**Table S10**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Fossil specimen** | **Country** | **mtDNA region** | **Diagnostic Neanderthals trasversion in HVR1 according to [**[**3**](#_ENREF_1)**]** | **Reference** |
| Teshik Tash | Uzbekistan | HVR1 | 16139 A/T16256 C/AInsertion 16263 A | [[1](#_ENREF_1)] |
| Okladnikov | Russia | HVR1 | 16139 A/T16256 C/AInsertion 16263 A | [[1](#_ENREF_1)] |
| Feldhofer 1 | Germany | Complete mtDNA | 16139 A/T16256 C/AInsertion 16263 A | [[2](#_ENREF_2),[3](#_ENREF_3)] |
| Feldhofer 2 | Germany | Complete mtDNA | 16139 A/T16256 C/AInsertion 16263 A | [[3](#_ENREF_3),[4](#_ENREF_4)] |
| Mezmaiskaya | Russia | Complete mtDNA | 16139 A/T16256 C/AInsertion 16263 A | [[3](#_ENREF_3),[5](#_ENREF_5)] |
| Vindija 75 | Croatia | HVR1 | 16139 A/T16256 C/AInsertion 16263 A | [[6](#_ENREF_6)] |
| Vindija 77 | Croatia | HVR1 | 16256 C/A | [[7](#_ENREF_7)] |
| Vindija 80 (33.16) | Croatia | Complete mtDNA | 16139 A/T16256 C/AInsertion 16263 A | [[7](#_ENREF_7),[8](#_ENREF_8)] |
| Vindija 33.25 |  | Complete mtDNA | 16139 A/T16256 C/AInsertion 16263 A | [[3](#_ENREF_3)] |
| Engis 2 | Belgium | HVR1 | 16256 C/A | [[7](#_ENREF_7)] |
| Le Chapelle-aux-Saint | France | HVR1 | 16256 C/A | [[7](#_ENREF_7)] |
| Rochers de Villenueve | France | HVR1 | 16256 C/A | [[9](#_ENREF_9)] |
| Scladina | Belgium | HVR1 | 16256 C/A | [[7](#_ENREF_7),[10](#_ENREF_10)] |
| Monte Lessini | Italy | HVR1 | 16139 A/T16256 C/AInsertion 16263 A | [[11](#_ENREF_11)] |
| Monte Lessini Mandible | Italy | HVR1 | 16256 C/A | This paper |
| El Sidron SD-441 | Spain | HVR1, HVR-1 HVR-, 2 | 16256 C/A, 16139 A/T, 16256 C/AInsertion 16263 A | [[12](#_ENREF_12)],[13] |
| El Sidron SD-1252 | Spain | HVR1 | 16139 A/T16256 C/AInsertion 16263 A | [[14](#_ENREF_13)] |
| EL Sidron 1253 | Spain | Complete MtDNA | 16139 A/T16256 C/AInsertion 16263 A | [[3](#_ENREF_3)] |
| SD-1240 | Spain  | HVR1, HVR-2 | 16139 A/T16256 C/AInsertion 16263 A | [15] |
| SD-011 | Spain | HVR-1, HVR-2 | 16139 A/T16256 C/AInsertion 16263 A | [15] |
| SD-331c | Spain | HVR-1, HVR-2 | 16139 A/T16256 C/AInsertion 16263 A | [15] |
| SD-1327h | Spain | HVR-1, HVR-2 | 16139 A/T16256 C/AInsertion 16263 A | [15] |
| SD-753 | Spain | HVR-1, HVR-2 | 16139 A/T16256 C/AInsertion 16263 A | [15] |
| SD-1161 | Spain | HVR-1 | 16139 A/T16256 C/A | [15] |
| SD-763a | Spain | HVR-1, HVR-2 | 16139 A/T16256 C/AInsertion 16263 A | [15] |
| SD-566 | Spain | HVR-1, HVR-2 | 16139 A/T16256 C/AInsertion 16263 A | [15] |
| SD-500 | Spain | HVR-1, HVR-2 | 16139 A/T16256 C/AInsertion 16263 A | [15] |
| SD-1634 | Spain | HVR-1, HVR-2 | 16139 A/T16256 C/AInsertion 16263 A | [15] |
| SD-763b | Spain | HVR-1, HVR-2 | 16139 A/T16256 C/AInsertion 16263 A | [15] |
| SD-634 | Spain | HVR-1, HVR-2 | 16139 A/T16256 C/AInsertion 16263 A | [15] |
| Valdegoba | Spain | HVR1 | 16139 A/T16256 C/AInsertion 16263 A | [[16](#_ENREF_14)] |
| Cova del Gegant | Spain | HVR-1 | 16256 C/A | [17] |
|  |  |  |  |  |
|  |  |  |  |  |

**Table S10 references**

1. Krause J, Orlando L, Serre D, Viola B, Prufer K, et al. (2007) Neanderthals in central Asia and Siberia. Nature 449: 902-904.

