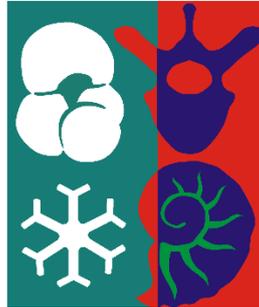




ARISTOTLE UNIVERSITY OF THESSALONIKI  
Interinstitutional Program of Postgraduate Studies in  
PALAEOLOGY – GEOBIOLOGY



EVANGELIA ALIFIERI  
Geologist

DIETARY ADAPTATIONS OF THE EARLY PLEISTOCENE  
GERAKAROU MAMMAL COMMUNITY (MYGDONIA BASIN,  
GREECE)

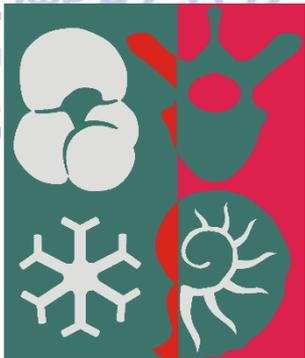
MASTER THESIS

*DIRECTION: Macropalaeontology*  
*Directed by: Aristotle University of Thessaloniki*



THESSALONIKI  
2021



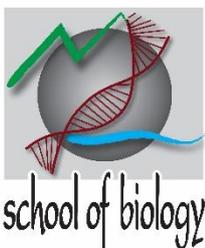


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DIETARY ADAPTATIONS OF THE EARLY PLEISTOCENE  
GERAKAROU MAMMAL COMMUNITY (MYGDONIA BASIN,  
GREECE)

ΔΙΑΤΡΟΦΙΚΕΣ ΠΡΟΣΑΡΜΟΓΕΣ ΤΗΣ ΚΑΤΩ ΠΛΕΙΣΤΟΚΑΙΝΙΚΗΣ  
ΚΟΙΝΟΤΗΤΑΣ ΘΗΛΑΣΤΙΚΩΝ ΤΗΣ ΓΕΡΑΚΑΡΟΥΣ (ΜΥΓΔΟΝΙΑ ΛΕΚΑΝΗ,  
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DIETARY ADAPTATIONS OF THE EARLY PLEISTOCENE GERAKAROU  
MAMMAL COMMUNITY (MYGDONIA BASIN, GREECE) – *Master Thesis*

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ΔΙΑΤΡΟΦΙΚΕΣ ΠΡΟΣΑΡΜΟΓΕΣ ΤΗΣ ΚΑΤΩ ΠΛΕΙΣΤΟΚΑΙΝΙΚΗΣ  
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## TABLE OF CONTENTS

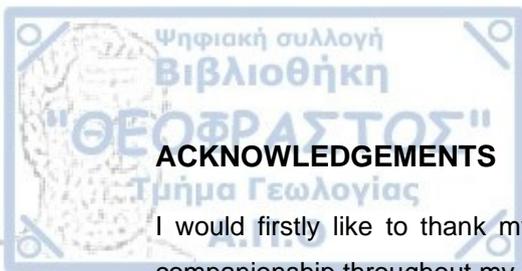
ACKNOWLEDGEMENTS .....	1
ABSTRACT .....	2
ΠΕΡΙΛΗΨΗ .....	2
1. INTRODUCTION .....	3
2. MATERIAL & METHODS .....	5
2.1. GEOLOGICAL, PALEONTOLOGICAL AND CHRONOLOGICAL SETTINGS .....	5
2.2. MATERIAL .....	8
2.2.1. <i>Fossil Species</i> .....	8
2.2.2. <i>Extant Species</i> .....	8
2.2.2.1. Extant for dental microwear textural analysis (Table 1: dataset A) .....	8
2.2.2.2. Extant for dental mesowear analysis (Table 1: datasets A and B) .....	8
2.2.3. <i>Ecology of extant species used in DMTA</i> .....	10
2.2.3.1. The four sympatric species (BNRP) .....	10
2.2.3.2. The other species .....	10
2.3. METHODS .....	10
2.3.1. <i>Microwear</i> .....	11
2.3.1.1. Chosen Parameters .....	13
2.3.1.1.1. SSFA Parameters.....	14
2.3.1.1.2. STA parameters .....	15
2.3.2. <i>Mesowear</i> .....	16
2.3.2.1. Method X (Fig. 4A); Rivals and Semprebou .....	17
2.3.2.2. Method Y (Fig. 4B); Muhlbacher.....	17
2.3.2.3. Method Z (Fig. 4C); novel method .....	17
3.RESULTS .....	19
3.1. MICROWEAR .....	19
3.1.1. <i>Suids</i> .....	19
3.1.2. <i>Other ungulates</i> .....	20
3.1.2.1. Univariate analyses between taxa .....	20
3.1.3.1. SSFA parameters .....	22
3.1.3.2. ISO parameters.....	25
3.2. MESOWEAR .....	26
3.2.1. <i>Bauges and Gerakarou localities</i> .....	26
3.2.1.1. Methods X and Y .....	26
3.2.1.2. Method Z.....	26
3.2.2. <i>Various localities (Method X)</i> .....	27
4. DISCUSSION .....	31
4.1. MICROWEAR .....	31
4.1.1. <i>Parameters in relation to diets of extant</i> .....	31
4.1.1.1. SSFA Parameters .....	31
4.1.1.2. STA parameters .....	32
4.1.2. <i>Inferred diet of fossils</i> .....	33
4.1.2.1. Ungulates.....	33
4.1.2.1.1. Suidae .....	36
4.2. MESOWEAR .....	36
4.2.1. <i>Method comparison (X, Y, Z)</i> .....	36
4.2.2. <i>Diet of the fossils inferred in relation to the extant in Method X</i> .....	37
4.3. DIET OF THE FOSSILS: MICROWEAR VS MESOWEAR.....	38
4.4. ENVIRONMENT OF GERAKAROU-1 .....	39
5. CONCLUSION.....	40
REFERENCES .....	41



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## ABSTRACT

The Early Pleistocene is a well-represented time period in the fossil record of Eastern Europe, but many questions remain about the paleoenvironment and its role in the faunal dispersal during that time period, including the genus *Homo*. The Early Pleistocene locality of Gerakarou-1 (2–1.8 Ma) situated in northern Greece (Mygdonia Basin) can provide an insight into the environmental conditions of that time and area. To investigate the paleoenvironment of Gerakarou-1 the dental material of its fossil ungulates was studied, using dental microwear and mesowear analyses. The mesowear analyses also include a newly developed, quantitative method. Extant species with known diets and dietary categories ranging from grazers to browsers were used to better characterize the diet of fossil species. Mixed feeders were dominant in the faunal assemblage of Gerakarou-1, indicating a mosaic environment (open forest-savanna woodland).

Keywords: Lower Pleistocene, Paleoenvironment, Greece, Mygdonia Basin, Gerakarou, Feeding ecology, Microwear, Mesowear

## ΠΕΡΙΛΗΨΗ

Αν και το Κάτω Πλειστόκαινο είναι μια σχετικά καλά αντιπροσωπευμένη χρονική περίοδος στο απολιθωματοφόρο αρχείο της Ανατολικής Ευρώπης, πολλά ερωτήματα παραμένουν ανοικτά σε σχέση με το παλαιοπεριβάλλον και το ρόλο του στις πανιδικές μεταναστεύσεις, συμπεριλαμβανομένου και του γένους *Homo*. Η Κάτω Πλειστόκαινική θέση Γερακαρού-1 (2–1,8 Ma), που βρίσκεται στην Βόρεια Ελλάδα (Μυγδονία Λεκάνη), μπορεί να προσφέρει σημαντικές πληροφορίες για τις περιβαλλοντολογικές συνθήκες εκείνης της περιόδου και περιοχής. Για την έρευνα του παλαιοπεριβάλλοντος στο οποίο ανταποκρίνεται η παλαιοπανίδα της Γερακαρούς, μελετήθηκαν τα οδοντικά στοιχεία των απολιθωμάτων σπηλαϊκών θηλαστικών, χρησιμοποιώντας οδοντικές αναλύσεις μικροτριβής και μεσοτριβής. Οι αναλύσεις μεσοτριβής εμπεριέχουν και μια πρόσφατα αναπτυγμένη, πιο ποσοτική μέθοδο. Σημερινά είδη με γνωστή διατροφή και διατροφικές κατηγορίες που κυμαίνονται από “browser” (κορφολογητές) σε “grazer” (βοσκητές), χρησιμοποιήθηκαν για να κατηγοριοποιήσουμε καλύτερα τα απολιθωμένα είδη. Η μελέτη υποστηρίζει ότι η πανίδα της Γερακαρού κυριαρχείται από taxa με ενδιάμεσες διατροφικές προτιμήσεις (“mixed feeders”), υποδεικνύοντας ένα μωσαϊκό περιβάλλον (ανοικτά δάση-δασώδεις σαβάνες / “open forest-savanna woodland”).

Λέξεις Κλειδιά: Κάτω Πλειστόκαινο, Παλαιοπεριβάλλον, Ελλάδα, Μυγδονία Λεκάνη, Γερακαρού, Διατροφική Οικολογία, Μικροτριβή, Μεσοτριβή

## 1. INTRODUCTION

The Early Pleistocene in Europe was characterized by glacial-interglacial cycles, with a 41 ky periodicity, which had already started from the end of Pliocene (~2.5 Ma Lisiecki and Raymo, 2005) (~2.5 Ma Lisiecki and Raymo, 2005) and shifted the global trend to colder temperatures, linked with habitat openings during the glacial events (Kahlke et al., 2011). Despite the fact that those events were more limited than more recent ones in their range of cyclical fluctuations, they greatly impacted the floral and faunal assemblages, in terms of the ecology, the niche partitioning and the dispersal paths (Lisiecki and Raymo, 2005). That was when the modern Mediterranean climate was first established in southern Europe (Suc, 1984).

Furthermore, the discovery of the first occurrence of *Homo* in Eurasia at 1.85–1.77 Ma, at the locality of Dmanisi in Georgia (Ferring et al., 2011; Lordkipanidze et al., 2013; Messager et al., 2010), although geographically isolated, had raised a crucial question in regards to the hominid dispersals in Europe. Despite the current lack of Greek human fossil records prior to the Middle Pleistocene (Harvati et al., 2009; Tourloukis and Karkanas, 2012), Greece, which is situated at the boundary between Africa's, Middle East's, Western Asia's and Europe's biogeographic zones, is a crucial location along the most likely route of human dispersal from Africa to Eurasia (Harvati et al., 2009; Harvati & Tourloukis, 2013; Konidaris et al., 2015; Koufos & Kostopoulos, 2016 and ref. therein).

Understanding the impact of Early Pleistocene's climatic oscillations on the vegetation of local environments could further help with explaining the dispersal of *Homo*, especially in southeastern Europe. This can be done by using the locality's herbivore assemblage, since the herbivore species' diet is reflective of the vegetal resources in their habitat. Then their ecological partitioning can be explored, which would further allow to infer the paleoenvironment of wider areas.

Key areas for research are considered to be fluvio-lacustrine basins that were raised and got inverted in the late Pleistocene, such as the Mygdonia Basin near Thessaloniki (Tourloukis, 2010; Tourloukis and Karkanas, 2012), in which hitherto 12 open-air Early Pleistocene fossiliferous localities have been found, enriching greatly the fossil record of Greece (Konidaris et al., 2021 and ref. therein).

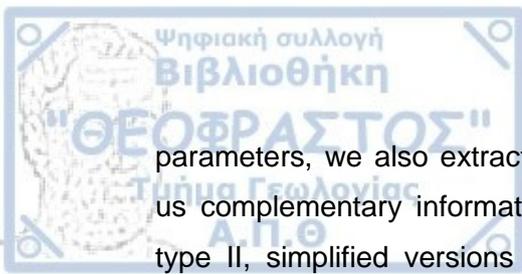
In particular the locality of Gerakarou-1 in Mygdonia Basin, northern Greece seems to have a very similar fauna with the locality of Dmanisi, especially concerning the carnivore taxa, and have both been dated at around 2.0–1.7 Ma (Ferring et al., 2011; Garcia et al., 2010; Konidaris et al., 2021; Koufos and Kostopoulos, 2016).

Gerakarou-1 is one of the few fossil-rich localities in the Mygdonia basin and the study of the material that was excavated is practically complete (Kostopoulos, 1996; Kostopoulos and Koufos, 1995 and ref. therein).

In Gerakarou-1 fauna, a small (*Croizetoceros ramosus gerakarensis*), a medium (*Cervus* sp.; only postcranial material) and a large (*Eucladoceros tegulensis*) cervid species co-occur. Three to four bovid species are also present: the small-sized *Antilope koufosi*, *Gazella bouvrainae* and the larger *Leptobos* cf. *etruscus*, as well as an unidentified bovid (Bovidae indet.), perhaps representing an early type of bison (Kostopoulos et al., 2018 and ref. therein). The fauna associates a large-sized suid (*Sus strozzii*) and a small-sized horse (*Equus altidens*) with hypsodont teeth (Gkeme et al., 2017; Kostopoulos and Athanassiou, 2003; Koufos, 1992a).

In order to interpret the paleodiet of those species we used their teeth. Teeth are usually one of the few skeletal elements found in abundance in the fossil record, and they are tightly related to the digestive tract and so the processes of ingestion and digestion (Calandra and Merceron, 2016). Another reason being, that we can correlate the morphology of a tooth with its function and thus the animal's diet (Lucas, 2004). Though tooth morphology is the result of not only environmental reasons, but also can be prior to phylogenetic adaptations (e.g., hypsodonty) and that is why we combine different proxies. In mammal paleontology, some of the most commonly used proxies to explore paleoecology are stable isotope signals from dental tissue (Ben-David and Flaherty, 2012; Martin et al., 2017, 2015; Merceron et al., 2021), dental microwear (Calandra and Merceron, 2016; DeSantis, 2016; Kaiser et al., 2016; Solounias et al., 2010; Ungar, 2015; Walker et al., 1978) and dental mesowear analyses (Fortelius and Solounias, 2000; Muhlbachler et al., 2011; Rivals and Semprebon, 2006; Stauffer et al., 2019). In this study we will be using the two latter, since these two proxies represent the records of the animal's meals in two different time scales. Molar mesowear analyses concerns macroscopical study of the morphology of the tooth cusps, reflecting the diet of the animal throughout its life (Ackermans et al., 2020a), whereas microwear corresponds to the diet of the animal during its last few days or weeks of life (Teaford et al., 2020; Teaford and Oyen, 1989; Winkler et al., 2020).

In this study we used extant species with known dietary habits as a reference in order to infer the feeding habits of seven extinct herbivore species belonging to sympatric populations from Gerakarou-1. We performed Dental Microwear Texture Analysis (DMTA) and apart from the Scale-Sensitive Fractal Analysis (SSFA)



parameters, we also extracted Surface Texture Analysis (STA) parameters, to give us complementary information. We also performed mesowear analyses using two type II, simplified versions of the original method as defined by Solounias et al. (2014), methodologies (Method Y: Muhlbachler et al., 2011; Method X: Rivals and Semprebon, 2006). But the classical mesowear methods define the cusp shape or even the final score qualitatively, which in turn can make them biased (subjective). The methods are scale-dependent, so for example a tooth of a grazing rhino and a tooth of a grazing cervid may both be sharp when compared to browsers of similar tooth size, but when compared with one another the shape will not look the same (Green and Croft, 2018). In addition, many mesowear methods are used and, in some cases, target only particular families, which in turn makes it hard to compare data from different studies (Ackermans, 2020). These being some of the reasons why we think that adding a quantitative dimension to the cusp shape scoring would be a beneficial contribution and propose a new method (Method Z). Method Z uses geomorphometry to quantify the cusp shapes, thus offsetting the biases of the classical qualitative methodologies, while not being specific to only one taxon or very time consuming, but offering the ability to compare data, with more accuracy and objectivity. Geometric morphometrics is an easy and accurate tool, that captures shapes and shape variations, and it has already been widely used in biological studies that aim at quantifying the morphological differences between forms (Bookstein, 1992; Klingenberg, 2013, 2011; Lawing and Polly, 2010; Richtsmeier et al., 2002; Sioban and Terhune, 2015).

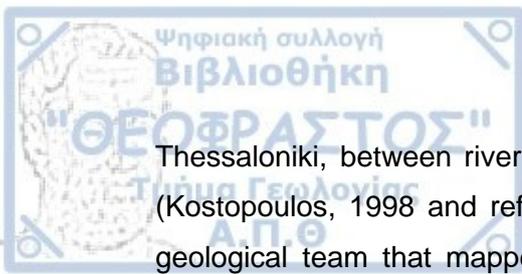
We then compared the results from Method Z with the two aforementioned widely used mesowear II methods, having applied all three in the same sample. We also compared the mesowear scores of the Gerakarou fossils and of the sympatric extant species from Bauges, with a database of extant ungulates that feed on C3-plants, using Method X, to investigate if locality differences affect the results.

Lastly, by comparing the results from the microwear and mesowear analyses, we draw conclusions on the dietary preferences of the extinct artiodactyls and the equid, which we then used to infer the paleoenvironment of Gerakarou-1 in the Early Pleistocene.

## **2. MATERIAL & METHODS**

### **2.1. Geological, paleontological and chronological settings**

The Greek fossiliferous locality Gerakarou-1 (GER) is situated in the Dervouna ravine of Mygdonia basin. The Mygdonia basin is located 10 km north-east from



Thessaloniki, between river Gallikos on the west and Strymonian Gulf on the east (Kostopoulos, 1998 and ref. therein; Fig.1A). It was first discovered in 1978, by a geological team that mapped the faults of the Mygdonian basin, emerged by the same year's Thessaloniki earthquake. It was excavated for about a decade originally by Emeritus Professor George D. Koufos and then by him and his collaborators. About 407 identifiable specimens were collected and studied (Kostopoulos, 1996; Koufos, 1986a, 1986b, 1992a, 1992b). The two most abundant groups of fossil mammals found in the locality are the artiodactyls (cervids, bovids, suids) and the equids, but there is also a variety of carnivores (Kostopoulos and Koufos, 1995; Koufos, 2001; Koufos and Kostopoulos, 2016). The locality is considered to have typical "Villafranchian" faunal elements, as well as a few more recent taxa, and it has been dated at before Olduvai event, 1.8 Ma (MNQ 18). Hence it is subsequent to the Plio-Pleistocene boundary (~2.58 Ma) and corresponds with the start of the Late Villafranchian, having been dated at ~2–1.8 Ma (Konidaris et al., 2021; Koufos, 2001; Koufos and Kostopoulos, 2016; Fig.1B).

Stratigraphically, the fossiliferous locality of Gerakarou-1 is placed in the upper part of the Gerakarou Formation (Koufos et al., 1995) that is one of the three lithostratigraphic units of the Pre-Mygdonian Group. Gerakarou Formation has the largest surface exposure in the basin, and is more than 100 m thick. It is made up of red-brown sands, gravels, sandy-silts and clays, deposited in a fluvio-terrestrial environment (Konidaris et al., 2015; Kostopoulos, 1996; Fig. 1C).

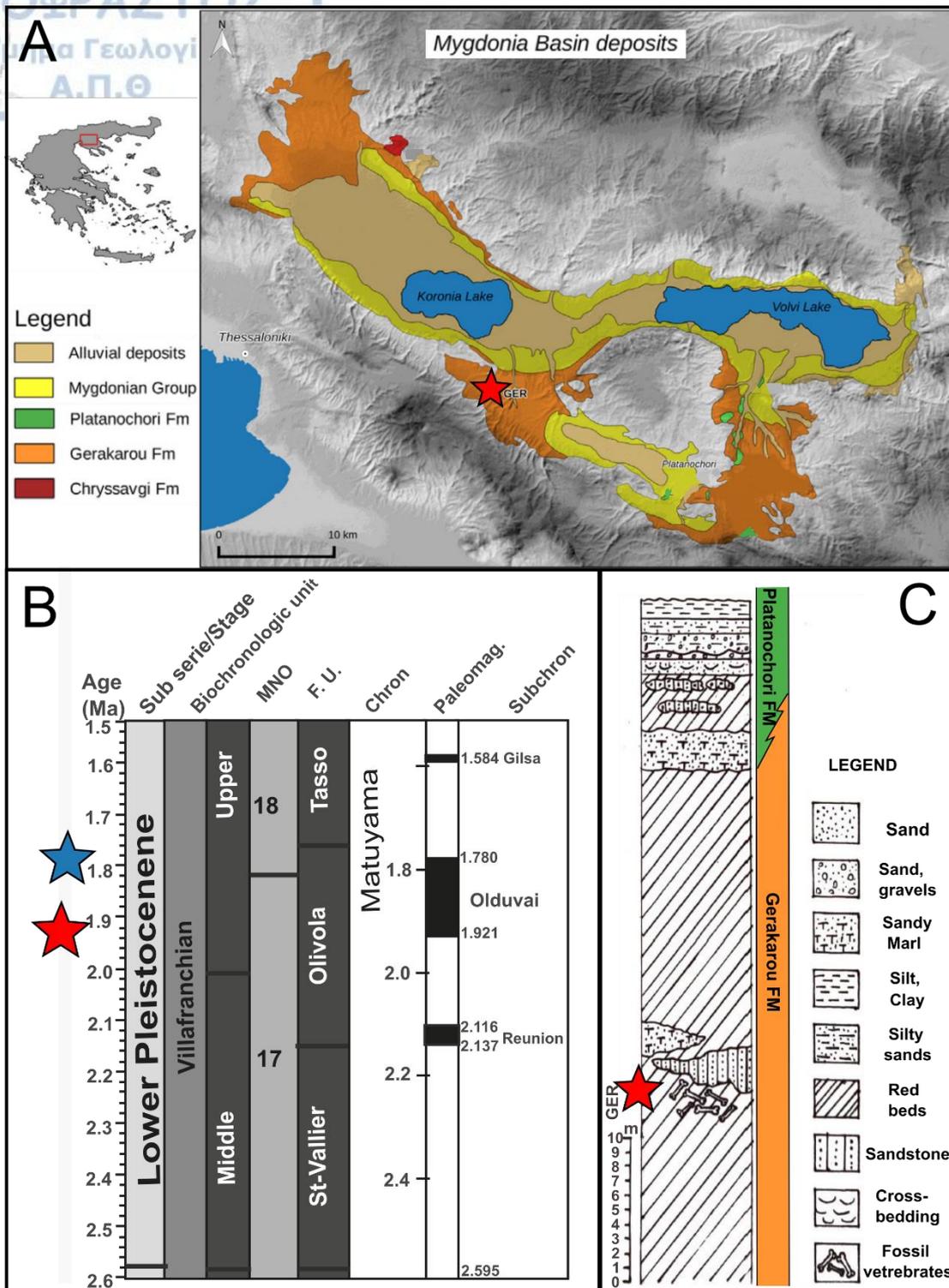


Figure 1: A) Geological map of the Mygdonia Basin (modified after Konidaris et al., 2015; data from Koufos et al., 1995) Red star represents the geographical location of Gerakarou-1; B) Chronology of localities Gerakarou-1 (red star; 2–1.8 Ma) and Dmanisi (blue star; 1.85–1.77 Ma) is the earliest date (modified after Berlioz et al., 2017; Fig.1); C) The stratigraphic column of Gerakarou FM, red star shows Gerakarou-1 (modified after Kostopoulos, 1996; Fig. 3-4).



The fossil material comes from the locality of Gerakarou-1 (Mygdonia Basin, Greece) and is housed in the Museum of Geology, Paleontology, Palaeoanthropology of the Aristotle University of Thessaloniki (LGPU; Greece).

In total, eight fossil species were analyzed for both dental microwear textural analysis and molar mesowear analysis (Table 1). The species studied are *Equus altidens*, *Leptobos cf. etruscus*, *Antilope koufosi*, *Gazella bouvrinae*, *Croizetoceros ramosus gerakarensis*, *Eucladoceros tegulensis* and *Sus strozzii*. An undetermined bovid is also reported whereas a medium sized cervid is not represented by dental elements. The list of specimens is given in SI Appendix A.

### **2.2.2. Extant Species**

We used extant species as comparative material (Table 1: datasets A and B) for the two approaches: dental microwear analysis and dental mesowear analysis (Methods X, Y, Z). All the extant species used for both methods have a sample size of 15 or above (Table 1: datasets A and B). These species have contrasted dietary preferences, ranging from grazing to mixed feeding to browsing habits, but they were all feeding on C3 plants.

#### **2.2.2.1. Extant for dental microwear textural analysis (Table 1: dataset A)**

First, we studied wild-shot animals from the species *Ovis ammon*, *Rupicapra rupicapra*, *Cervus elaphus* and *Capreolus capreolus*, all coming from the Bauges Natural Regional Park (BNRP; Alps; Merceron et al. ,2021).

We completed the modern comparative sample with wild-shot moose (*Alces alces*) from the Biebrza marshes, Eastern Poland (Poland; Berlioz et al. under review), wild-shot European bison (*Bison bonasus*) from the Białowieża Primeval Forest in Poland (Hermier et al., 2020; Merceron et al., 2014) and wild-shot semi-wild cattle (*Bos taurus*) from the Camargue, Rhone Delta (France; Hermier et al., 2020).

#### **2.2.2.2. Extant for dental mesowear analysis (Table 1: datasets A and B)**

For mesowear Methods X, Y and Z we used as comparative material the four sympatric species from the BNRP (Table1: dataset A). For Method X, we also used 14 extant species including six bovids and seven cervids (Table 1: dataset B) from the database published by Fortelius and Solounias (2000) and *Equus asinus* from

Blondel et al. (2010) and these species are from contrasted habitats and have contrasted diets (Table S3).

Table 1: The number of individuals that was used for the dental microwear (N) and molar mesowear Methods X (N(X)), Y (N(Y)) and Z (N(Z)) from each species; Diet; grazer (light green), mixed feeder (orange), browser (dark green) reference populations and analyzed fossils (black); (Dataset A: Berlioz et al., under review; Hermier et al., 2020; Merceron et al., 2014, 2021); (Dataset B: Fortelius and Solounias, 2000). \*Taken from Blondel et al. (2010).

				Microwear	Mesowear		
Family		Species	N	N(X)	N(Y)	N(Z)	
Fossils	Bovidae	GB <i>Gazella bouvrinae</i>	31	33	33	33	
		AK <i>Antilope koufosi</i>	3	3	3	3	
		BO Bovidae indet.	1	1	1	1	
		LE <i>Leptobos cf. etruscus</i>	1	1	1	1	
	Cervidae	CG <i>Croizetoceros ramosus gerakarensis</i>	33	28	28	28	
		ET <i>Eucladoceros tegulensis</i>	5	4	4	4	
	Equidae	EA <i>Equus altidens</i>	14	12	12	12	
Suidae	SS <i>Sus strozii</i>	1	-	-	-		
Extant (dataset A)	Cervidae	AA <i>Alces alces</i>	44	-	-	-	
		CE <i>Cervus elaphus</i>	21	38	38	38	
		CC <i>Capreolus capreolus</i>	18	22	22	22	
	Bovidae	RR <i>Rupicapra rupicapra</i>	21	25	25	25	
		OA <i>Ovis ammon</i>	22	26	26	26	
		BB <i>Bison bonasus</i>	24	-	-	-	
		BT <i>Bos taurus</i>	44	-	-	-	
Extant (dataset B)	Cervidae	Aa <i>Alces alces</i>	-	30	-	-	
		OI <i>Capreolus capreolus</i>	-	67	-	-	
	Bovidae	Bt <i>Budorcas taxicolor</i>	-	37	-	-	
	Cervidae	Cu <i>Cervus unicolor</i>	-	20	-	-	
		Cc <i>Cervus canadensis</i>	-	18	-	-	
	Bovidae	Om <i>Ovibos moschatus</i>	-	47	-	-	
		Tr <i>Boselaphus tragocamelus</i>	-	15	-	-	
		Ci <i>Capra ibex</i>	-	24	-	-	
		Ca <i>Carpicornis sumatraensis</i>	-	22	-	-	
	Equidae	Ea <i>Equus asinus</i> *	-	17	-	-	
	Cervidae	Ax <i>Axis axis</i>	-	43	-	-	
		Ap <i>Axis porcinus</i>	-	23	-	-	
		Cd <i>Cervus duvauceli</i>	-	49	-	-	
Bovidae		Tq <i>Tetracerus quadricornis</i>	-	20	-	-	

For the Bauges sample, we also have data regarding their age, date of death, as well as feeding preferences (through earlier stomach and feces content analysis and DNA barcoding analysis, as well as long term field observations; see Merceron et al., 2021 and ref. therein).

Mesowear and microwear may also differ in sample size as some specimens may have preserved dental microwear on dental facets, but their broken cusp tips forbade assess to the dental mesowear. Alternatively, a tooth with well-preserved cusp tips may have been post mortem abraded so that we cannot analyze dental microwear. Finally, in the case of the Bauges species and the Gerakarou-1 fossils, we also used for mesowear methods old and juvenile specimens, which were excluded from the microwear analyses (SI Appendix A).

### **2.2.3. Ecology of extant species used in DMTA**

#### **2.2.3.1. The four sympatric species (BNRP)**

According to Merceron et al. (2021) and ref. therein, *C. capreolus* of BNRP is a selective browser, feeding mainly on evergreen shrubs (60-44%), forbs (22-10%) and very low number of fruits (3.4-5.8%). *C. elaphus* is a mixed feeder with grazing habits feeding, on herbaceous monocots (50-60%), forbs (20-6%) and fruits (mainly apples), acorns (up to 20%), as well as herbaceous dicots (up to 20%). *R. rupicapra* and *O. ammon* are mixed feeders with the first having a bigger percentage of grasses in its diet (42-50% vs 32-40%). They also feed on forbs (22.4% vs 13.7%) and evergreen shrubs (19.6% vs 16.2%) or evergreen trees (17.5% vs 28.1%), with the first grazing and browsing depending on resource availability and the second having dicots as a secondarily food resource preference (Merceron et al., 2021 and ref. therein).

#### **2.2.3.2. The other species**

We have also three (non-sympatric) species that complete the DMTA reference database. *Bos taurus* from Camargues is a semi-wild variable grazer, feeding on tough vegetation (Hermier et al., 2020 and ref. therein). *Bison bison* from the Białowieża Forest is more of a mixed feeder than a grazer (Merceron et al., 2014 and ref. therein). Some *Bisons* are intensively-fed with access to supplementary feed and hay (3-5 times a week), some less intensively fed with hay (once a week), some feed only on the understory vegetation of the forest (fresh grasses, foliage, twigs, shoots, buds and fruits) and some individuals feed on agricultural crops (e.g., cereals) and shrubby forest vegetation (Merceron et al., 2014 and ref. therein). *Alces alces* from the Biebrza marshes is a selective browser with a diet dominated by hard tissues (up to 80% of lignified species of bushes and trees), feeding on buds, twigs, stems, fresh foliage, berries, bark and leaf-litter (Berlioz et al., under review and ref. therein).

### **2.3. Methods**

Both the modern and fossil material we analyzed were measured using the same methods of mesowear and microwear dental analyses. We excluded specimens with severely worn or unworn teeth. In both cases we used the M2/m2 of the specimens and in the cases when those were not available or were damaged, we used the best-preserved adjacent tooth, M1/m1 or M3/m3 (SI Appendix A).

### 2.3.1. Microwear

For the DMTA of ruminants we sampled the internal preparacrista (Fig. 2B; green circles), the external preprotocrista (Fig. 2B; red circles) and the external postprotocristid (Fig. 2B; blue circles), from all the upper and lower molars respectively (nomenclature according to Bärmann and Rössner, 2011; sampling according to Ramdarshan et al., 2017). For the equids we sampled according to Ramdashan et al. (2017), the antero-lingual facet of the paracone (Fig. 2C; green circles), the lingual facet of the paraconule (Fig. 2C; red circles) and the antero-labial facet of the protoconid (Fig. 2C; blue circles), from the first and second upper and lower molars respectively (nomenclature according to Evander, 2004; facet correspondance from Schulz et al., 2010).

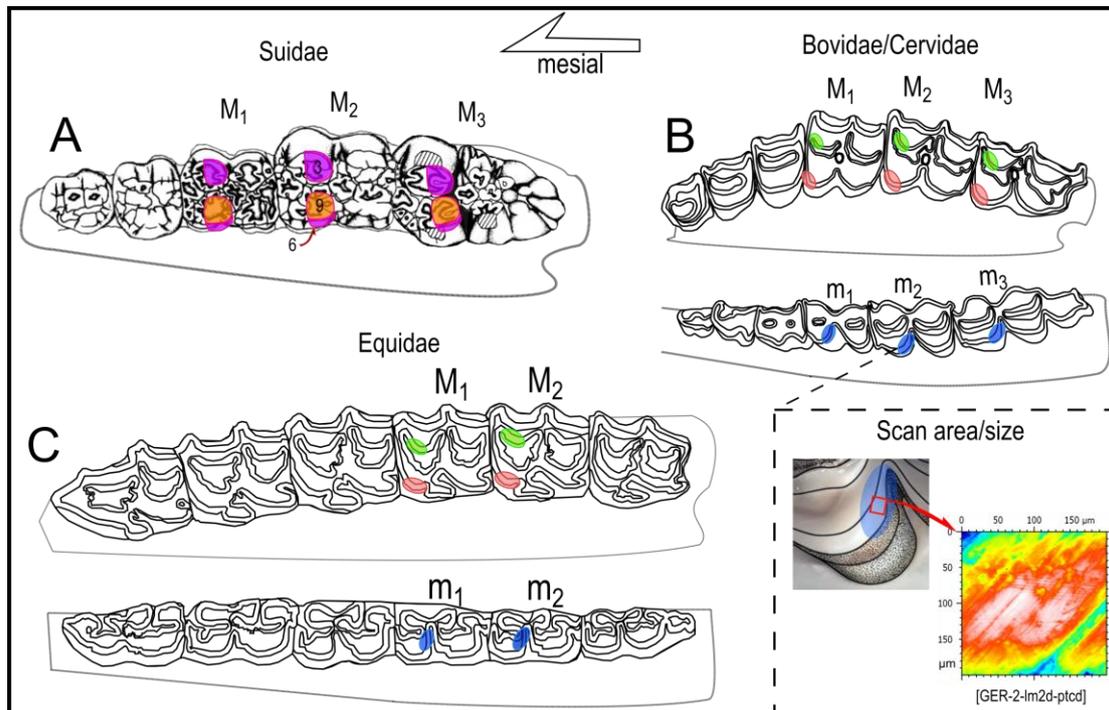
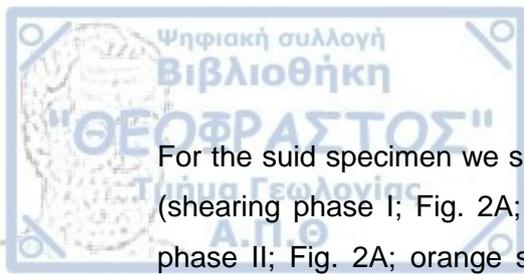


Figure 2: Dental facets scanned in each group, all toothrows are left (sin). The green sampling area corresponds to the mesio-lingual paracone facet of the upper molars, the red to the mesio-lingual protocone/paraconule facet of the upper molars, the blue the disto-labial protoconid facet of the lower molars (according to Ramdarshan et al., 2017). The purple to the facets 3,6 and the orange to the facet 9 (Merceron et al., 2005); A: Suidae, B: Bovidae / Cervidae, C: Equidae.



For the suid specimen we sampled facet 3 of the paracone, facet 6 of the protocone (shearing phase I; Fig. 2A; purple shapes) and facet 9 of the protocone (crushing phase II; Fig. 2A; orange shapes), from the upper molars; Sampling according to Merceron et al. (2005) and Souron et al. (2015) and nomenclature according to Kay (1977) and Thenius (1989).

We followed the standard procedures for the molding of the dental facets, after having cleaned them (a detailed description is available in SI: A1). We then scanned the facets directly on the molds (mirror image), using the confocal profilometer Leica DCM8 (TRIDENT) with a 100x objective at the Palevoprism lab (UMR 7262, CNRS & University of Poitiers), extracting from each scan a 200x200  $\mu\text{m}$  subsurface (Fig. 2; bottom-right). At this stage we excluded samples that were dusty, unworn or that showed signs of post-mortem alterations (Fig. 3: v) B).

After the acquisition of scanned facets and their pre-treatment according to Merceron et al. (2016a), we performed the Dental Microwear Texture Analysis (DMTA) following Scott et al. (2006), Calandra et al. (2012), and Kaiser et al. (2016), using Leica Map (v.8.0) to export Scale Sensitive Fractal Analyses (DMTA-SSFA) and Surface Texture Analysis (DMTA-ISO; International Organization for Standardization) parameters. Tfv (DMTA-SSFA) was extracted with the SFrax software (<http://www.surfract.com>). We also calculated disparities (SI: A2), see values in (SI Appendix B).

Lastly, we grouped facets that have the same functions during mastication (shearing phase II), which are the mesio-lingual protocone/paraconule facets of the upper molars (Fig. 2B and C; red circles) and the disto-labial protoconid facets of the lower molars (Fig 2B and C; blue circles), according to Ramdarshan et al. (2017). We excluded from the following statistics, the sample of *S. strozzii*, since its facets are different; we compared it with the suids studied by Souron et al. (2015) and Lazagabaster (2019). We also excluded the samples of Bovidae indet., *Leptobos* cf. *etruscus* and *Antilope koufosi*, due to the very low sample sizes for these groups. For the specimens that possessed more than one scan from the same facet, because we sampled two of their molars, or because we had both left and right molars (SI Appendix B), we decided to use their median. We then used the statistical program Past (v. 4.04; Hammer et al., 2001) and run the non-parametrical Kruskal-Wallis tests for equal medians (Table S1), because the data were not canonical. Followed by pairwise Dunn's post hoc (SI Appendix B2), used the Bonferroni p values, since they are more statistically constrained.

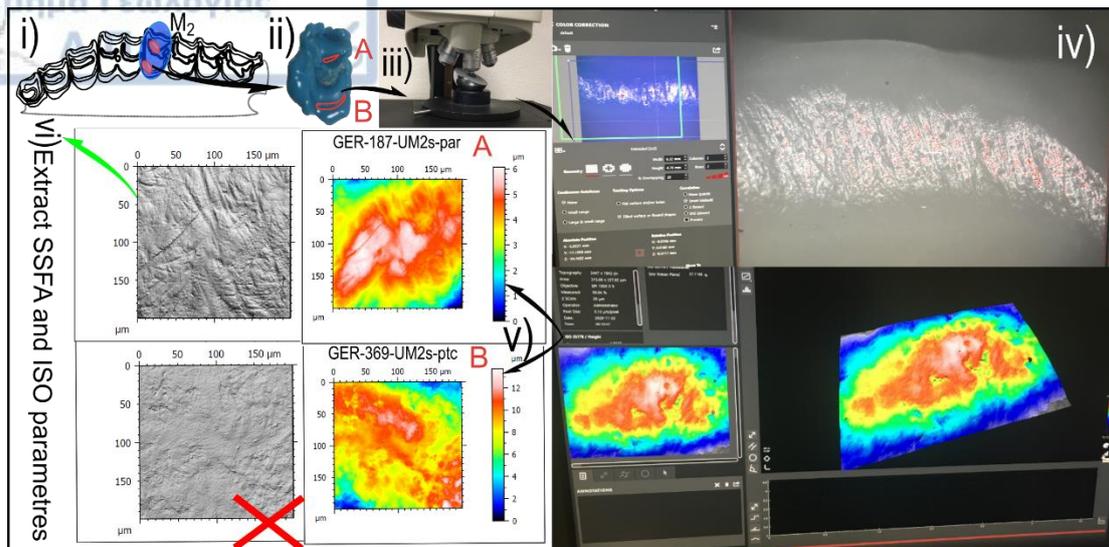


Figure 3: Steps followed for the DMTA (i-vi).; i) The area molded (blue) on the upper toothrow, with an indication of the two facets we scanned (red), on the UM2; ii) On the mold, the two facets we target on upper molars are circled in red iii) The confocal profilometer Leica DCM8 (TRIDENT), at the Paleovprim lab, scanning a precut dental facet; iv) Above we see the whole facet (x20 objective) and below the scan of the area we chose (x100 objective); v) The final scans: A was accepted and B was rejected, because of possible postmortem alteration; vi) All the dental microwear texture parameters of all the approved scans are then extracted.

### 2.3.1.1. Chosen Parameters

We have chosen to only focus on 12 DMTA (five SSFA and two of their disparities and five ISO) parameters (Table 2). We use mainly the SSFA parameters to infer the diets of the species, as they have been widely used and gave coherent results throughout different studies (i.e., DeSantis, 2016; Merceron et al., 2021; Scott et al., 2006). Their selection was done in regard to their statistical significance (Table S1). We then used the STA parameters to help further establish the species diets and better distinguish dietary habits (e.g., grass eating and tough leaf eating, which provide similar values in SSFA parameters). Since all ISO parameters were statistically significant (Table S1) we decided to restrict our analysis on the following five, which showed the best correlation with the diet of the extant species in our Database 1 (Table 1); worth to note that different studies have considered different ISO parameters as more important (Ackermans et al., 2020b; Kaiser et al., 2016; Lazagabaster, 2019). In this case, many ISO parameters plotted the extant species in the same way when using their means (e.g., Vvc same as Vmc, similar were also S5v with S10z, Sdq and Sdr; SI Appendix B1), thus we chose the parameters that helped to better identify the dietary differences between the studied extant species.

#### 2.3.1.1.1. SSFA Parameters

Complexity (Asfc) can distinguish hard and brittle foods from tough ones (DeSantis, 2016; Scott et al., 2012, 2006, 2005; Ungar et al., 2003). Such foods are seeds, fruits, bark or lignified plant parts (Merceron et al., 2014) and they give higher Asfc values (generate surface complexity) as they require more crushing force to be reduced, forming pits (Merceron et al., 2014, 2012; Ramdarshan et al., 2016; Scott, 2012; Scott et al., 2012; Solounias and Semperebon, 2002; Ungar, 2015; Ungar et al., 2007). For seeds in particular, more than their size and hardness, their particle size after mastication and the quantity of seeds ingested affect Asfc more (Merceron et al., 2017, 2014; Scott et al., 2012). The disparity of Asfc shows inter-individual differences in foods in regard to complexity.

The anisotropy (epLsar) on shearing facets is positively related with grass (abrasive) eating (grazers; DeSantis, 2016; Merceron et al., 2016b, 2014; Schulz et al., 2010; Scott, 2012; Scott et al., 2012) and also, with tough leaf eating (leaf-dominated browsers; Fortelius et al., 2002; Hedberg and DeSantis, 2017; Merceron et al., 2021, 2014, 2012, 2010; Ramdarshan et al., 2016). Both give a surface dominated by aligned striations. The epLsar is low, when the surface is dominated by pits (browsing with consumption of hard foods) and when the scratches are not oriented (diet of soft, non-tough foods like forbs; Ungar, 2015).

The heterogeneities H9 and H36 show the variety of the mechanical properties of the foods ingested in two different scales (3x3 and 6x6 cells), giving higher values in polytypic diets than monotypic and seed-free ones (Ramdarshan et al., 2016).

Lastly, high values of texture fill volumes (Tfv2, Tfv02) are controversial, as they have been linked with grazing (Merceron et al., 2016b), but also with browsing (Merceron et al., 2021; Scott, 2012). Tfv is also negatively correlated with seed size (Ramdarshan et al., 2016). The Tfv02 values increases with deeper or larger marks (pits) on the dental facets, a surface typical of diets dominated by harder foods (Berlioz et al., under review and ref. therein). The Disp-Tfv2 shows inter-individual differences in foods regarding the texture fill volumes.

Table 2: The SSFA (modified from Scott et al., 2006) and STA (modified from Calandra, 2011) microwear parameters used in this study, their names and a visual explanation of their changes from a lower to a higher value (modified after Merceron et al., 2014 and data from Scott et al., 2006; modified after <https://www.keyence.com/ss/products/microscope/roughness/surface/parameters.jsp>); \* We also used the disparity (Disp-Asfc, Disp-Tfv2).

