



Supplementary information table 1. Skeletal remains. Institution: MFM: Museo del Fin del Mundo, Ushuaia, Argentina; CADIC: Centro Austral de Investigaciones Científicas, Ushuaia; Argentina; MLC: Museo de La Candelaria, Río Grande, Tierra del Fuego, Argentina; PSC: Puerto Santa Cruz skeletal collection, Puerto Santa Cruz, Santa Cruz, Argentina; LEEH: Laboratorio de Ecología Evolutiva Humana, Quequén, Buenos Aires, Argentina; ME: Museo Etnográfico Juan B. Ambrosetti, Universidad de Buenos Aires, Buenos Aires, Argentina; IP: Instituto de la Patagonia, Punta Arenas, Chile. IC: Institution code. Region: NIG: Norte de Isla Grande; SGB: San Gregorio-Brunswick; PM: Península Mitre; CB: Canal de Beagle; CUE: Cordillera Última Esperanza. Sex: F: Female; M: male. SV: number of Sacral Vertebrae. Preservation: PQns and PQIS. Pathologies: Information supplementary Table 2. Prevalence of SBO in skeletal samples around the world. Lifestyle: HG: Hunter-gatherer; A: Agriculture; HFG: ND: no data. Number of incomplete archs: O: open; C: close. Those cells that are empty is because no information was provided about that variable.

Individual	Institution	IC	Chronology (years BP)	Region	Sex	Age	SV	Preservation				Pathologies			References
								PQns	PQIS	SN	Body SA	Lipping	SAF		
													Eburnation	SBO	
La Arcillosa 2	CADIC	-	5205 ± 58	NIG	F	24-28	6	100	47.6	X	X	X			Saleme et al. 2007a
Orejas de Burro 1 (1)	IMHIMCU	-	3565 ± 45	SGB	M	20-25	4	80	68.5				X		L'Hereux y Barberena 2008
Orejas de Burro 1 (2)	IMHIMCU	-	3565 ± 45	SGB	M	45-50	3	60	48.6	X	X	X			L'Hereux y Barberena 2008
Bahía Felipe 2	IP	50103	1608 ± 45	NIG	M	35-50	5	100	100			X			Suby 2014
Shamakush 6	MFM	SH-6	1536 ± 46	CB	M	35-45	5	100	54.3	X					Suby et al. 2011
Paishauai 1	MFM	857	1504 ± 46	CB	F	35-45	5	100	88.6	X	X				Suby et al. 2011
Cantera Rhasa	CADIC	-	1314 ± 36	NIG	F	A	4	80	65.7	X	NO	NO			Saleme et al. 2007b
Punta Daniel	IP	33949	1090 ± 30	SGB	M	30-40	5	100	100	X		X			Suby 2014
Cabo Nose	IP	89014	980 ± 40	NIG	M	20-35	5	100	100				X		Alfonso-Durruty et al. 2011
Cabo Vírgenes 17 (1)	LEEh	QQN007	900 ± 40	SGB	M	20-34	4	80	54.3	X					L'Heureux et al. 2003
Caleta Falsa, site 8 (1)	MFM	S8-1	820 ± 40	PM	M	18-23	5	100	100				X		Guichón and Suby 2011
Bahía Gente Grande	IP	55885	610 ± 30	NIG	M	A	5	100	100						Alfonso-Durruty et al. 2015
Seno Lautta 2	IP	288	Pre-contact	CB	F	35-40	6	100	100	X					Guichón 1994
Isla Hoste (12590)	ME	12590	Pre-contact	CB	M	36	5	100	100	X	X	X			Guichón 1994
Isla Hoste (12589)	ME	12589	Pre-contact	CB	F	A	7	100	100	X					Guichón 1994
Aleph 3	ME	-	450 ± 60	PM	M	30-39	6	100	100				X		Lanata 1995
Brazo Norte, Cerro Johnny	IP	6784	390 ± 60 / 480 ± 70	SGB	M	30-50	7	100	91.8	NO	NO	NO			Guichón 1994
Puesto Pescador	CADIC	-	335 ± 35	NIG	M	22-28	6	100	78.5			X			Suby et al. 2008
Lengua de Vaca	IP	6780	251 ± 41	NIG	F	30-40	5	100	100						Suby 2014
Las Mandíbulas 1	LEEh	QQN002	1770-1950 AD	NIG	M	20-34	5	100	100						Guichón et al. 2000
Caverna 3, Puerto Natales	IP	50109	Post-contact	CUE	M	20-25	5	100	100						Prieto 1993-94
Posesión Olimpia 1	IP	29751	Post-contact	SGB	M	A	3	60	48.6				X		Guichón 1994
Posesión Olimpia 2	IP	29750	Post-contact	SGB	M	A	4	80	57.1	X					Guichón 1994
Cementerio Haberton	MFM	CH 95	Post-contact	CB	M	25-35	5	100	100	X	X	X			Piana et al. 2006

