

Dataset 4. Previously published mitochondrial DNA sequences

Accession number	Site	Age
AY082881	Bear Cave (Scotland, United Kingdom)	Late Holocene
AJ809333	Ramesch	47,420 B.P.
AJ809334	Winden	39,940 B.P.
X75871	Norway	Present
X75868	Dalarna, Sweden	Present
X75865	Cantabria, Spain	Present
X75878	Pyrenees, France	Present
X75877	Slovenia	Present
X75867	Croatia	Present
X75864	Bulgaria	Present
X755870	Greece	Present
X75862	Abruzzo, Italy	Present
X75874	Russia	Present
X75875	Russia1	Present
X75876	Russia2	Present
EF488487	Cuevas del Somo (Burgos, Spain)	7,500 ± 55 B.P.
EF488502	Cuevas del Somo (Burgos, Spain)	-----
EF488503	Cuevas del Somo (Burgos, Spain)	4,624 ± 45 B.P.
EF488495	Mont Ventoux (Vaucluse, France)	1,570 ± 35 B.P.
EF488504	Atapuerca-Cueva Mayor (Burgos, Spain)	17,440 ± 425 B.P.
EF488488	Grotta Beatrice Cenci (Abruzzo, Italy)	16,440 ± 65 B.P.
EF488489	Cantabria Cave (Cantabria, Spain)	-----
EF488490	Cuevas del Somo (Burgos, Spain)	5,380 ± 45 B.P.
EF488496	Mont Ventoux (Vaucluse, France)	4,645 ± 40 B.P.
EF488492	Mont Ventoux (Vaucluse, France)	3,845 ± 40 B.P.
EF488493	Mont Ventoux (Vaucluse, France)	1,750 ± 30 B.P.

Accession number	Site	Age
EF488491	Mont Ventoux (Vaucluse, France)	1,790 ± 55 B.P.
EF488494	Mont Ventoux (Vaucluse, France)	6,525 ± 50 B.P.
EF488505	Mont Ventoux (Vaucluse, France)	3,445 ± 40 B.P.
EF488497	Navacepeda (Avila, Spain)	350 ± 40 B.P.
EF488501	Dienstedt (Thuringia, Germany)	1,665 ± 35 B.P.
EF488498	Mühlberg (Thuringia, Germany)	1,770 ± 35 B.P.
EF488499	Bad Frankenhausen (Thuringia, Germany)	5,210 ± 35 B.P.
EF488500	Wysburg near Weisbach (Thuringia, Germany)	XII-XIV century
AY149273	Balme a Collomb (France)	-----
AY149271	Cova Linares	-----
AY149268	Scladina	-----

Ancient and modern brown bear sequences taken from GenBank database with their corresponding accession number, geographic location, and assigned age. Samples dated to B.P. correspond to uncalibrated radiocarbon years B.P.