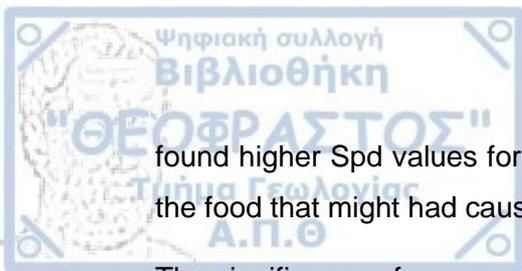
	Abrv.	Unit	Parameter Name	Value
SSFA	Asfc*	no unit	Area-scale fractal complexity	
	epLsar	no unit	exact proportion Length-scale anisotropy of the relief	
	H9/H36	no unit	Heterogeneity of the Area-scale fractal complexity (9 cells)/(36 cells)	
	Tfv02*	$\mu\text{m}^3$	Textural fill volume	
STA (ISO)	Sda	$\mu\text{m}^2$	close dale area	
	Spd	$1/\mu\text{m}^2$	density of peaks	
	Smr2	%	Valley material portion	
	Sdq	no unit	root mean square gradient of the scale limited surface	
	Str	no unit	texture aspect ratio	

### 2.3.1.1.2. STA parameters

The texture aspect ratio (Str) is the same as epLsar, but its values are opposite, high for non-tough/hard and low for tough. The mean dale area (Sda) is positively correlated with wide valleys, and valley material portion (Smr2) is negatively correlated with deep valleys (the higher the ratio the smaller the percentage of deep valleys), both give information about the consumption of hard food items like seeds or lignified plant parts (Calandra, 2011). The slope parameter (Sdq) was found to be positively correlated with particle size by Ackermans et al. (2020b).

Finally, the density of peaks parameter (Spd) is suggested by Kaiser et al. (2016; and ref. therein) to give information about the occlusal degree of freedom (ODF) that an animal has intrinsically (regardless of its diet), with grazers having higher scores as they have higher degrees of freedom than the rail like dentition of browsers.

Ackermans et al. (2020b) found that diets with abrasives of larger particle sizes, had increased Spd scores. Also, Berlioz et al. (under review), that compared different populations of moose and thus would not expect differences in Spd (same ODF),



found higher Spd values for the moose with leaf-dominated diets, but did not identify the food that might have caused that difference.

The significance of exogenous abrasives (dust, grit) in the dietary signal in microwear is quite debated, with some studies suggesting a more important impact (Hoffman et al., 2015; Martin et al., 2020), while others argue against it (Merceron et al., 2016b). The issue is reconciled by Ackermans et al. (2020b) who state that the size of grit may be the factor for the conflicting findings of the role of dust, since only very small grit was found to affect the dietary signal by having a “polishing effect”.

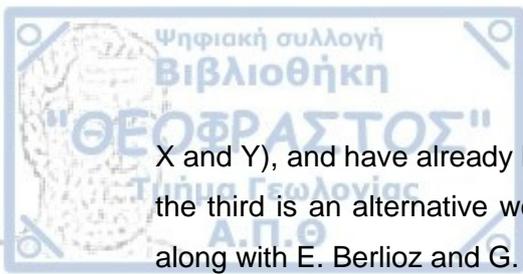
### **2.3.2. Mesowear**

For all the mesowear methods, we took lateral photos of the extant (Bauges) and fossil specimens, the labial side for the upper ones and the lingual side of the mandibles, focusing on the M2/m2. We reversed all the photos of left (sin) tooththrows. We used only one tooth per specimen; for the extant, the best-preserved 2<sup>nd</sup> or 1<sup>st</sup> permanent molar while for the fossils, we also used a few 3<sup>rd</sup> ones, though we tried to avoid them (SI Appendix C). The scoring of cusp shape for all the molars we scored was done in a magnification of x11 (following Blondel et al., 2010; Fortelius and Solounias, 2000).

A mesowear score was calculated for all specimens that had at least one properly preserved cusp. For the purposes of this study, we only used the specimens that had a well-preserved anterior tooth cusp (1<sup>st</sup>), as there were more in number (SI Appendix C) and for time efficiency, in regard to the exploration of Method Z. Also, in addition to adults (A) for which M3/m3 is fully erupted and M1/m1 is not very worn, we also analyzed some juveniles (J; meaning the M3/m3 is not (fully) erupted) and some older adults (O, where the M1/m1 is very worn). The two pre-scored databases (Blondel et al., 2010; Fortelius and Solounias, 2000) are said to contain only adult specimens.

Fortelius and Solounias (2000) observed that for a more accurate classification a number higher than 20 was required. That is not always possible in the fossil species, as in this case where we have most fossil species represented by less than 10 specimens (Table 1), in which case even a reasonable approximation might not be achieved. A high mesowear score is classically associated with a grazing diet (Fortelius and Solounias, 2000).

We used three mesowear methods, two of them are Mesowear II methods (simplified versions of the original mesowear method by Fortelius and Solounias, 2000; Methods



X and Y), and have already been widely used and discussed (Ackermans, 2020), and the third is an alternative we propose. The new method (Method Z) was developed along with E. Berlioz and G. Merceron.

#### **2.3.2.1. Method X (Fig. 4A); Rivals and Semprebon**

Method X calculates the mesowear score (Ms), by combining the occlusal relief (OR) and the cusp shape (CS). For the CS it scores both cusps of the tooth as one of 3 shapes (sharp, round, blunt). The sharpest cusp is kept and is combined with the scoring of the OR. The OR is scored as high or low, by measuring the vertical distance between a line that connects the two adjacent cusp tips and the valley's bottom. That distance is then divided by the maximum length of the tooth, giving the OR (Fig. 4A), which we measured with tpsDig2 (v 2.31; Rohlf, 2017) software. We scored 4 categories HS (high-sharp), HR (high-round), LR (low-round) and LB (low-blunt) according to Rivals and Semprebon (2006) with numbers 1 to 4, instead of their number scale of 0 to 3. This is the only method that was also compared with the two above mentioned reference databases (Table 1: database B), after we converted them (SI Appendix C1; SI: B1) to this scoring and we excluded the specimens with scoring of low and sharp (LS), according to the score explanations by Ackermans (2020).

#### **2.3.2.2. Method Y (Fig. 4B); Muhlbachler**

The second method applied is the modified scale by Muhlbachler et al. (2011), and is more simplified as we visually grade the cusp shape from 0 to 6, sharp to blunt (and 7 in case it is V shaped, usually found on Equids; Fig. 4B). In this case also we kept the lowest score between the anterior and posterior cusp (sharpest cusp).

#### **2.3.2.3. Method Z (Fig. 4C); novel method**

The third methodology we applied, is similar to the Method X, but we approach the cusp shape more objectively by using (2D) morphometric-geometry in order to describe quantitatively the shape of the cusp. Additionally, we did not assign the occlusal relief in high or low, but we use the same measurements for the height and length ratio of the molar (Fig. 4 C).

We carried out the following steps (for more details, refer to SI: B2; Fig. S1): firstly, making a photo file for each species with the TpsUtil (v 1.78; Rohlf, 2019) program, which we then opened with the tpsDig2 (v 2.31; Rohlf, 2017). There we measured the lengths (also used in Method X) and we placed 40 points along the curve of each cusp (39 equal segments; same for every curve) in x11 magnification (having already

added the scale), we did that for each picture. Those curve points were then made into 2D sliding semi-landmarks, using the TpsUtil (v 1.78; Rohlf, 2019), and after combining all the species in two files, one for the extant and one for the fossils (with the curves of the anterior cusps only) we used the tpsRelw (v.1.70; Rohlf, 2015) to create the final tps files, where the semi-landmarks were aligned. We then selected only the top 25% of the landmarks, using R software (v.4.03; The R Foundation for Statistical Computing, 2020). With the software MorphoJ (v. 107a; Klingenberg, 2011) we (1) ran a procrustes superimposition in order to focus only on the shape information (suppress size & orientation) (2) ran a PCA on extant specimens, and used the frozen PCA of the extant (3) to run a PCA for the fossils.

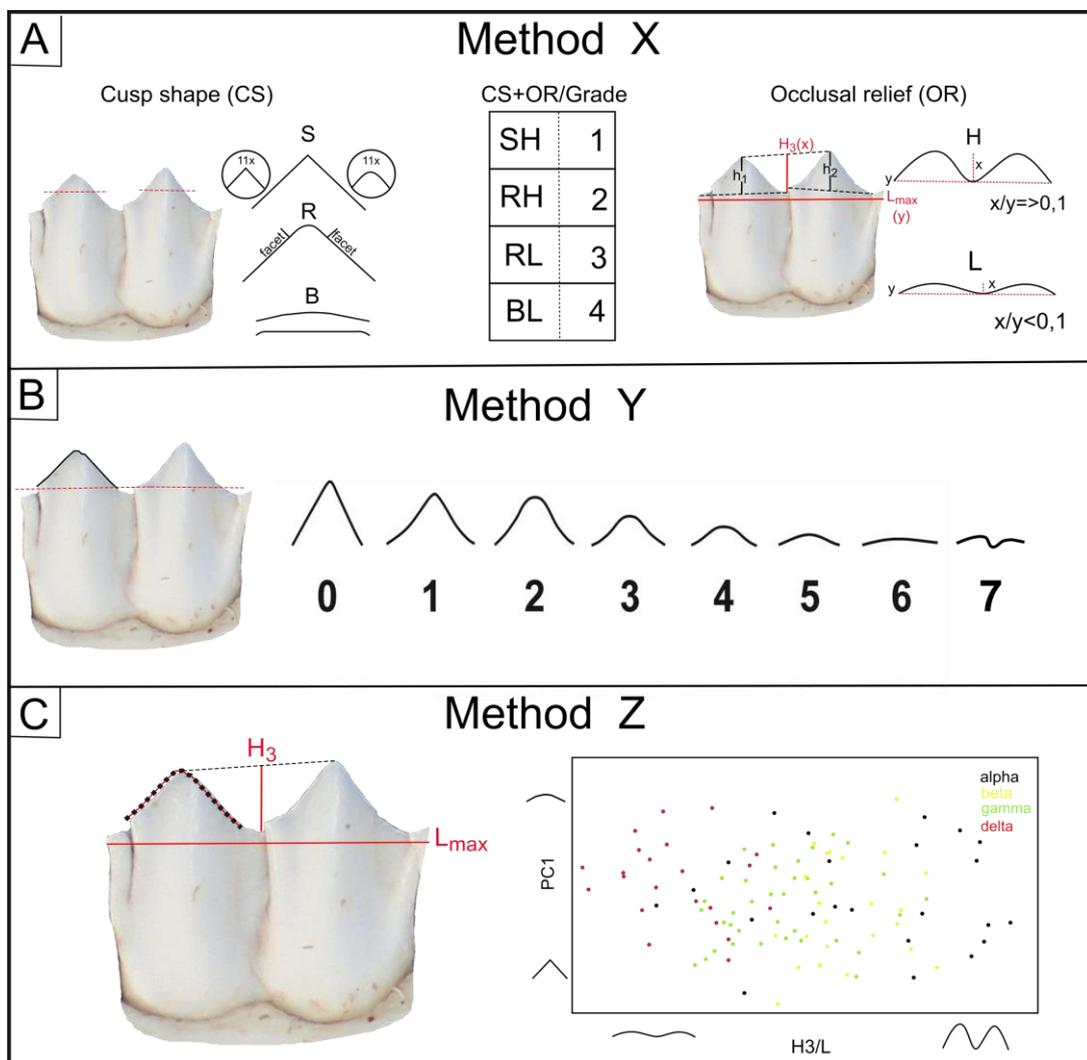


Figure 4: The three mesowear methods. A is Method X, by Rivals and Semprebon (2006). B is Method Y, by Muhlbachler et al. (2011) and C is Method Z, the new geomorphometric method we propose. H3 is the height from the valley to the mean height of a cusp; Lmax is the maximum length of the molar; S= sharp, R=round and B=blunt; H= high and L= low occlusal relief; The alpha, beta, gamma and delta in the graph (located in C on the right) are an example of how 4 different species would plot. All measurements, mesowear and cusp scorings were done in x12 magnification.

Lastly, the results were summarized in graphs (Fig. 4C; right side) made with Past (v. 4.04; Hammer et al., 2001) using the PC1 (64.26% of the total variance) and the H3/Lmax. In the graph, when going from right to left, the cusps are blunder, and when going from lower to higher, the occlusal relief is lower. So overall the signal is more grazing when going higher and left (in the graph). In all graphs the error bars (whiskers) represent the 95% confidence interval (CI) of the standard error of mean (SE). Confidence Interval (CI) was calculated with the following type:  $CI=SE*1.96$ .

### 3.Results

#### 3.1. Microwear

##### 3.1.1. Suids

For the single specimen of *S. strozzi* the values of the SSFA parameters are the means of both the second and third right upper molars' facets. For shearing phase I we used the mean of the f6 and f9 and for the crushing phase II the mean of the f3 (Fig. 2). The specimen's mean values were not statistically compared with the extant, since Souron et al. (2015) used a different procedure to extract the parameters and Lazagabaster (2019) calculated one mean composed by phase I and II (despite the fact that they are found to bear a different dietary signal; Louail et al., 2021).

As such the results should be considered with caution (Table 3). Phase I of the fossil has intermediate anisotropy (epLsar) and the lowest complexity (Asfc), while both heterogeneities (H9 and H81) are the lowest values present (Fig. 5; Table 3).

Table 3: Mean values of the microwear texture parameters for the fossil specimen of *Sus strozzi* from Gerakarou and the extant species that were used as a relative reference. Phase I is facet 3 & 6 and phase II is facet 9. See Table 2 for abbreviations of the microwear parameters.

	Species	N	Phase	SSFA Parameters				Tfv 2
				Asfc	epLsar	H9	H81	
	<i>Sus strozzi</i>	1	I	1.47	0.0040	0.24	0.45	45506
			II	1.30	0.0046	0.24	0.44	45767
Lazagabaster (2019)	<i>Hylochoerus meinertzhageni</i>	3	I & II	1.4	0.0064	0.66	4.31	28709
	<i>Phacochoerus</i> spp.	18	I & II	1.73	0.0046	0.62	1.33	40090
	<i>Potamochoerus larvatus</i>	23	I & II	5.24	0.0026	0.43	1.79	40653
	<i>Potamochoerus porcus</i>	6	I & II	9.07	0.0012	1.28	4.08	41991
Souron et al. (2015)	<i>Hylochoerus meinertzhageni</i>	5	I	1.71	0.0048	0.83	1.34	NO DATA
	<i>Phacochoerus africanus</i>	14	I	2.12	0.0041	0.44	0.72	
	<i>Potamochoerus</i> sp.	18	I	3.03	0.0033	0.71	0.98	
	<i>Sus scrofa</i>	27	I	3.57	0.0028	0.52	0.97	

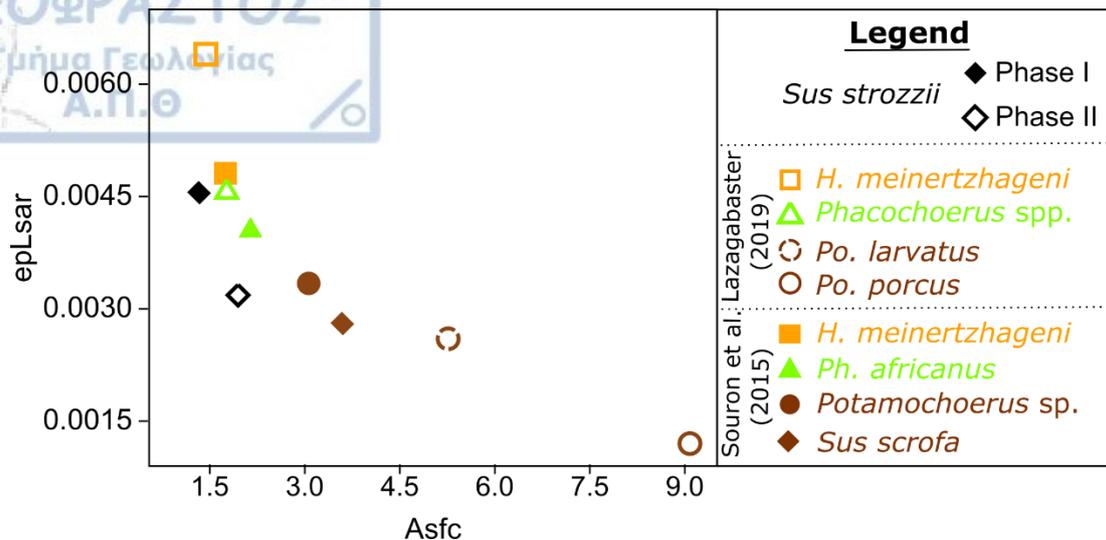


Figure 5: Bivariate plot of anisotropy ( $epLsar$ ) versus complexity ( $Asfc$ ), of the referenced extant taxa and the fossil taxon, using their mean values (Table 3); Green is for grazers, orange is for mixed feeders and brown for omnivores; H.=Hylochoerus, Po.=Potamochoerus, Ph.=Phacochoerus.

### 3.1.2. Other ungulates

#### 3.1.2.1. Univariate analyses between taxa

For the extant and fossil ungulate species, excluding *Leptobos cf. etruscus*, *Antilope koufosi* and the unidentified bovid specimen, the univariate analyses (Kruskal-Wallis test) showed that for all the SSFA and ISO parameters we have significant differences ( $p < 0.05$ ; Table S1) between species. That is also true for the disparities of complexity (Disp- $Asfc$ ), of texture fill volumes at coarse (Disp-Tfv2) and fine (Disp-Tfv02) scales, but not for the disparity of anisotropy (Disp- $epLsar$ ). Biplots (Fig. 6 and 7) represent species dispersion for every pair of parameters; the data used can be found in Table 4 for all groups except those with  $N < 5$  (table S2).

Using the Bonferroni corrected  $p$  values not all groups differed with one another (Table 5). Worth mentioning is that *A. alces* differs from all extant species but *B. bison*, while it differs the most from *B. taurus*. *C. capreolus* differs from both the moose and the semi-wild cattle in regards to Complexity ( $Asfc$ ), while it differs from *A. alces* but not from *B. taurus* concerning peak density ( $Spd$ ). The specimens of *E. altidens* differ the most from both the extant and the fossil. Despite not different from *B. taurus* in anisotropy ( $epLsar$ ) they differ in texture aspect ratio ( $Str$ ).

Table 4: The summary of the statistics of the microwear parameters for the extant and fossil taxa that we used in the statistical analyses; Table 2 for abbreviations of the microwear variables; Extant species: BT=Bos taurus, BB=Bison bison, RR=Rupicapra rupicapra, OA=Ovis ammon, CE=Cervus elaphus, CC=Capreolus capreolus, AA=Alces alces. Fossil species (gray): GB=Gazella bouvrainae, CG=Croizetoceros ramosus gerakarensis, ET=Eucladoceros tegulensis, EA=Equus altidens. N=number of specimens (facets used), SE=Standard error, SD=Standard deviation. Add here “\* corresponds to values multiplied by 10-3

		Extant Species							Fossil Species				
		BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA	
SSFA Parameters	Asfc	N	44	24	21	22	21	18	48	31	33	7	14
		Mean	1.57	2.34	1.79	2.02	1.36	2.61	4.10	2.26	1.42	3.62	1.52
		SE	0.14	0.33	0.21	0.19	0.13	0.59	0.47	0.32	0.12	1.94	0.24
		SD	0.95	1.60	0.97	0.88	0.57	2.49	3.25	1.77	0.68	5.14	0.88
	epLsar*	Mean	5.17	3.22	4.26	3.76	5.99	6.05	2.23	4.54	5.75	4.68	2.95
		SE	0.32	0.39	0.39	0.55	0.57	0.55	0.22	0.33	0.45	0.74	0.34
		SD	2.10	1.91	1.78	2.56	2.63	2.34	1.54	1.82	2.57	1.95	1.27
		Median	5.58	2.77	4.26	2.85	5.78	6.33	1.80	4.83	6.30	4.01	3.22
	H9	Mean	0.42	0.48	0.39	0.33	0.55	0.36	0.67	0.44	0.37	0.34	0.31
		SE	0.04	0.05	0.05	0.02	0.11	0.03	0.07	0.04	0.04	0.03	0.02
		SD	0.29	0.23	0.22	0.10	0.48	0.14	0.49	0.21	0.21	0.08	0.09
		Median	0.33	0.41	0.31	0.33	0.40	0.38	0.49	0.40	0.32	0.32	0.28
H36	Mean	0.58	0.73	0.60	0.48	0.70	0.52	1.04	0.65	0.53	0.50	0.42	
	SE	0.04	0.08	0.07	0.03	0.09	0.03	0.09	0.05	0.04	0.06	0.03	
	SD	0.28	0.38	0.31	0.12	0.43	0.14	0.64	0.27	0.25	0.15	0.11	
	Median	0.50	0.58	0.52	0.45	0.56	0.52	0.93	0.60	0.47	0.48	0.39	
Tfv.02	Mean	57476	57262	56047	54199	56341	55667	50570	63963	61738	70299	63108	
	SE	1510	2429	2672	3195	2229	4832	2522	1643	2349	6531	1325	
	SD	10013	11901	12244	14985	10214	20501	17472	9148	13496	17279	4960	
	Median	56917	58500	58660	53345	58551	58938	50463	64064	65554	67225	63595	
Disp-Asfc	Mean	0.21	0.31	0.22	0.25	0.18	0.43	0.40	0.30	0.22	0.40	0.26	
	SE	0.03	0.05	0.05	0.03	0.03	0.09	0.05	0.05	0.02	0.20	0.06	
	SD	0.22	0.26	0.21	0.15	0.14	0.38	0.34	0.28	0.13	0.54	0.24	
	Median	0.13	0.25	0.13	0.24	0.15	0.33	0.29	0.24	0.19	0.22	0.15	
Disp-Tfv2	Mean	0.21	0.26	0.32	0.44	0.24	1.08	0.83	0.16	0.29	0.18	0.15	
	SE	0.04	0.07	0.10	0.16	0.05	0.59	0.23	0.03	0.07	0.07	0.04	
	SD	0.26	0.33	0.46	0.77	0.24	2.52	1.56	0.15	0.38	0.19	0.14	
	Median	0.18	0.15	0.16	0.23	0.18	0.20	0.43	0.12	0.17	0.11	0.08	
Str	Mean	0.32	0.59	0.36	0.48	0.30	0.28	0.69	0.48	0.38	0.53	0.64	
	SE	0.03	0.04	0.04	0.05	0.04	0.04	0.03	0.03	0.04	0.08	0.05	
	SD	0.20	0.22	0.16	0.24	0.19	0.15	0.19	0.19	0.22	0.22	0.20	
	Median	0.27	0.66	0.31	0.48	0.28	0.24	0.75	0.49	0.31	0.60	0.63	
Spd*	Mean	6.06	3.21	2.88	4.66	3.94	4.62	1.67	5.27	5.95	5.40	7.40	
	SE	0.39	0.49	0.45	0.58	0.36	0.68	0.21	0.43	0.37	0.81	0.53	
	SD	2.59	2.42	2.06	2.74	1.65	2.89	1.48	2.40	2.15	2.13	1.97	
	Median	5.77	2.48	2.75	4.04	3.86	3.79	1.06	4.74	5.85	5.75	7.82	
Sdq	Mean	0.12	0.17	0.14	0.14	0.12	0.14	0.25	0.14	0.11	0.20	0.13	
	SE	0.01	0.01	0.02	0.01	0.01	0.02	0.02	0.01	0.00	0.07	0.01	
	SD	0.04	0.07	0.09	0.03	0.03	0.07	0.14	0.06	0.02	0.18	0.04	
	Median	0.11	0.15	0.12	0.13	0.11	0.13	0.21	0.13	0.11	0.14	0.11	
Sda	Mean	139.2	194.9	155.7	108.0	172.7	144.2	207.8	165.1	153.3	174.2	141.2	
	SE	6.43	15.89	18.25	6.68	13.50	9.63	11.11	9.71	9.44	19.70	8.18	
	SD	1.81	2.65	2.03	1.49	2.17	2.17	2.54	1.89	2.11	2.44	2.02	
	Median	85.4	83.1	83.7	83.6	83.2	83.8	82.3	84.3	84.3	86.3	86.6	
Smr2	Mean	85.2	82.7	84.1	83.4	83.3	83.1	82.2	84.7	84.4	85.1	86.5	
	SE	0.27	0.54	0.44	0.32	0.47	0.51	0.37	0.34	0.37	0.92	0.54	
	SD	42.7	77.8	83.6	31.3	61.8	40.8	77.0	54.1	54.2	52.1	30.6	
	Median	131.2	173.6	127.3	101.5	171.3	132.4	200.3	159.5	149.0	146.2	143.0	

Table 5: Significant differences between groups using Kruskal-Wallis tests for medians (extant and fossil taxa), showing the statistically significant parameters from the Dunn's post hoc tests when using the Bonferroni corrected p values, per pair: 1=epLsar, 2=Asfc, 3=Disp-Asfc, 4=H9,5=H36, 6=Tfv02, 7=Disp-Tfv2, a=Str, b=Spd, c=Sdq, d=Sda, e=Smr2; Extant species: BT=Bos taurus, BB=Bison bison, RR=Rupicapra rupicapra, OA=Ovis ammon, CE=Cervus elaphus, CC=Capreolus capreolus, AA=Alces alces. Fossil species: GB=Gazella bouvrainae, CG=Croizetoceros ramosus gerakarensis, ET=Eucladoceros tegulensis, EA=Equus altidens.

Species	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT	1, a, b, c, e	b	e	e		1, 2, 3, 4, 5, 7, a, b, c, d, e				a
BB	-		d	1, a	1, a			1		4, 5, b, e
RR		-				1, 2, 5, c, d	b	b		b
OA			-	d		4, 5, 7, b, c, d	d			e
CE				-		1, 2, 5, 7, a, b, c				1, a, b, e
CC					-	1, 2, 5, a, b, c				1, a, e
AA						-	1, 6, 7, a, b, c, e	1, 2, 3, 4, 6, 5, a, b, c, e	1, b	2, 4, 5, 7, b, c, e
GB							-			
CG								-		1, a
ET									-	

### 3.1.3.1. SSFA parameters

#### 1. Anisotropy (epLsar)

Concerning the extant species, the Biebrza moose has the lowest values of anisotropy, while the other two cervids along with the semi-wild cattle have the highest (Fig. 6a). *A. koufosi* has the highest epLsar values, even compared to the roe deer. *E. altidens* has the lowest epLsar (Fig. 6A) with its mean value plotting between the moose and the bison.

#### 2. Complexity (Asfc)

Among extant species, the moose has the highest value, the roe deer has the second highest and the semi-wild cattle and red deer the lowest (Fig.6a). *L. cf. etruscus* has the highest, from both extant and fossil taxa (Fig. 6A).

#### 3. Disparity of Complexity (Disp-Asfc)

In the extant, the roe deer has the highest, while the semi-wild cattle and the red deer the lowest disparities (Fig. 6b). From the fossils *E. tegulensis* has the highest, while *C. ramosus gerakarensis* is very constricted (Fig. 6B).

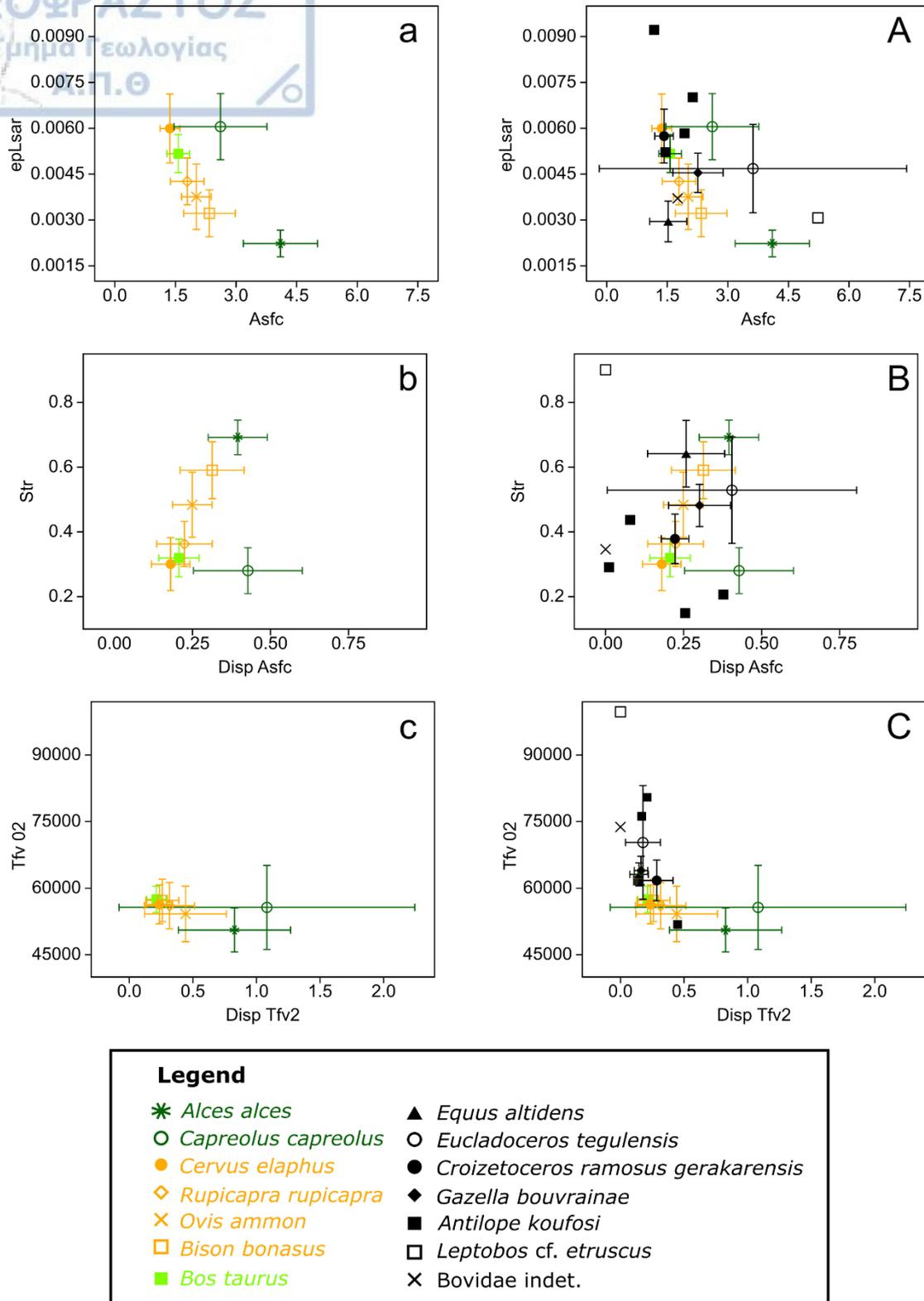


Figure 6: Bivariate plots of Asfc vs epLsar (a, A), Disp-Asfc vs Str (b, B) Disp-Tfv2 vs Tfv02 (c, C). For the extant species only (a, b, c) and for both the extant and fossil taxa (A, B, C). Each point represents the mean (Table 4), except for *Antilope koufosi*, *Leptobos cf. etruscus* and *Bovidae indet.*, for which each point represents the values of one facet (Table S2). Uncertainty crosses represent the 95% CI of the standard error (SE; Table 4). For abbreviations of the microwear parameters see Table 2. Colors are for grazers (light green), Mixed feeders (orange), browsers (dark green). Fossils are in black.

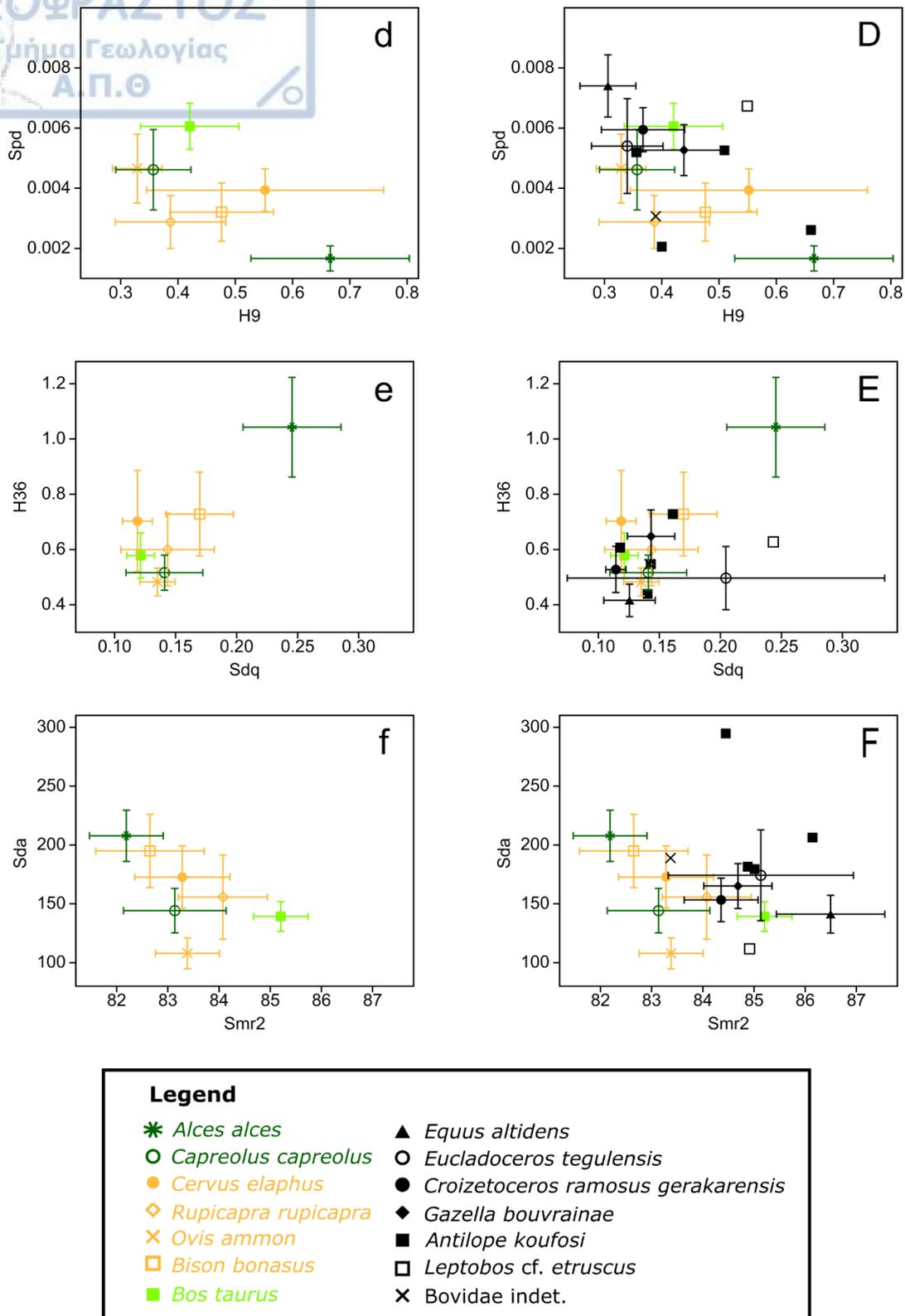
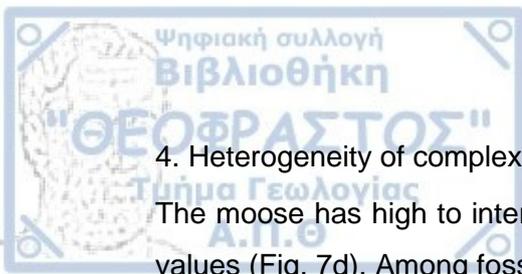


Figure 7: Bivariate plot of H9 vs Spd (d, D), H36 vs Sdq (e, E), Smr2 vs Sda (f, F). For the extant species only (d, e, f) and for both the extant and fossil taxa (D, E, F). Each point represents the mean (Table 4), except for *Antilope koufosi*, *Leptobos cf. etruscus* and *Bovidae indet.*, for which each point represents the values of one facet (Table S2). Uncertainty crosses represent the 95% CI of the standard error (SE; Table 4). For abbreviations of the microwear parameters see Table 2. Colors for grazers (light green), Mixed feeders (orange), browsers (dark green). Fossils are in black.



#### 4. Heterogeneity of complexity at 3x3-cells (H9)

The moose has high to intermediate values but the roe deer has intermediate to low values (Fig. 7d). Among fossils, *E. altidens* has the lowest values (Fig. 7D).

#### 5. Heterogeneity of complexity at 6x6-cells (H36)

We have almost the same order as in H9 for the extant, but the red deer has a lower value when compared with its value in H9 (Fig. 7e). Fossil species are also in similar order with H9 (Fig. 7 E).

#### 6. Fine-scale textural fill volume (Tfv02)

All the fossil taxa have higher mean values than the extant species (Figs. 6c and 6C).

#### 7. Disparity of the coarse-scale textural fill volume (Disp-Tfv2)

Only the roe deer followed by the moose have high disparities (Figs. 6c and 6C).

### 3.1.3.2. ISO parameters

#### A. Texture aspect ratio (Str)

The extant species have the same order as in epLsar but the trend is opposite so the moose has the highest and the roe deer the lowest (Fig. 6b). There are though some differences in the order of the mean values regarding the fossil taxa, with *L. cf. etruscus* having a high value. (Fig. 6B).

#### B. Peak density (Spd)

The moose has a low mean value, while the semi-wild cattle has high values (Fig. 7d). The fossil equid has the highest mean of all species (Fig. 7D).

#### C. Root mean square gradient of the scale limited surface (Sdq)

For the extant species, the moose has the highest value and the semi-wild cattle the lowest mean value (Fig. 7e). As for the fossils, *L. cf. etruscus* and *E. tegulensis* have the highest values, while *C. ramosus gerakarensis* the lowest, with the last two having opposite disparities (Fig. 7E).

#### E. Mean dale area (Sda)

The moose has high mean values, while the roe deer, the cattle and the wild sheep have low values; *E. altidens* has similar value to the cattle (Figs. 7f and 7F).

#### F. Valley material portion (Smr2)

*E. altidens* and the semi-wild cattle have high values, while the moose and the bison have low values (Figs. 7f and 7F).

### 3.2. Mesowear

#### 3.2.1. Bauges and Gerakarou localities

##### 3.2.1.1 Methods X and Y

For mesowear Methods X and Y the means of the Mesowear score (Ms) for each group, were different when using specimens of all ages vs only adult specimens (Tables 6 and S4; Fig. S2; SI Appendix C2), so we used only the results from the Ms of adult specimens (for these two methods), with the exception of the two juvenile specimen of Bovidae indet. and *L. cf. etruscus* (Fig. 8). The distances between the scores of other taxa with the equid as a whole, seem to be smaller in Method Y compared to in Method X (Fig. 8; Table 6), though they overlap in general. *C. capreolus* has one of the highest Ms from the extant of Bauges. *E. altidens* has the highest Ms, and along with *A. koufosi* they have the largest disparity of Ms. We see in Method X *R. rupicapra* has a lower Ms than *C. elaphus*, but in Method Y it has a higher Ms (Fig. 8).

Table 6: Means and standard errors (SE) of the extant and fossil specimens we analyzed, with the three mesowear Methods X, Y (only adults; except for *Leptobos cf. etruscus* and Bovidae indet.) and Z (all ages since age does not affect this method); N = sample size.

Species	N <sub>1</sub> (adults only)	Method X		Method Y		N (all ages)	Method Z			
							H3/Lmax		PC1	
		Mean	SE	Mean	SE		Mean	SE	Mean	SE
<i>Capreolus capreolus</i>	15	1.73	0.12	2.00	0.26	21	0.19	0.01	-0.0069	0.0101
<i>Cervus elaphus</i>	28	1.61	0.09	1.18	0.14	38	0.21	0.00	-0.0018	0.0093
<i>Ovis ammon</i>	9	1.56	0.18	1.22	0.32	26	0.23	0.01	-0.0085	0.0115
<i>Rupicapra rupicapra</i>	14	1.86	0.10	1.71	0.19	25	0.27	0.01	0.0175	0.0123
<i>C. ramosus gerakarensis</i>	14	1.29	0.13	1.21	0.26	28	0.16	0.01	-0.0111	0.0128
<i>Eucladoceros tegulensis</i>	4	1.00	0.00	0.75	0.25	4	0.18	0.02	-0.0528	0.0234
<i>Antilope koufosi</i>	3	1.67	0.33	1.67	0.67	3	0.17	0.02	0.0069	0.0144
<i>Leptobos cf. etruscus</i>	1	1.00	0.00	1.00	0.00	1	0.18	0.00	0.0970	0.0000
Bovidae indet.	1	1.00	0.00	0.00	0.00	1	0.23	0.00	-0.0933	0.0000
<i>Gazella bouvrinae</i>	15	1.20	0.11	0.80	0.22	33	0.15	0.01	-0.0135	0.0130
<i>Equus altidens</i>	8	3.13	0.35	3.63	0.71	12	0.06	0.01	0.0785	0.0458

##### 3.2.1.2. Method Z

The principal component analyses for the anterior cusp's shape showed that the first two PC together represent almost 90.00% of the variance (64.27% for PC1 and 23.11% for PC2), when comparing only the four extant taxa (Table S5). In the case of the fossils alone, the first two added together reached 78.40% (49.80% for PC1 and 28.60% for PC2). In both the shape variation for PC1 and PC2, was as shown in

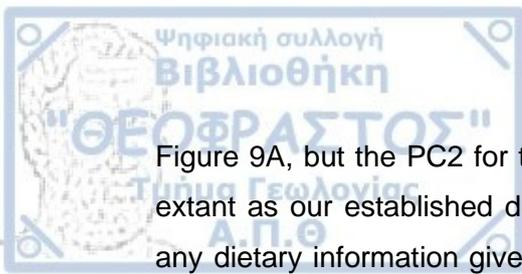


Figure 9A, but the PC2 for the fossils had the opposite trend. Thus, we can use the extant as our established diets framework to analyze the fossils without concealing any dietary information given by only the fossils, since in both groups the variances expressed the same shape variations. We used the frozen PCA scores from the extant to plot the fossil groups (PC1=43.98% and PC2= 30.57 % of variance; Table S5).

We also divided the species in three sub-groups each according to age, to see if we would have age differences (Figs. 9B.1 and 9B.2; Table S4). We observe that for the PC1 in some species the juveniles have higher mean scores than the adults and older specimens, but *E. altidens* shows the opposite trend, while *C. elaphus* and *G. bouvrinae* have their old and young individuals plotting near and higher than the adult ones. Though the mean values of the Ms of Method Z were not affected by adding all the ages instead of using just the adult specimens. Hence, we used the means of all the ages in Method Z (Table 6; Fig. 9C).

The final plot “mesowear score” of Method Z is composed by the shape change (PC1) versus the occlusal relief (Fig. 9C). To see if either of these two variables could significantly differentiate among the taxa groups (excluding Bovidae indet. and *Leptobos cf. etruscus*), we run a Kruskal-Wallis test. PC1 had a p value of 0.002 and H3/Lmax had a p value of 3.7E-21, thus they are statistically significant. PC2, with a p value of 0.1183, is not. The results of the Dunn post-hoc tests using Bonferroni corrected p-values (Table 7; SI Appendix C3), show that most species are different in regard to the occlusal relief (H3/Lmax) and cusp shape (PC1) only differentiates *E. altidens* from the other species.

Similarly, to the other two methodologies *E. altidens* has the lowest cusps from all taxa present, probably due to its dental morphology, (Fig. 9C) and *E. tegulensis* has a very variable cusp shape that covers the means of all species except that of *E. altidens*. When looking at the extant species, *C. capreolus* has the highest cusp shape and *O. ammon* comes second.

### 3.2.2. Various localities (Method X)

For the comparison of species belonging to different localities using Method X, in order to follow the same protocol as the data we took ready from the reference dataset B (Table 1), we only used Ms scores of adult specimens for the means, excluding the juveniles of Bovidae indet. and *L. cf. etruscus* (Tables 6 and S3; Fig. 10). The grazing species *Axis porcinus* and *Tetraceros quadricornis* have mean Ms similar to the Bauges extant species, which are not grazers (Fig. 10). *Axis axis* and

*Cervus duvauceli* although they are considered grazers, they only reach up to a Ms of 2.5, the lower Ms of *E. altidens*.