Individual	Institution	IC	Chronology (years BP)	Region	Sex	Age	SV	Preservation				Pathologies				References	
								PQns	PQIs	SN	Body SA	Lipping	SAF		SBO		SL
													Eburnation				
Almanza (795)	MFM	795	Post-contact	CB	M	25-45	6	100	100			X	X			Schindler 2001	
Almanza (796)	MFM	796	Post-contact	CB	M	40-45	5	100	100			X	X			This work	
Akathusúñ	MFM	-	Post-contact	CB	F	30-40	5	100	100			X				Piana et al. 2006	
C11 (1)	LEEH	QQN0058	Post-contact	NIG	M	20-30	6	100	100			X	X	X		García Laborde 2016	
D-C 9-10	LEEH	QQN0053	Post-contact	NIG	M	25-40	7	100	93.9		NO	X	X			García Laborde 2016	
C 13	LEEH	QQN0026	Post-contact	NIG	F	25-35	5	100	94.3		X	X	X			García Laborde 2016	
C 15	LEEH	QQN0028	Post-contact	NIG	M	25-39	5	100	88.6		NO		X			García Laborde 2016	
E 10-11 (1)	LEEH	QQN0049	Post-contact	NIG	M	25-30	6	100	100							García Laborde 2016	
E 10-11 (2)	LEEH	QQN0055	Post-contact	NIG	F	18-25	5	100	88.6				X			García Laborde 2016	
E 12-13	LEEH	QQN0023	Post-contact	NIG	M	35-45	5	100	100		X	X				García Laborde 2016	
C 14 (2)	LEEH	QQN0033	Post-contact	NIG	F	19-20	5	100	100				X			García Laborde 2016	
D 16 (bis)	LEEH	QQN0039	Post-contact	NIG	F	21-53	6	100	100			X	X			García Laborde 2016	
E 15-16 2 (bis)	LEEH	QQN0045	Post-contact	NIG	M	30-40	5	100	100			X				García Laborde 2016	
D 15-16	LEEH	QQN0030	Post-contact	NIG	F	35-49	6	100	69		NO	NO	X	X		García Laborde 2016	
Ushuaia	ME	13276	-	CB	-	A	5	100	100							Guiñón 1994	
Ushuaia	ME	13276B	-	CB	-	A	4	80	68.6							Guiñón 1994	
Ruta 3, Ushuaia	MFM	852	-	CB	F	25-35	5	100	91.4			X	X			This work	
Ushuaia	MFM	2379	-	CB	F	A	4	80	80			X				This work	
Bahía Ushuaia	MFM	2676	-	CB	M	35-45	5	100	97.1				X			This work	
Zona Industrial, Ushuaia	MFM	2670	-	CB	M	A	6	100	100							This work	
Parque Nac. La Patria	MFM	2403 (2)	-	CB	M	35-49	5	100	100				X			This work	
Parque Nac. La Patria	MFM	2403 (3)	-	CB	-	A	5	100	100							This work	
Rancho Domata	ME	-	-	PM	-	A	5	100	100			X	X	X		This work	
Close to SMLC	ME	25884	-	NIG	M	30-35	5	100	100		X	X				Schindler 2001	
Faro Méndez	IP	54888	-	NIG	M	25	6	100	92.3			X				Constantinescu 1999	
Estancia María Behey	MFM	2667	-	NIG	M	35-49	5	100	100		X	X				This work	
Bahía Chilota	IP	73722	-	NIG	F	A	5	100	100			X				Alfonso-Durruty et al. 2015	
Bahía Santiago 4	IP	50112	-	SGB	M	A	5	100	100							Alfonso-Durruty et al. 2015	
Bahía Santiago 4	IP	73722	-	SGB	-	A	5	100	94.3							This work	
Ponsonby	IP	54889	-	CUE	F	A	5	100	100							Alfonso-Durruty et al. 2015	
2671	MFM	2671	-	-	F	20-34	5	100	100							This work	
2405	MFM	2405	-	-	M	50	5	100	77.1			X	X			This work	