* We compared animal bones from Neanderthal and modern human archaeological strata.
* We targeted mammalian families used for cold weather clothing in the recent past.
* Cold weather clothing species occur in both Neanderthal and early modern human strata.
* Leporids, canids, and mustelids are more frequent in early modern human strata.
* This supports the hypothesis that Neanderthals employed only cape-like clothing.
* It also suggests that early modern humans used specialized cold weather clothing.