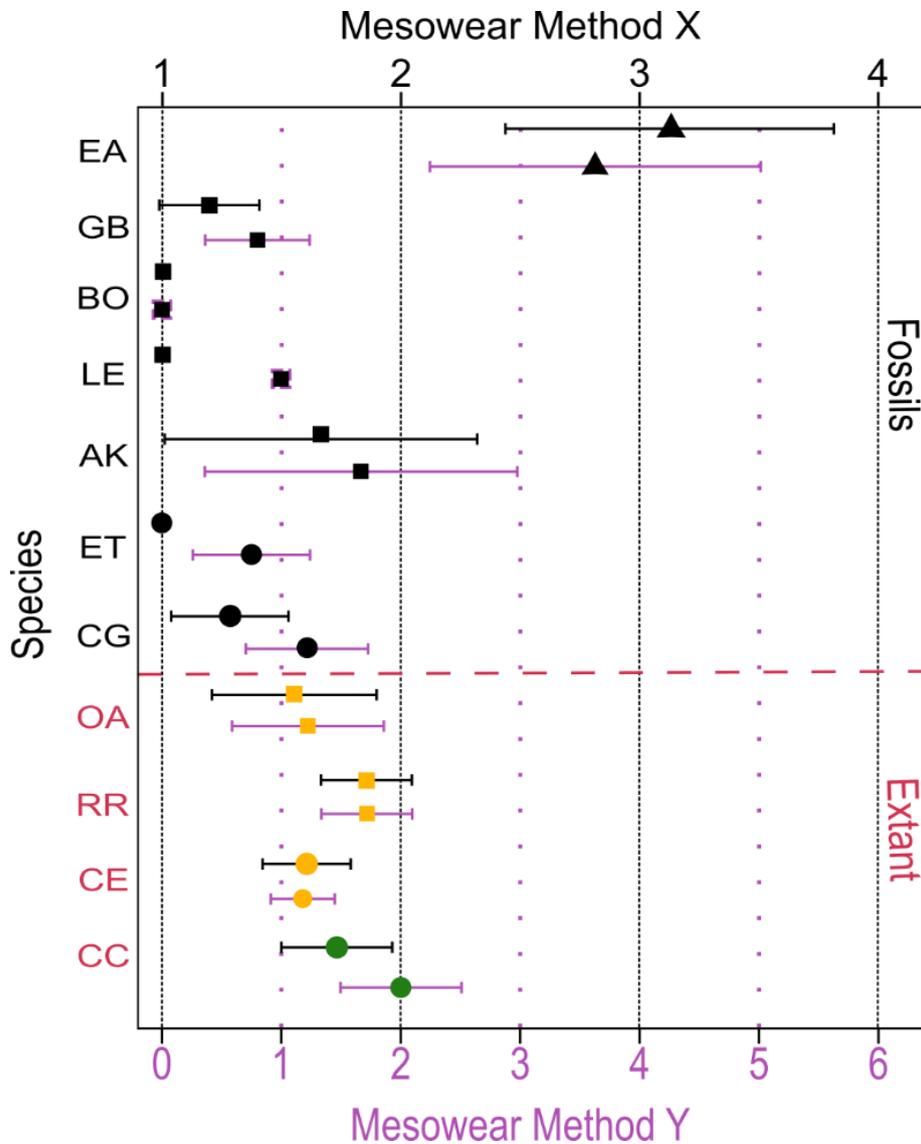


Figure 8: Plot of the studied extant and fossil taxa scored according to Rivals and Semprebon (2006; Method X: black lines) and according to Muhlbacher et al. (2011; Method Y: purple lines). Each point represents the mean (only adults; except BO and LE) and the lines represent the 95% Confidence Interval of the standard error (SE; table 6); Extant species: RR=Rupicapra rupicapra, OA=Ovis ammon, CE=Cervus elaphus, CC=Capreolus capreolus. Fossil species (gray): GB=Gazella bouvrinae, CG=Croizetoceros ramosus gerakarensis, ET=Eucladoceros tegulensis, EA=Equus altidens, BO= Bovidae indet., LE=Leptobos cf. etruscus, AK= Antilope koufosi. Mixed feeders (orange), browsers (dark green); Cervids: circle, bovids: square, equids: triangle.

Mesowear Method Z

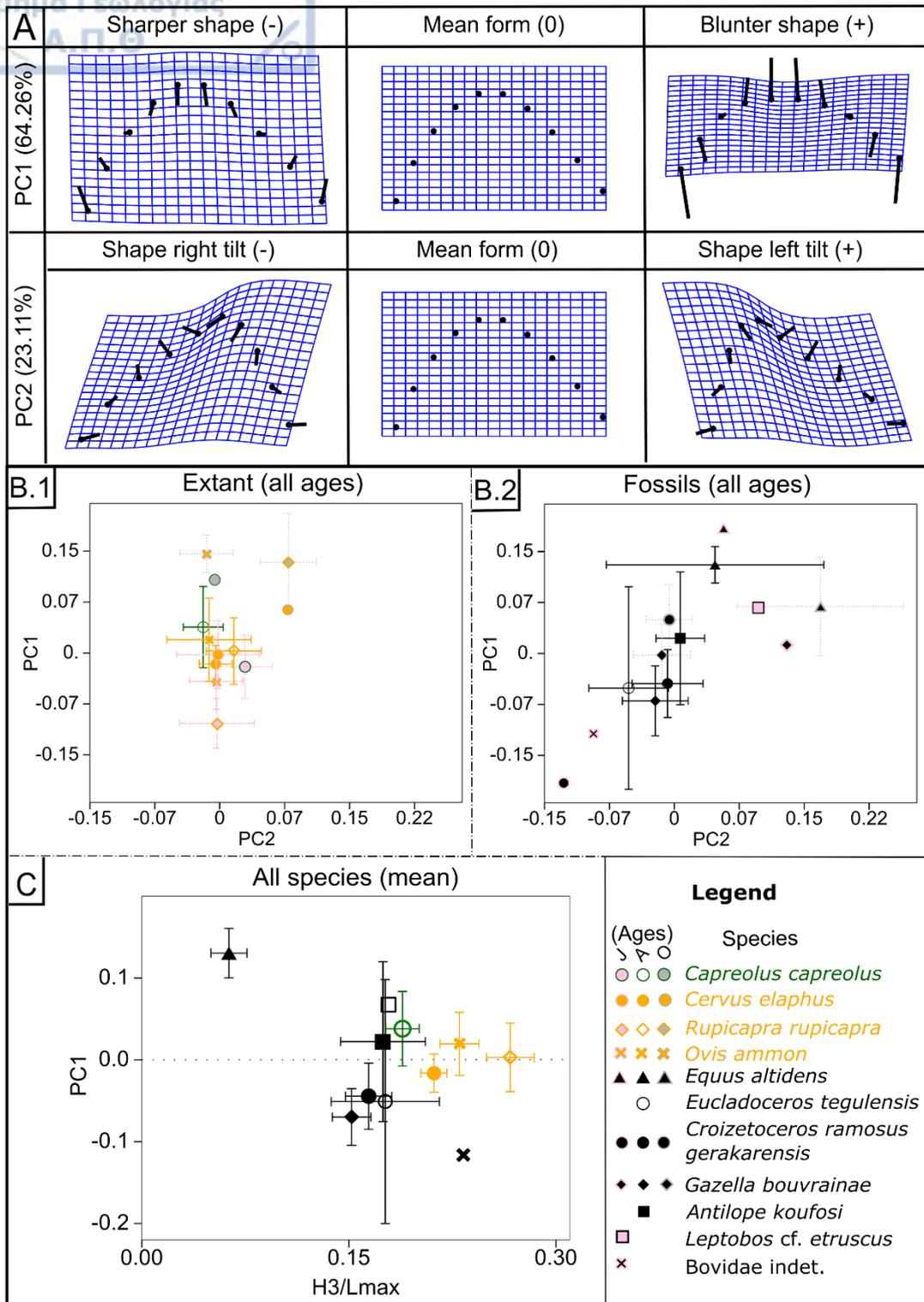


Figure 9: A) A representation of how the cusp's shape changes along the PC1 and PC2 for the extant specimens (Table S5); B) Bivariate plot of PC1 and PC2 of the anterior cusp's shape for the extant (1) and fossil (2) specimens, plotted using the frozen PCA scores of the extant. There are up to three different representations of each taxon depending on the age class. Divide into juvenile, adult and old (J, A, O); C) Bivariate plot of the PC1 versus the H3/Lmax; Each point represents the mean (all ages) and the lines represent the 95% Confidence Interval of the standard error (SE; Table 6); Mixed feeders (orange), browsers (dark green).

Table 7: Significant differences between groups (extant and fossil taxa) for method Z. PC1 ( $p=0.002352$ ) and H3/Lmax ( $p=3.718E-21$ ) from Kruskal-Wallis test for equal medians. The statistically significant parameters from the Dunn's post hoc tests using the Bonferroni corrected  $p$  values, are shown; Extant species: RR=Rupicapra rupicapra, OA=Ovis ammon, CE=Cervus elaphus, CC=Capreolus capreolus. Fossil species (gray): GB=Gazella bouvrainae, CG=Croizetoceros ramosus gerakarensis, ET=Eucladoceros tegulensis, EA=Equus altidens, BO= Bovidae indet., LE=Leptobos cf. etruscus, AK= Antilope koufosi.

Species	OA	CE	CC	GB	AK	CG	ET	EA
RR			H3/Lmax	H3/Lmax		H3/Lmax		H3/Lmax, PC1
OA	-			H3/Lmax		H3/Lmax		H3/Lmax,
CE		-		H3/Lmax		H3/Lmax		H3/Lmax, PC1
CC			-					H3/Lmax
GB				-				PC1
AK					-			
CG						-		PC1
ET							-	

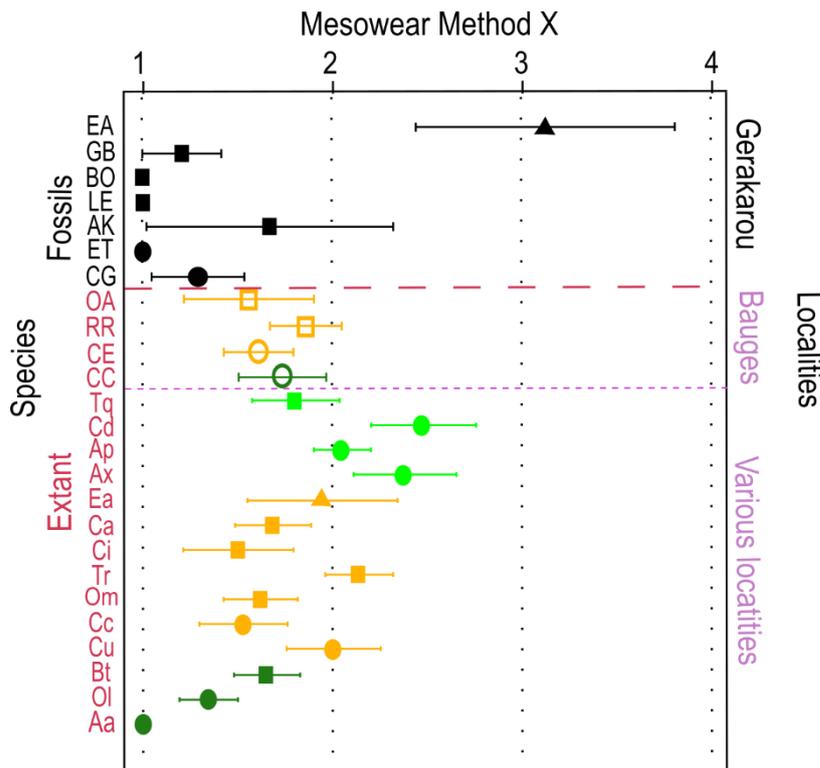


Figure 10: Comparison between the extant taxa from contrasted habitats that were taken from Blondel et al. (2010) and Fortelius and Solounias (2000) and the studied extant sympatric taxa from Bauges (Merceron et al., 2021), and the sympatric fossil taxa from Gerakarou-1, Greece, using the Mesowear Method X. Each point represents the mean (only adults; except for BO and LE) and the lines represent the 95% Confidence Interval of the standard error (SE; Tables 6 and S3); Species' names can be found in Table 1; Mesowear scores can be found in Table S3 (Blondel et al., 2010; Fortelius and Solounias, 2000). Grazers (light green), Mixed feeders (orange), browsers (dark green). Cervids: circle, bovinds: square, equids: triangle.



#### **4.1.1. Parameters in relation to diets of extant**

##### **4.1.1.1. SSFA Parameters**

The mean value of  $Asfc$  for the moose is higher than the semi-wild cattle (Fig. 6a), with statistical significance. That is to be expected as the cattle being a grazer consumes mainly grasses, which are not hard or brittle (Merceron et al., 2014 and ref. therein), whereas the moose browses on bark, twigs, stems, berries (all of which are hard or brittle) and softer ones like fresh-foilage, buds, leaf-litter (Berlioz et al. under review and ref. therein). The browsing roe deer from Bauges that eats dicots tough leaves, evergreen forbs, and shrubs and eats a tiny quantity of fruits (6%), is intermediate of the two (Merceron et al., 2021 and ref. therein). It also has a higher value of  $Asfc$  from the red deer, that eats more fruits and acorns, still though its biggest food source are grasses and forbs as it is a mixed feeder with grazing habits (Merceron et al., 2021 and ref. therein). The reason of the higher complexity in the roe deer is probably that it also consumes small lignified plant parts when cutting the leaves, as well as the quantity of grasses consumed by the red deer erase most of the pits left by the small portion of more brittle foods (fruits, seeds).

When looking at the mean values of  $epLsar$  for the moose, the wild sheep, the roe deer and the semi-wild cattle (Fig. 6a), the last two, which feed on mainly tough-foilage and grass respectively, have high values. In contrast, the moose that feeds on hard items and the wild sheep that feeds of evergreen shrubs, forbs (soft non-tough) and grass, have lower values (Berlioz et al., under review; Merceron et al., 2021; and ref. therein).

The roe deer shows inter-individual differences in foods (high  $Disp-Asfc$ ; Fig. 6b), since some individuals feed on soft-tough foods and others ate fruits (Merceron et al., 2021). Similarly, the European bison, has a high value of  $Disp-Asfc$ , as it feeds with a variety of foods (eating mainly hay or forest vegetation or crops; Merceron et al., 2014 and ref. therein).

The difference in the values of heterogeneities  $H9$  and  $H36$  between the moose and the cattle (Figs. 7d and 7e), show the difference in the mechanical properties of their food resources. Even when non-significant statistically (roe and red deer), the low  $H9$  or  $H36$  combined with high  $Asfc$  and  $Disp-Asfc$ , suggest a small home range (roe deer; Merceron et al., 2021).

Lastly, the mean values of texture fill volumes (Tfv2, Tfv02) for the extant species in this study, seem to agree with browsing and especially diets containing more hard food items, giving higher values (Fig 6c). Though none of the extant species are differentiated by the Tfv02 with statistical significance. The Disp-Tfv2 shows inter-individual differences; as in the case of roe deer and moose, we have individuals eating seeds or hard food items and others eating more soft ones (Fig. 6c).

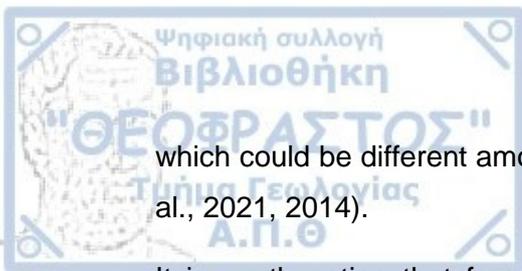
#### 4.1.1.2. STA parameters

The texture aspect ratio (Str) is the same as epLsar (Calandra, 2011), but its values are opposite, with red deer and semi-wild cattle that feed on tough leaves and grasses having small Str values, while moose with a diet dominated by hard foods showing a higher value (Fig. 6b).

The moose and the bison both have high values of Sda and low values of Smr2 (Fig. 7f). The moose eats hard large foods and seeds (Berlioz et al., under review and ref. therein), and bison also eats fruits, twigs, cereals (Merceron et al., 2014), all of which lead to pitting patterns and deep valleys. As such roe deer and cattle that have mostly seed-less diets show the opposite trend (Fig. 7f). The wild sheep which is a mixed feeder that equally feeds with grasses and shrubs, fords, conifers (Merceron et al., 2021 and ref. therein), has the lowest mean value for Sda (Fig. 7f). This result differs from the Asfc, suggesting perhaps that Sda gives more info about seed eating rather than general hard and brittle food items. As in the paper by Kaiser et al. (2016; and ref. therein), where the giraffe, whose diet was greatly composed by seeds, had the highest Sda.

For the slope parameter (Sdq) of the extant species (Fig. 7e), we see that the moose and the bison have great mean values and the most grazing ones, that feed mainly on grasses (the semi-wild cattle and the red deer), have significantly lower mean values. So, we could say it is negatively correlated to grazing habits or particle size as suggested by Ackermans et al. (2020b), since silica phytolith sizes are very small (5-50  $\mu\text{m}$ ; Lucas et al., 2008).

Finally, the density of peaks parameter (Spd) of the extant species shows (Fig. 7d; Table 5) that the browser moose, differs with statistical significance from the grazing semi-wild cattle, but also from the roe deer (another browser). Perhaps particle size also affects the Spd (Ackermans et al., 2020b), but the particles consumed by the roe deer should be smaller than the ones consumed by the moose (judging by the other parameters; Figs. 6 and 7). Another factor that could play a role is the dust, or grit,



which could be different among those three localities (Berlioz et al., n.d.; Merceron et al., 2021, 2014).

It is worth noting that from the extant species the moose is the only one that is anatomically disabled from feeding from the herbaceous layer (grasses and forbs; Shipley, 2010) and the cattle is the only grazer (Merceron et al., 2014 and ref. therein), the rest of the extant taxa are mixed feeders, found to be able to alternate their diets and the quantity of grasses or foliage or fruits they can.

Thus, we could propose that in the case of the mixed feeders (or possible anatomically mixed feeders) other parameters could also affect the Spd, apart from occlusal degree of freedom (ODF; Kaiser et al., 2016). So Spd could imply in cases that a species had a certain ODF, such as way dominated chewing system like multiple-ridge shearing system (found in e.g., *Equus*) or more rail-like as in browsers, as it was first supported by Kaiser et al. (2016).

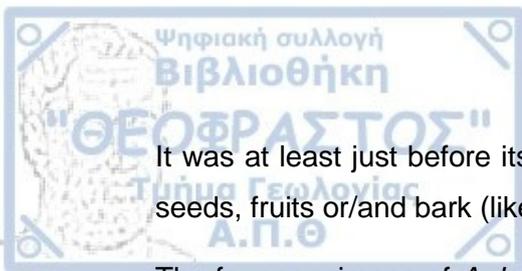
#### 4.1.2. Inferred diet of fossils

##### 4.1.2.1. Ungulates

The textural fill volume of all fossils has higher values than all the extant species (Fig. 6B), thus it is perhaps affected by another factor apart from diets, which remains unidentified. Disp-Tfv2 for all fossils is pretty small (Fig. 6B), so whatever factor affected the Tfv02 of the fossils, was the same for all, and as such those two parameters did not give us much information.

The unidentified bovid indet. specimen seemed to be feeding before its death, with mostly non-tough and soft (low epLsar and Asfc; Fig. 6A) food items that were mechanically similar (H9, H36 low; Figs. 7D and 7E). The wide and percentage-wise more deep valleys (high Sda, low Smr2; Fig. 7F), combined with the dominance of scratches over pits (high Str; Fig. 6B), but an overall leveled surface (low Sdq; Fig. 7E), suggest the presence of smaller but harder food items in its diet, perhaps seeds or twigs. The low Spd could portray a reduced ODF. Overall, that individual acted as a mixed feeder like *R. rupicapra* or *O. ammon* at least a few days before its death, feeding on both grasses (bigger percentage) and forbs, shrubs and occasionally big seeds (like *C. elaphus*) or more lignified plant parts (like *B. bison*).

The single *L. cf. etruscus* specimen had a diet containing a large amount of hard, non-tough food items (high Asfc, Str and low epLsar; Fig. 6A), like seeds and lignified plant parts. That had probably big particle sizes (high Spd, Sdq, low Sda and intermediate Smr2; Figs. 7D-F), since it has semi-wide and deep valleys in majority.



It was at least just before its death a frugivore-browser, eating a very big quantity of seeds, fruits or/and bark (like *A. alces*) apart from browsing on foliage.

The four specimens of *A. koufosi* had variable diets (inter-individual differences, high Disp-Asfc; Fig. 6B). But were feeding on mostly tough/abrasive and soft foods (low Asfc, Str and high epLsar; Fig. 6A and 6B), that were slightly mechanically different (high H9, low H36; Figs. 7D and 7E). The overall particle size of the foods was small (low Spd, Sdq, Smr2 and high Sda; Figs. 7D-F) as it has wide but mostly shallow and less pronounced slops. It was probably a mixed feeder with grazing habits, feeding on mainly grasses with some eating more forbs (herbaceous dicots) and fruits like *C. elaphus*.

The *G. bouvrinae* had a diet composed of food of medium toughness and hardness for all individuals (intermediate Asfc, epLsar, Str and low Disp-Asfc; Figs. 6A and 6B). The food was not mechanically different and the valleys are not very wide or deep indicating medium particle sizes, further supported by the less pronounced slops (low H9, H36, Sda, Sdq and high Smr2; Figs. 7D-F). The Spd mean value is high but could show more the ODF than particle size. We assume that it was also a mixed feeder, most likely with a diet comparable to *R. rupicapra* and *O. ammon*, feeding on both grasses and herbaceous forbs, shrubs and even evergreen foliage and a very small portion of either fruits or seeds of medium particles size.

*E. altidens* seems to have one of the softest and least abrasive/tough diets, eating mechanically similar foods, with its diet not vastly varying between individuals (low Asfc, epLsar, H9, H36 and high Str, Disp-Asfc; Figs. 6A, 6B, 7D and 7E). This is also suggested by the levelness of its surface, which seems to be dominated by shallow, non-wide valleys and a high peak density (low Sda, Sdq and high Smr2, Spd; Figs. 7E and 7F), thus dominated by unidirectional scratches. All its parameters plot nearest to the grazing *B. taurus* except the anisotropy ones that plot with *B. bison*. So, we could assume that the Gerakarou horse had a diet similar to the bison, with abrasive foods like hay (more abrasive than foliage, less than grasses), fresh grass or even forbs/herbs, but unlike bison, it was not feeding on any hard items (be it seeds fruits or lignified plant parts). Another explanation is that it was in fact a grazer, and the anisotropy is like in mixed feeders, because it was foraging on less abrasive grasses. There are grasses, which are present today in Greece, that have a lower concentration of phytoliths, comparable to dicot shrubs and herbs (Tsartsidou et al., 2007). It is also likely, just like the bison, that it was feeding with both monocots and dicots, depending on seasonality or availability. The Spd which is the highest from all

extant and fossils (Fig. 7D), possibly showing high ODF (linked with grazers; Kaiser et al., 2016) could be attributed to the fact that it is the only equid present. As the foods it ate were mechanically similar but with high inter-individual variation, it is likely we have specimens that were feeding with different food resources available to them, perhaps showing a small home range or seasonal differences before their deaths. It was probably more of a mixed feeder than a grazer, but was mainly using the herbaceous layer as its food source (fresh-small grasses, herbs, forbs, etc.), depending on the availability.

Lastly, the two cervids seem to have diets with very different tendencies, with *E. tegulensis* being a fruit/seed- dependent browser and *C. ramosus gerakarensis* a grazer in Gerakarou-1 at least.

*E. tegulensis* has the largest dispersion in almost all parameters discussed above (except Tfv; Fig. 6C), shown by Schulz et al. (2013) to be correlated with low silica portions in the diet, which is true for browsers. The foods it consumed were variable, from very hard to soft and intermediate in toughness (high Asfc, Str and intermediate epLsar; Figs. 6A and 6B), probably having a widely ranging diet (mix of the diets observed for *A. alces* and *C. capreolus*).

The diet of each individual was quite different but the foods each consumed were mechanically similar (high Disp-Asfc and low H9, H36; Figs. 6B, 7D and 7E), meaning it had significant dietary plasticity (Berlioz et al., 2017). Its surface also is classical of larger to medium food particle consumption with valleys that range in width, depth and large slopes (high Sda, Smr2, Sdq and intermediate Spd; Figs. 7D-F). Thus, it was a browser (facultative generalist), eating a wide range of foods incorporating a large portion of seeds/fruits or bark/lignified parts (from trees/shrubs) in its diet apart from tough foliage.

On the other hand, *C. ramosus gerakarensis*, that has pretty constrained disparities of parameters (plotting nearest to grazer *B. taurus*), was eating tough, soft, mechanically similar foods and did not have important inter-individual diet variation (low Asfc, Disp-Asfc, Str and high epLsar; Figs. 6A and 6B). It has a pretty leveled surface with non-wide and shallow for the biggest percentage valleys (low Sda, Sdq and high Smr2; Figs. 7E and 7F) and elevated peak density, perhaps indicating grazing habits since the food particles are small according to the other parameters.

There is a slight possibility it was a leaf-browser since high anisotropy can be present in browsers feeding mainly on tough foliage, like *C. capreolus*. But even in the case of the roe deer at Bauges, which does not eat seeds/fruits and mainly feeds on tough

bramble leaves it still has an intermediate Asfc. Considering that the above *C. ramosus gerakarensis* was indeed most probably a grazer (or at least a mixed feeder with grazing habits) feeding mainly on grasses and perhaps forbs, and was not eating any fruit, seeds or lignified tree parts.

#### 4.1.2.1.1. Suidae

In this paper as we have a single specimen of a suid from Gerakarou-1, we compared it with the results of two papers, which included extant species that range from a grazing-herbivorous diet to omnivory, focusing on the SSFA parameters. The crushing phase I (f3 and f6) of the fossil taxon has values of Asfc and epLsar similar to the mean values of *Hylochoerus meinertzhageni* (Lazagabaster, 2019) and of *Phacochoerus* spp. (Souron et al., 2015). On the other hand, its phase II (f9) is similar with the omnivorous species of *Potamochoerus* sp. and *Sus scrofa* (Souron et al., 2015).

The fossil suid of Gerakarou-1 could have been an herbivore, with a similar diet to the mixed feeder *H. meinertzhageni* that feeds mainly on grasses (preferring short-fresh than old dry ones), sedges, herbs, foliage and rarely engages in rootling behaviors (Lazagabaster, 2019; Souron et al., 2015; and ref. therein). It's worth noting that the fossil has the smallest H9 and H81 values, suggesting low food variety, but it could also be a result of rooting before its death (grit homonises the microwear signal; Souron et al., 2015), though it was not found in Lazagabaster (2019).

## 4.2. Mesowear

### 4.2.1. Method comparison (X, Y, Z)

Compared the results of Methods X, Y (adult specimens only; Fig. 8) and Z (mean of all ages; Fig. 9C), we observe that *R. rupicapra* seems to have opposite results, being more grazing than *C. elaphus* and *O. ammon* in Methods X and Y, but more browsing in Method Z. Also, in all methods *C. capreolus* has the highest Ms from Bauges, even though its diet is that of a browser (Merceron et al., 2021 and ref. therein). The fossils are sorted in the order amongst each other with the exception of *L. cf. etruscus* that has an increasingly more grazing signal, from Method X to Y, to Z (most grazing one; Figs. 8 and 9C). Overall, Method X shows greater distance between the taxa than Method Y, despite the fact that Method Y was made for equids and has not been adapted or tested in other groups (Ackermans, 2020).

In the case of Method Z, a difference in the signals of the extant taxa in relation to the fossils is also observed, probably because we used the frozen PCA of the extant to plot the values of the fossils amplifying thus the dietary differences (Fig. 9C). This probably causes the discrepancy with the other two methods and would need to be further explored, since Method Z is still under development.

The other fact that needs to be further looked at is how in Method Z the PC1 and H/Lmax values can be transposed to a singular Mesowear score (Ms) or the opposite (how the singular Ms would plot on the graph of Method Z), so we could compare with already existing data. In Method Z the signal is more grazing the further up and left (going diagonally; Fig. 9C).

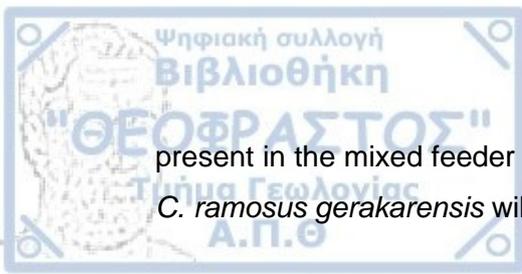
It is also worth noting that unlike Method X and Y that show differences in Ms when juvenile individuals are included (Fig. 9C; Tables 6 and S4), method Z was not affected, apart from the distance between species, which appears smaller when using just the adult specimens (Fig. S3). Thus, Method Z is able to use a larger range of specimens without seemingly in our case at least, being affected by age. Excluding *R. rupicapra* and *L. cf. etruscus* it was able to rank the species, similarly to the other two methods, using solely numerical data.

#### 4.2.2. Diet of the fossils inferred in relation to the extant in Method X

For the extant taxa (Fig. 10) the categories of browser, mixed feeder and grazer are intertwined. The grazing *T. quardicornis* and the browsing *C. capreolus* (Bauges) have very similar mesowear scores. It is possible that this is due to differences in dust and soil hardness (species from two different localities), but even between the two sympatric cervids of Bauges we notice the same trend of the browsing *C. capreolus* having a higher Ms.

As explained by the creators of this method that may be because despite the fact that browsers are primarily attrition-dominated, they noticed browsers with rounder cusps than expected of their diet like the African buffalo, and even large contrast between obligatory browsers (giraffe and moose; Fortelius and Solounias, 2000). As such the dietary limits are obscured and there are "problematic" species that could be mis-categorized.

The unidentified bovid specimen, *L. cf. etruscus* and the *E. tegulensis* can be classified as browsers. *E. altidens* has the most grazing signal out of all fossil and extant species, so it could be called a grazer, but given its large dispersion it will be categorized as a mixed feeder with grazing tendencies. A very big disparity is also



present in the mixed feeder *A. koufosi*. The last two fossil species *G. bouvrinae* and *C. ramosus gerakarensis* will also be classified as mixed feeders (Fig. 10).

#### 4.3. Diet of the fossils: microwear vs mesowear

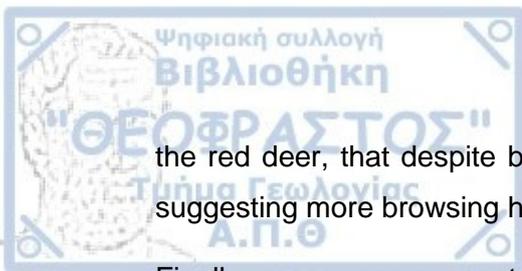
Dental microwear and mesowear analyses are two proxies that reflect an animal's diet in different time scales (Ackermans et al., 2020a; Teaford et al., 2020; Winkler et al., 2020) and as such discrepancies in the inferred diet are sometimes present or expected. Especially in fossils, where we usually have no data about the time of death since fossils in bonebeds may accumulate over a long time period in a locality. Such differences in diet may be also affected by seasonality or even short-term changes (of years) in the vegetation or climate. These changes may affect food availability and alter the animal's diet for short amounts of time. If the animal dies shortly after these differences may be detectable in the microwear but not in the mesowear signal.

In the case of the fossils from Gerakarou-1 we have some differences in the diets suggested by the two methods. Firstly, the unidentified bovid indet. specimen is shown as a browser in mesowear but microwear suggests a mixed feeder diet, containing grasses, forbs, leaves and even seeds. The fact is that this specimen is a juvenile, thus it is not surprising that it has a mesowear score of 1 (in Method X which is affected by age), and was indeed probably a mixed feeder as suggested by the microwear.

Similarly, the juvenile specimen of *Leptobos cf. etruscus* is also shown as a browser by mesowear, a fact also supported by the microwear with the added detail that it was probably fruit/seed dependent (frugivore). As for *Antilope koufosi* the two proxies agree that it was a mixed feeder with more browsing and more grazing variations.

Likewise, both methods suggest *Gazella bouvrinae* was a mixed feeder, but mesowear suggests it had a higher browsing percentage, whereas microwear that it was almost half-half (like *Ovis ammon*). *Eucladoceros tegulensis* also has tantamount results from the two proxies, suggesting it was a browser consuming leaves as well as fruits and seeds.

In the case of *Croizetoceros ramosus gerakarensis* the two methods have mostly contrasted results. Microwear suggest this small fossil deer was a grazer or at least a mixed feeder with grazing habits like the red deer while mesowear shows it was a mixed feeder with browsing habits. This difference in mesowear is similar to those of



the red deer, that despite being the most grazing species in Bauges it has a score suggesting more browsing habits than the rest (Fig. 10).

Finally, mesowear suggest that *Equus altidens* was a grazer or at least a mixed feeder with grazing habits. The analysis shows that it might truly had a diet similar to the European bison, with alternating food sources throughout the year according to their availability. But according to microwear it was not necessarily feeding on monocots mainly, or at least the samples we have may had died in seasonal conditions that limited the herbaceous monocots availability.

#### 4.4. Environment of Gerakarou-1

Glacial events which cause cooling episodes are correlated with more open arid habitats, whereas interglacial with more forested humid habitats (Kahlke et al., 2011). Environmental conditions and vegetation in a locality are closely linked and by knowing the faunal assemblage and the diets of the species present we can determine them. The dominance of browsers indicates the presence of forest or shrubby/bushy patches in an open landscape, while prevalence of grazers (feeding mainly in monocots) suggests open areas or open patches in woody areas. Finally intermediate (mixed) feeders represent a more variable mosaic environment (Blondel et al., 2010 and ref. therein; Merceron et al., 2007).

In the fossiliferous locality of Gerakarou-1, artiodactyls (bovids, cervids and suids) represent more than 50% of its fauna, with the same proportion of bovids and cervids (Kostopoulos and Koufos, 2000, 1995). The diets of the fossils in Gerakarou-1, as suggested by the microwear and mesowear methods, show a dominance of mixed feeders, with the browsers being slightly more frequent than grazers. As such, Gerakarou-1 was characterized by a mosaic habitat, an open forest-savanna woodland environment with temperate conditions.

This has also been suggested by other authors (Kahlke et al., 2011; Kostopoulos and Koufos, 2000, 1995) and is also supported by the pollen record (Kostopoulos and Koufos, 2000 and ref. therein), showing the steady replacement of a “*Artemisia* steppe-deciduous forest” for the Northern Mediterranean region. In particular, because of the presence of the fossil suid (Kostopoulos and Koufos, 1995) and because of the more browsing character of *Eucladoceros tegulensis* than in other localities (Berlioz et al., 2017), Gerakarou-1 may be an indication of a mosaic environment with temperate towards warm conditions (interglacial event).

## 5. Conclusion

This study further proves the usefulness of combining dental microwear and mesowear analyses, two proxies with different time-scale sensitivity (Ackermans et al., 2020a; Teaford et al., 2020; Winkler et al., 2020), in order to infer the diet and the paleoenvironment of fossil taxa (DeMiguel et al., 2011; Hullot et al., 2021; Kelly et al., 2021; Rivals et al., 2011; Rivals and Athanassiou, 2008; Valli and Palombo, 2008). The study shows, for microwear that the usage of the STA parameters apart from the classical SSFA parameters, can help better characterize subtle dietary differences in species.

Additionally, with the new mesowear method (Method Z), which we developed along with E. Berlioz and G. Merceron, we demonstrated a new way to quantitatively categorize cusp shapes, as to minimize bias and give the ability of exact comparison with other studies, while being relatively time efficient. It could be a great tool when completed and could be used in the extended version of mesowear by Winkler and Kaiser (2011). Which is methodology with more dietary categories than Method X and Y and as suggested by Ackermans (2020) its scores can be easily converted into or to other methods scores.

Lastly, this study is in agreement with the suggested environment for the locality of Gerakarou-1, indicating a mosaic environment of open forests-savanna woodlands with temperate conditions (Kahlke et al., 2011; Kostopoulos and Koufos, 2000).



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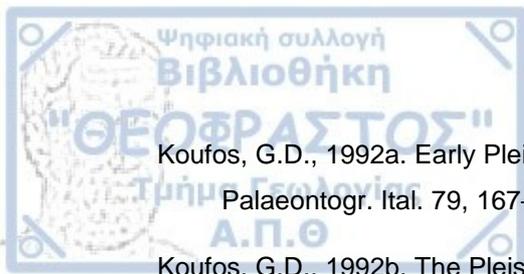
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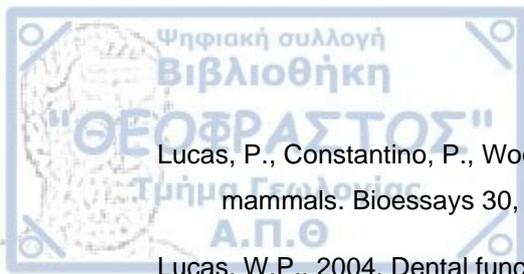
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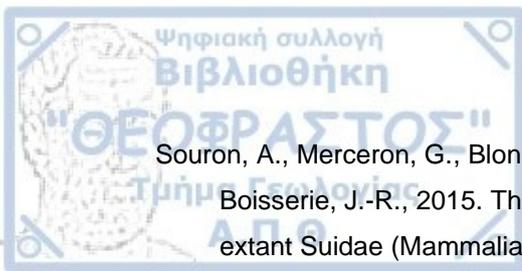
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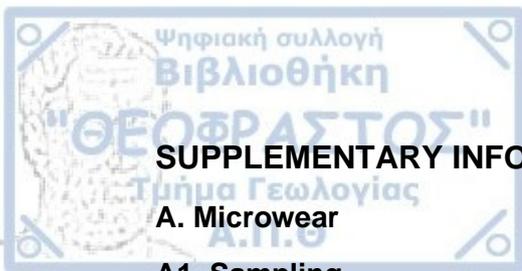
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Valli, A.M.F., Palombo, M.R., 2008. Feeding behaviour of middle-size deer from the Upper Pliocene site of Saint-Vallier (France) inferred by morphological and micro/mesowear analysis. *Palaeogeogr. Palaeoclimatol. Palaeoecol.* 257, 106–122.

Walker, A., Hoeck, H.N., Perez, L., 1978. Microwear of mammalian teeth as an indicator of diet. *Science* (80-. ). 201, 908–910. <https://doi.org/10.1126/science.684415>

Winkler, D.E., Kaiser, T.M., 2011. A case study of seasonal, sexual and ontogenetic divergence in the feeding behaviour of the moose (*Alces alces* Linné, 1758). *Verhandlungen des naturwissenschaftlichen Vereins Hambg.* 46, 331–348.

Winkler, D.E., Schulz-Kornas, E., Kaiser, T.M., Codron, D., Leichliter, J., Hummel, J., Martin, L.F., Clauss, M., Tütken, T., 2020. The turnover of dental microwear texture: Testing the "last supper" effect in small mammals in a controlled feeding experiment. *Palaeogeogr. Palaeoclimatol. Palaeoecol.* 557, 109930. <https://doi.org/10.1016/j.palaeo.2020.109930>



## SUPPLEMENTARY INFORMATION (SI)

### A. Microwear

#### A1. Sampling

All the samples used in this paper were prepared in the same way before they were sampled. The fossil material studied in this work was sampled by the author, with the exception of the fossil teeth of *Equus altidens* which were sampled by A. Gkeme. Each tooth's occlusal surface had been thoroughly cleaned three times with acetone before being manually sampled with a high-resolution polyvinylsiloxane elastomer (Calandra et al., 2012; Kaiser et al., 2016; Merceron et al., 2016b; Scott et al., 2006). After that at the Paleovprim lab, the second mold was cut so that only the targeted facets remained for each tooth before being placed under the confocal profilometer Leica DCM8 (TRIDENT). We preferred to use the second mold because the surface at that point is definitely clearer, since the first mold would have taken any remaining dust present even after the cleaning process. While looking the facet surfaces for each tooth, we excluded those that had traces of dust, glue remains, air bubbles, or were not sufficiently worn. We aimed to take the 200x200  $\mu\text{m}$  scan in the center of each facet, but in some cases where there was dust, we scanned the adjacent areas. In case the facet was too narrow for a 200x200  $\mu\text{m}$  scan, we took instead a parallel shaped scan which added up to the same surface area.

All the scans for the fossils are in the Photosims: A1a= *Sus strozzi*, A1b= *Leptobos cf. etruscus*, A1c= *Gazella bouvrinae*, A1d= *Eucladoceros tegulensis*, A1e= *Equus altidens*, A1f= *Croizetoceros ramosus gerakarensis*, A1g= Bovidae indet., A1h= *Antilope koufosi*.

#### A2. Statistics

The disparities of the parameters indicate if there are differences in the same species/population for that parameter. When high disparity of a parameter is observed that means that some individuals from that group/species had very different values of that parameter in comparison to other individuals in that same group.

We calculated the disparities of the parameters using the following equation:

$|\ln(x+1) - \text{Median}(\ln(x+1))|$ , where  $x = \text{Asfc}, \text{Tfv2}$  or  $\text{epLsar} \times 10^{-3}$

Among all the microwear parameters and their disparities used for the selected specimens (see SI Appendix: tab "II. Microwear": column J: value "1"), only the Disparity of EpLsar was not statistically significant ( $p < 0,05$ ), according to the Kruskal-Wallis test for equal medians (see Table S1).

Table S1: The p values for all microwear parameters as given by the Kruskal-Wallis test for equal medians, for the selected specimens; With red the non-significant p-value.

Parameter	Kruskal-Wallis test	Parameter	Kruskal-Wallis test	Parameter	Kruskal-Wallis test
Asfc	p-value: 6.74E-10	Sq	p-value: 3.58E-11	Vv	p-value: 1.64E-06
R2	Not tested	Skk	p-value: 5.21E-23	Vmp	p-value: 1.84E-10
Smfc	Not tested	Sku	p-value: 2.02E-19	Vmc	p-value: 7.22E-06
epLsar	p-value: 1.15E-13	Sp	p-value: 2.96E-12	Vvc	p-value: 2.49E-06
H9	p-value: 5.10E-05	Sv	p-value: 5.23E-18	Vvv	p-value: 1.12E-12
H36	p-value: 3.01E-10	Sz	p-value: 1.94E-16	Spc	p-value: 4.80E-18
H81	p-value: 2.79E-11	Sa	p-value: 5.22E-07	S10z	p-value: 1.36E-15
Tfv2	p-value: 0.001961	Smc(c=1)	p-value: 2.89E-12	S5p	p-value: 2.99E-12
Tfv02	p-value: 0.0006852	Scm(p=10)	p-value: 3.18E-06	S5v	p-value: 8.35E-18
Disp Afc	p-value: 0.007017	Sxp	p-value: 1.26E-09	Sdv	p-value: 1.35E-19
Disp Eplsar	p-value: 0.3523	Sal	p-value: 1.98E-18	Svd	p-value: 1.32E-10
Disp Tfv2	p-value: 0.0008367	Sal#1	p-value: 3.60E-19	Svc	p-value: 5.18E-10
Str	p-value: 8.82E-17	Sal#2	p-value: 2.52E-19	Sk	p-value: 6.39E-07
Sdq	p-value: 2.01E-11	Str#1	p-value: 1.02E-17	Spk	p-value: 5.73E-10
Spd	p-value: 3.49E-21	Str#2	p-value: 1.27E-18	Svk	p-value: 1.49E-13
Sda	p-value: 2.14E-08	Sdr	p-value: 1.11E-09	Smr1	p-value: 9.83E-10
Smr2	p-value: 5.15E-11	Vm	p-value: 1.84E-10		

Table S2: The values of the microwear parameters for the fossil species that were excluded from the statistic tests; The mean of *Antilope koufosi* was not used in the charts.

