

Table 1 (Fu et al. 2016)

Sample Code	Data source	Country	Lat.	Long.	Cal BP 95.4%	Date type (ref.)	Culture	Remain	SNP Panel	Sex	mtDNA haplogroup	Y chrom. haplogroup	Genetic Cluster	Damage restrict	Mean coverage+	SNPs covered
Ust'ishim	¹³	Russia	57.43	71.10	47,480-42,560	Direct-UF (¹³)	Unassigned	Femur	Shotgun	M	R	K (xLT)	Unassigned	No	42	2,137,615
Oase1	²	Romania	45.12	21.90	41,640-37,580	Direct-UF (¹³)	Unassigned	Mandible	Shotgun	M	N	F	Unassigned	Yes	0.156	285,076
Kostenki14 [*]	New	Russia	51.23	39.30	38,680-36,260	Direct-UF (¹³)	Unassigned	Tibia	3.7M	M	U2	C1b	Unassigned	No	16.1	1,774,156
GoyetQ116-1	New	Belgium	50.26	4.28	35,160-34,430	Direct-NotUF (¹³)	Aurignacian	Humerus	1240k	M	M	C1a	Unassigned	No	1.046	846,983
Muierii2	New	Romania	45.11	23.46	33,760-32,840	Direct-UF (¹³)	Unassigned	Temporal	3.7M	F	U6		Unassigned	Yes	0.049	98,618
Paglicci133	New	Italy	41.65	15.61	34,580-31,210	Layer (¹³)	Gravettian	Tooth	1240k	M	U8c	I	Vestonice	No	0.041	82,330
Cioelovina1	New	Romania	45.35	23.84	33,090-31,780	Direct-UF (¹³)	Unassigned	Cranium	1240k	M	U	CT	Unassigned	Yes	0.006	12,784
Kostenki12	New	Russia	51.23	39.30	32,990-31,840	Layer (¹³)	Unassigned	Cranium	3.7M	M	U2	CT	Unassigned	No	0.03	61,228
KremsWA3	New	Austria	48.41	15.59	31,250-30,690	Layer (¹³)	Gravettian	Cranium	1240K	M	U5		Vestonice	No	0.11	203,986
Vestonice13	New	Czech Republic	48.53	16.39	31,070-30,670	Layer (¹³)	Gravettian	Femur	3.7M	M	U8c	CT(notUJK)	Vestonice	Yes	0.071	139,568
Vestonice15	New	Czech Republic	48.53	16.39	31,070-30,670	Layer (¹³)	Gravettian	Femur	3.7M	M	U5	BT	Vestonice	Yes	0.015	30,900
Vestonice14	New	Czech Republic	48.53	16.39	31,070-30,670	Layer (¹³)	Gravettian	Femur	390k	M	U		Vestonice	Yes	0.003	5,677
Pavlov1	New	Czech Republic	48.53	16.39	31,110-29,410	Layer (¹³)	Gravettian	Femur	3.7M	M	U5	C1a2	Vestonice	Yes	0.028	57,005
Vestonice43	New	Czech Republic	48.53	16.39	30,710-29,310	Layer (¹³)	Gravettian	Femur	3.7M	M	U	F	Vestonice	Yes	0.087	163,946
Vestonice16	New	Czech Republic	48.53	16.39	30,710-29,310	Layer (¹³)	Gravettian	Femur	3.7M	M	U5	IJK	Vestonice	No	1.31	945,292
Ostuni2	New	Italy	40.73	17.57	29,310-28,640	Direct-UF (New)	Gravettian	Femur	3.7M	F	U2		Vestonice	Yes	0.008	17,017
GoyetQ53-1	New	Belgium	50.26	4.28	28,230-27,720	Direct-NotUF (¹³)	Gravettian	Fibula	1240k	F	U2		Vestonice	Yes	0.006	12,567
Paglicci108	New	Italy	41.65	15.61	28,430-27,070	Layer (¹³)	Gravettian	Phalanx	1240k	F	U2'3'4'7'8'9		Vestonice	Yes	0.002	4,330
Ostuni1	New	Italy	40.73	17.57	27,810-27,430	Direct-UF (New)	Gravettian	Tibia	3.7M	F	M		Vestonice	Yes	0.245	369,313
GoyetQ376-19	New	Belgium	50.26	4.28	27,720-27,310	Direct-NotUF (¹³)	Gravettian	Humerus	1240k	F	U2		Vestonice	Yes	0.012	25,400
GoyetQ56-16	New	Belgium	50.26	4.28	26,600-26,040	Direct-NotUF (¹³)	Gravettian	Fibula	1240k	F	U2		Vestonice	Yes	0.005	9,988
Malta1	¹⁴	Russia	52.9	103.5	24,520-24,090	Direct-UF (¹⁴)	Unassigned	Humerus	Shotgun	M	U	R	Mal'ta	No	1.174	1439501
ElMiron	New	Spain	43.26	-3.45	18,830-18,610	Direct-UF (¹⁴)	Magdalenian	Toe	3.7M	F	U5b		El Mirón	Yes	1.012	797,714
AfontovaGora3	New	Russia	56.05	92.87	16,930-16,490	Layer (¹⁴)	Unassigned	Tooth	3.7M	F	R1b		Mal'ta	Yes	0.17	286,355
AfontovaGora2	¹⁴	Russia	56.05	92.87	16,930-16,490	Direct-UF (¹⁴)	Unassigned	Humerus	Shotgun	M			Mal'ta	No	0.071	143,751
