

Results of AMS 14C analysis of sample material submitted to AMS laboratory, ETH Zürich

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Sample-Nr.	Sample Code	Description	Code-Nr.	Material	C14 age BP	±1σ
ETH-82629	RDL-N.09050	Wolf bone		bone	20517	63

Exclaimer: 14C analysis give measure of time for the formation of sample material but not a proof of the authenticity of sampled object

Notes:

C14 age (BP)--delta C13 corrected radiocarbon age based on concentration of 14C measured in sample
BP= Before Present (before 1950 AD)

δC13 is a value measured on graphite and might include additional fractionation
***C/N ratio is an atomic ratio (C/N)*(14/12)**

References:**Samples Treatment:**

Bones Hajdas et al., 2007. Quaternary International 164–165 p. 98–105

Reporting 14C ages:

Stuiver and Polach (1977) Radiocarbon 19(3): 355-363.

Calibrated ages:

All calibrated intervals listed below need to be taken into account
In some cases due to the shape of the calibration curve in the region of interest, the age of the sample falls into a period of time, where more precise information about the true age range cannot be given.

for plots see next sheets with OXCAL output

OxCal v4.2.4 Bronk Ramsey (2013); r:5

IntCal13 atmospheric curve (Reimer et al 2013)

ETH-82629 R_Date(20517,63)

68.2% probability

22900BC (68.2%) 22569BC

95.4% probability

23058BC (95.4%) 22459BC

F14C	±1σ	δC13	±1σ	mg C	C/N
		‰			
0,0778	0,0006	-18,4	1	1	3,31