Species	Specimen	molar	facet	SSFA Parameters							STA (ISO) Parameters				
				Asfc	epLsar	H9	H36	Tfv 02	Disp-Asfc	Disp-Tfv2	Str	Sdq	Spd	Sda	Smr2
<i>Antilope koufosi</i>	GER-148	Im2	ptcd-db	1.46	0.00522	0.40	0.44	76341	0.25	0.17	0.15	0.14	0.00206	295	84.45
	GER-348	UM1	ptc-ml	1.17	0.00922	0.51	0.61	80638	0.38	0.22	0.21	0.12	0.00526	180	85.01
	GER-48	UM2d	ptc-ml	1.93	0.00584	0.36	0.55	51971	0.08	0.46	0.44	0.14	0.0052	181	84.88
		UM2s	ptc-ml	2.13	0.00701	0.66	0.73	61750	0.01	0.14	0.29	0.16	0.00261	206	86.14
	Mean	All	All	1.67	0.00682	0.48	0.58	67675	0.18	0.25	0.27	0.14	0.00378	216	85.12
Std. error			0.22	0.00088	0.07	0.06	6613	0.08	0.07	0.06	0.01	0.00084	27	0.36	
Bovid ind.	GER-371	Im1	ptcd-db	1.76	0.00371	0.39	0.55	73789	0.00	0.00	0.35	0.14	0.00307	189	83.37
<i>Leptobos cf. etruscus</i>	GER-130	Im1	ptcd-db	5.23	0.00307	0.55	0.63	99746	0.00	0.00	0.90	0.24	0.00673	112	84.91

## B. Mesowear

### B1. Method X

The mesowear scores from the database of Fortelius and Solounias (2000), were changed to fit our scoring (1-4; 1= High-Sharp, 2= High-Round, 3= Low-Round, 4 = Low-Blunt) and all teeth with a score of two (high-blunt; HB) were excluded. Similarly for the specimens of *Equus asinus*, from the database of Blondel et al. (2010), but with a score of 2.5 (HB). The teeth with score 2.5 (HB) were excluded in both cases because there is no such classification in the mesowear method by Rivals and Semprebon (2006) and we do not have access to the teeth to re-score them.

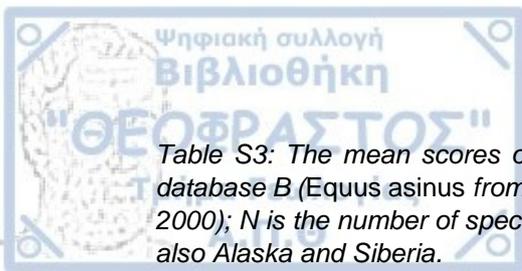


Table S3: The mean scores of the mesowear method X, for the species we took from the database B (*Equus asinus* from Blondel et al., 2010; rest species from Fortelius and Solounias, 2000); N is the number of specimens; SE is the standard error of the mean; Canada+ includes also Alaska and Siberia.

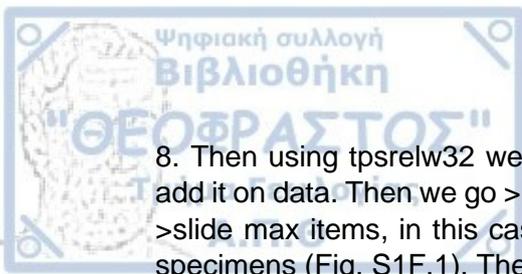
#### Comparative Dataset Method X

Locality	Species		N	Mean	SE
NA-Eurasia	<i>Alces alces</i>	Aa	30	1.00	0.00
Eurasia	<i>Capreolus capreolus</i>	OI	67	1.34	0.08
E Asia	<i>Budorcas taxicolor</i>	Bt	37	1.65	0.09
SE Asia	<i>Cervus unicolor</i>	Cu	20	2.00	0.13
NE Asia	<i>Cervus canadensis</i>	Cc	19	1.53	0.12
Canada +	<i>Ovibos moschatus</i>	Om	47	1.62	0.10
India	<i>Boselaphus tragocamelus</i>	Tr	15	2.13	0.09
Europe	<i>Capra ibex</i>	Ci	24	1.50	0.15
SE Asia	<i>Carpicornis sumatraensis</i>	Ca	22	1.68	0.10
Arab Emira	<i>Equus asinus</i>	Ea	17	1.94	0.20
India	<i>Axis axis</i>	Ax	43	2.37	0.14
SE Asia	<i>Axis porcinus</i>	Ap	23	2.04	0.08
India	<i>Cervus duvauceli</i>	Cd	49	2.47	0.14
India	<i>Tetraceros quadricornis</i>	Tq	20	1.80	0.12

## B2. Method Z

For the method Z we used the same pictures of the molars we used for the other two methods of mesowear. Below are the steps we followed to determine the cusp shapes for this method.

1. Using tpsUtil32 we make a tps file containing the pictures of the molars of one taxon, or if we wish all the specimens: Build tps file from images (Fig. S1A).
2. Using tpsDig232 on each image we set the scale using the “make linear measurements” and then by going > options > image tools > set scale (Fig. S1B).
3. Measure H3 (height from valley to cusps) and Lmax (maximum length) with the “make linear measurements” tool (Fig. S1C.1).
4. Draw the cusp shape of the molar (only one of the cusps; either the anterior or the posterior, same for all images) using the tool “draw background curves” (Fig. S1C.1). Then by right-clicking, “choose resample curve” and do as shown in Fig. S1C.2.
5. After we do the above for all images and different tps files (one per taxon), use tpsUtil32 to convert the curve points in landmarks: “Append tps curve to landmarks” (Fig. S1D).
6. In the same program we use the option “make sliders file” (only one is needed per number of points) and then we press “setup” and connect the points to make them sliding semi-landmarks, except the first and last points that are landmarks (Fig. S1C.1 and E. 2).
7. After that combining all the species in two tps files, one for the extant and one for the fossils (only with the anterior cusps in our study).



8. Then using tpsrelw32 we take that tps file we took from the seventh step and we add it on data. Then we go > file > open sliders file (we made in step six) and > options, >slide max items, in this case 40. After we do the “consensus” and save as aligned specimens (Fig. S1F.1). The consensus of points is shown in Fig. S1F.2.

9. We open that new aligned tps file with excel and delete all rows that don't correspond to XY coordinates (ID, comments, Im, ect.) and then we insert the csv files in R (SI: D; example script). We only keep the 10 highest points per specimen:

10. The following can be done in R too, but we used MorphoJ. We insert the tps files by creating a new project and two datasets.

11. For each dataset we follow the same process up to before making the Variation. We extract new classifiers from ID and after we find the outlines (Fig. S1G). Then we run a new Procrustes fit and then we create a wireframe by going on: create or edit wireframe and connecting the points the same way as for the sliders file. And then we choose generate covariance matrix, picking the dataset and her Procrustes fit.

12. This step is only for the extant dataset and will show the shape change. We go >variation, >principal component analysis and we get the graphs and scripts. Then we can see the shape change, when we choose change the type of graph, wireframe graph (Fig. S1H). Which we then use the reference extant dataset as a framework that increase differences between reference specimens belonging to different, well identified feeding categories

13. Then for the fossils' dataset, we do steps till 11 and then we go variation, PC scores from other PCA and we pick the PCA of the extant, so we can add the fossils in the above framework to infer their paleoecology. Finally, for this program we extract the PCA scores for both extant and fossil datasets.

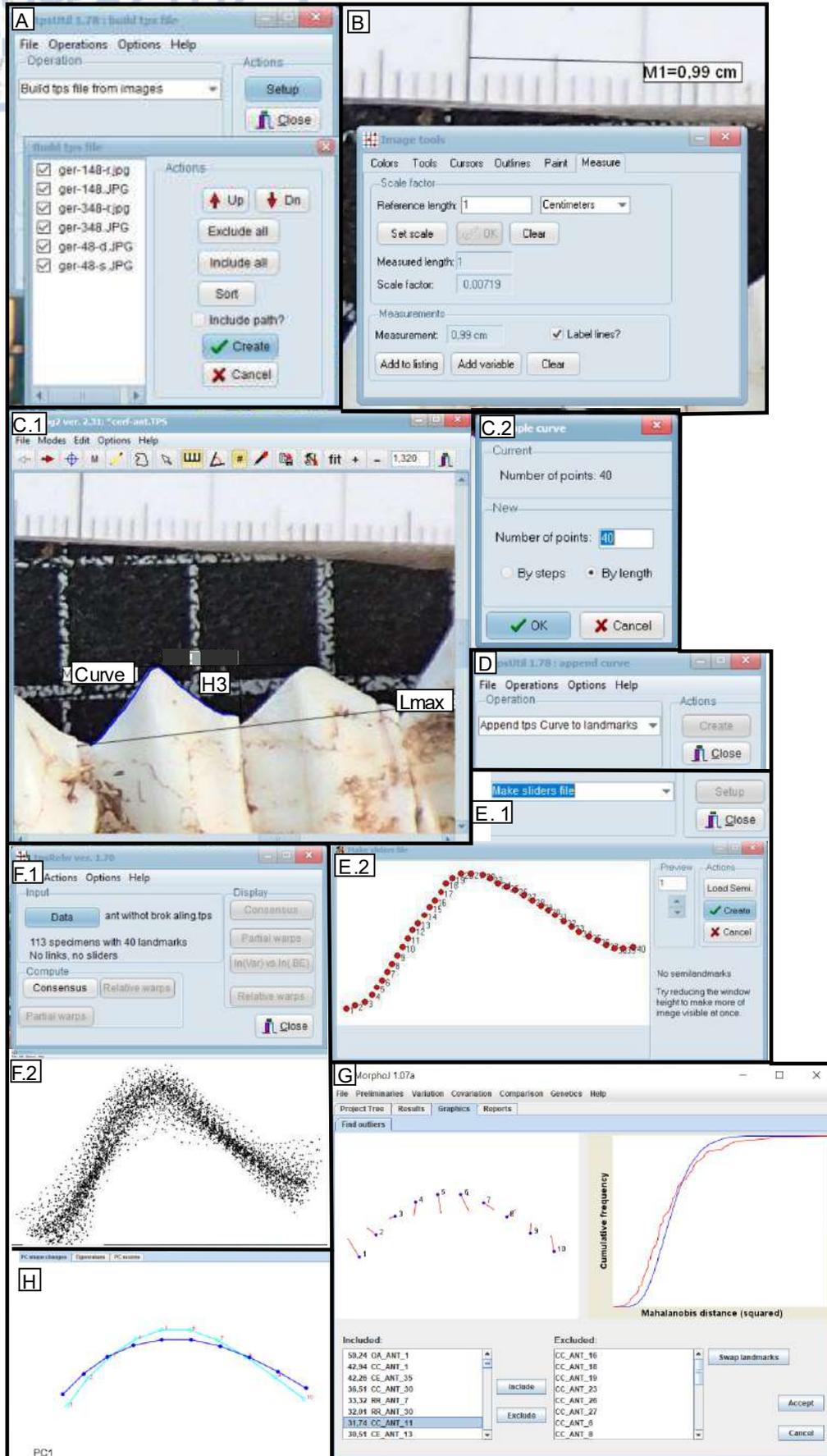


Figure S1: Steps followed for the acquirement of the cusp shape for Method Z.



Table S4: The means of each taxon per age/wear category, for mesowear Methods X, Y and Z.

Species	Age/Wear	N	Method Z						Method X		Method Y		
			PC1		PC2		H3/Lmax		Mean	SE	Mean	SE	
			Mean	SE	Mean	SE	Mean	SE					
<i>Capreolus capreolus</i>	J	5	-0.0203	0.0238	0.0293	0.0161	0.174	0.009	1.80	0.20	1.20	0.37	
	CC	A	15	0.0381	0.0305	-0.0191	0.0118	0.194	0.008	1.73	0.12	2.00	0.26
	O	1	0.1078	0.0000	-0.0056	0.0000	0.178	0.000	2.00	0.00	2.00	0.00	
<i>Cervus elaphus</i>	J	9	-0.0025	0.0255	-0.0021	0.0243	0.198	0.013	1.33	0.17	1.00	0.24	
	CE	A	28	-0.0162	0.0139	-0.0046	0.0097	0.216	0.005	1.61	0.09	1.18	0.14
	O	1	0.0635	0.0000	0.0787	0.0000	0.217	0.000	2.00	0.00	2.00	0.00	
<i>Ovis ammon</i>	J	13	-0.0416	0.0211	-0.0040	0.0158	0.220	0.009	1.31	0.13	0.69	0.21	
	OA	A	9	0.0196	0.0313	-0.0123	0.0247	0.242	0.012	1.56	0.18	1.22	0.32
	O	4	0.1461	0.0140	-0.0149	0.0157	0.235	0.027	2.00	0.00	3.25	0.48	
<i>Rupicapra rupicapra</i>	J	8	-0.1035	0.0186	-0.0034	0.0220	0.238	0.012	1.13	0.13	0.38	0.18	
	RR	A	14	0.0030	0.0249	-0.0162	0.0162	0.287	0.009	1.86	0.10	1.71	0.19
	O	3	0.1335	0.0370	0.0793	0.0165	0.252	0.045	2.00	0.00	2.67	0.33	
<i>Croizetoceros ramosus gerakarensis</i>	J	1	-0.1908	0.0000	-0.1277	0.0000	0.230	0.000	1.00	0.00	0.00	0.00	
	CG	A	14	-0.0444	0.0255	-0.0078	0.0209	0.179	0.008	1.29	0.13	1.21	0.26
	O	13	0.0494	0.0265	-0.0058	0.0138	0.143	0.014	1.85	0.19	2.31	0.29	
<i>Eucladoceros tegulensis</i>	ET	A	4	-0.0510	0.0761	-0.0528	0.0234	0.176	0.020	1.00	0.00	0.75	0.25
<i>Antilope koufosi</i>	AK	A	3	0.0223	0.0499	0.0069	0.0144	0.175	0.016	1.67	0.33	1.67	0.67
<i>Leptobos cf. etruscus</i>	LE	J	1	0.0673	0.0000	0.0970	0.0000	0.179	0.000	1.00	0.00	1.00	0.00
Bovidae indet.	BO	J	1	-0.1183	0.0000	-0.0933	0.0000	0.233	0.000	1.00	0.00	0.00	0.00
	J	1	0.0125	0.0000	0.1299	0.0000	0.159	0.000	1.00	0.00	1.00	0.00	
<i>Gazella bouvrinae</i>	GB	A	15	-0.0698	0.0262	-0.0220	0.0194	0.152	0.007	1.20	0.11	0.80	0.22
	O	17	-0.0025	0.0232	-0.0144	0.0168	0.152	0.013	1.88	0.24	2.12	0.27	
<i>Equus altidens</i>	J	1	0.1842	0.0000	0.0596	0.0000	0.082	0.000	4.00	0.00	5.00	0.00	
	EA	A	8	0.1305	0.0137	0.0470	0.0641	0.064	0.010	3.13	0.35	3.63	0.71
	O	3	0.0692	0.0370	0.1688	0.0491	0.055	0.006	4.00	0.00	6.00	0.00	

Table S5: The eigenvalues from the PCA of the extant species used in mesowear Method Z for their cusp shape, and the Variance for the fossil species (PCA) calculated by using the scores of the frozen PCA of the extant.

Extant species				Fossil species		
PCA	Eigenvalues	Variance (%)	Cumulative (%)	PCA	Variance	Total variance (%)
1.	0,008991	64,269	64,269	1.	0,012411	43,98
2.	0,003233	23,111	87,38	2.	0,008627	30,57
3.	0,000620	4,432	91,811	3.	0,001420	5,031
4.	0,000390	2,788	94,599	4.	0,000991	3,511
5.	0,000273	1,954	96,554	5.	0,001010	3,578
6.	0,000130	0,932	97,486	6.	0,000234	0,829
7.	0,000091	0,653	98,139	7.	0,000442	1,566
8.	0,000090	0,644	98,782	8.	0,000267	0,947
9.	0,000066	0,471	99,254	9.	0,000122	0,434
10.	0,000046	0,328	99,582	10.	0,000397	1,405
11.	0,000030	0,217	99,799	11.	0,000424	1,503
12.	0,000011	0,079	99,878	12.	0,000477	1,691
13.	0,000007	0,051	99,929	13.	0,000326	1,154
14.	0,000005	0,035	99,964	14.	0,000451	1,597
15.	0,000003	0,022	99,986	15.	0,000318	1,126
16.	0,000002	0,014	100	16.	0,000305	1,08
Total variance: 0,01398895				Total variance: 0,02821988		

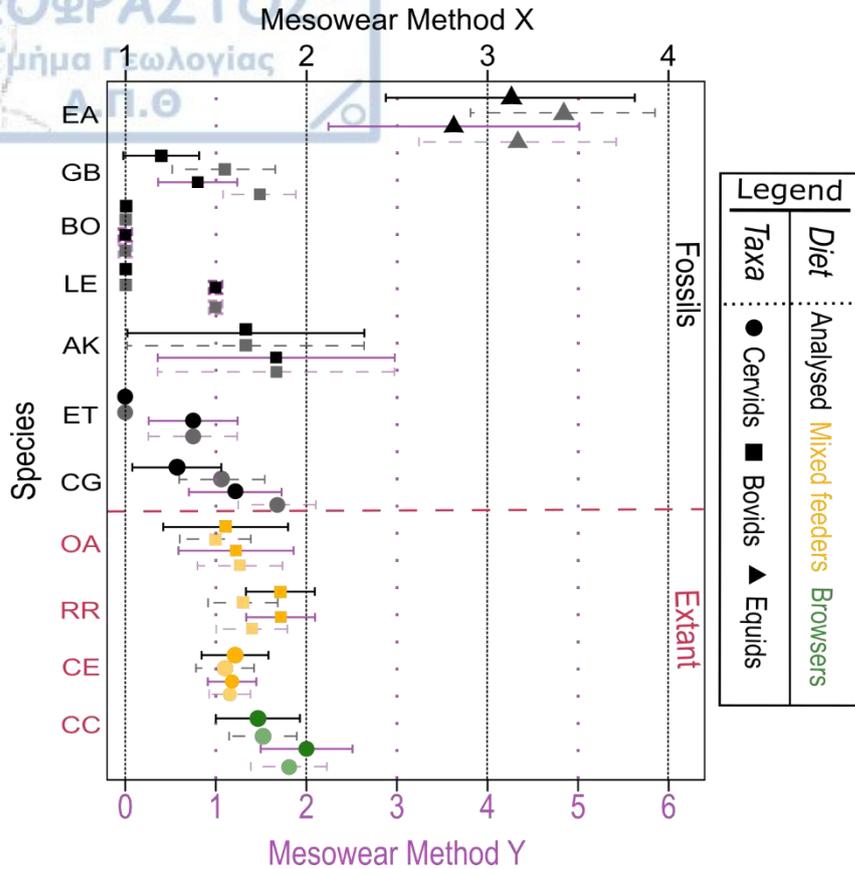


Figure S2: Plot of the studied extant and fossil taxa scored according to Rivals and Semprebon (2006; Method X: black lines) and according to Muhlbachler et al. (2011; Method Y: purple lines), showing the  $M_s$  means, when using all the specimen (dotted lines) vs only the adults (solid lines). Each point represents the mean and the lines represent the 95% CI of the standard error (SE; table 6); Extant species: RR=Rupicapra rupicapra, OA=Ovis ammon, CE=Cervus elaphus, CC= Capreolus capreolus. Fossil species: GB= Gazella bouvrainae, CG=Croizetoceros ramosus gerakarensis, ET=Eucladoceros tegulensis, EA=Equus altidens, BO= Bovidae indet., LE=Leptobos cf. etruscus, AK= Antilope koufosi.

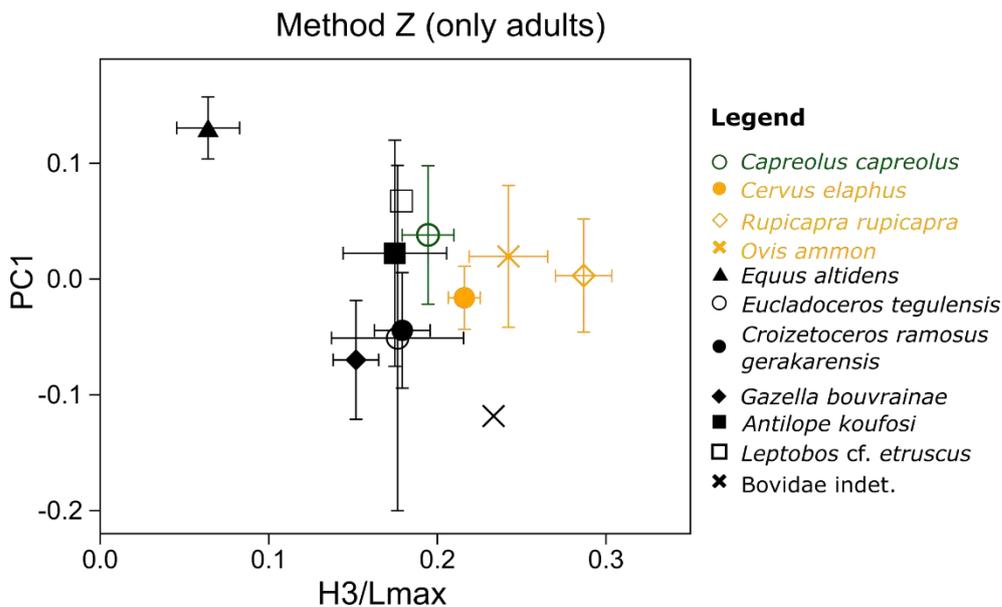
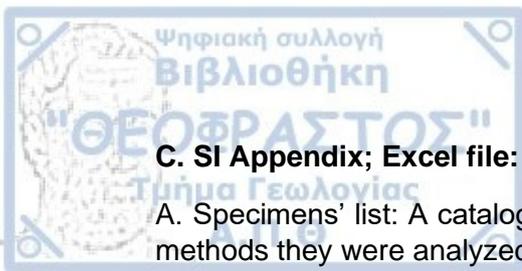


Fig S3: Plot of the studied extant and fossil taxa scored according Method Z (means using only adult; exception Bovidae indet. and Leptobos cf. etruscus).



### C. SI Appendix; Excel file:

A. Specimens' list: A catalogue of all the extant and fossil specimens and with which methods they were analyzed.

B. Microwear: All the facets of specimens that were scanned and their values for each parameter (SSFA, Volume scales, Disparities and STA). Column J shows which of those were used in the statistical analysis, with 0: not used, 1: used and 2: we used the median of the facets of the same specimen; Specimen in red shows taphonomic deterioration; Grey columns are of no interest or have specimens with non-calculated values; Green cells are the parameters chosen in this study and with blue font color the parameters proposed by Kaiser et al. (2016).

B1. Summary: The summary statistics of the parameters, by taxon. It corresponds only to the to the specimens that have been analyzed.

B2. Dunn's post hoc tests: The results of the Dunn's post hoc test for each parameter and all the taxa used in the analysis. Using the Bonferroni corrected p values; Red cells for significant difference.

C. Mesowear: All the specimens that were examined for the three mesowear methods (X, Y, Z) and their measurements / scores. Column E shows which of those were used in the statistical analysis, with 0: not used, 1: used.

C1. Method X Comparative data: Contains the data we used from the mesowear databases (Blondel et al., 2010; Fortelius and Solounias, 2000) and their summary statistics; Canada+ includes also Alaska and Siberia; Mesowear score [1= high-sharp, 2=high-round, 3=low-round, 4=low-blunt].

C2. Summary: The summary statistics for the that have been analyzed, for the three mesowear methods, as well as for the PC1 and PC2, with each taxon categorized per age/wear group.

C3. Dunn's post hoc tests (Z): The results of the Dunn's post hoc test for each parameter (Method Z) and all the taxa used in the analysis. the Bonferroni corrected p-values; Red cells for significant difference.

### D. Example Script for R:

```
getwd()
setwd("C:/location/file")
list.files()
### Import & identify specimens /anterior cusps ###
ANT_db<-read.table("name.csv", dec = ",",header = FALSE, sep=";", fileEncoding="UTF-8-BOM")
str(ANT_db)
summary(ANT_db)
Species1_ANT_Spec1<-ANT_db[1:40,]
Species1_ANT_Spec2<-ANT_db[41:80,]
Species2_ANT_Spec3<-ANT_db[81:120,]
```



```
Species2_ANT_Spec4<-ANT_db[121:160,]
```

```
### isolate 25% upper Y ###
```

```
##### Species1_ANT #####
```

```
xr1<-quantile(Species1_ANT_Spec1[,2],0.75)
```

```
a1<-Species1_ANT_Spec1[,2]>xr1
```

```
b1<-which(a1)
```

```
Species125_ANT_Spec1<-Species1_ANT_Spec1[b1,1:2]
```

```
LM<-"LM=10"
```

```
ID<-"ID=Species1_ANT_1"
```

```
Species125_ANT_Spec1<-rbind(LM,Species125_ANT_Spec1,ID)
```

```
xr2<-quantile(Species1_ANT_Spec2[,2],0.75)
```

```
a2<-Species1_ANT_Spec2[,2]>xr2
```

```
b2<-which(a2)
```

```
Species125_ANT_Spec2<-Species1_ANT_Spec2[b2,1:2]
```

```
LM<-"LM=10"
```

```
ID<-"ID=Species1_ANT_2"
```

```
Species125_ANT_Spec2<-rbind(LM,Species125_ANT_Spec2,ID)
```

```
length(b1)
```

```
length(b2)
```

```
##### Species2_ANT #####
```

```
xr1<-quantile(Species2_ANT_Spec1[,2],0.75)
```

```
a1<-Species2_ANT_Spec1[,2]>xr1
```

```
b1<-which(a1)
```

```
Species225_ANT_Spec1<-Species2_ANT_Spec1[b1,1:2]
```

```
LM<-"LM=10"
```

```
ID<-"ID=Species2_ANT_1"
```

```
Species225_ANT_Spec1<-rbind(LM,Species225_ANT_Spec1,ID)
```

```
xr2<-quantile(Species2_ANT_Spec2[,2],0.75)
```

```
a2<-Species2_ANT_Spec2[,2]>xr2
```

```
b2<-which(a2)
```

```
Species225_ANT_Spec2<-Species2_ANT_Spec2[b2,1:2]
```

```
LM<-"LM=10"
```



```
ID<-"ID=CE_ANT_2"
```

```
Species225_ANT_Spec2<-rbind(LM,Species225_ANT_Spec2,ID)
```

```
length(b1)
```

```
length(b2)
```

```
### create a dataframe, with 25% upper points for all specimens : one for ANT ###
```

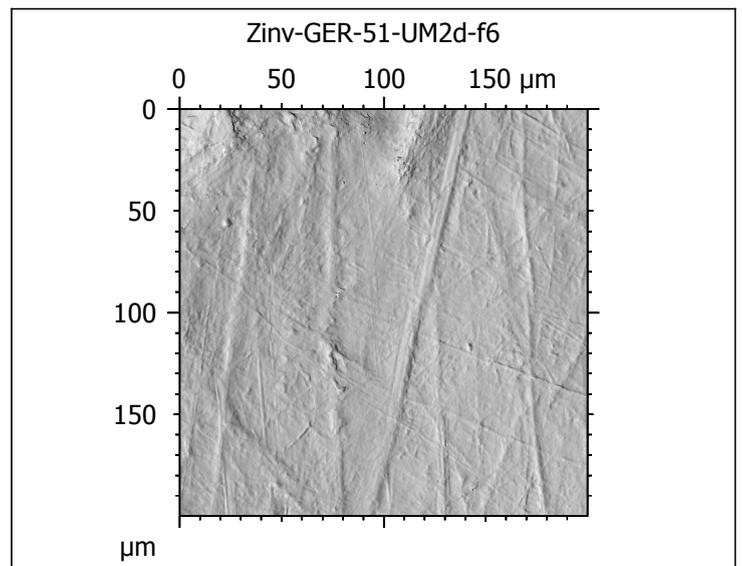
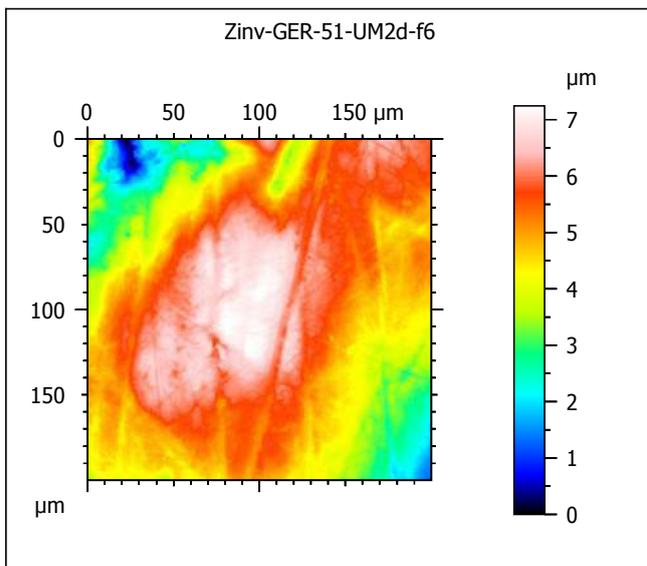
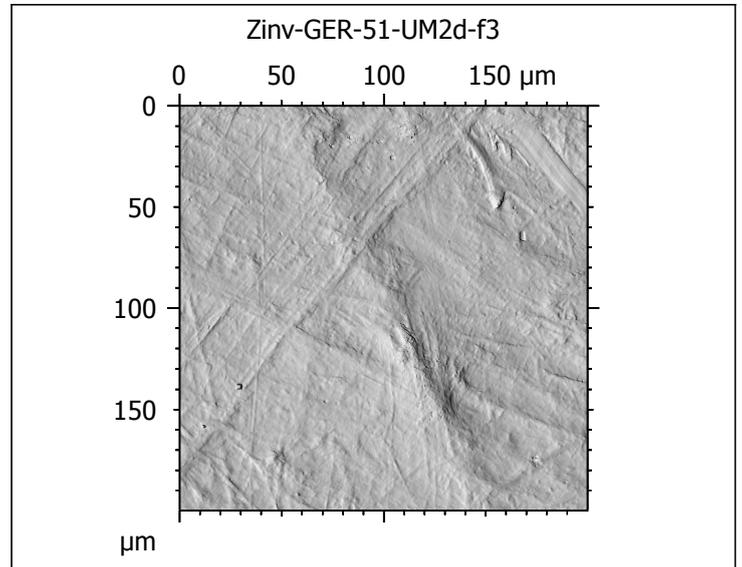
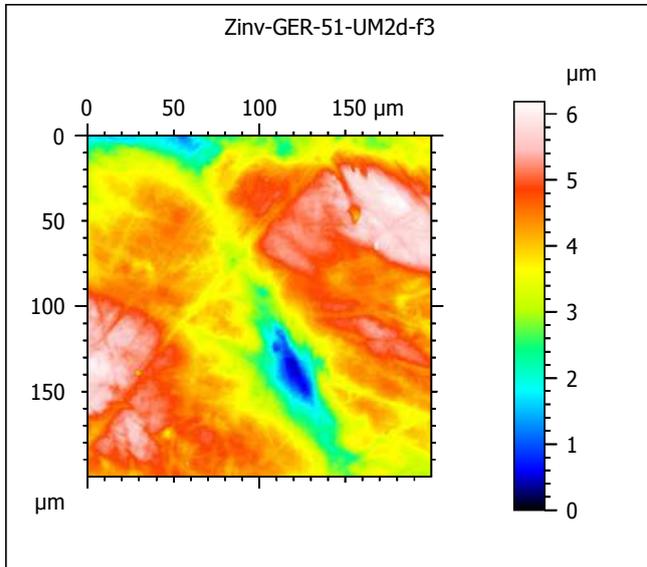
```
df_ANT<-
```

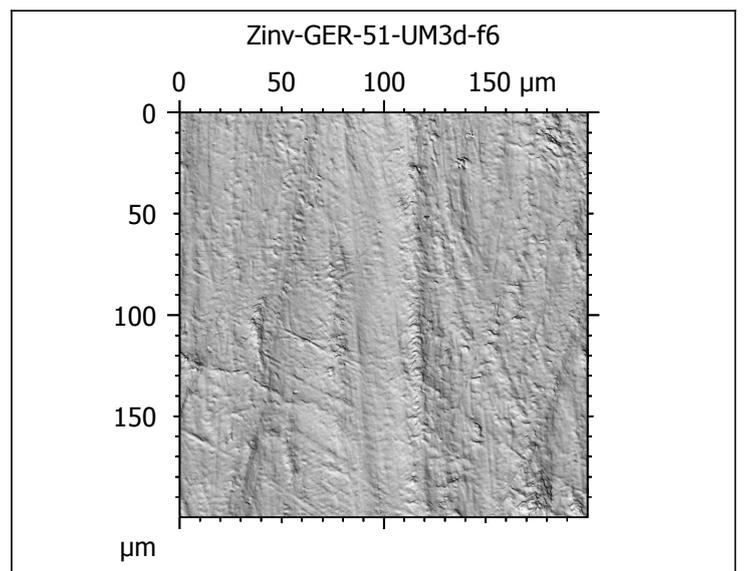
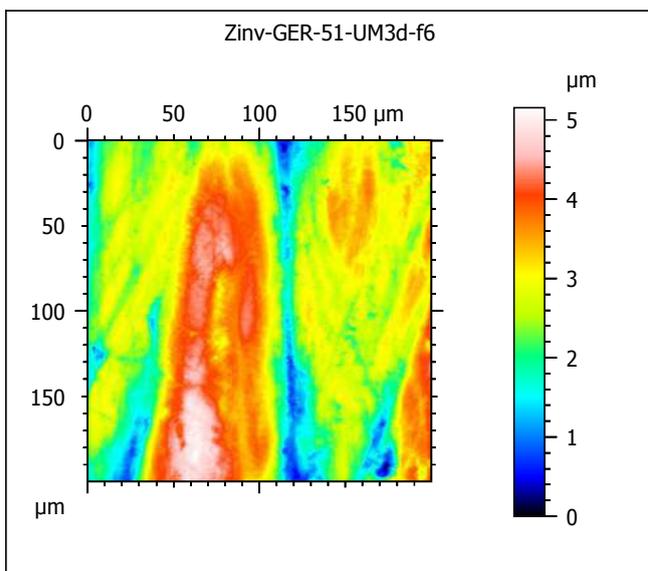
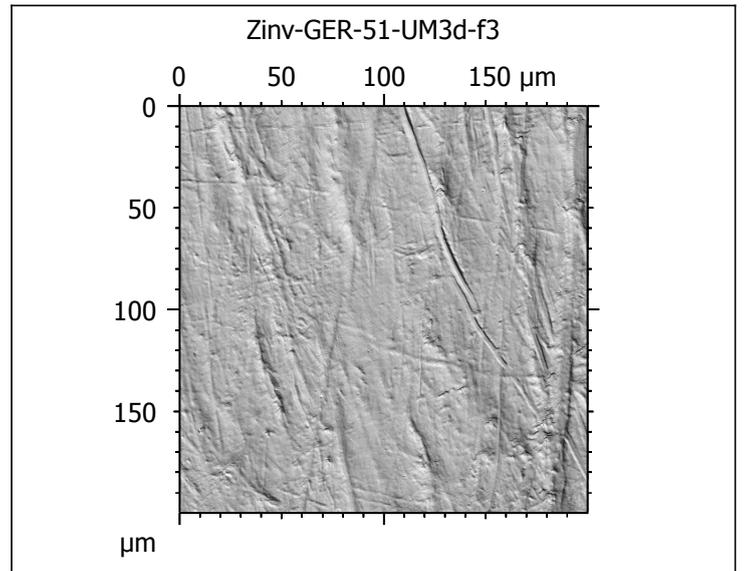
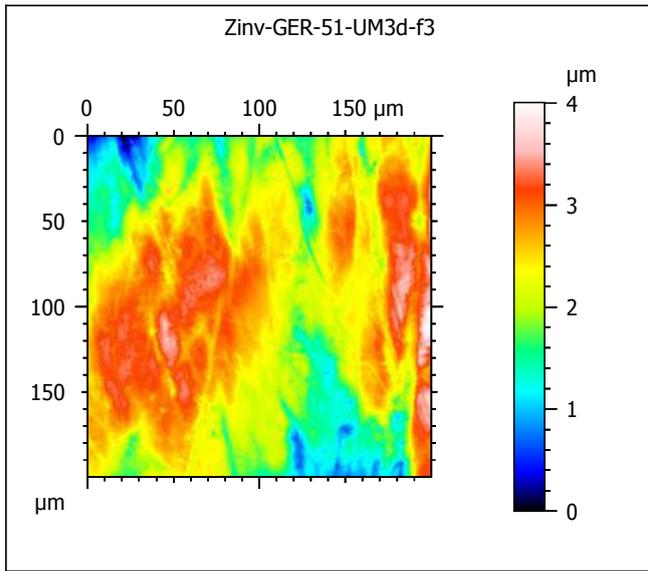
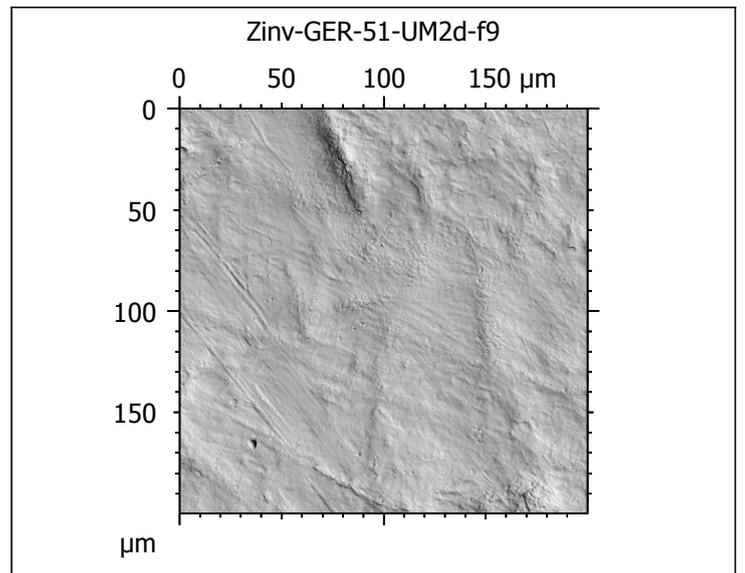
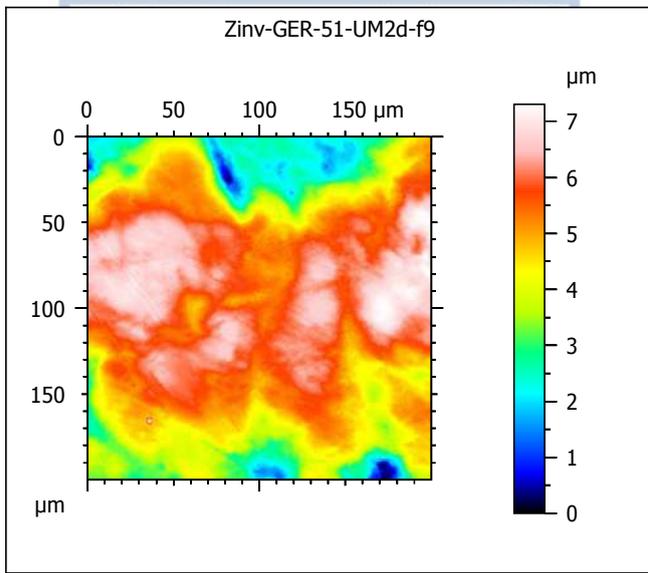
```
rbind(Species125_ANT_Spec1,Species125_ANT_Spec2,Species225_ANT_Spec11,Species  
225_ANT_Spec12)
```

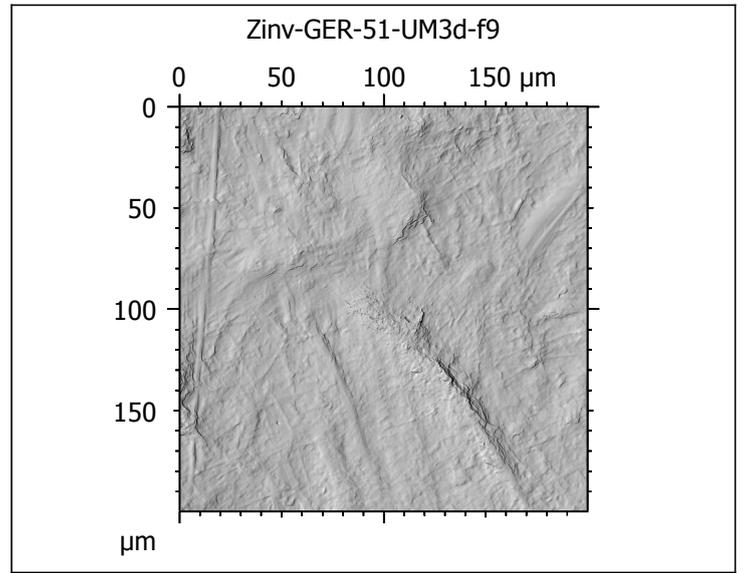
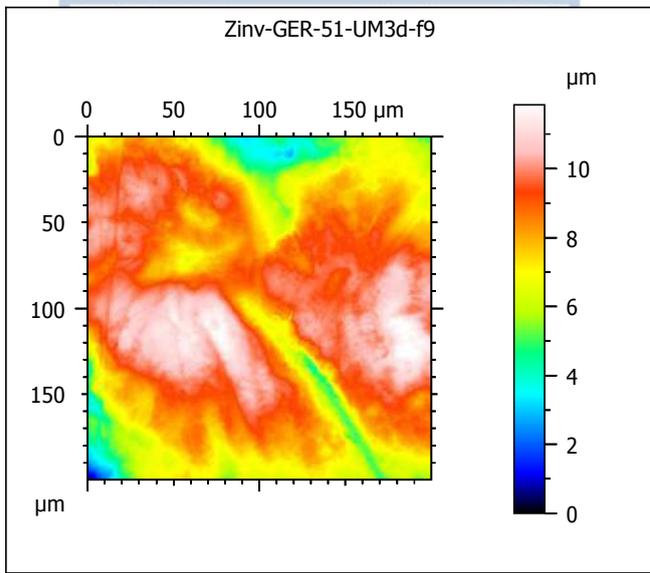
```
write.table(df_ANT, "C:/location/name.txt", sep="\t", row.names=FALSE, col.names=FALSE)
```

Photosims:  
A1a

Specimens of *Sus* from Gerakarou, lower Pleistocene of Greece scanned in October 2020 by Evangelia Alifieri on "TRIDENT", Leica DCM8, Paleovoprim Lab, CNRS and University of Poitiers scans validated by Gildas Merceron

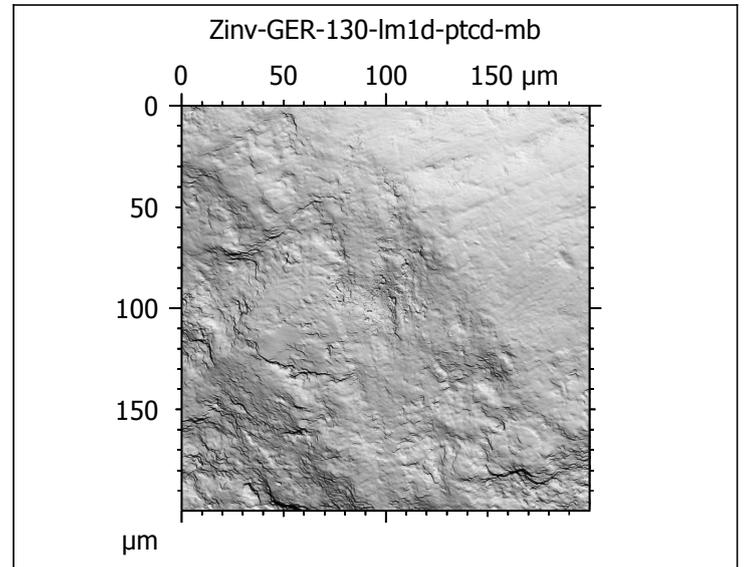
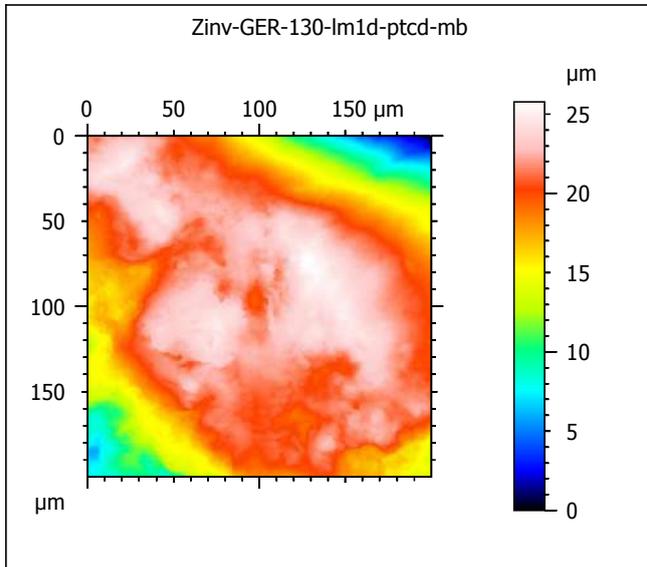