Rigney1	New	France	47.23	6.10	15,690-15,240	Direct-NotUF (¹⁴)	Magdalenian	Mandible	1240k	F	U2'3'4'7'8'9		El Mirón	Yes	0.017	35,600
HohleFels49	New	Germany	48.22	9.45	16,000-14,260	Layer (¹⁴)	Magdalenian	Femur	390k	M	U8a	I	El Mirón	Yes	0.033	63,151
GoyetQ-2	New	Belgium	50.26	4.28	15,230-14,780	Direct-NotUF (¹⁴)	Magdalenian	Humerus	1240k	M	U8a	HJK	El Mirón	Yes	0.035	72,263
Brillenhohle	New	Germany	48.24	9.46	15,120-14,440	Direct-UF (¹⁴)	Magdalenian	Cranium	390k	M	U8a		El Mirón	Yes	0.006	13,459
HohleFels79	New	Germany	48.22	9.45	15,070-14,270	Direct-UF (¹⁴)	Magdalenian	Cranium	390k	M	U8a		El Mirón	Yes	0.005	11,211
Burkhardtshohle	New	Germany	48.32	9.35	15,080-14,150	Direct-NotUF (¹⁴)	Magdalenian	Cranium	1240k	M	U8a	I	El Mirón	Yes	0.018	38,376
Villabrana	New	Italy	46.15	12.21	14,180-13,780	Direct-UF (¹⁴)	Epigravettian	Femur	3.7M	M	U5b2b	R1b1	Villabrana	No	3.137	1,215,433
Bichon	²	Switzerland	47.01	6.79	13,770-13,560	Direct-UF (¹⁴)	Azilian	Petrous	Shotgun	M	U5b1h	I2	Villabrana	No	8.119	2,116,782
Satsurblia	²	Georgia	42.24	42.92	13,380-13,130	Direct-UF (¹⁴)	Epigravettian	Petrous	Shotgun	M	K3	J2	Satsurblia	No	1.195	1,460,368
Rochedane	New	France	47.21	6.45	13,090-12,830	Direct-NotUF (¹⁴)	Epipaleolithic	Mandible	1240k	M	U5b2b	I	Villabrana	No	0.131	237,390
Ibousseres39	New	France	44.29	4.46	12,040-11,410	Direct-NotUF (¹⁴)	Epipaleolithic	Femur	390k	M	U5b2b		Villabrana	Yes	0.005	9,659
Continenza	New	Italy	41.96	13.54	11,200-10,510	Layer (New)	Mesolithic	Cranium	3.7M	F	U5b1		Villabrana	Yes	0.006	11,717
Ranchot88	New	France	47.91	5.43	10,240-9,930	Direct-NotUF (¹⁴)	Mesolithic	Cranium	1240k	F	U5b1		Villabrana	Yes	0.322	414,863
LesClouseaux13	New	France	48.52	2.11	10,240-9,560	Direct-NotUF (¹⁴)	Mesolithic	Femur	1240k	F	U5a2		Villabrana	Yes	0.004	8,635
Kotias	²	Georgia	42.13	43.12	9,890-9,550	Direct-UF (¹⁴)	Mesolithic	Tooth	Shotgun	M	H13c	J	Satsurblia	No	12.157	2,133,968
Falkenstein	New	Germany	48.06	9.04	9,410-8,990	Direct-NotUF (¹⁴)	Mesolithic	Fibula	390k	M	U5a2c	F	Villabrana	Yes	0.033	64,428
Karelia	⁹	Russia	61.65	35.65	8,800-7,950	Layer (¹⁴)	Mesolithic	Tooth	Shotgun	M	C1g	R1a1	Unassigned	No	1.952	1,754,410
Bockstein	New	Germany	48.33	10.09	8,370-8,160	Layer (¹⁴)	Mesolithic	Tooth	390k	F	U5b1d1		Villabrana	Yes	0.011	21,977
Ofnet	New	Germany	48.49	10.27	8,430-8,060	Layer (¹⁴)	Mesolithic	Tooth	390k	F	U5b1d1		Villabrana	Yes	0.003	6,263
Chaudardes1	New	France	49.24	3.46	8,360-8,050	Direct-NotUF (¹⁴)	Mesolithic	Tibia	1240k	M	U5b1b	I	Villabrana	Yes	0.046	92,657
Loschbour	¹⁵	Luxembourg	49.70	6.24	8,160-7,940	Direct-UF (¹⁵)	Mesolithic	Tooth	Shotgun	M	U5b1a	I2a1b	Villabrana	No	20	2,091,584
LaBran1	¹⁶	Spain	42.93	-5.35	7,940-7,690	Direct-UF (¹⁵)	Mesolithic	Tooth	Shotgun	M	U5b2c1	C1a2	Villabrana	No	3.338	1,884,745
Hungarian.KO1	¹⁷	Hungarian	47.93	21.20	7,730-7,590	Direct-UF (¹⁵)	Neolithic	Petrous	Shotgun	M	R3	I2a	Villabrana	No	1.1	1,410,303
Motala12	¹⁵	Sweden	58.54	15.05	7,670-7,580	Direct-UF (New)	Mesolithic	Tooth	Shotgun	M	U2e1	I2a1b*	Unassigned	No	2.185	1,874,519
BerryAuBac	New	France	49.24	3.54	7,320-7,170	Direct-NotUF (¹⁵)	Mesolithic	Radius	1240k	M	U5b1a	I	Villabrana	No	0.027	54,690
Stuttgart	¹⁵	Germany	48.78	9.18	7,260-7,020	Direct-UF (New)	Early Neolithic	Tooth	Shotgun	F	T2e1d1		Unassigned	No	19	2,078,724