

# *Early hominins in north-west Europe: a punctuated long chronology?*

Article

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Hosfield, R. ORCID: <https://orcid.org/0000-0001-6357-2805>  
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**Table 7:** European sites with butchery evidence.

Period	Species	Butchery Evidence	Sites
Early Pleistocene	<i>Bison</i> sp. <i>B. menneri</i> <i>B. voigtstedtensis</i> <i>C. elaphus</i> <i>C. s.l. nestii vallonnetensis</i> <i>Cervid</i> sp. <i>Cercopithecidae</i> <i>Eucladoceros</i> <i>Equus</i> sp. <i>Hippopotamus</i> <i>S. etruscus</i> <i>S. hundsheimensis</i> <i>U. dolinensis</i> <i>V. praeglacialis</i>	Defleshing; disarticulation; dismemberment; evisceration; filleting; skinning	Gran Dolina TD6 (Saladié et al., 2011) Sima del Elefante (Huguet et al., 2013)
Early Middle Pleistocene	<i>Bos</i> or <i>Bison</i> sp. <i>C. capreolus</i> <i>C. elaphus</i> <i>E. ferus</i> <i>S. hundsheimensis</i> <i>U. deningeri</i>	Cut-marks; defleshing; dismemberment; filleting; marrow bone breakage; skinning	Boxgrove (Bello et al., 2009; Parfitt and Roberts, 1999) Happisburgh I (Ashton et al., 2008b) Westbury (Andrews and Ghaleb, 1999)
Later Middle Pleistocene	<i>Bos</i> or <i>Bison</i> sp. <i>C. elaphus</i>	Boning; cut-marks; defleshing; dismemberment; filleting;	Barnham (Parfitt, 1998)

	<i>E. ferus</i>	marrow bone breakage; skinning	Schöningen (Van Kolfshoten et al., 2015a; Voormolen, 2008) Hoxne (Stopp, 1993)
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