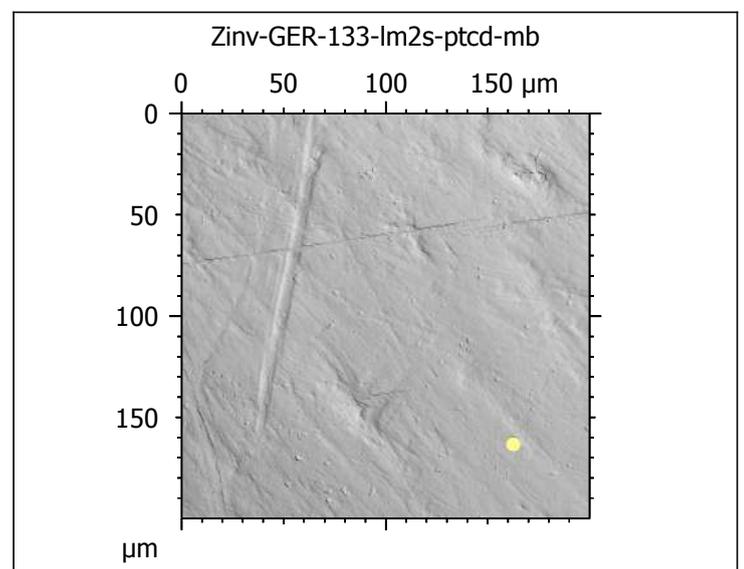
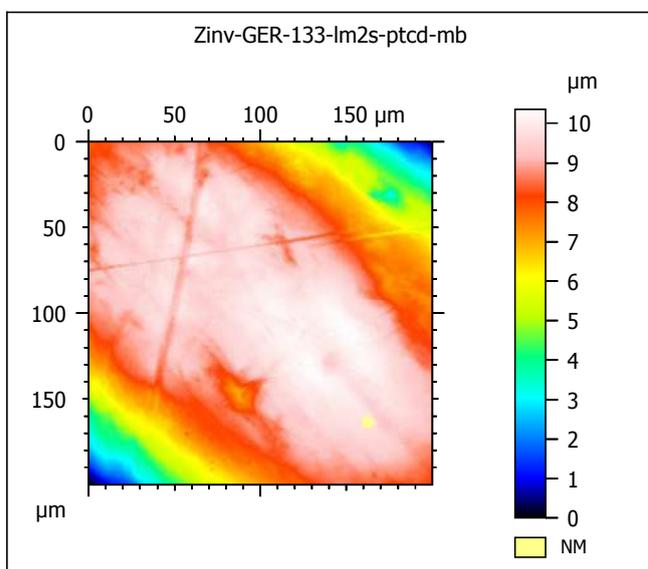
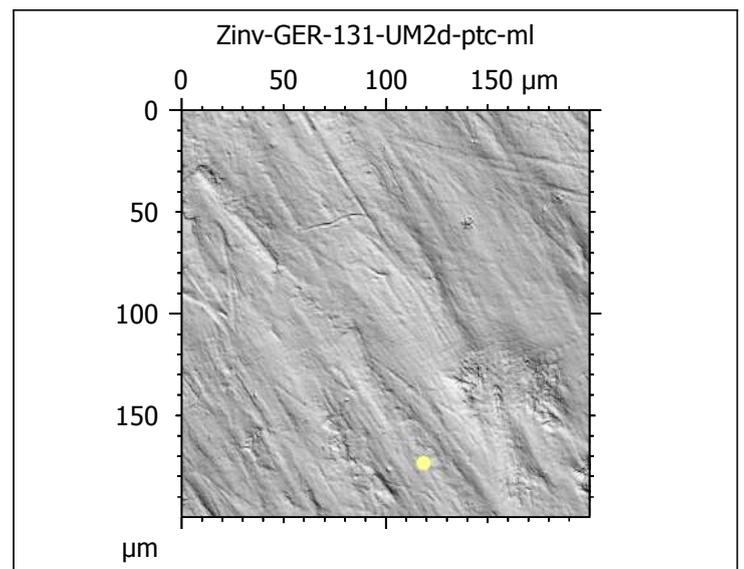
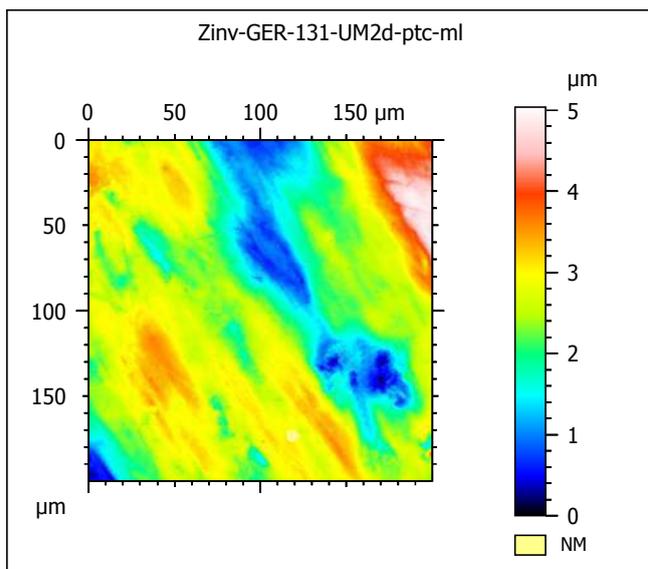
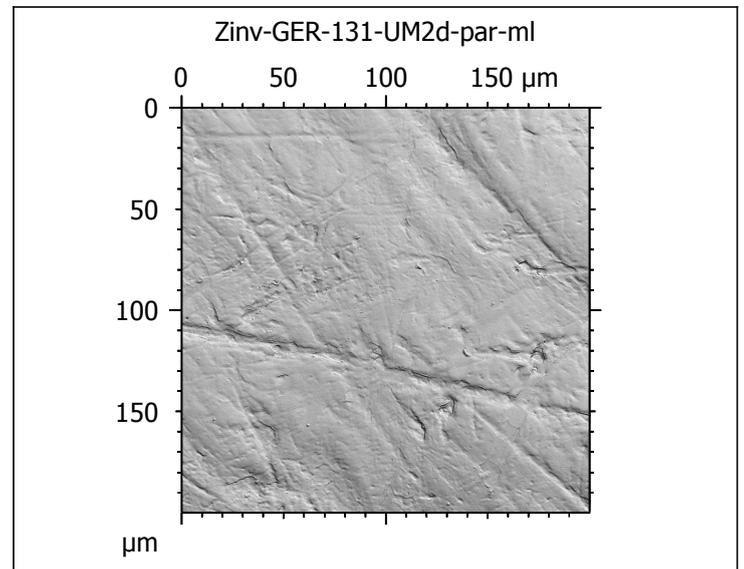
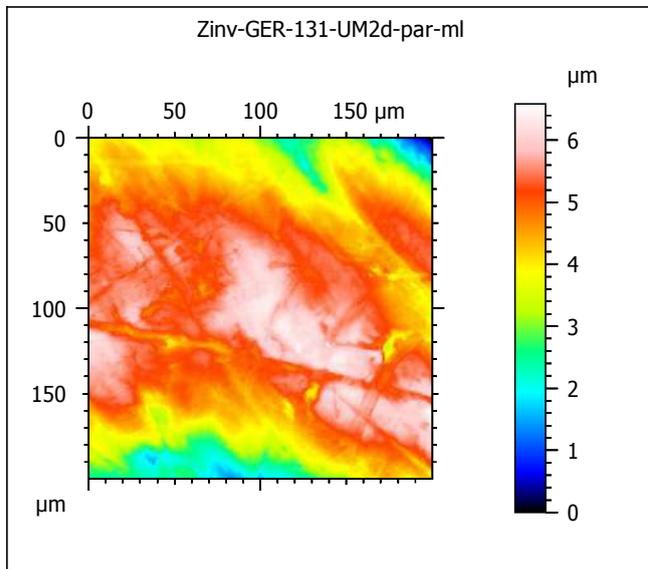


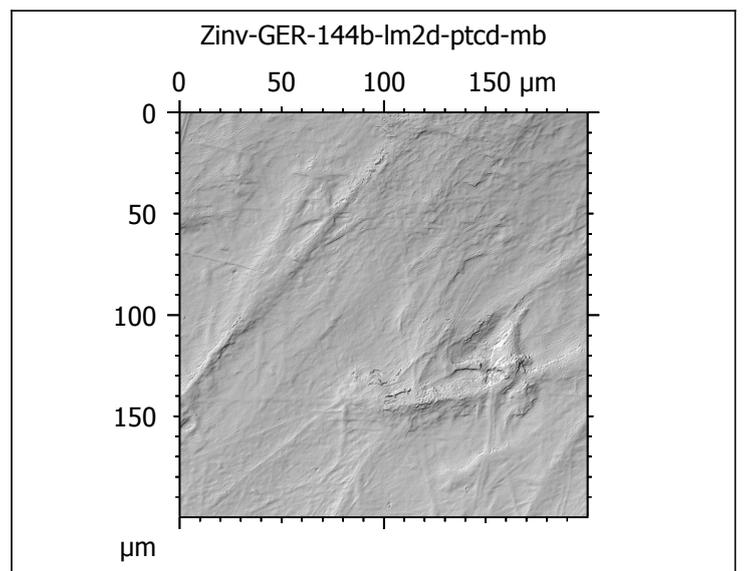
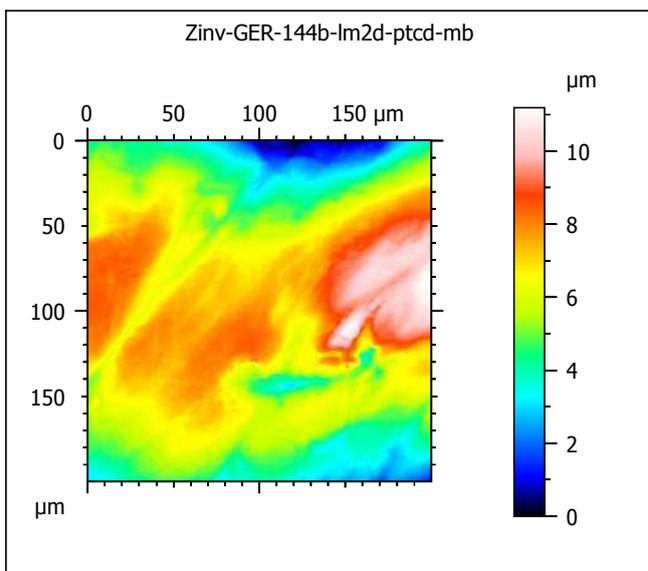
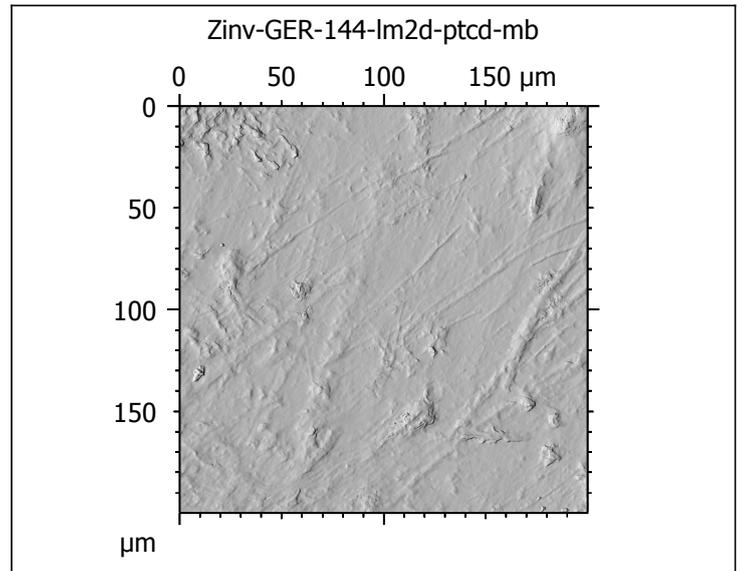
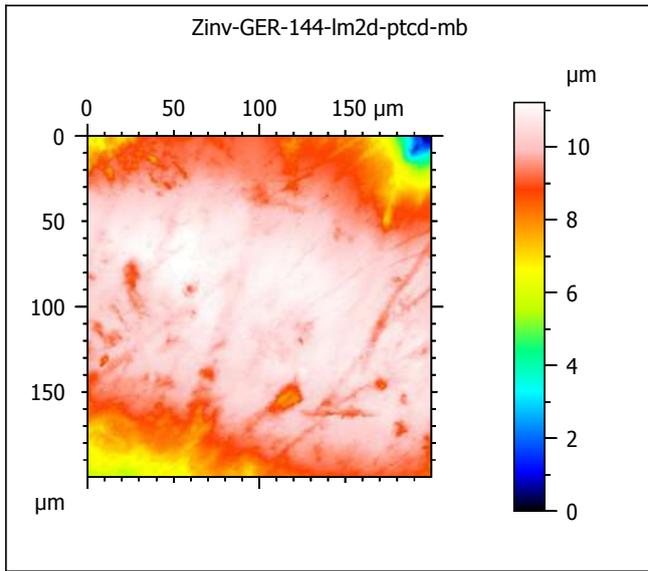
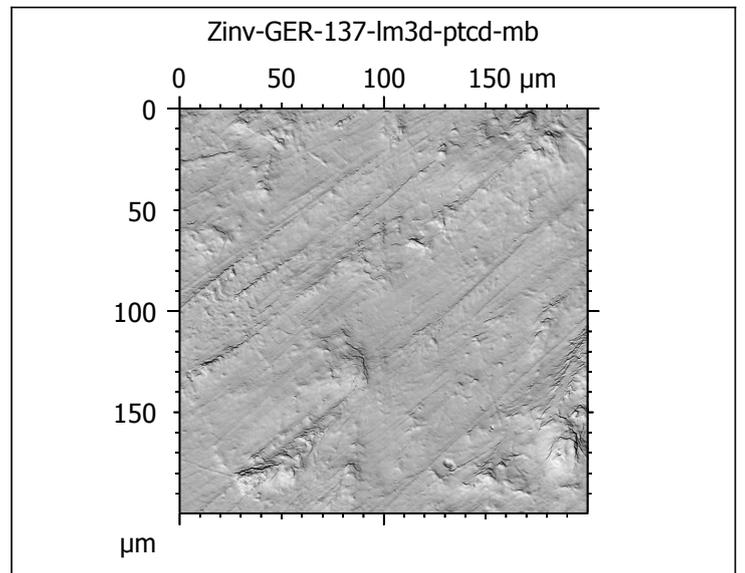
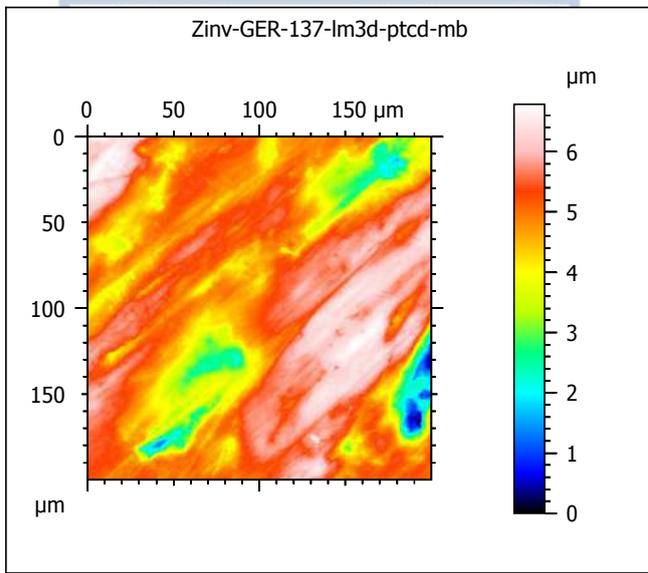
A1b

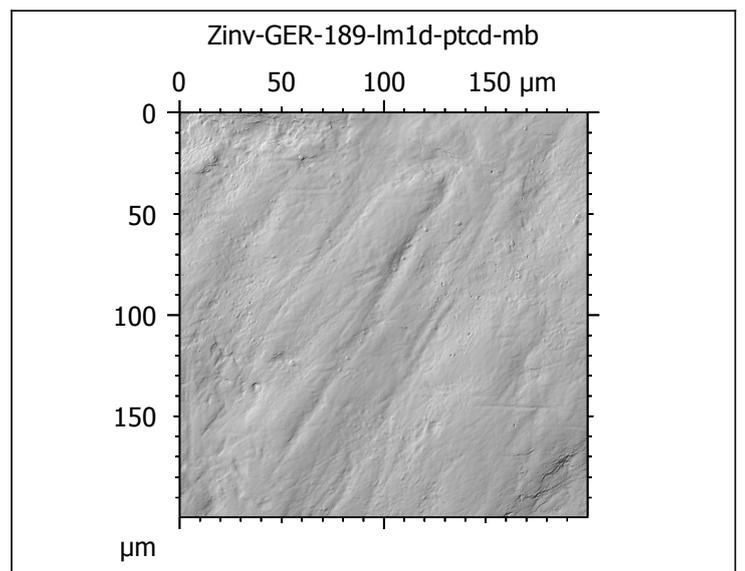
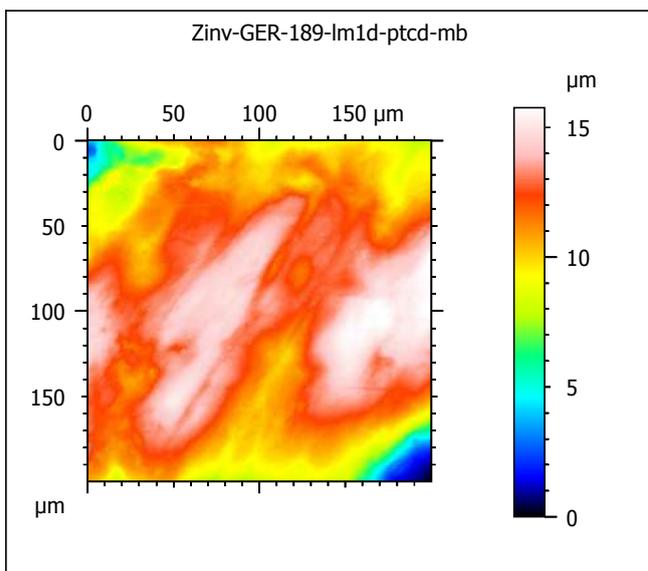
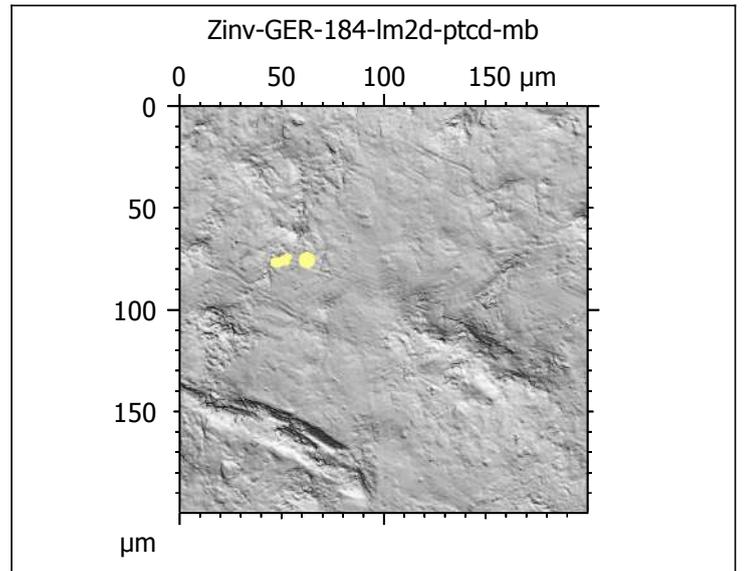
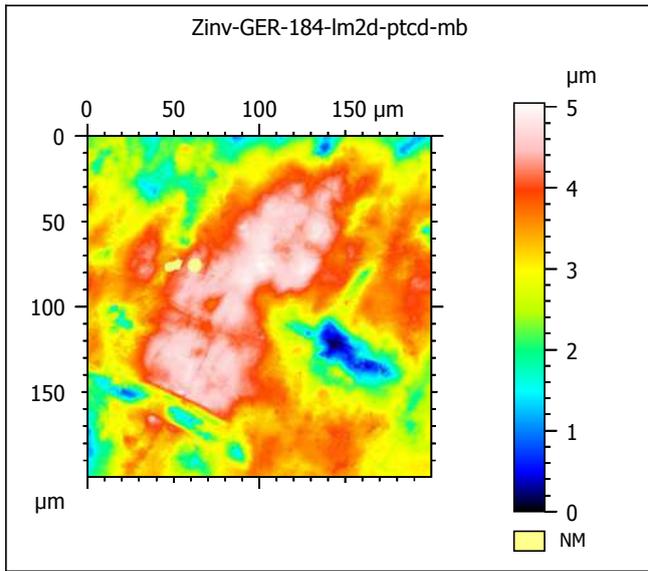
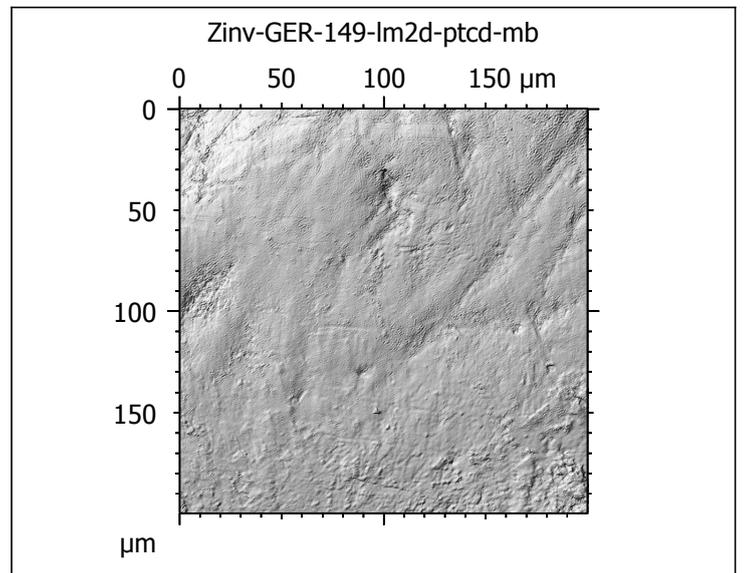
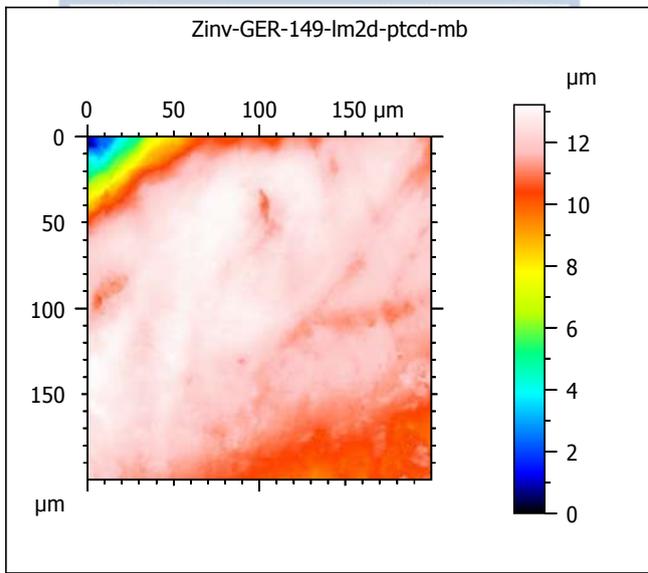
Specimens of and *Leptobos* from Gerakarou, lower Pleistocene of Greece scanned in October 2020 by Evangelia Alifieri on "TRIDENT", Leica DCM8, Palevoprim Lab, CNRS and University of Poitiers scans validated by Gildas Merceron

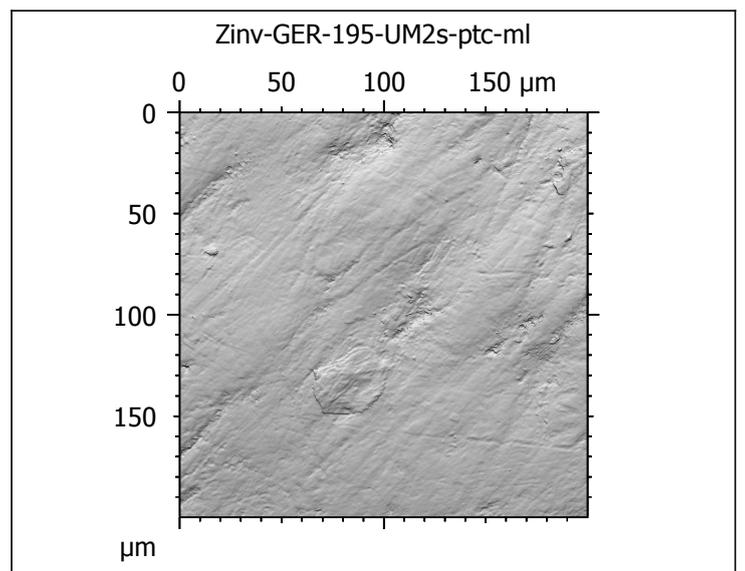
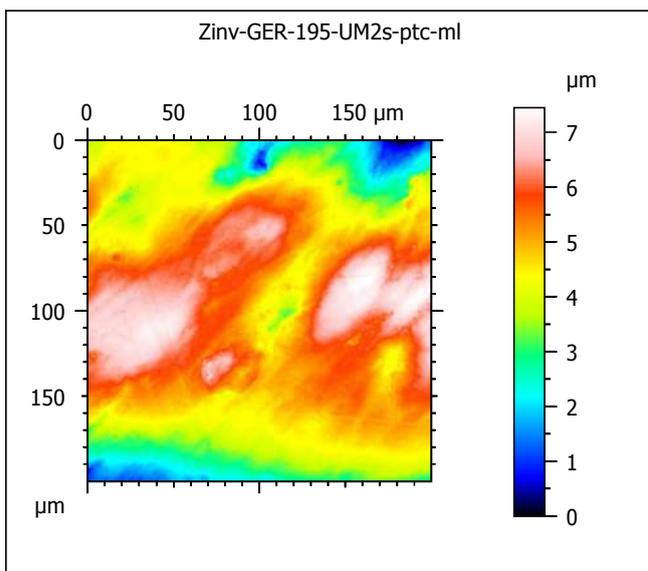
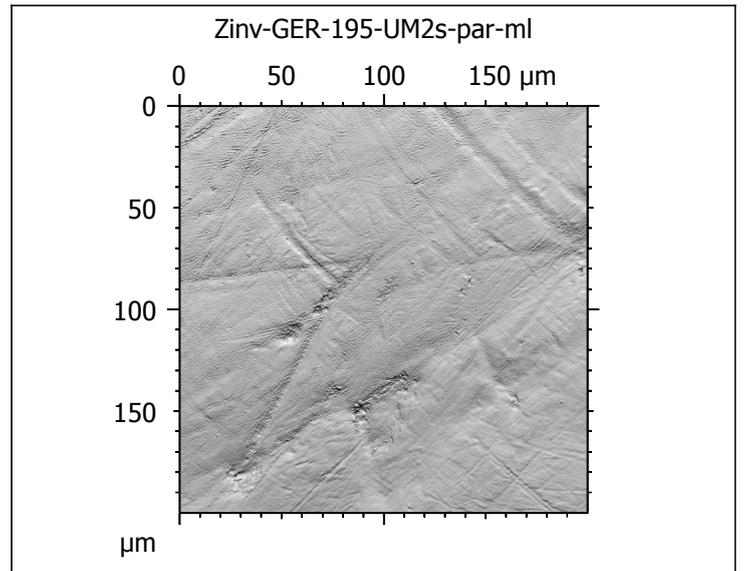
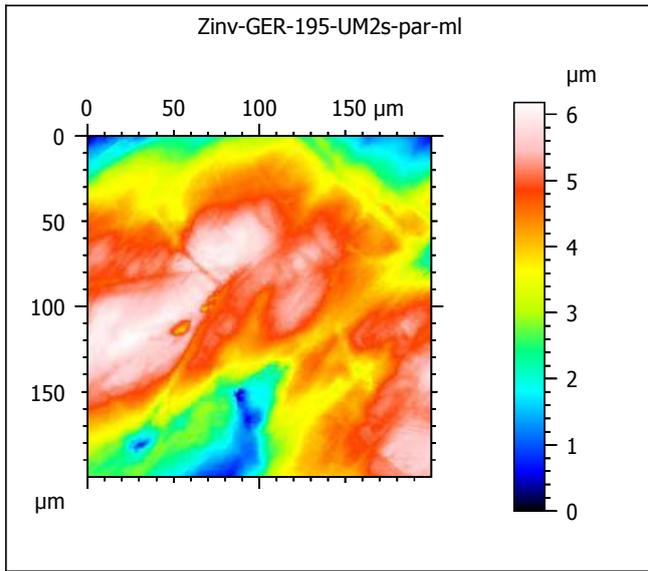
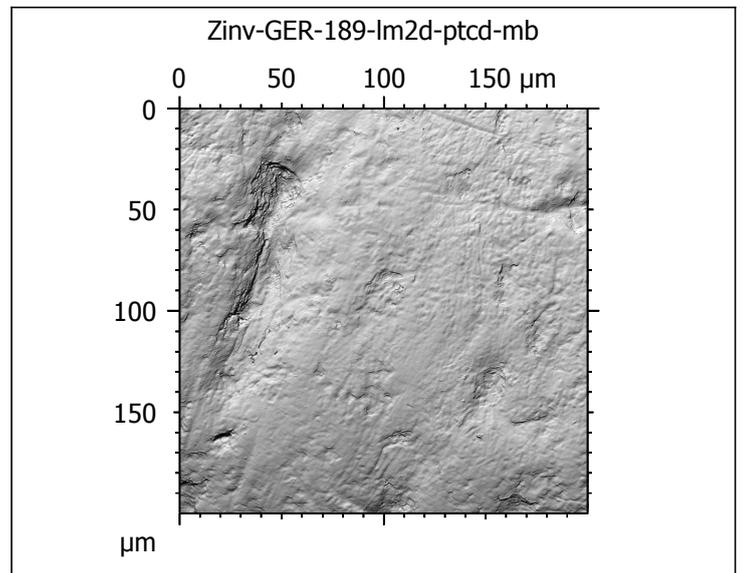
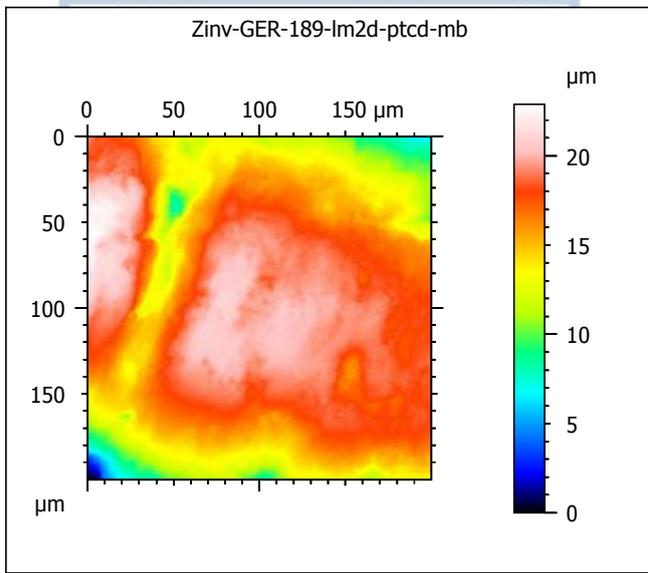


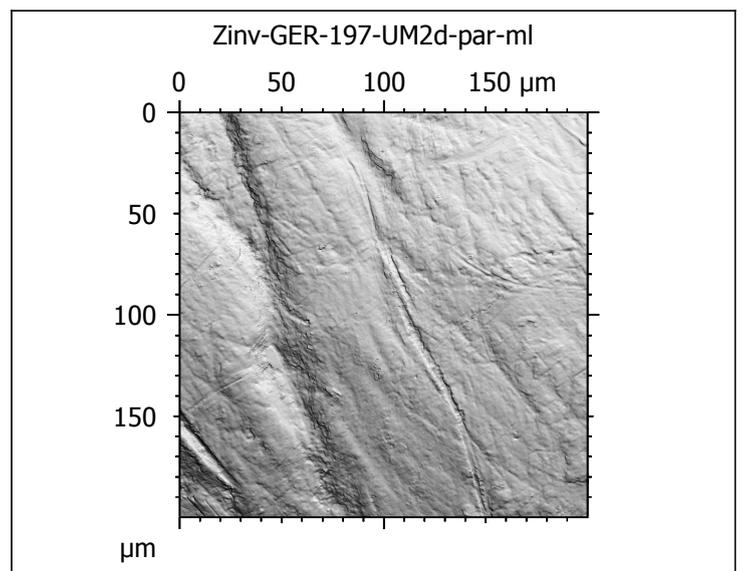
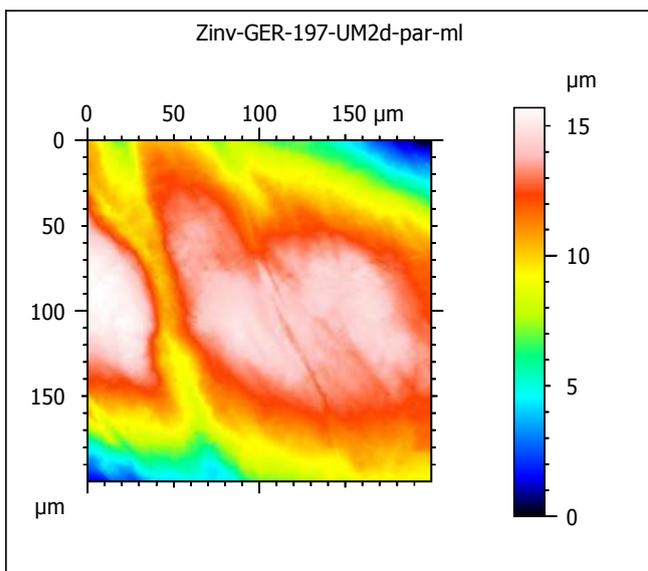
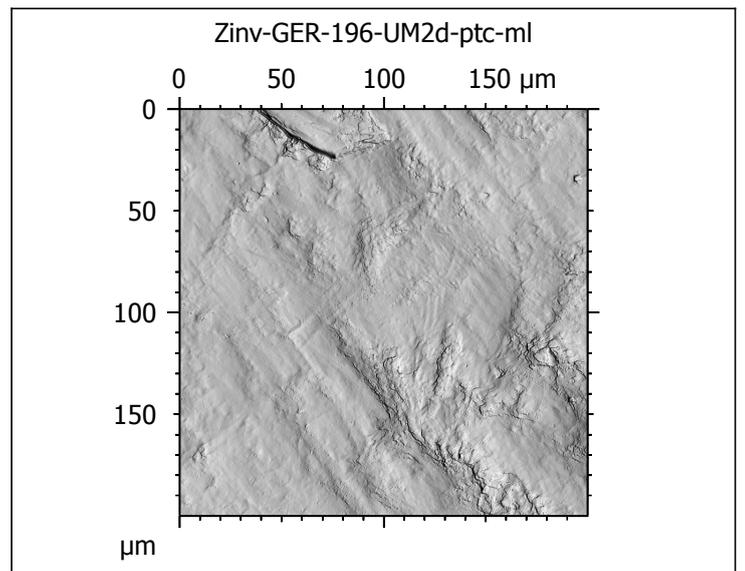
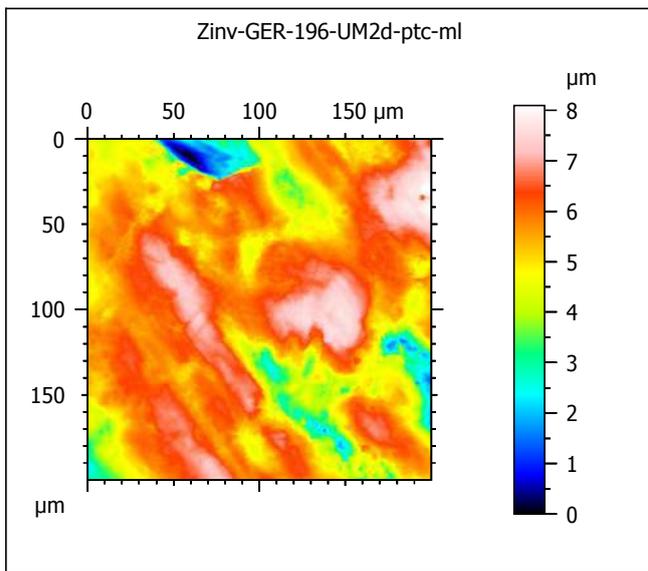
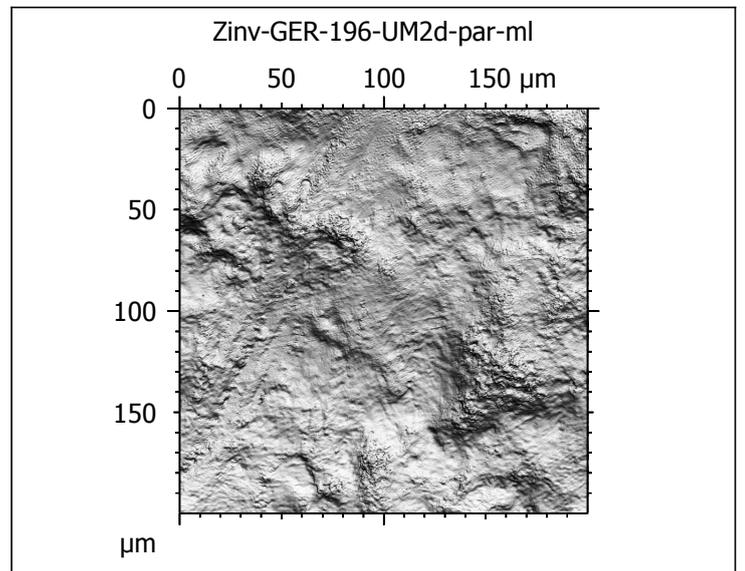
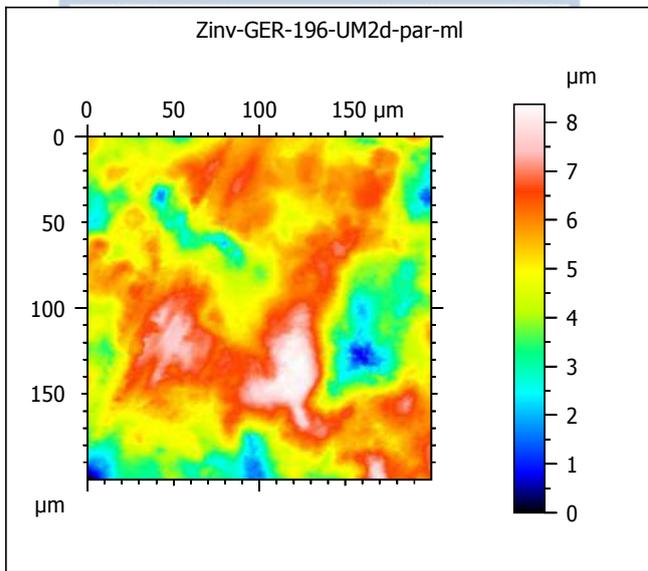
Specimens of *Gazella* from Gerakarou, lower Pleistocene of Greece scanned in October 2020 by Evangelia Alifieri on "TRIDENT", Leica DCM8, Paleovoprim Lab, CNRS and University of Poitiers scans validated by Gildas Merceron

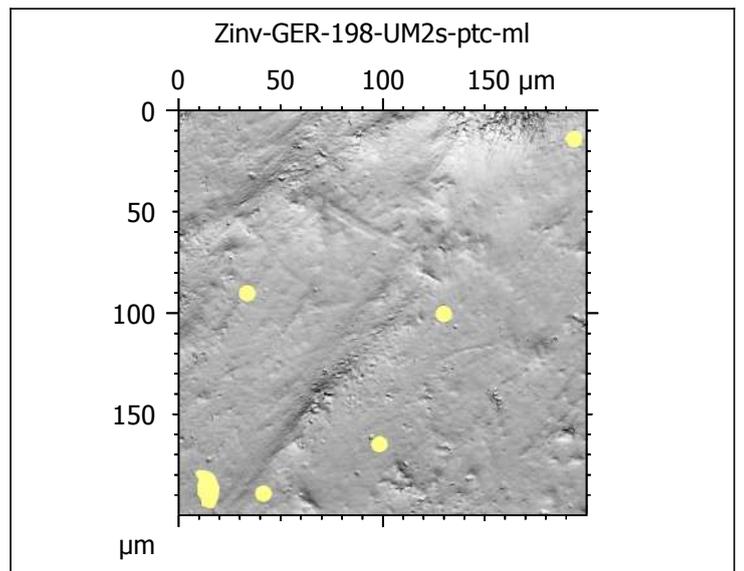
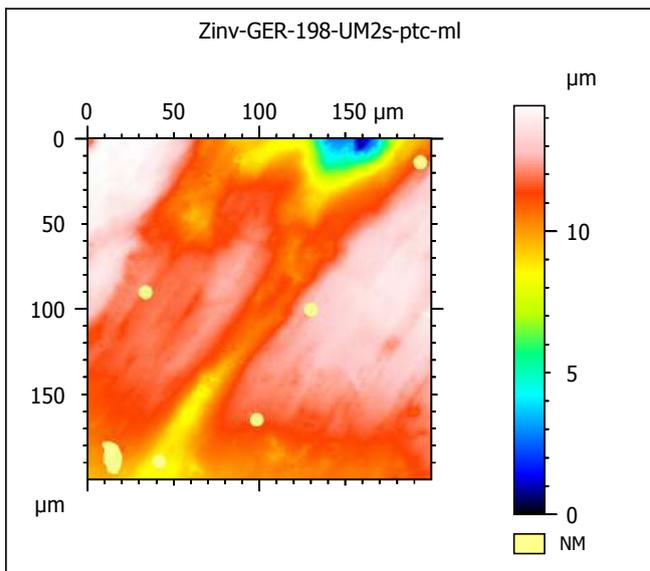
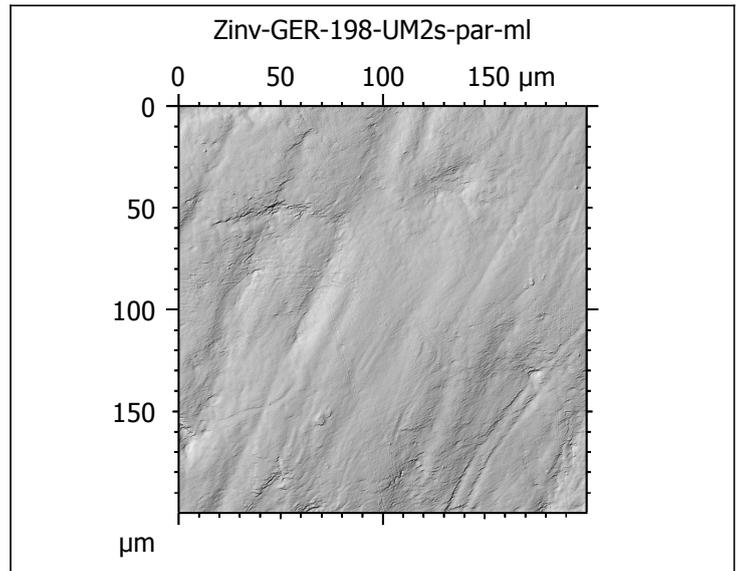
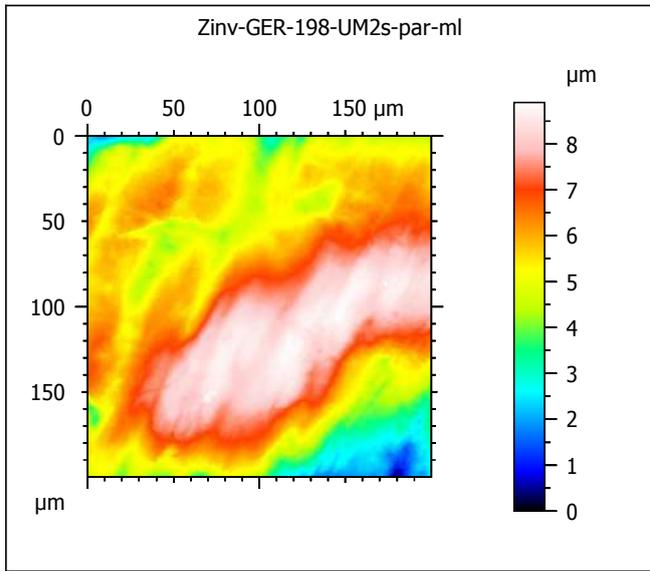
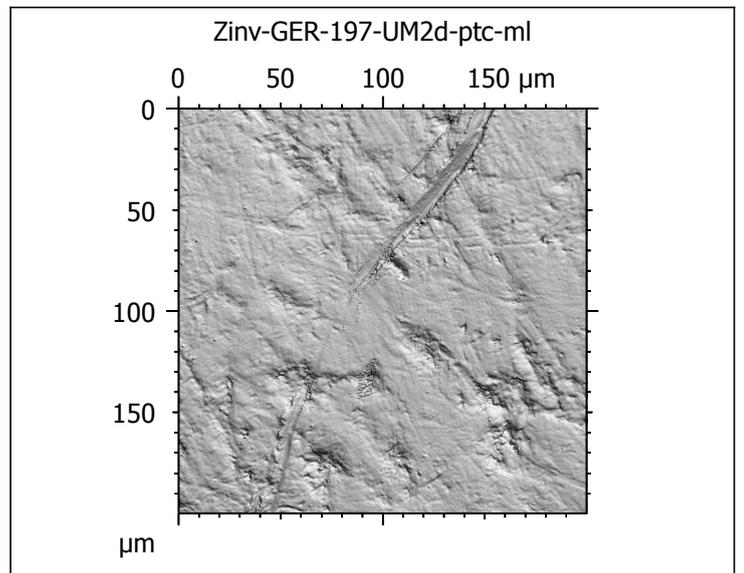
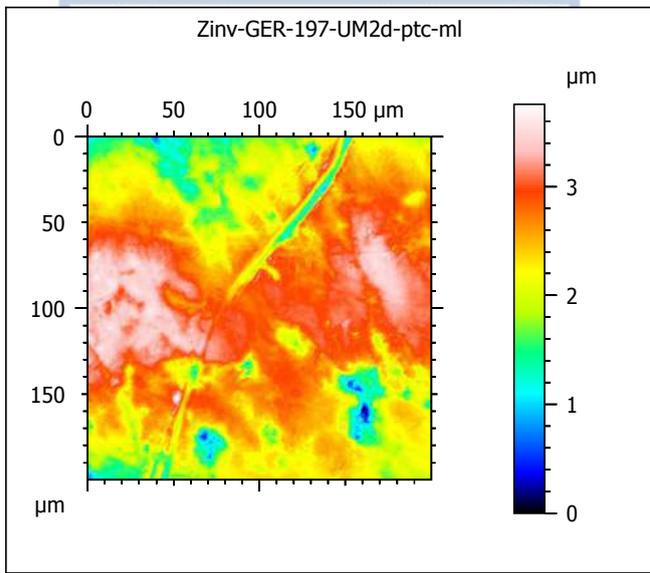