2. Krings M, Stone A, Schmitz RW, Krainitzki H, Stoneking M, et al. (1997) Neandertal DNA sequences and the origin of modern humans. Cell 90: 19-30.

3. Briggs AW, Good JM, Green RE, Krause J, Maricic T, et al. (2009) Targeted retrieval and analysis of five Neandertal mtDNA genomes. Science 325: 318-321.

4. Schmitz RW, Serre D, Bonani G, Feine S, Hillgruber F, et al. (2002) The Neandertal type site revisited: interdisciplinary investigations of skeletal remains from the Neander Valley, Germany. Proc Natl Acad Sci U S A 99: 13342-13347.

5. Ovchinnikov IV, Götherström A, Romanova GP, Kharitonov VM, Lidén K, et al. (2000) Molecular analysis of Neanderthal DNA from the northern Caucasus. Nature 404: 490-493.

6. Krings M, Capelli C, Tschentscher F, Geisert H, Meyer S, et al. (2000) A view of Neandertal genetic diversity. Nat Genet 26: 144-146.

7. Serre D, Langaney A, Chech M, Teschler-Nicola M, Paunovic M, et al. (2004) No evidence of Neandertal mtDNA contribution to early modern humans. PLoS Biol 2: E57.

8. Green RE, Malaspinas AS, Krause J, Briggs AW, Johnson PL, et al. (2008) A complete Neandertal mitochondrial genome sequence determined by high-throughput sequencing. Cell 134: 416-426.

9. Beauval C, Maureille B, Lacrampe-Cuyaubere F, Serre D, Peressinotto D, et al. (2005) A late Neandertal femur from Les Rochers-de-Villeneuve, France. Proc Natl Acad Sci U S A 102: 7085-7090.

10. Orlando L, Darlu P, Toussaint M, Bonjean D, Otte M, et al. (2006) Revisiting Neandertal diversity with a 100,000 year old mtDNA sequence. Curr Biol 16: R400-402.

11. Caramelli D, Lalueza-Fox C, Condemi S, Longo L, Milani L, et al. (2006) A highly divergent mtDNA sequence in a Neandertal individual from Italy. Curr Biol 16: R630-632.

12. Lalueza-Fox C, Sampietro ML, Caramelli D, Puder Y, Lari M, et al. (2005) Neandertal evolutionary genetics: mitochondrial DNA data from the iberian peninsula. Mol Biol Evol 22: 1077-1081.

14. Lalueza-Fox C, Krause J, Caramelli D, Catalano G, Milani L, et al. (2006) Mitochondrial DNA of an Iberian Neandertal suggests a population affinity with other European Neandertals. Curr Biol 16: R629-630.

15. Lalueza-Fox C, Rosas A, Estalrrich A, Gigli E, Campos PF, et al.(2011) Genetic evidence for

patrilocal mating behavior among Neandertal groups. Proc Natl Acad Sci U S A.

4;108(1):250-3.

16. Dalen L, Orlando L, Shapiro B, Brandstrom-Durling M, Quam R, et al. (2012) Partial genetic turnover in neandertals: continuity in the East and population replacement in the West. Mol Biol Evol 29: 1893-1897.

17.

Neandertal mtDNA from a Late Pleistocene Human Mandible from the Cova del Gegant (Spain) Juan Luis Arsuaga, Rolf Quam, Joan Daura, Montserrat Sanz, Maria Eulàlia Subira, Love Dalén, and Anders Götherström in S. Condemi and G.-C. Weniger (eds.), Continuity and Discontinuity in the Peopling of Europe: One Hundred Fifty Years of Neanderthal Study, 213 Vertebrate Paleobiology and Paleoanthropology, DOI 10.1007/978-94-007-0492-3\_19, © Springer Science+Business Media B.V. 2011