Mytilus chilensis</i>	-17.1	16.3
	Beagle Channel TDF	Imiwaia I (M/K)	<i>Mytilus chilensis</i>	-17.4	14.3
	Beagle Channel TDF	Lanashuaia II	<i>Nacella magellanica</i>	-11.2	13.2
	Beagle Channel TDF	Lanashuaia II	<i>Nacella magellanica</i>	-15.6	13.1
	Beagle Channel TDF	Lanashuaia II	<i>Nacella magellanica</i>	-12.9	12.5
	Beagle Channel TDF	Lanashuaia II	<i>Nacella magellanica</i>	-14.2	11.8
	Beagle Channel TDF	Lanashuaia II	<i>Nacella magellanica</i>	-15.2	12.8
	Beagle Channel TDF	Lanashuaia II	<i>Mytilus chilensis</i>	-14.3	11.9
	Beagle Channel TDF	Lanashuaia II	<i>Mytilus chilensis</i>	-15.0	12.0
	Beagle Channel TDF	Lanashuaia II	<i>Mytilus chilensis</i>	-14.5	13.1
	Beagle Channel TDF	Lanashuaia II	<i>Mytilus chilensis</i>	-17.4	12.6
	Beagle Channel TDF	Lanashuaia II	<i>Mytilus chilensis</i>	-15.0	11.8
	Beagle Channel TDF	Shamakush X (E)	<i>Nacella magellanica</i>	**	12.0
	Beagle Channel TDF	Shamakush X (E)	<i>Nacella magellanica</i>	-11.4	11.2
	Beagle Channel TDF	Shamakush X (E)	<i>Nacella magellanica</i>	**	12.6
	Beagle Channel TDF	Shamakush X (E)	<i>Nacella magellanica</i>	-14.5	12.7
	Beagle Channel TDF	Shamakush X (E)	<i>Mytilus chilensis</i>	-14.3	12.9
	Beagle Channel TDF	Shamakush X (E)	<i>Mytilus chilensis</i>	-15.0	13.4
	Beagle Channel TDF	Shamakush X (E)	<i>Mytilus chilensis</i>	-14.5	13.7
	Beagle Channel TDF	Shamakush X (E)	<i>Mytilus chilensis</i>	**	13.8
	Beagle Channel TDF	Shamakush X (E)	<i>Mytilus chilensis</i>	**	13.4
	Beagle Channel TDF	Present (Bahía Cambaceres)	<i>Nacella magellanica</i>	-10.3	11.3
	Beagle Channel TDF	Present (Bahía Cambaceres)	<i>Nacella magellanica</i>	-13.6	11.0
	Beagle Channel TDF	Present (Bahía Cambaceres)	<i>Nacella magellanica</i>	-11.2	11.0
	Beagle Channel TDF	Present (Bahía Cambaceres)	<i>Nacella magellanica</i>	-12.5	10.6
	Beagle Channel TDF	Present (Bahía Cambaceres)	<i>Nacella magellanica</i>	-8.8	10.8
	Beagle Channel TDF	Present (Bahía Cambaceres)	<i>Mytilus chilensis</i>	-15.1	13.4
	Beagle Channel TDF	Present (Bahía Cambaceres)	<i>Mytilus chilensis</i>	-15.4	11.7
	Beagle Channel TDF	Present (Bahía Cambaceres)	<i>Mytilus chilensis</i>	-15.7	12.4
	Beagle Channel TDF	Present (Bahía Cambaceres)	<i>Mytilus chilensis</i>	-12.8	11.6
	Beagle Channel TDF	Present (Bahía Cambaceres)	<i>Mytilus chilensis</i>	-16.3	11.5