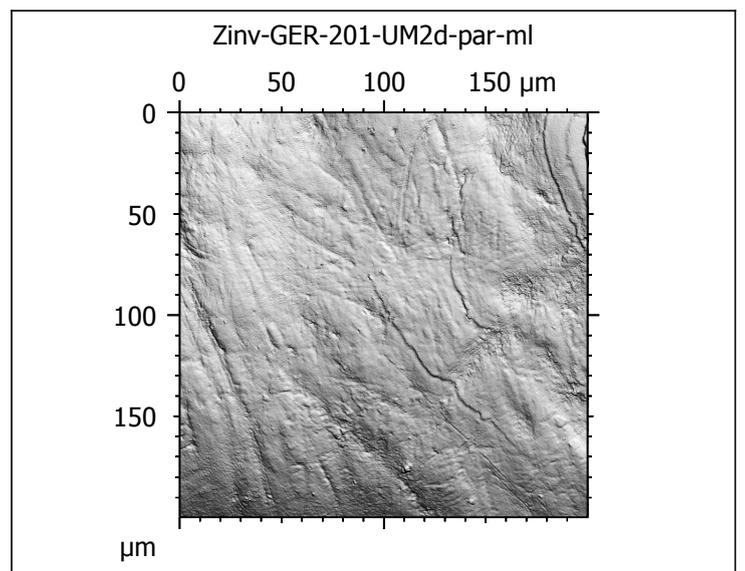
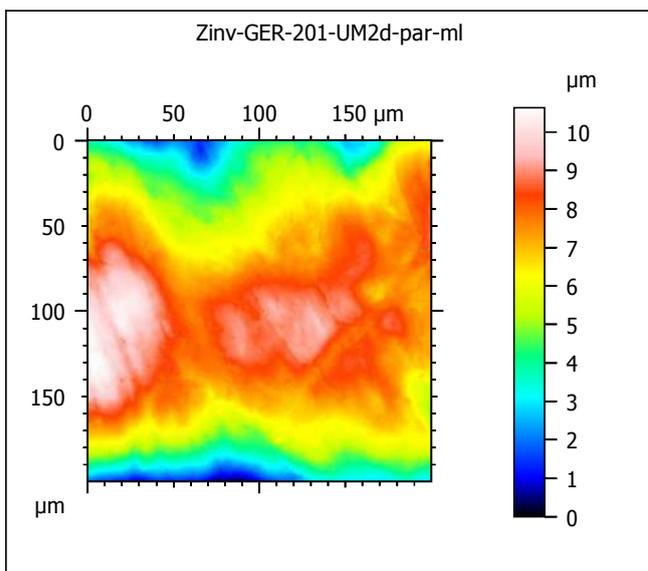
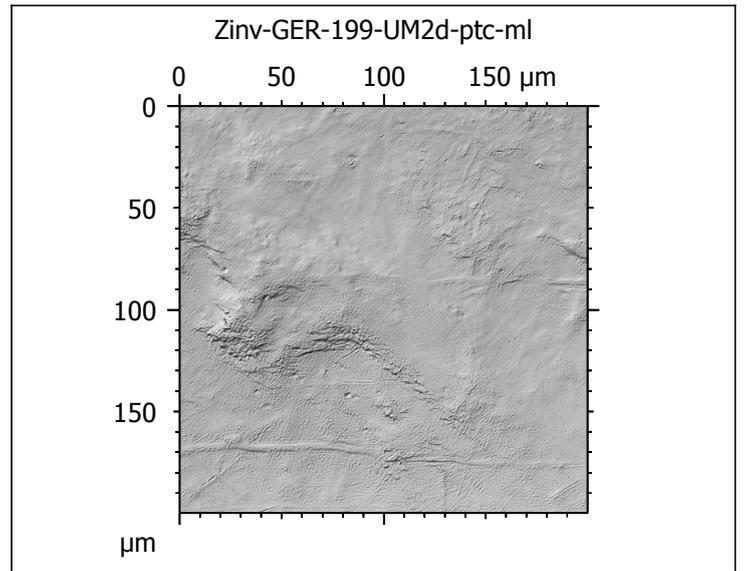
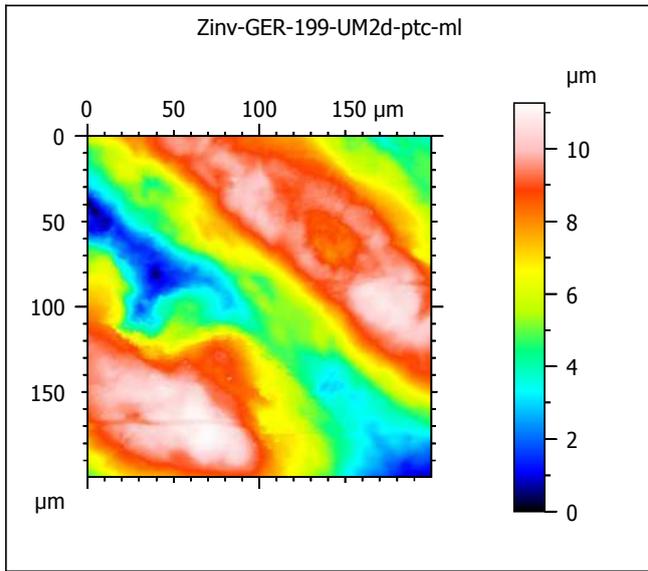
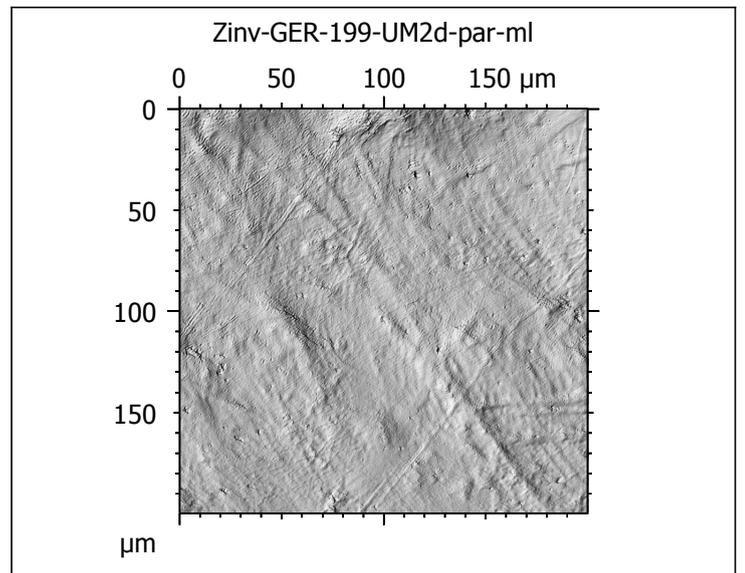
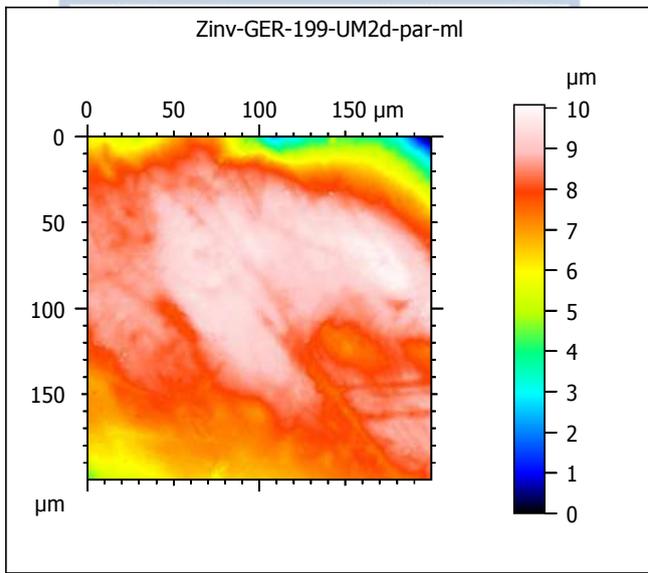


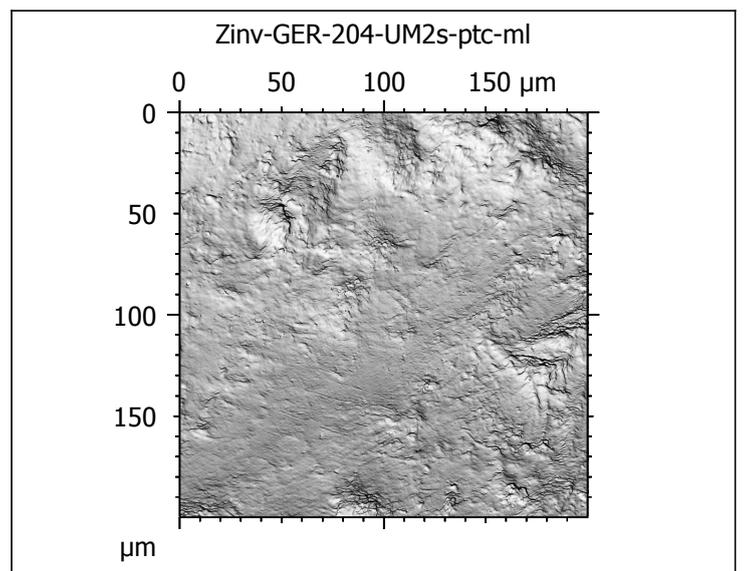
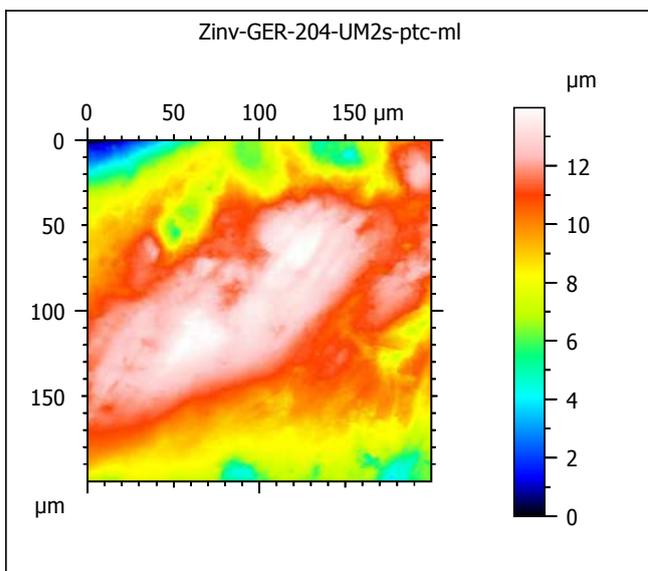
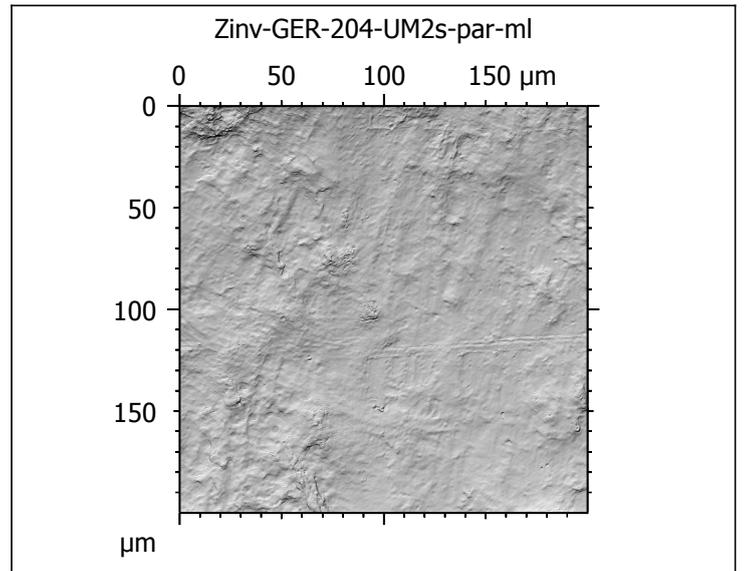
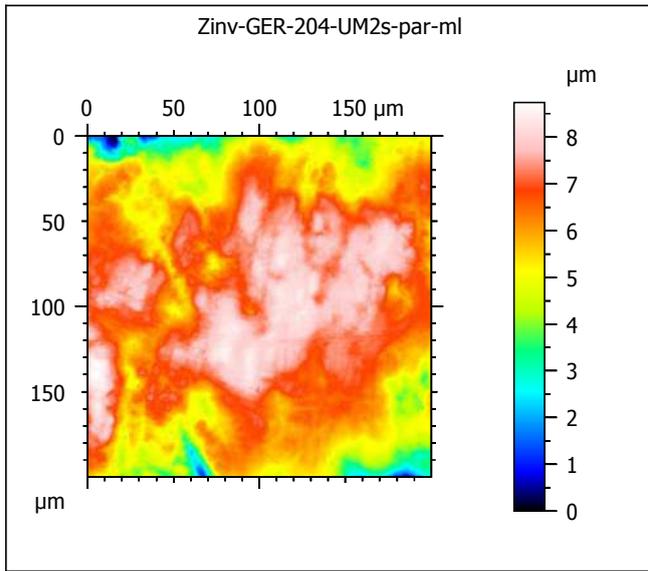
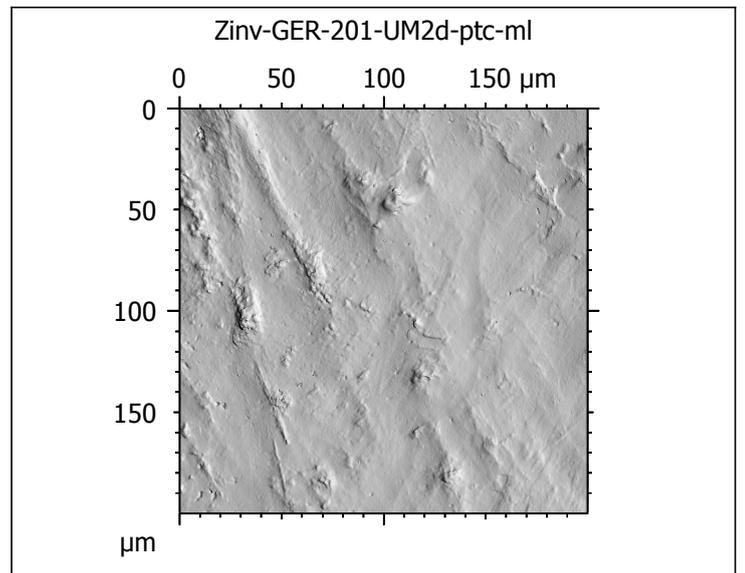
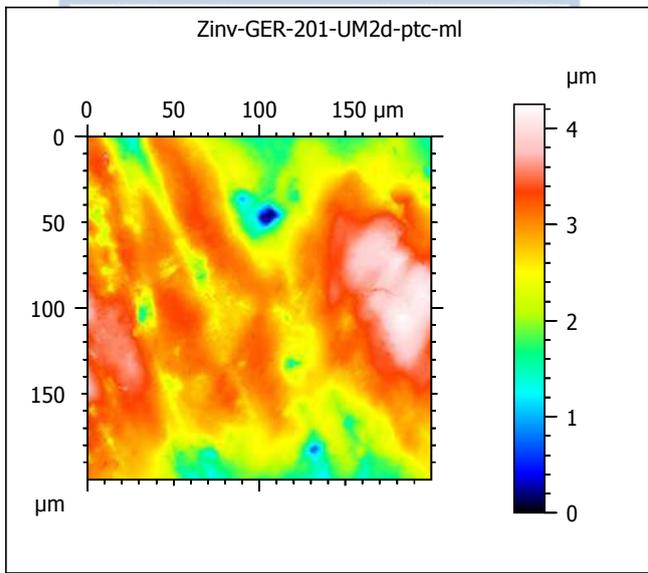


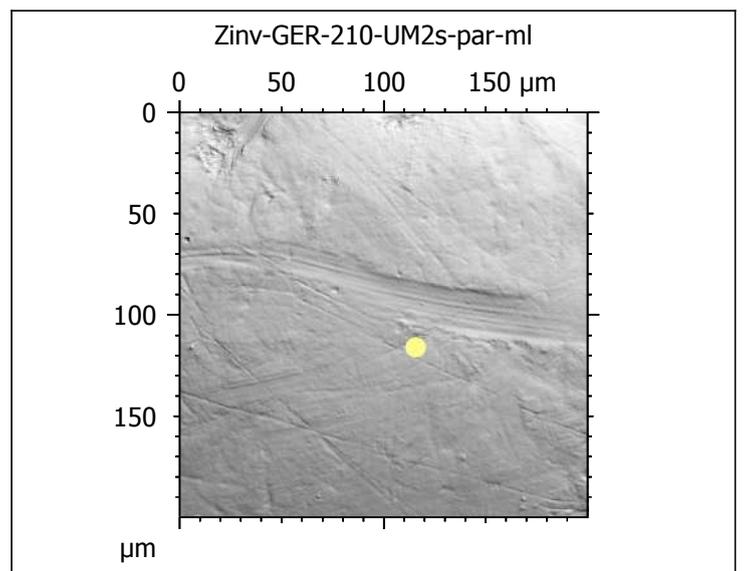
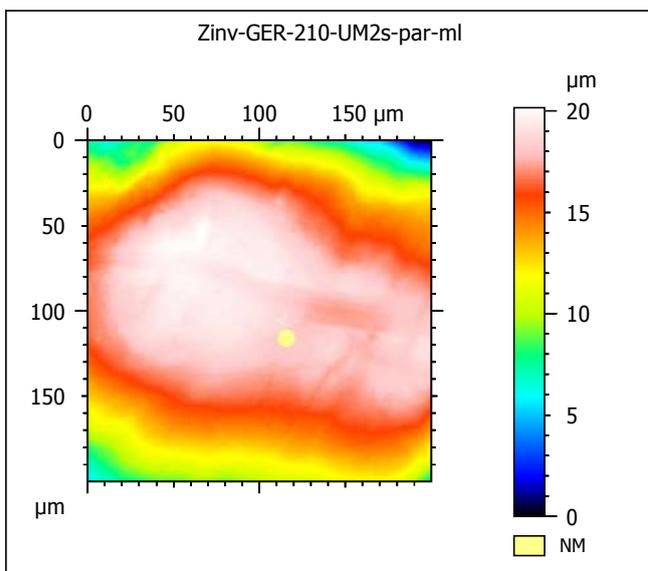
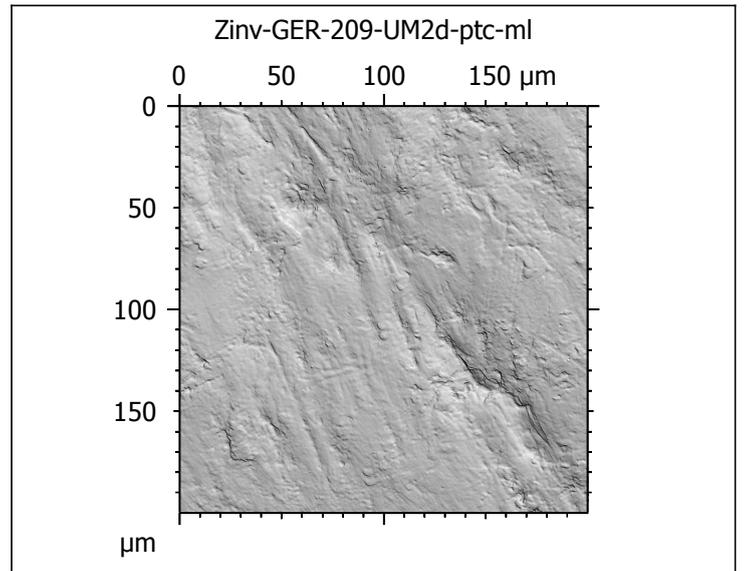
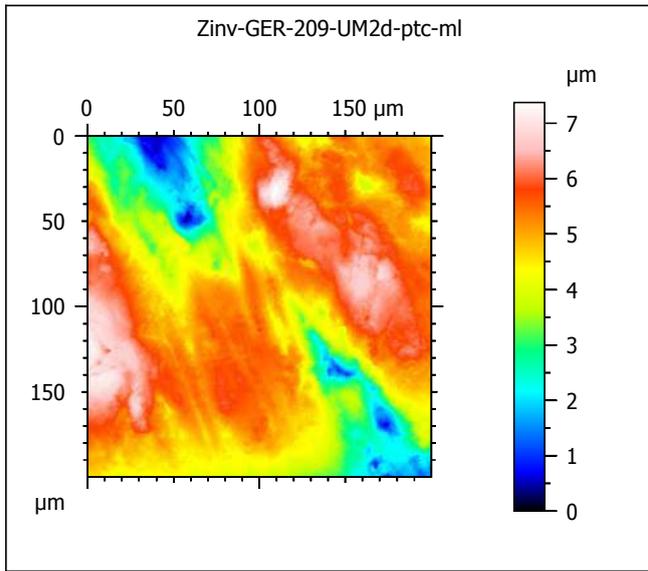
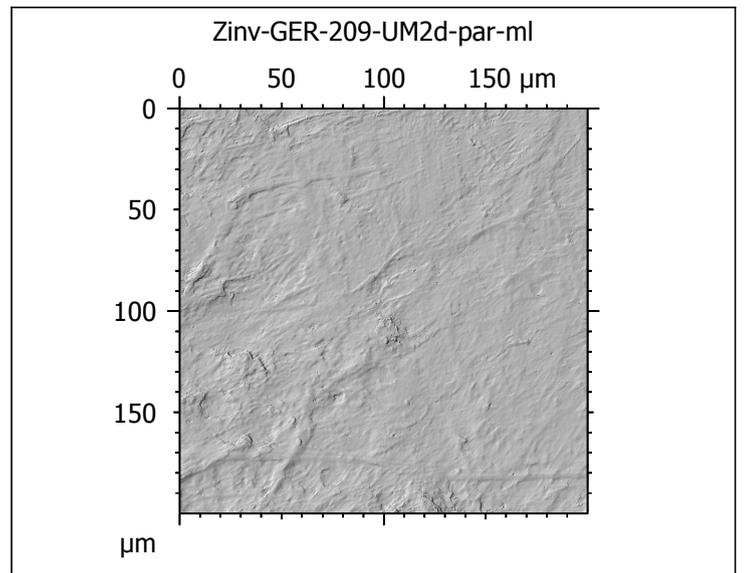
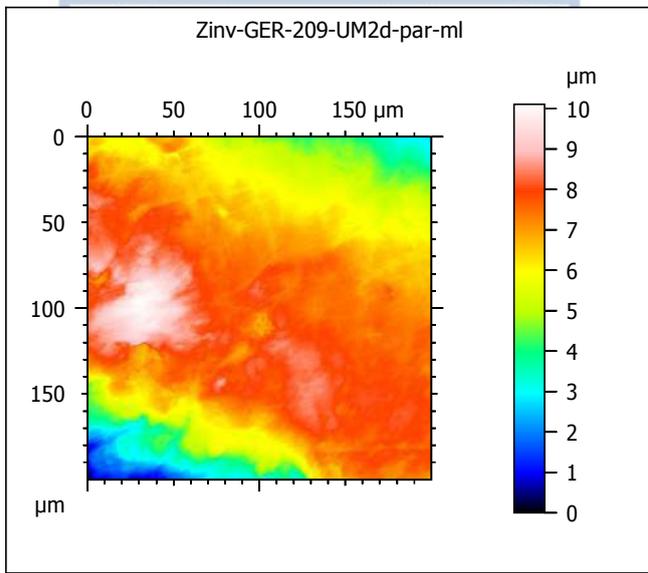


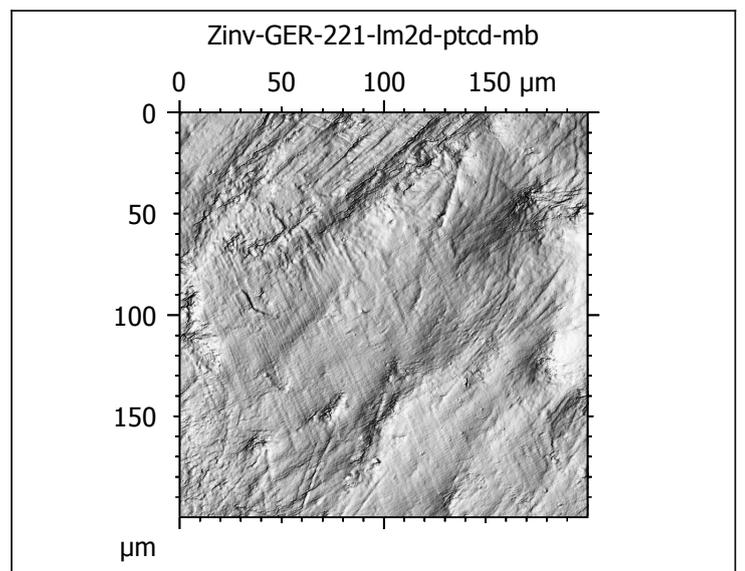
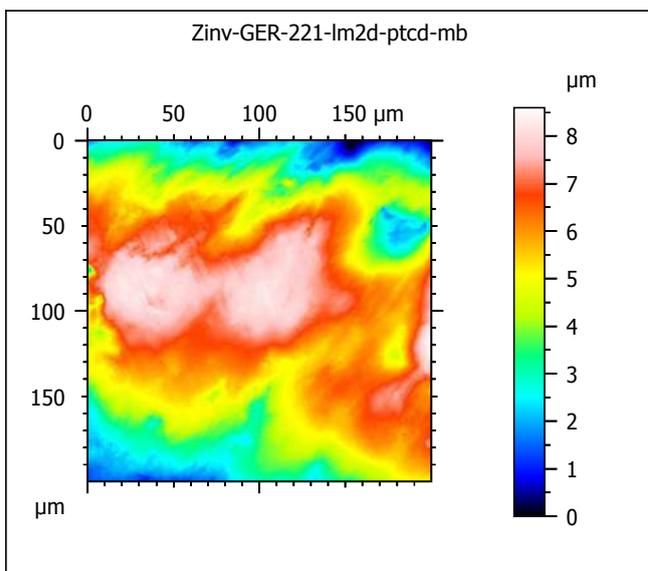
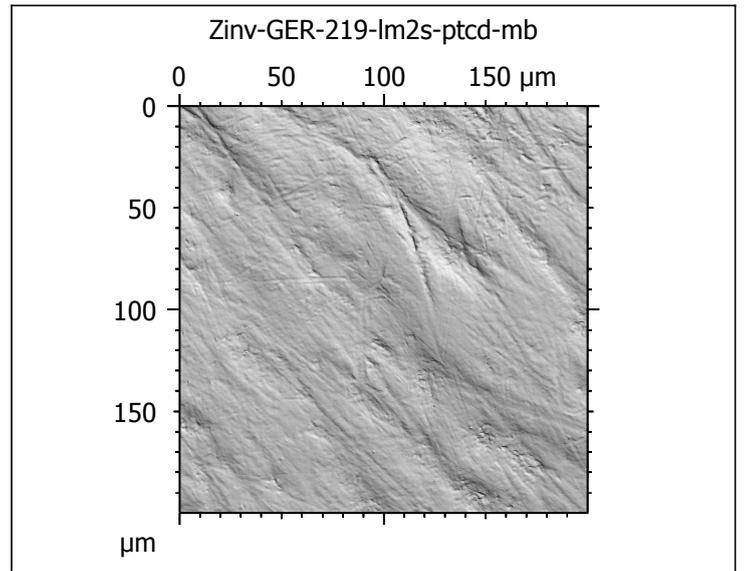
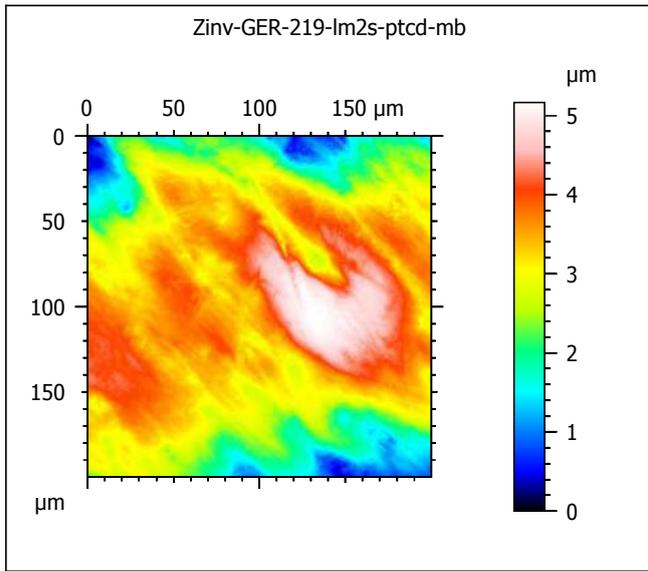
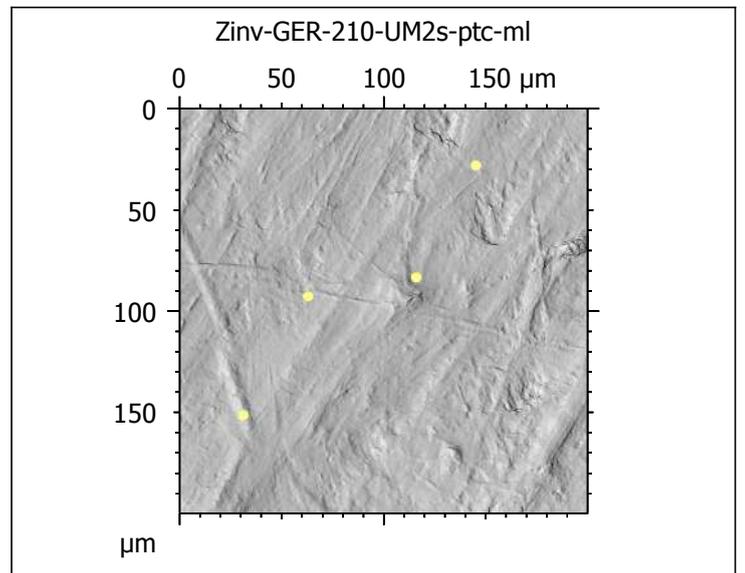
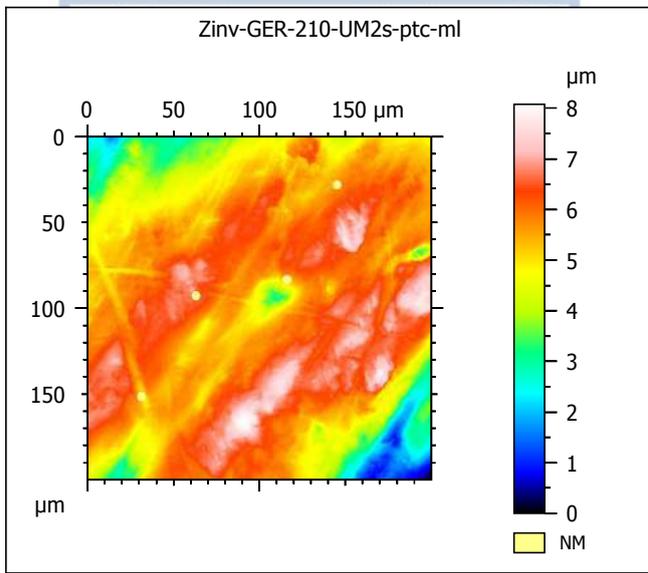


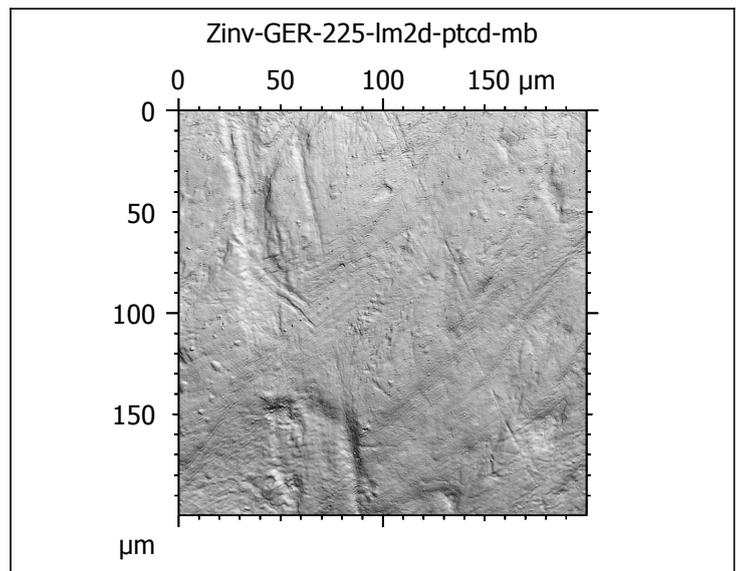
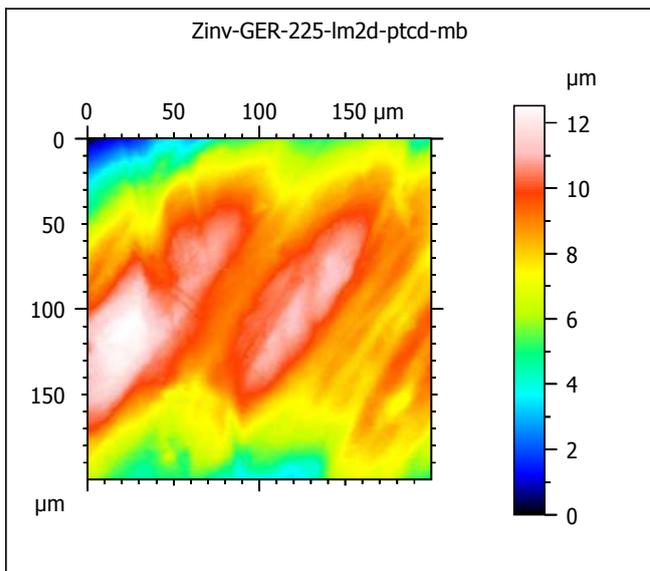
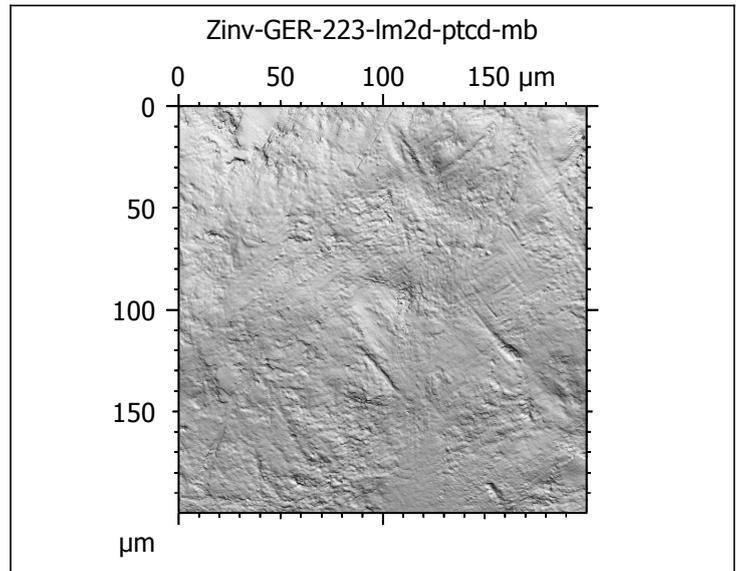
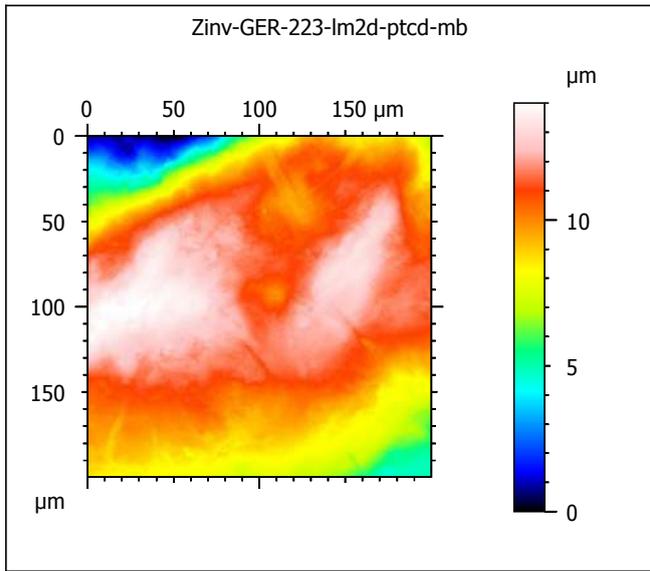
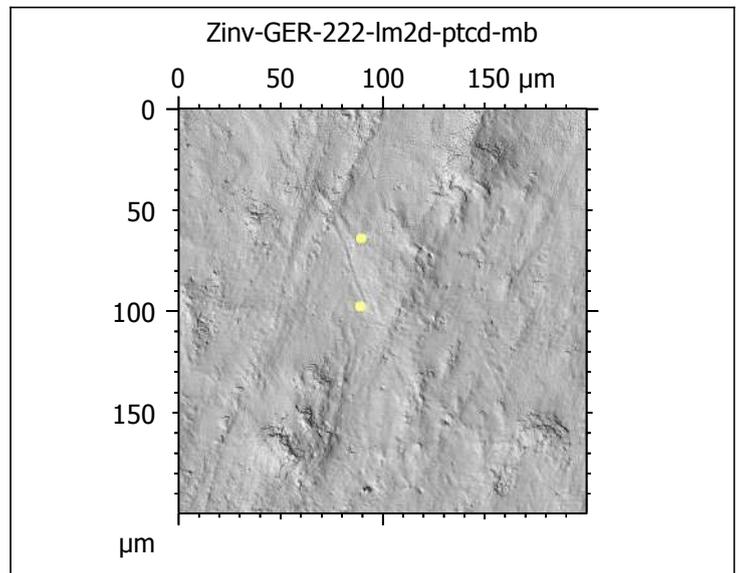
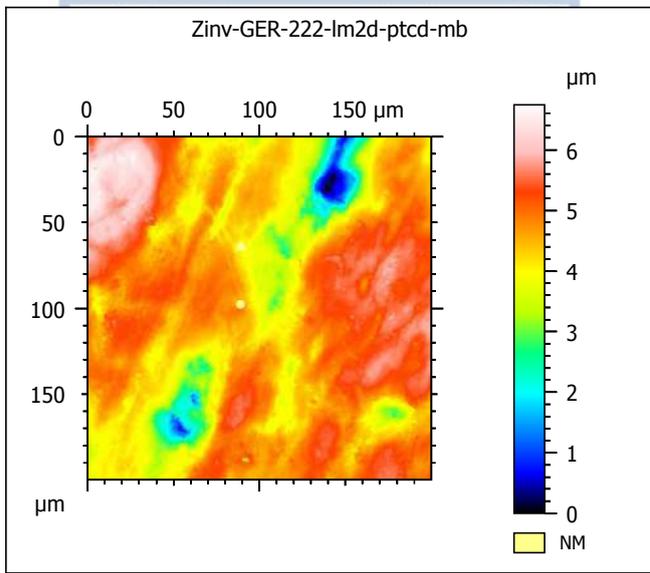


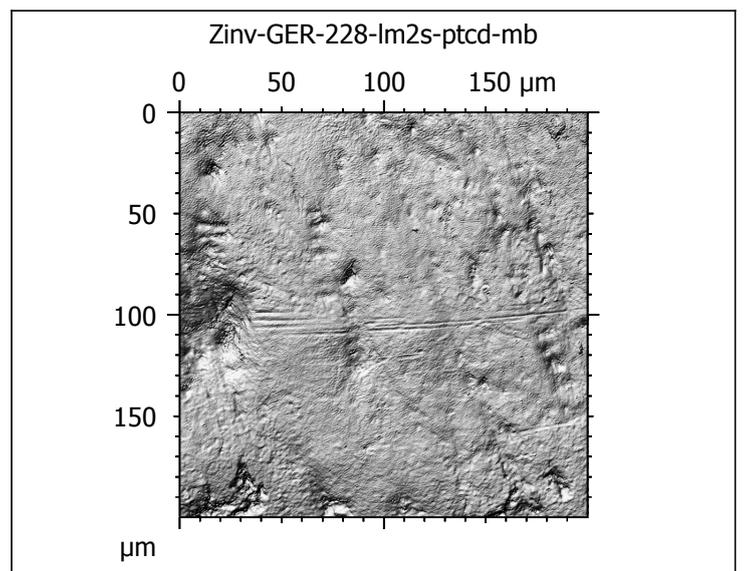
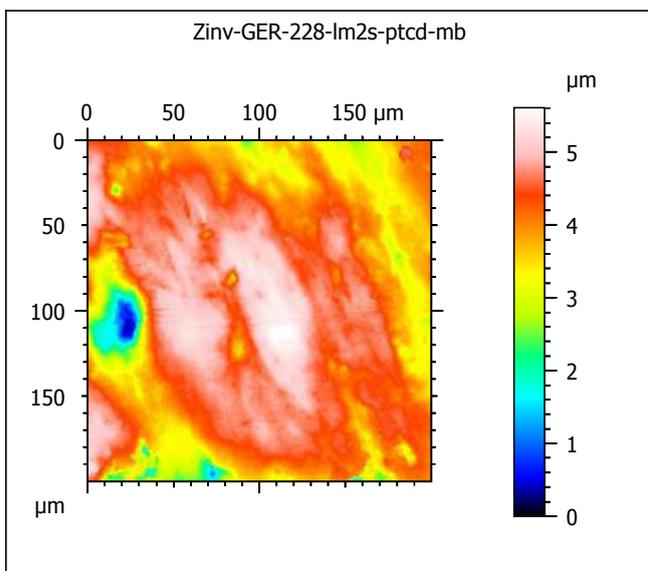
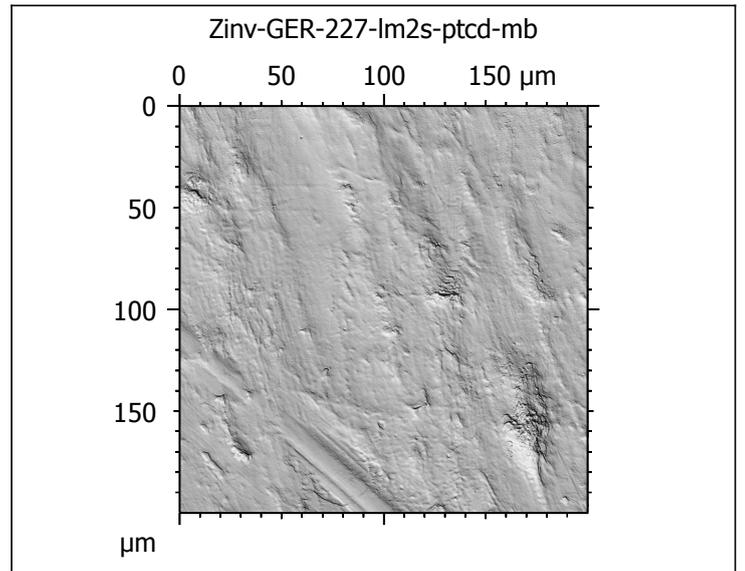
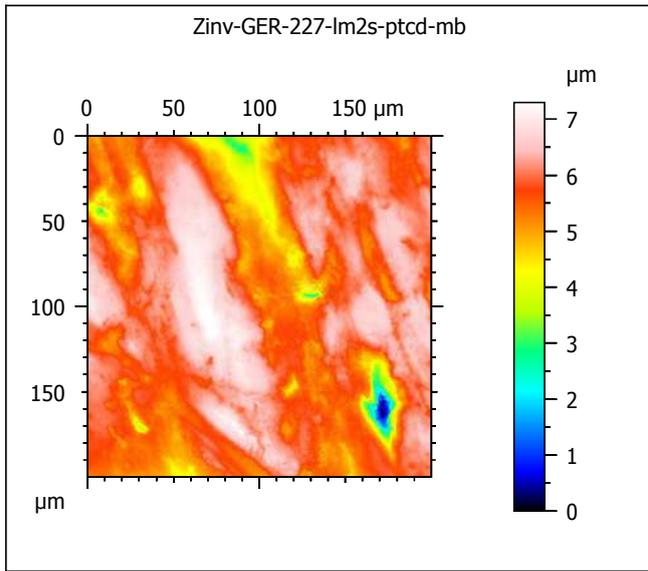
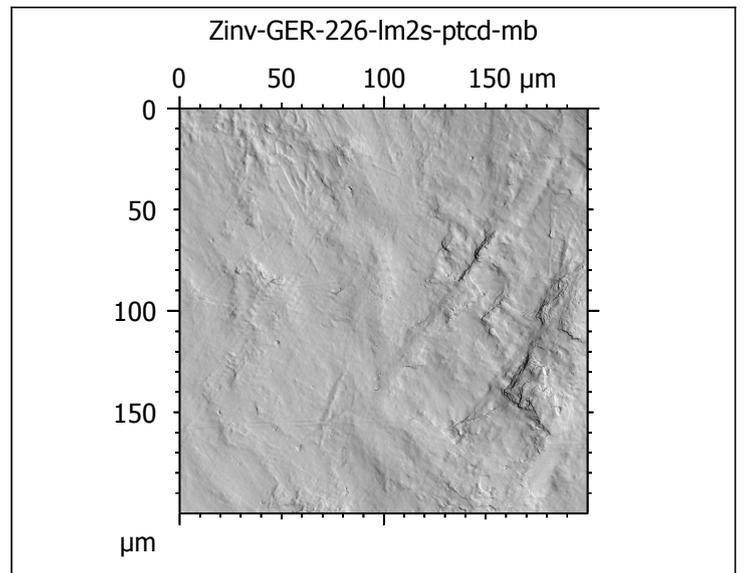
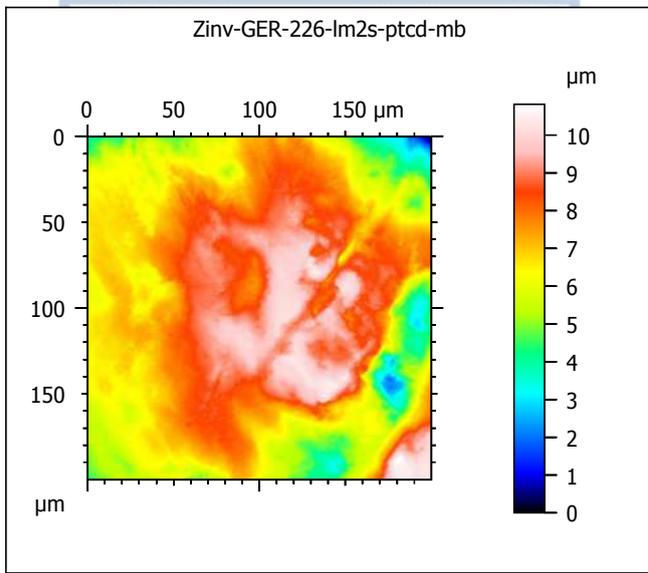


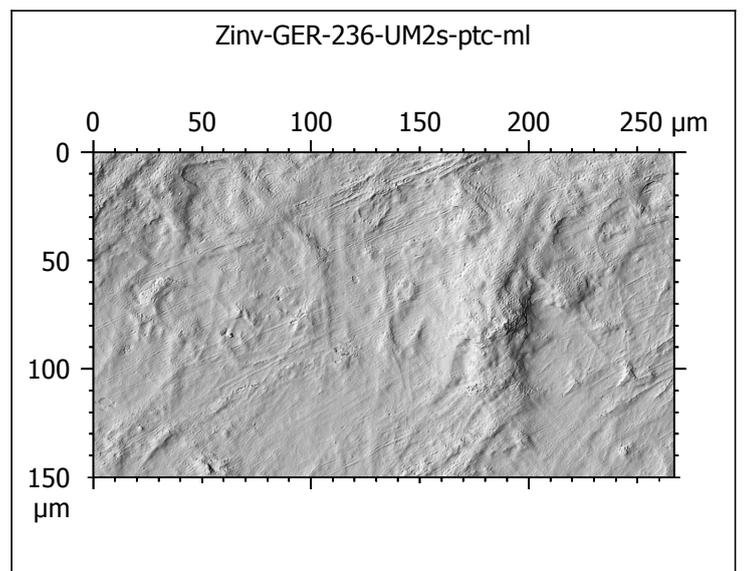
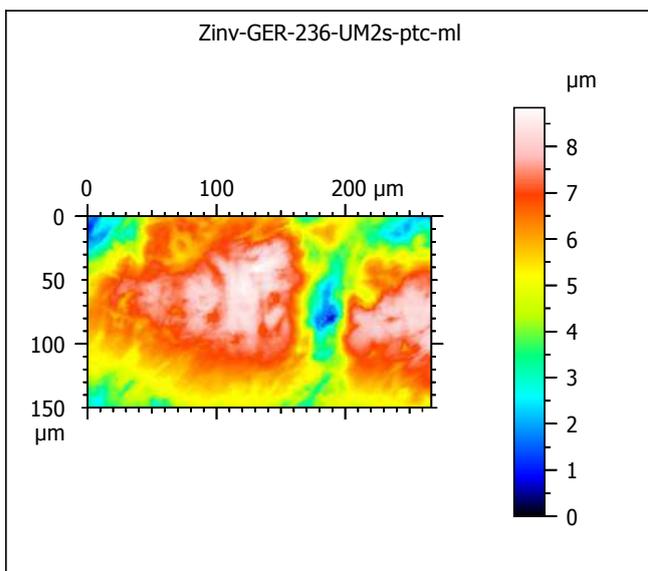
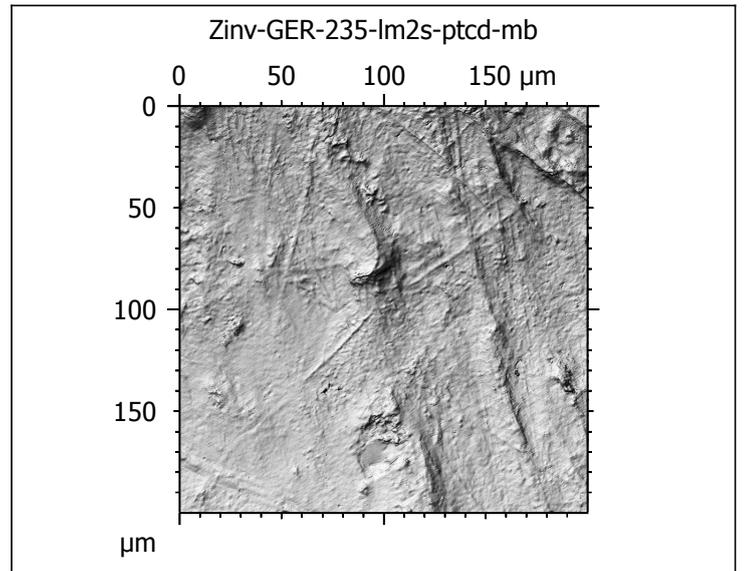
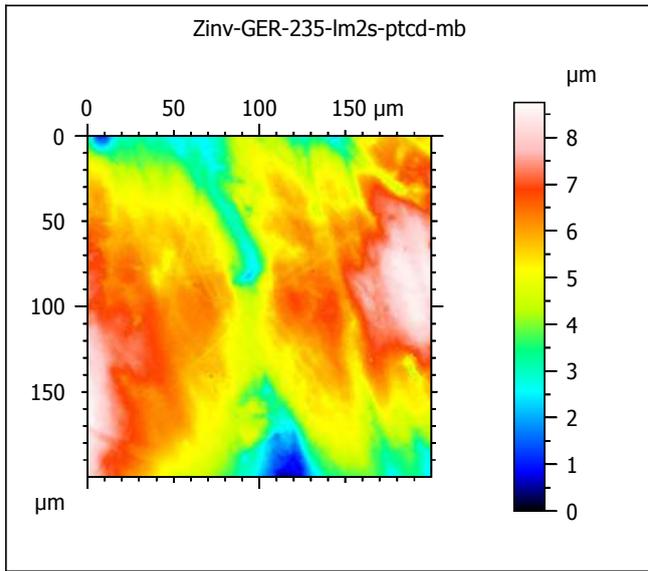
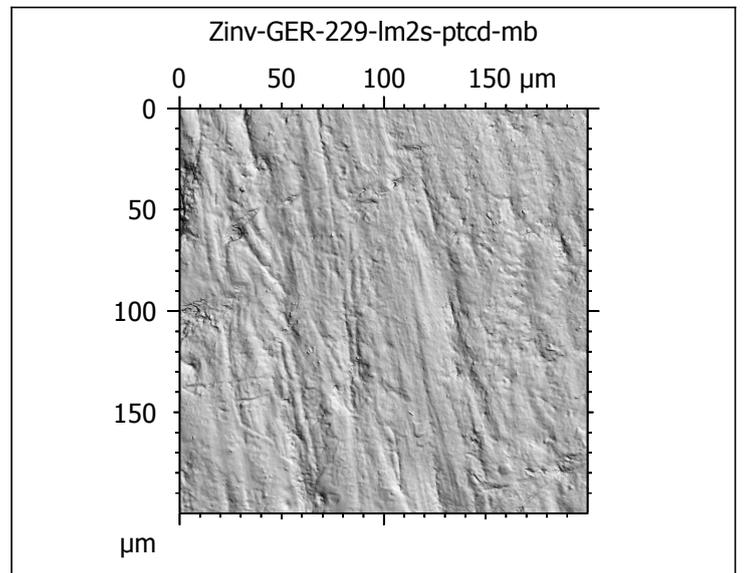
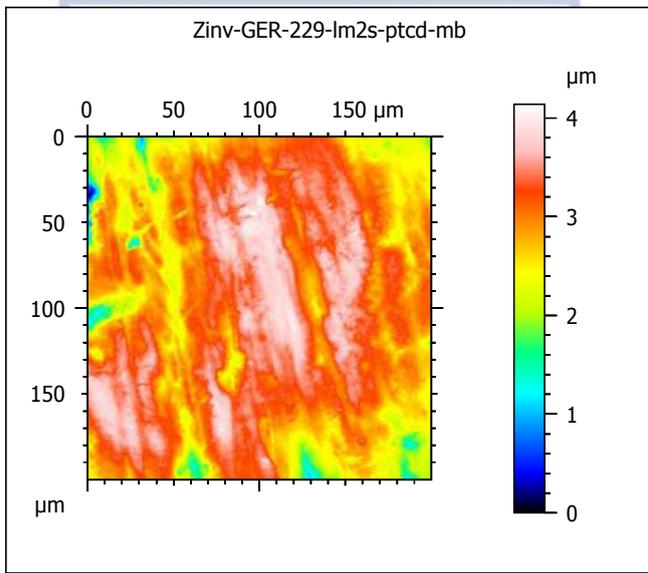


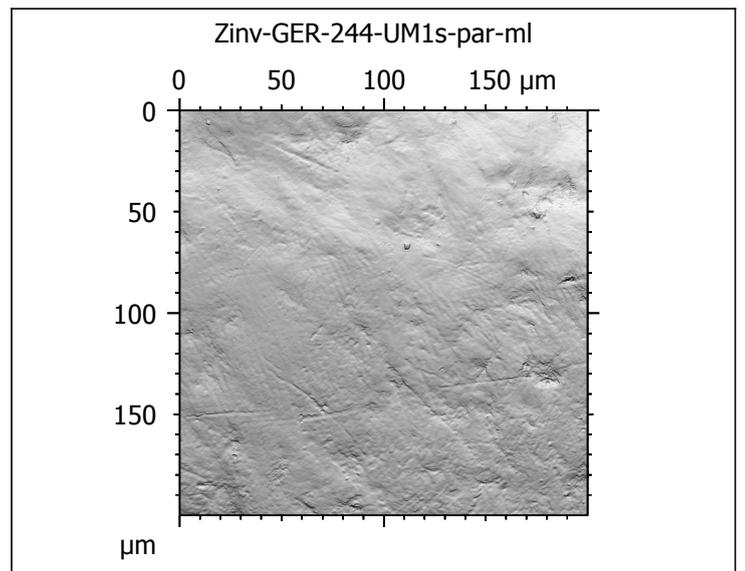
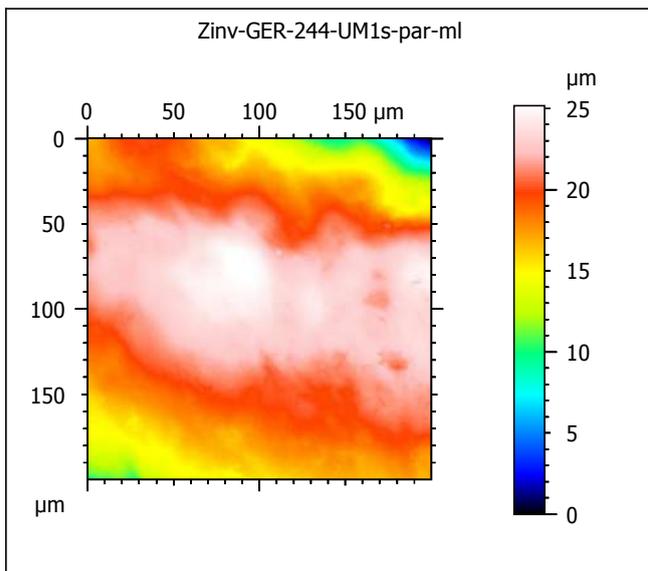
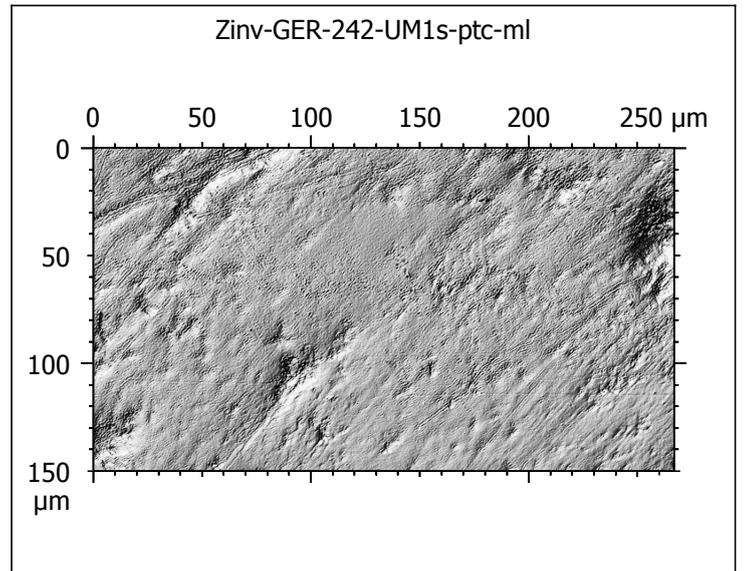
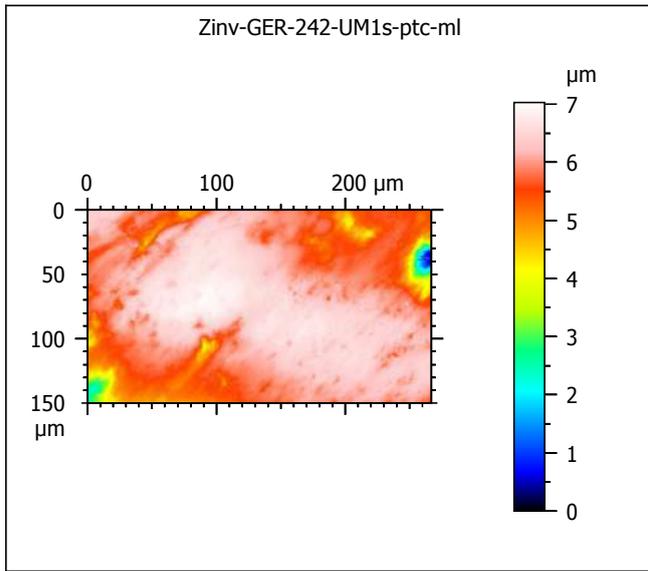
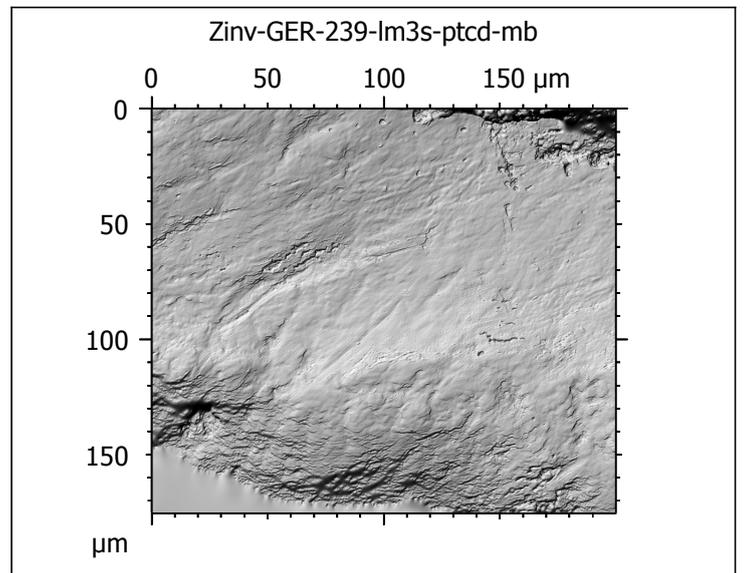
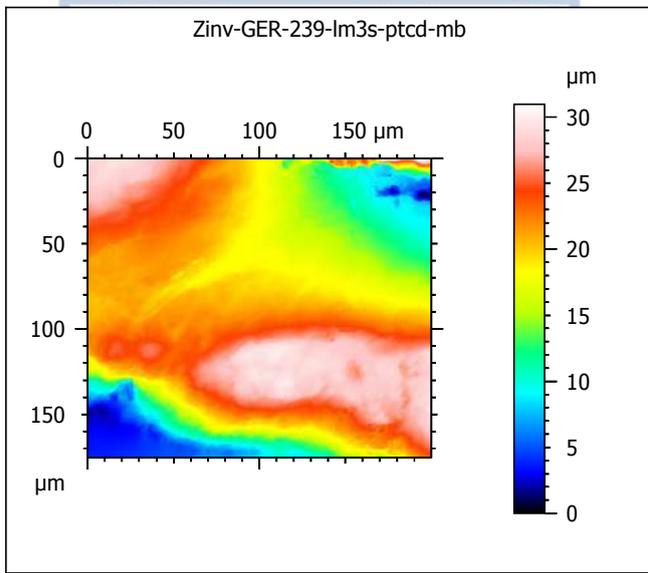


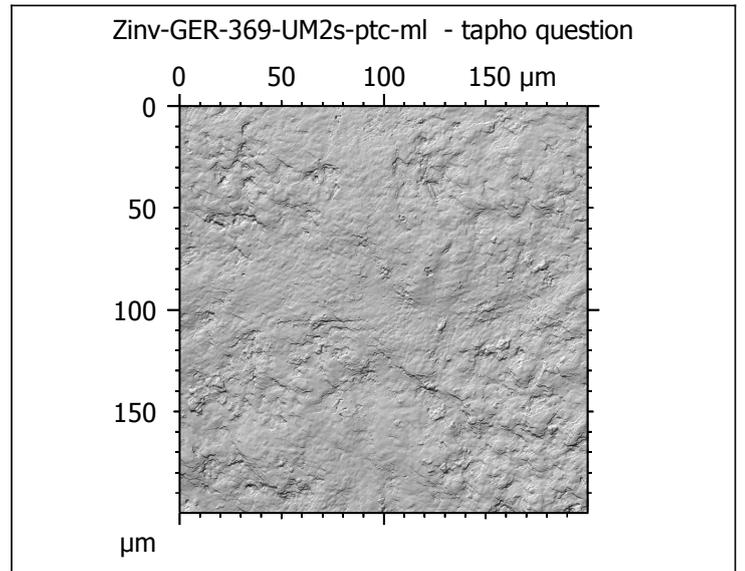
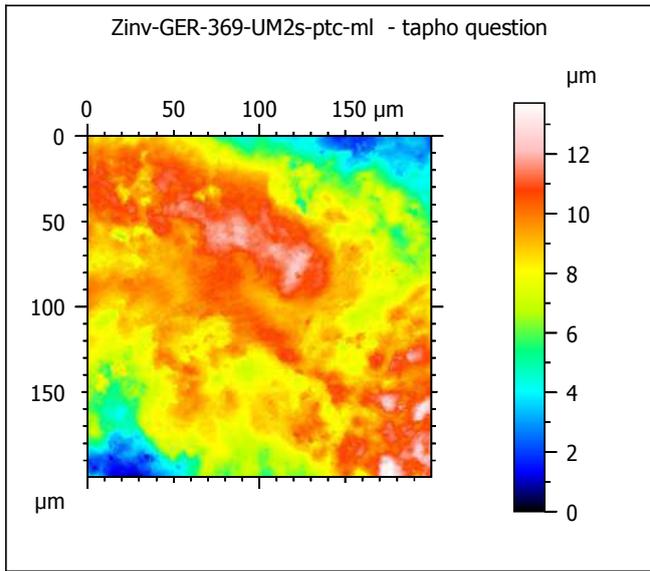
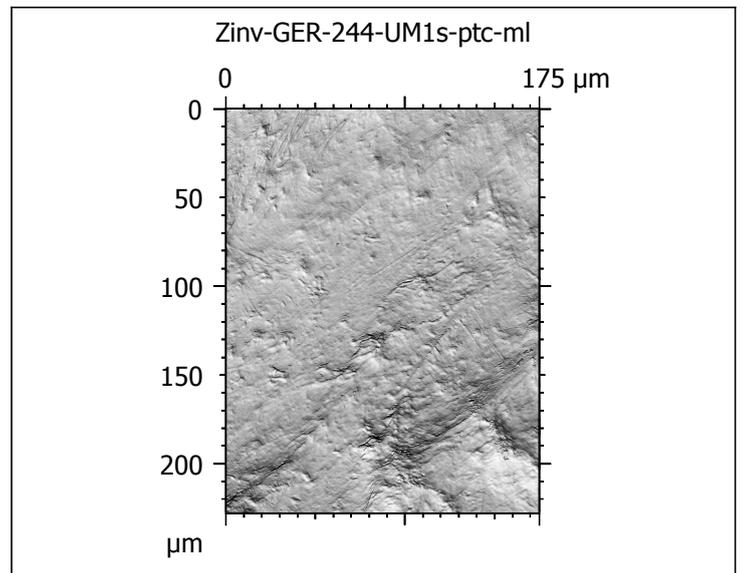
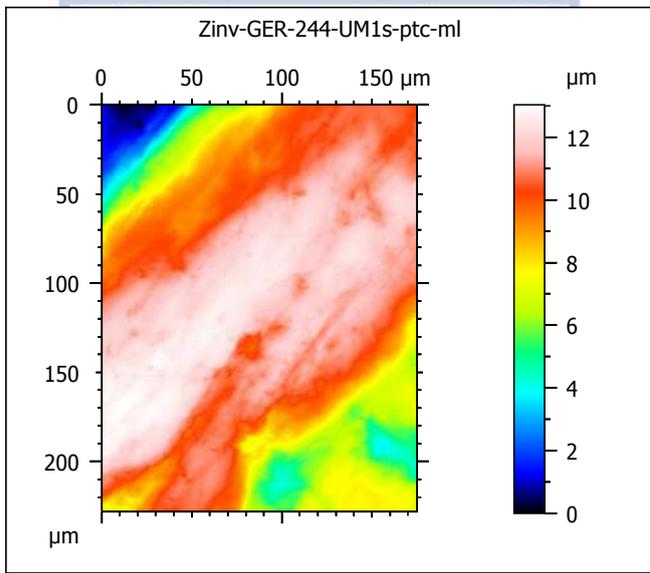




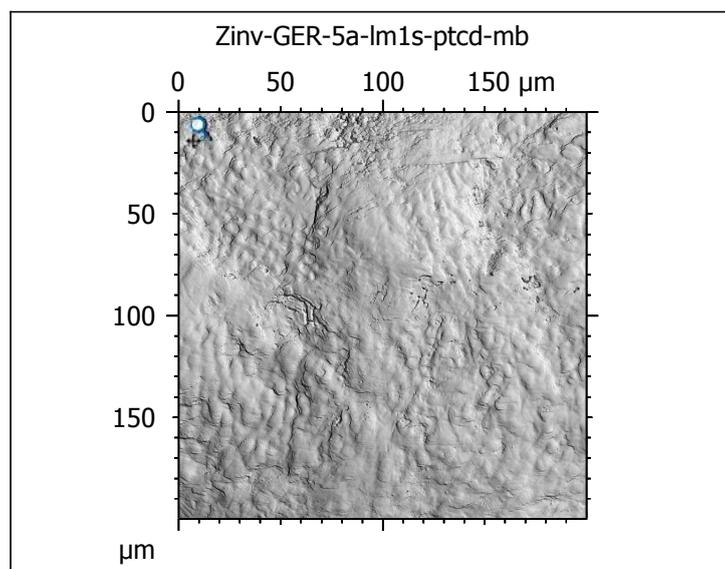
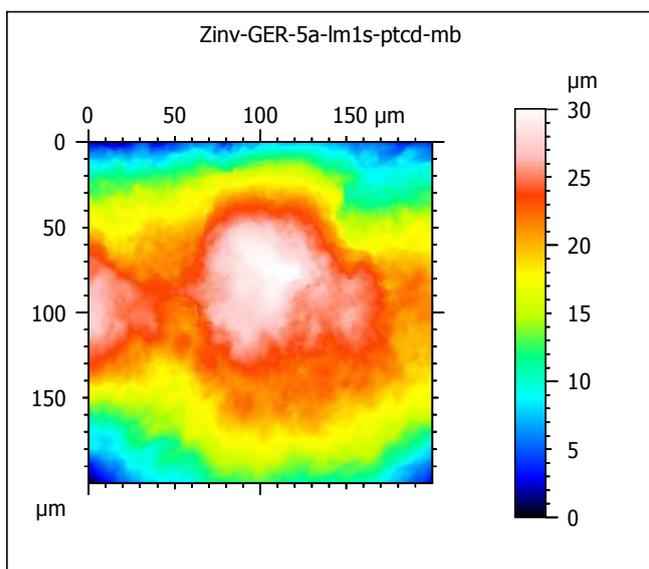
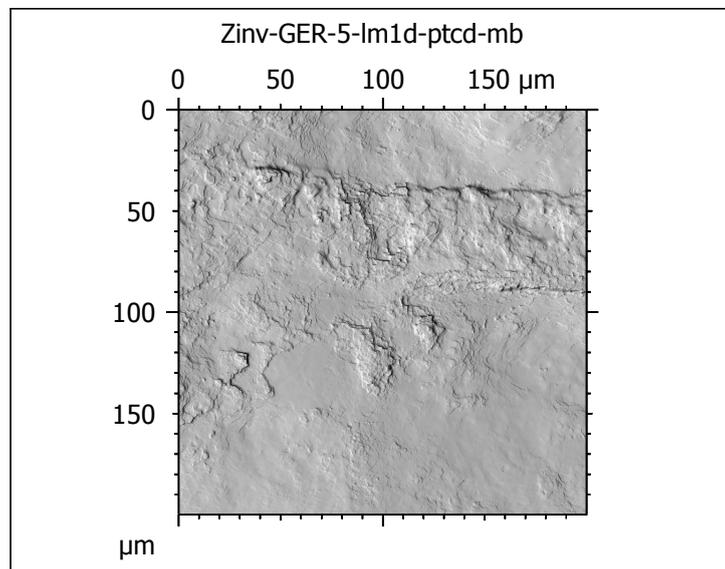
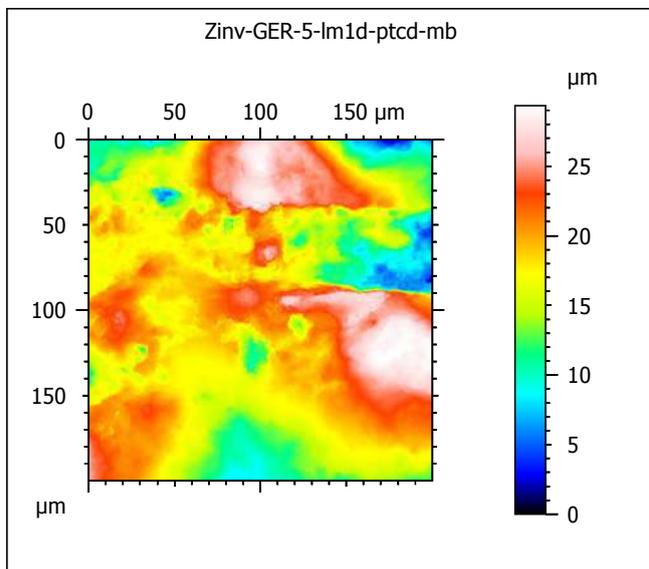


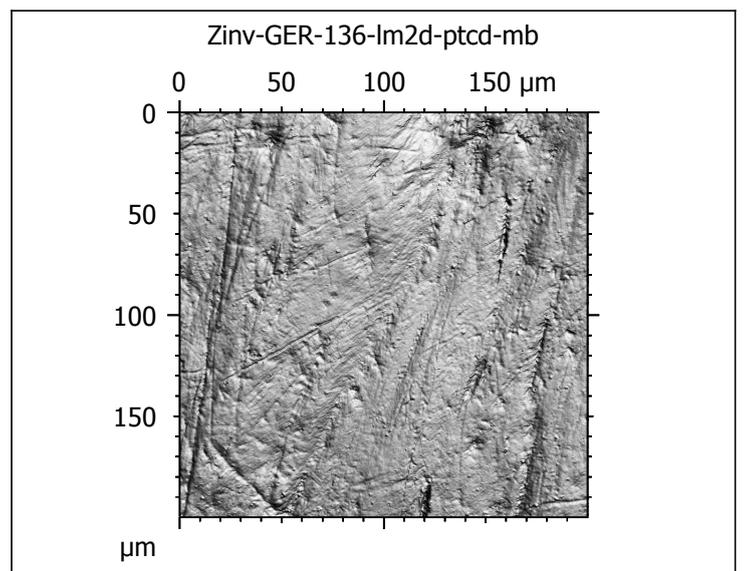
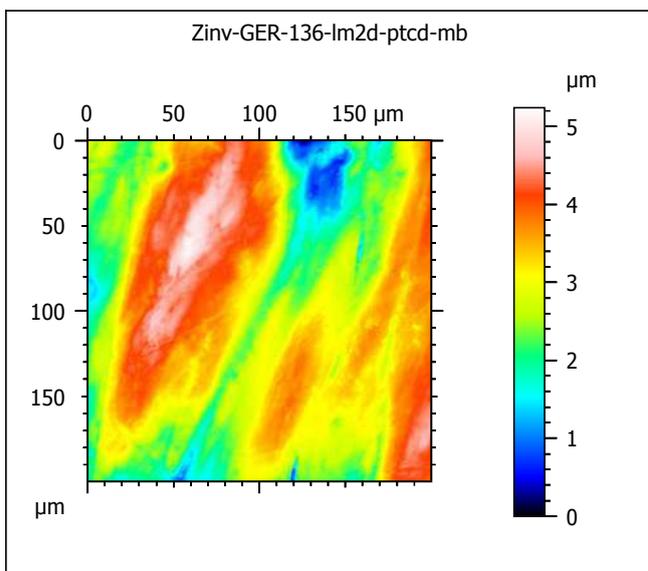
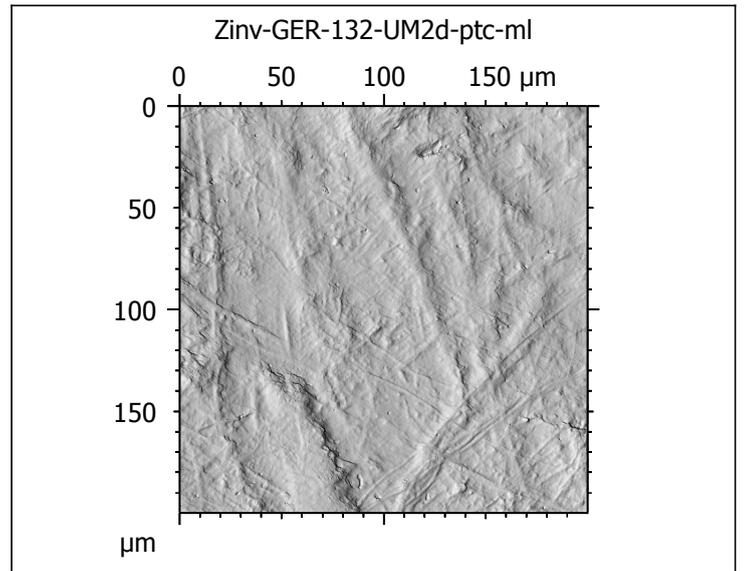
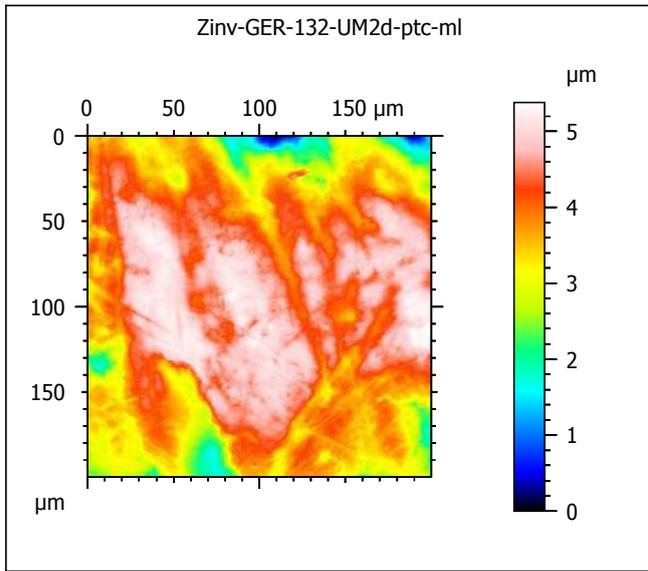
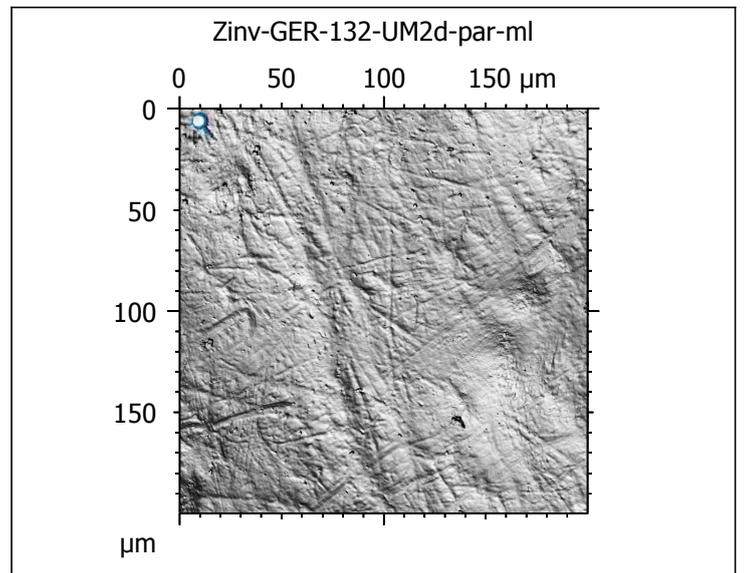
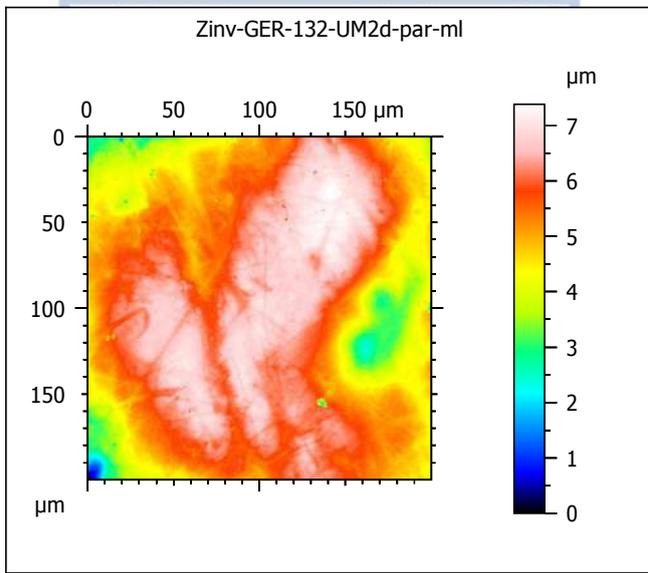


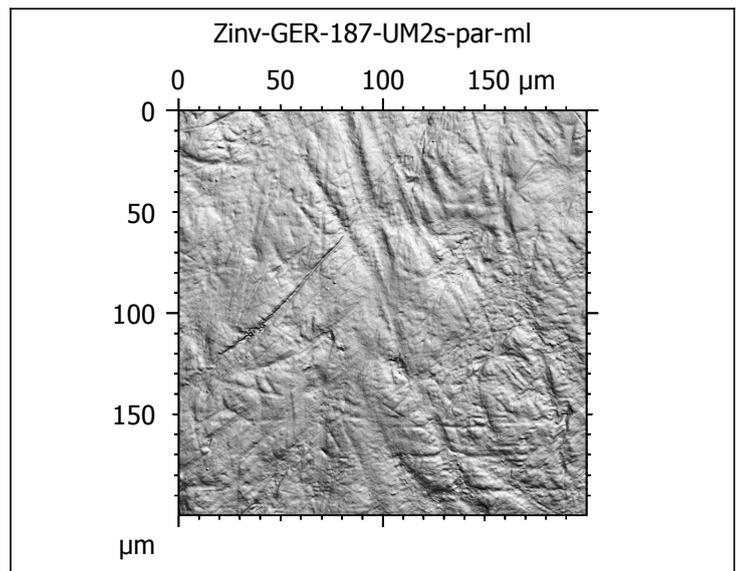
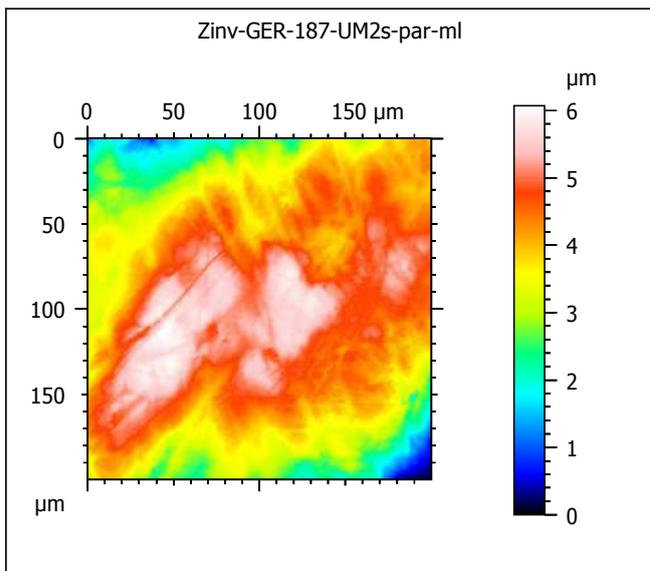
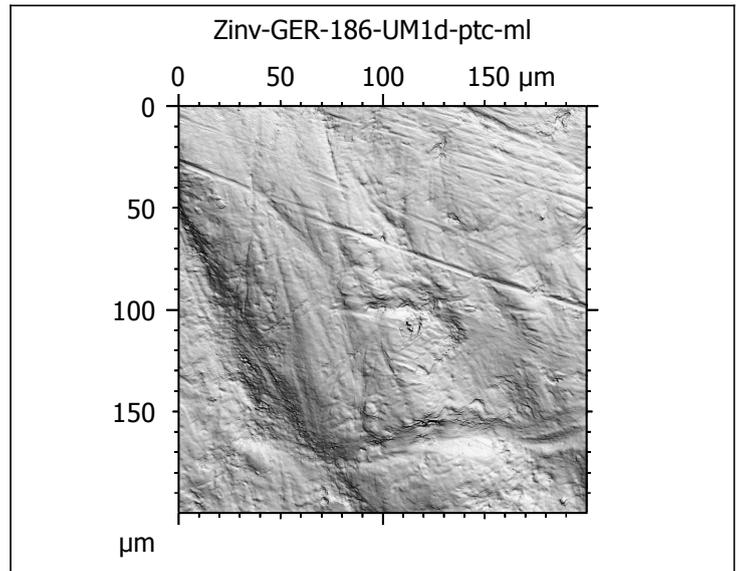
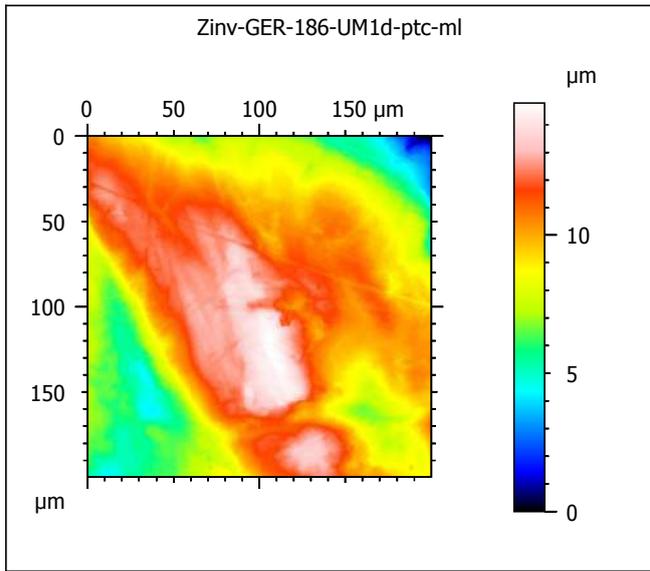
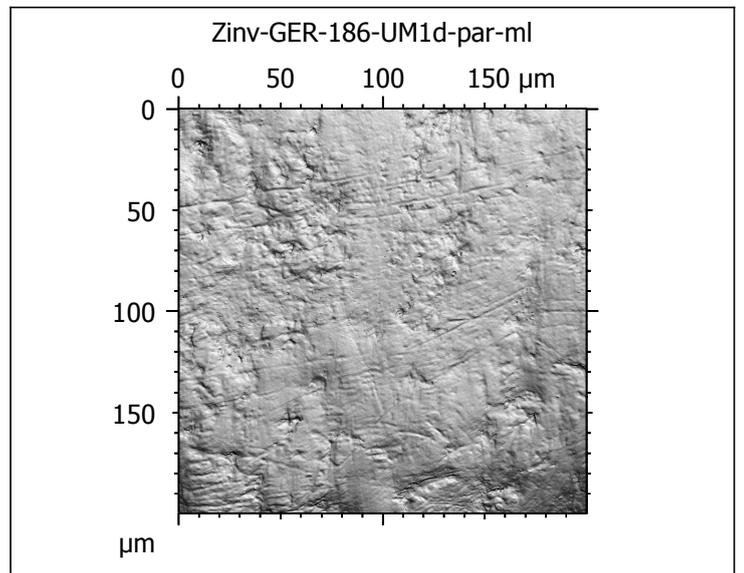
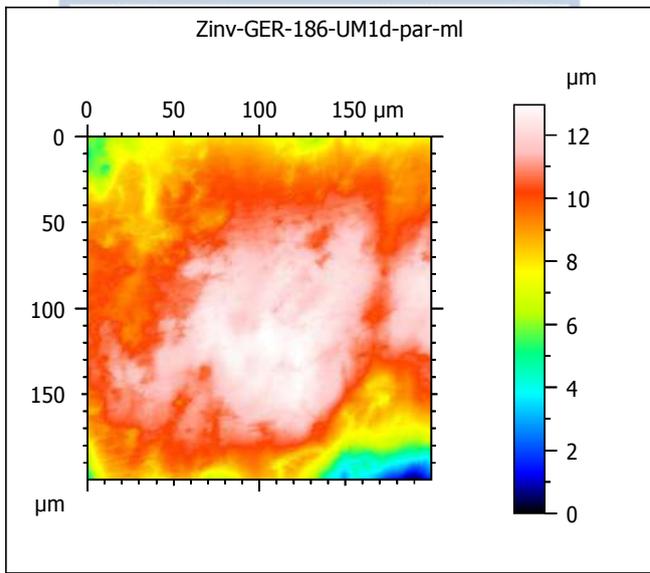


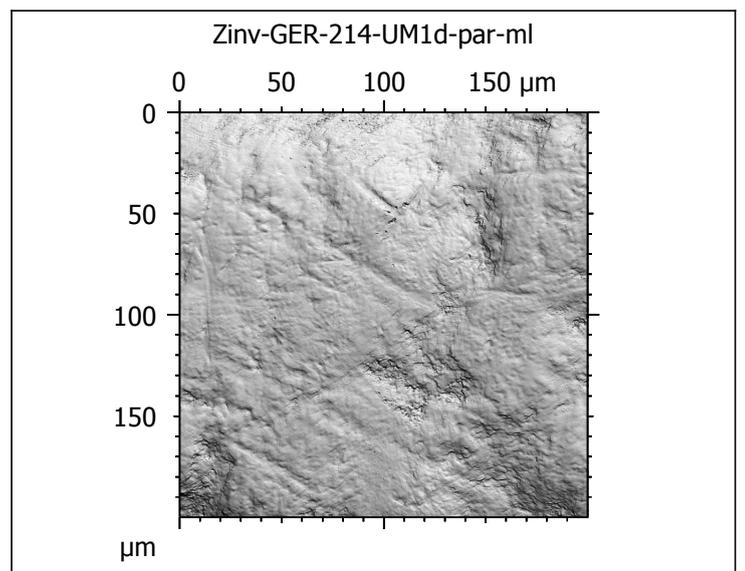
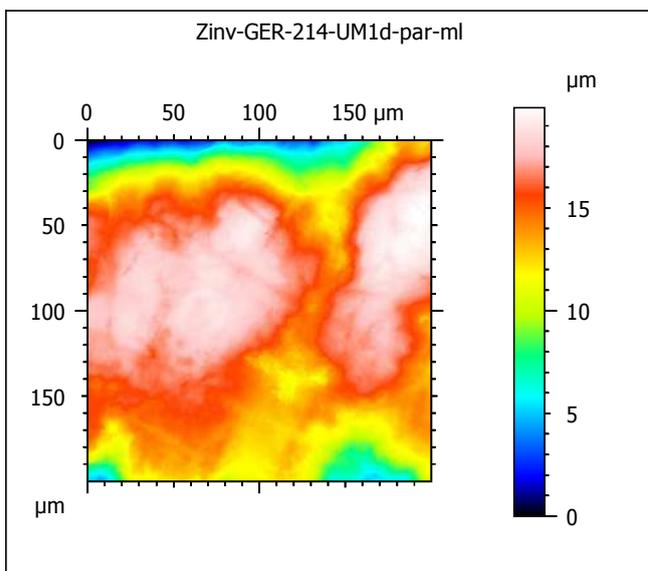
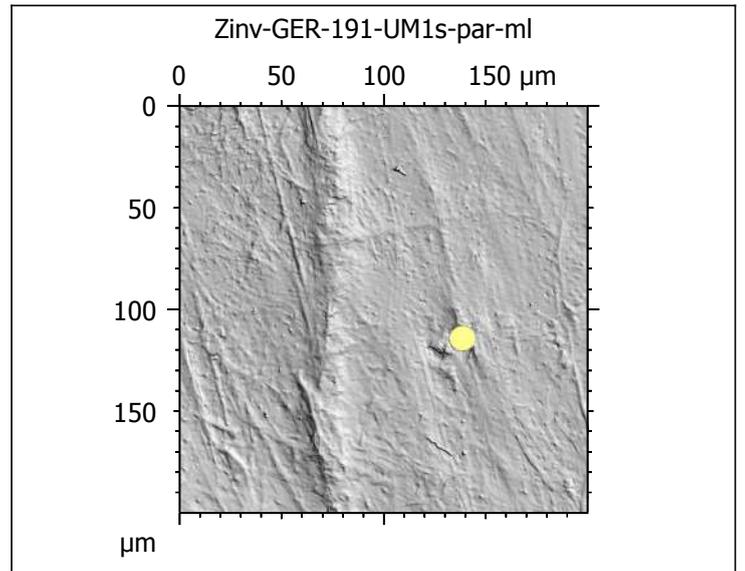
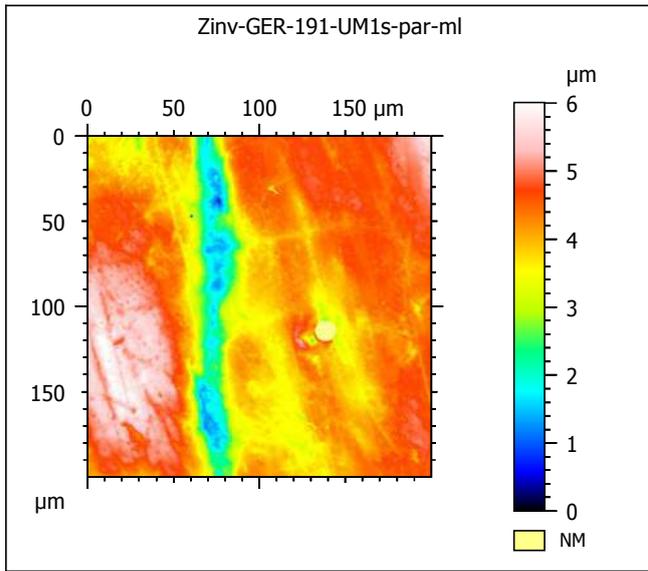
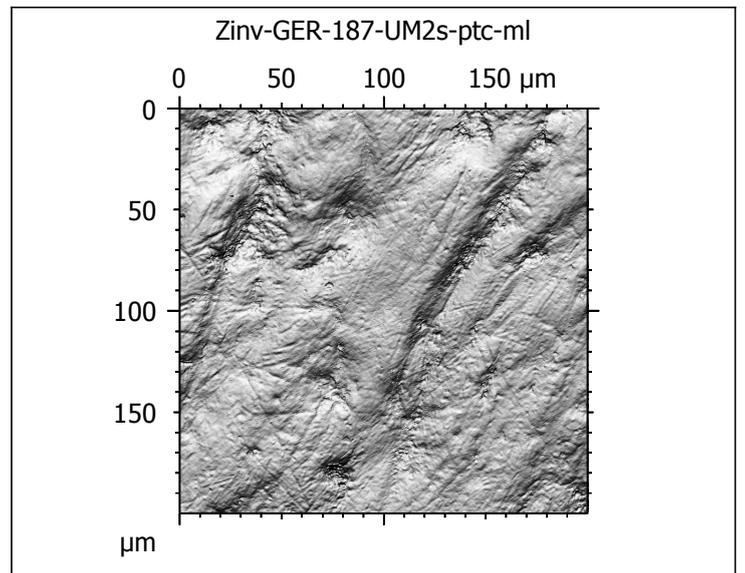
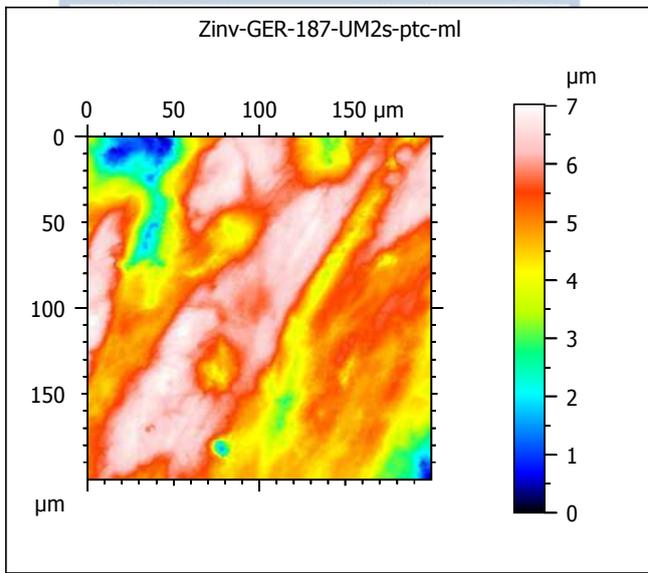


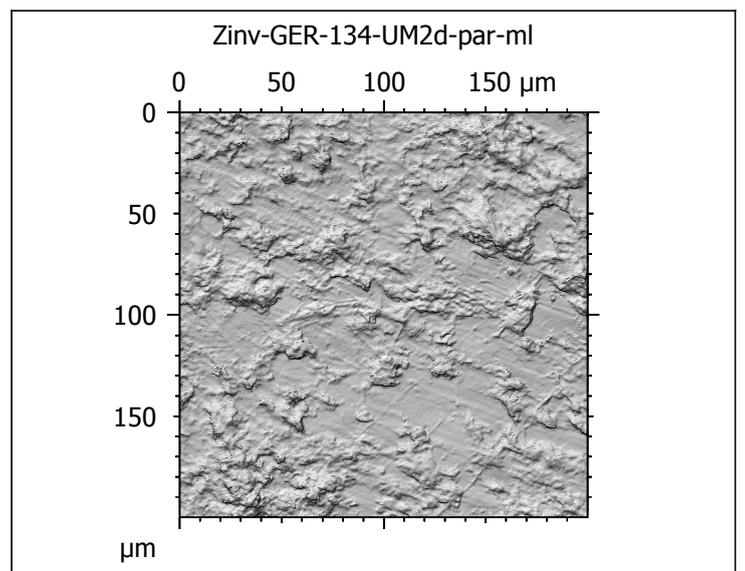
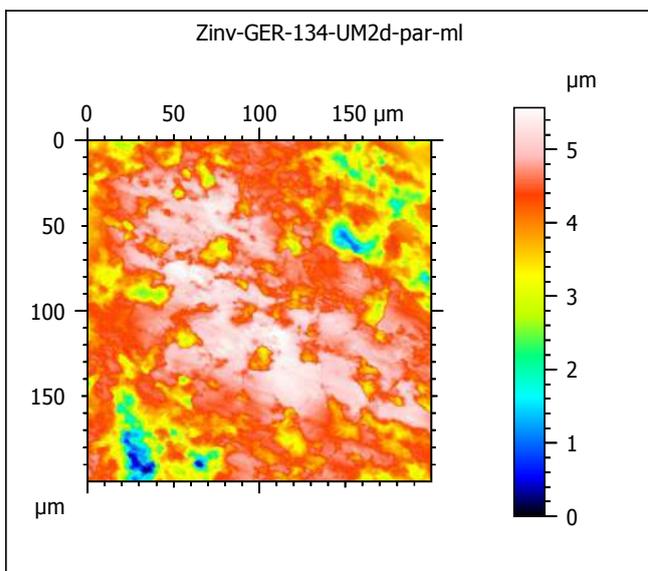
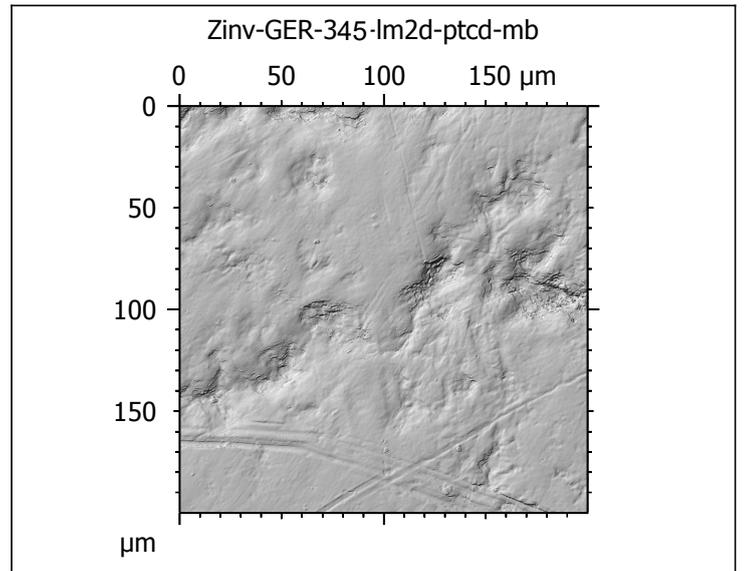
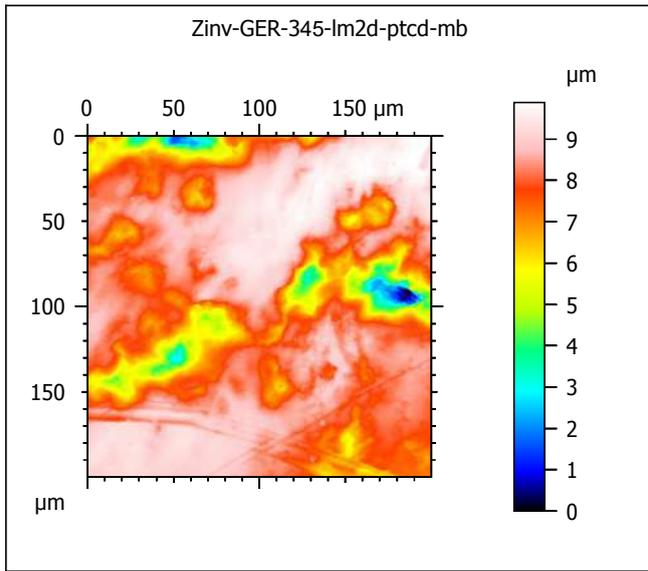
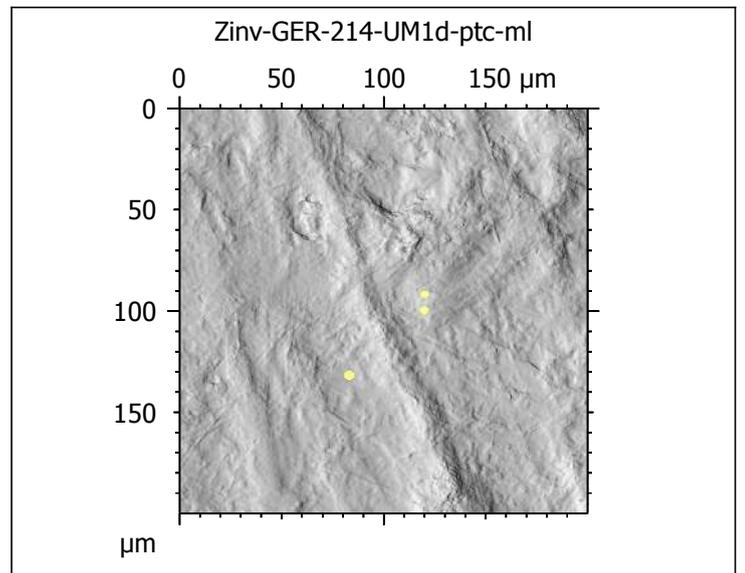
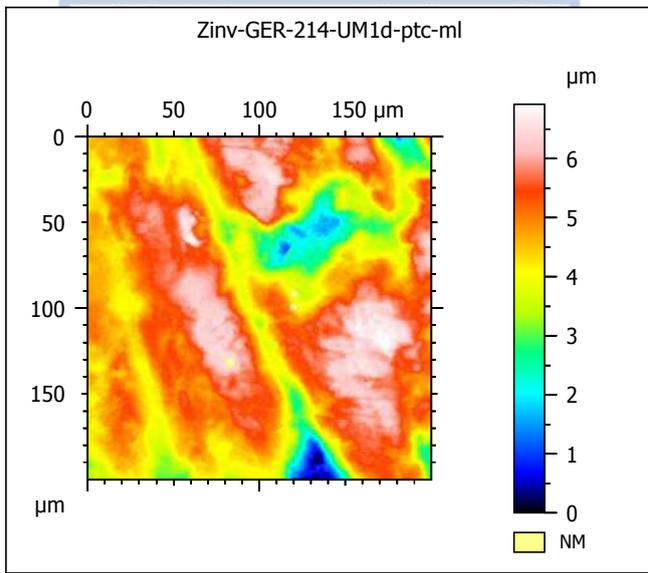
Specimens of *Eucladoceros* from Gerakarou, lower Pleistocene of Greece scanned in October 2020 by Evangelia Alifieri on "TRIDENT", Leica DCM8, Paleovoprim Lab, CNRS and University of Poitiers scans validated by Gildas Merceron



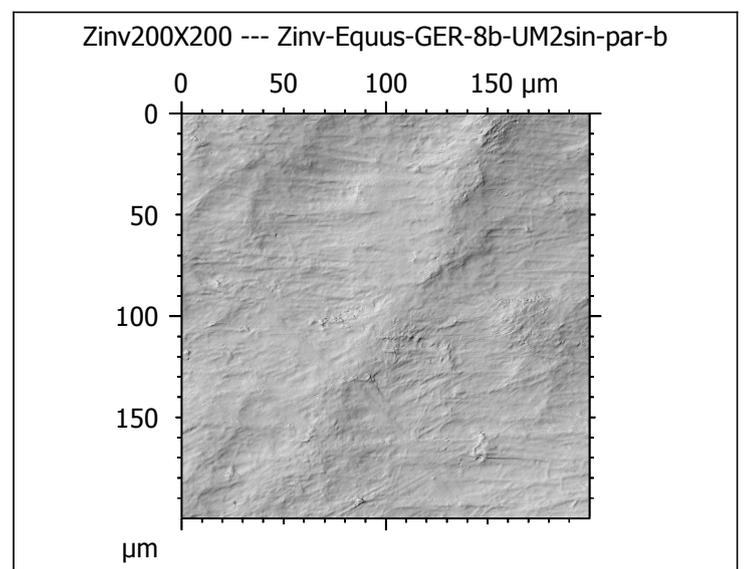
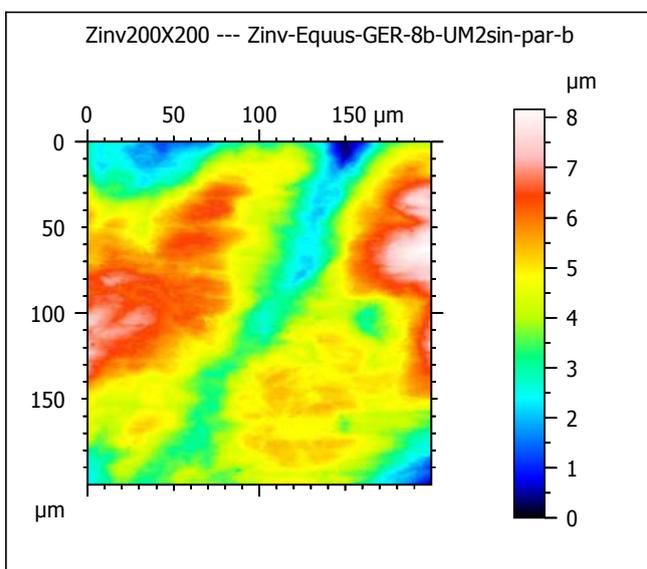
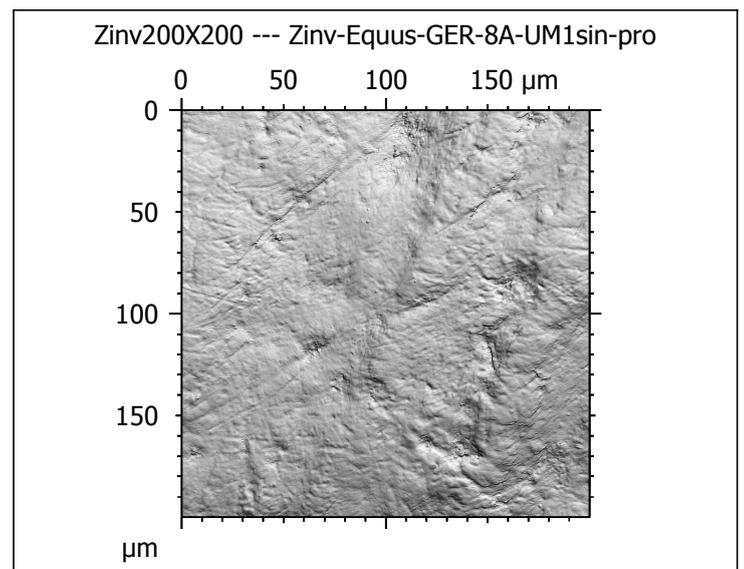
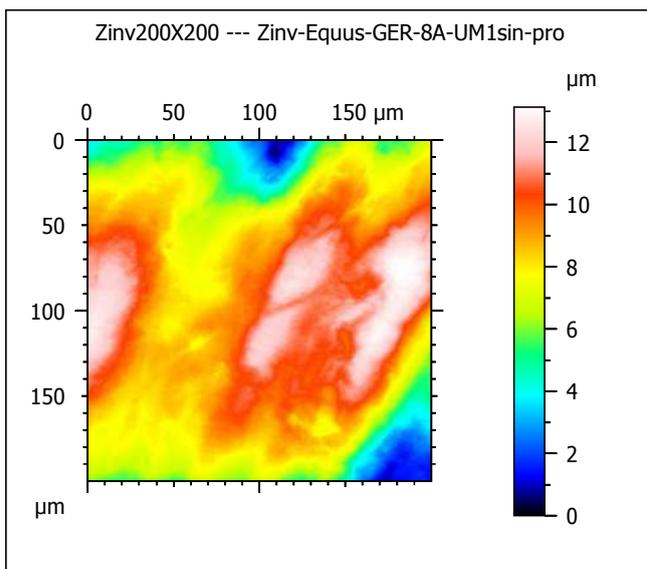
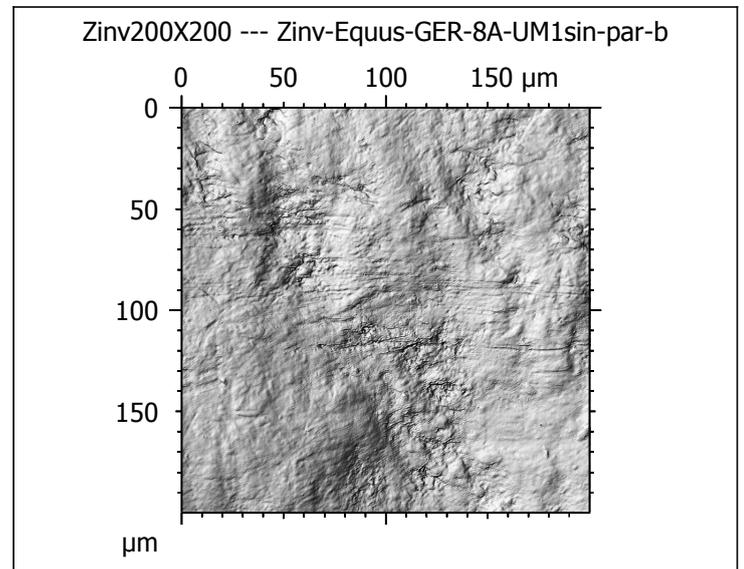
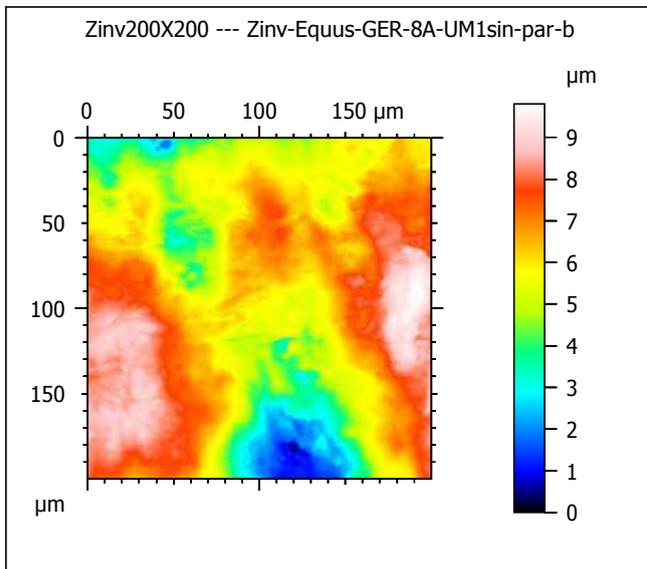


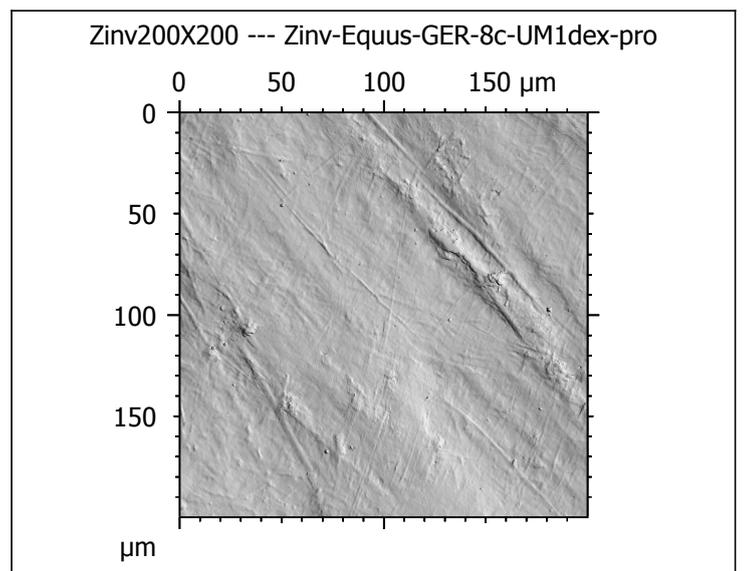
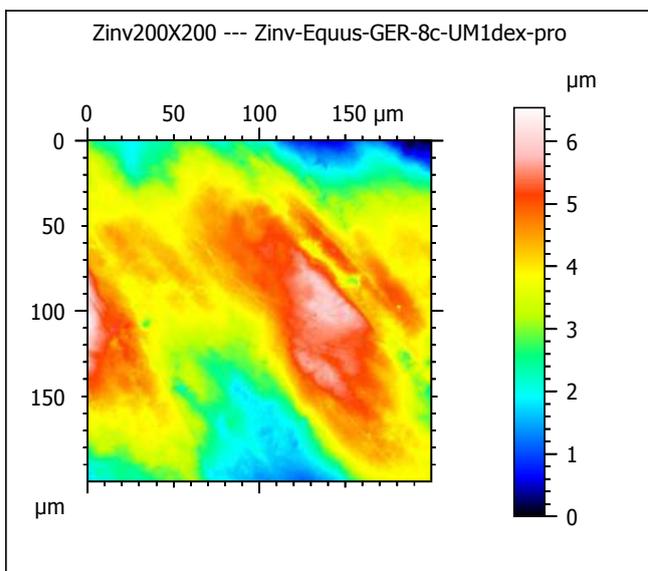
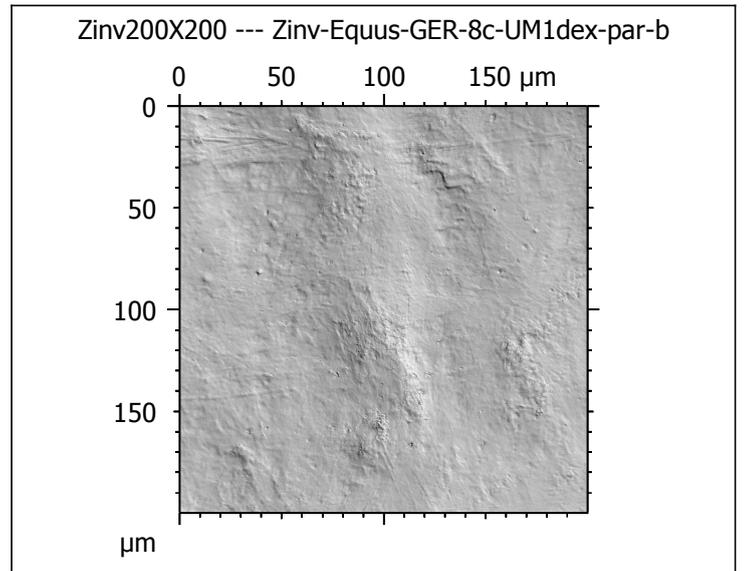
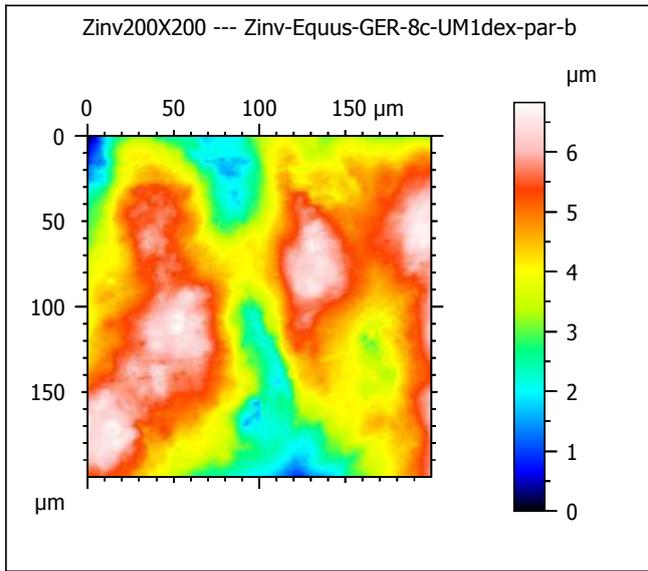
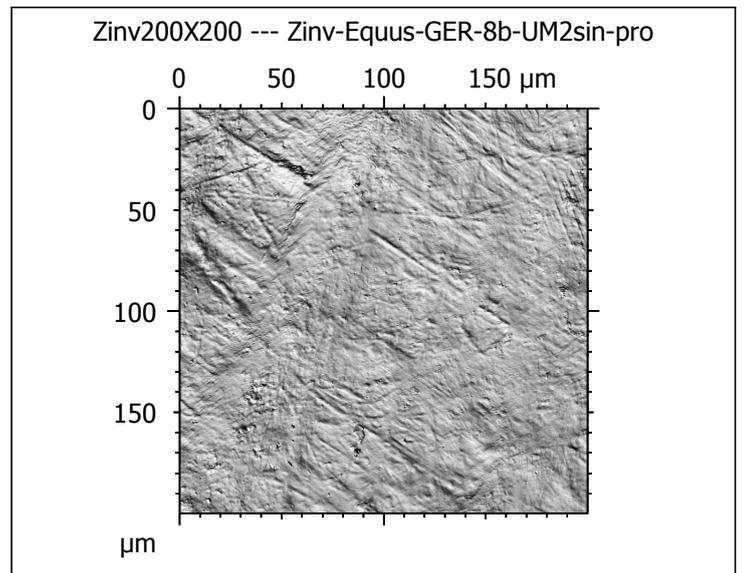
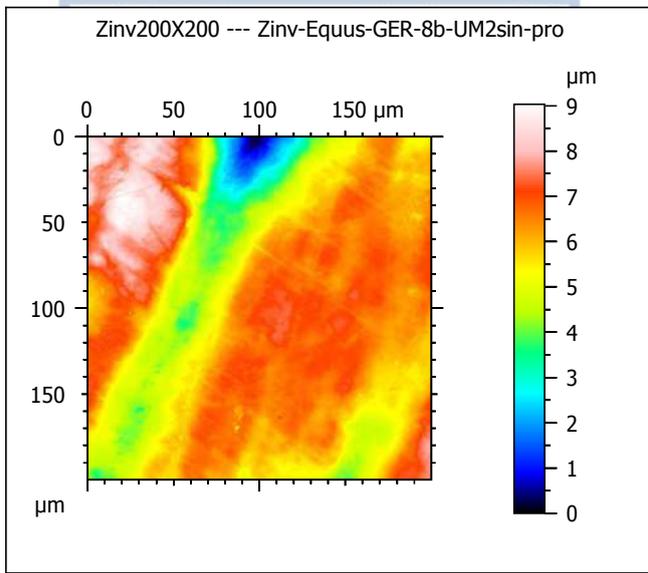


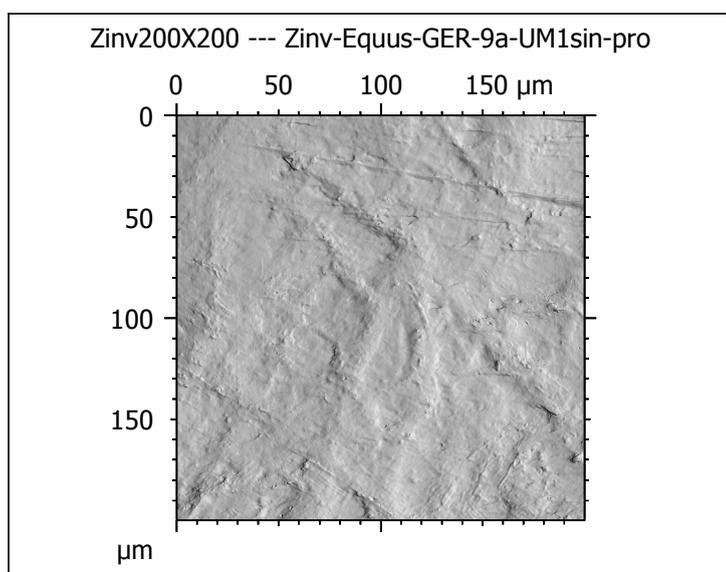
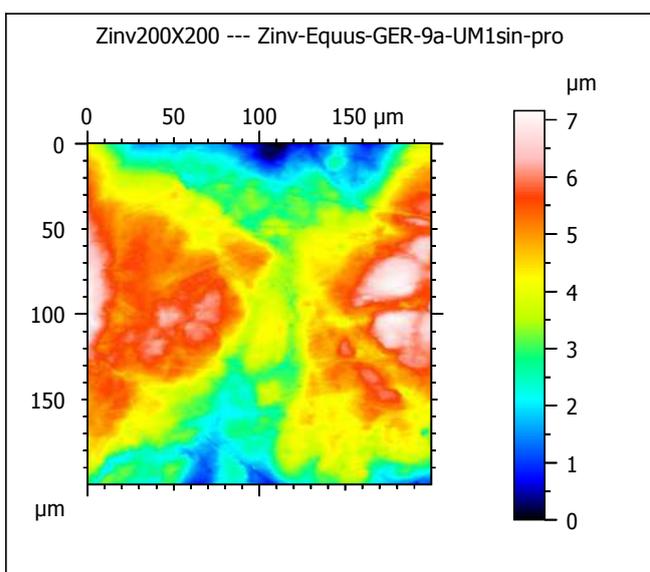
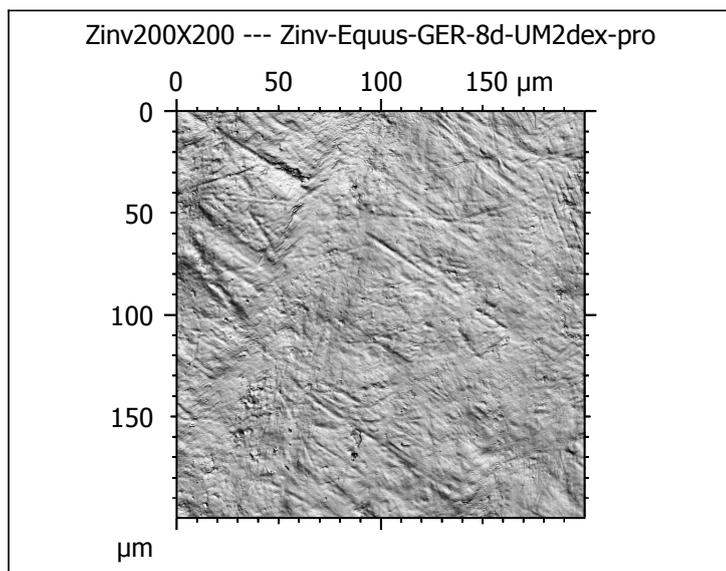
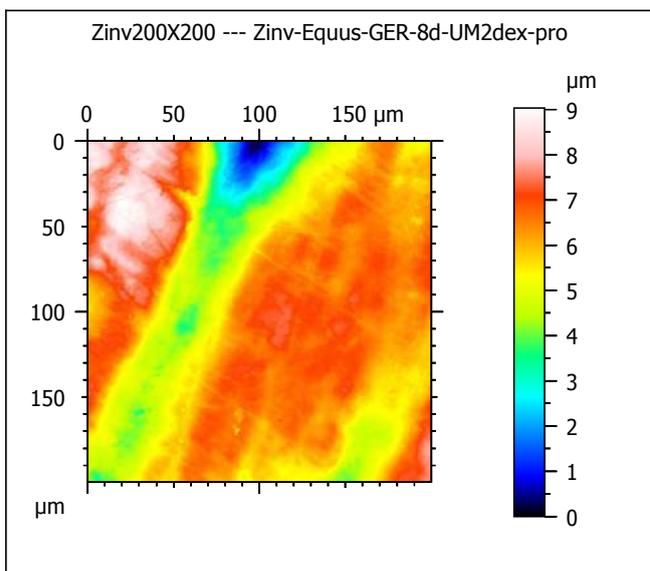
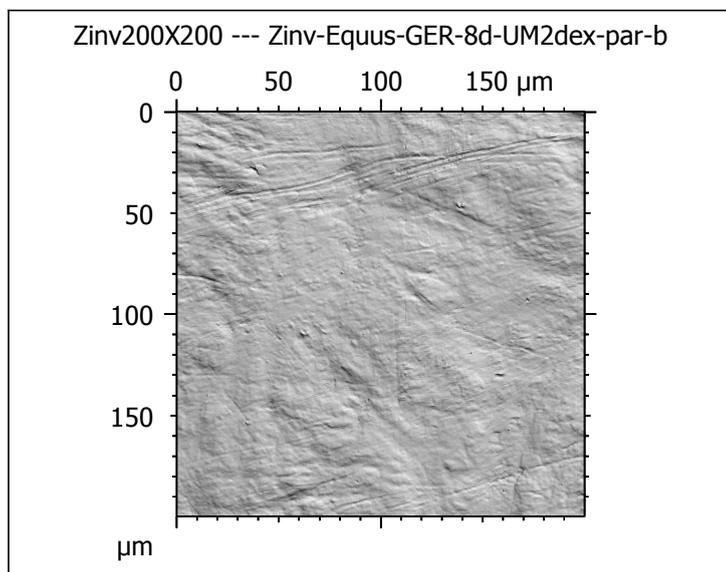
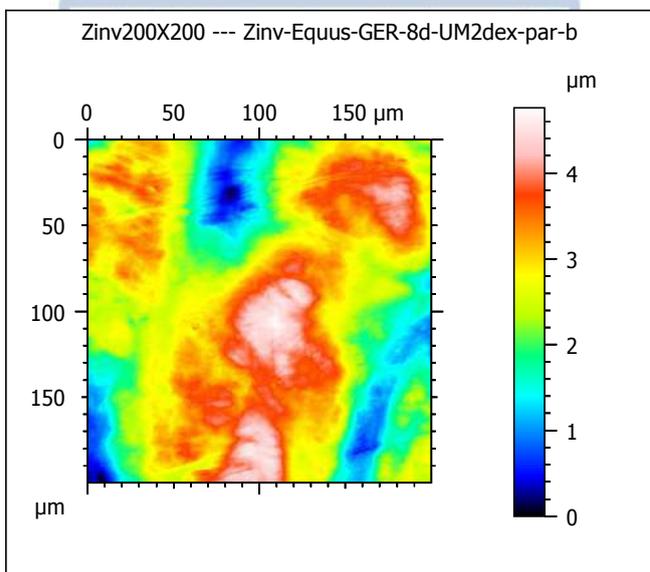


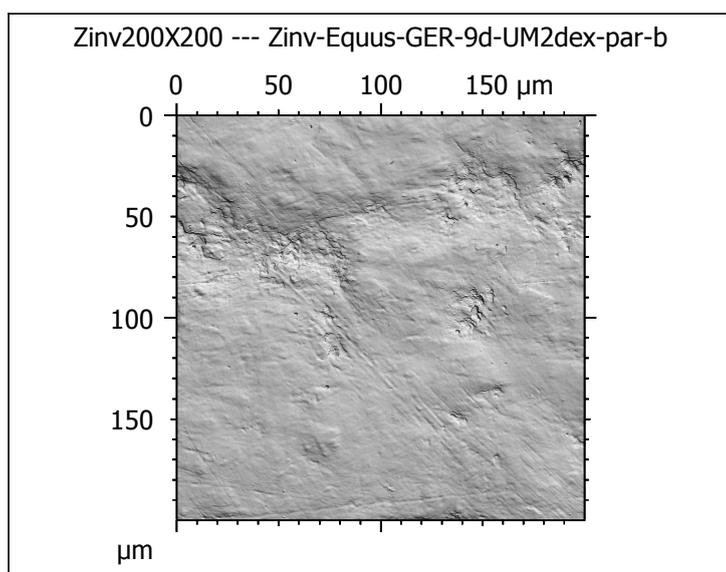
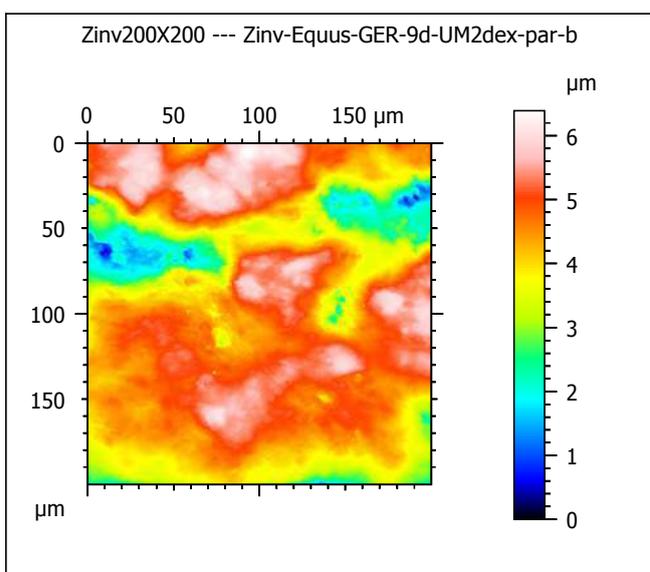
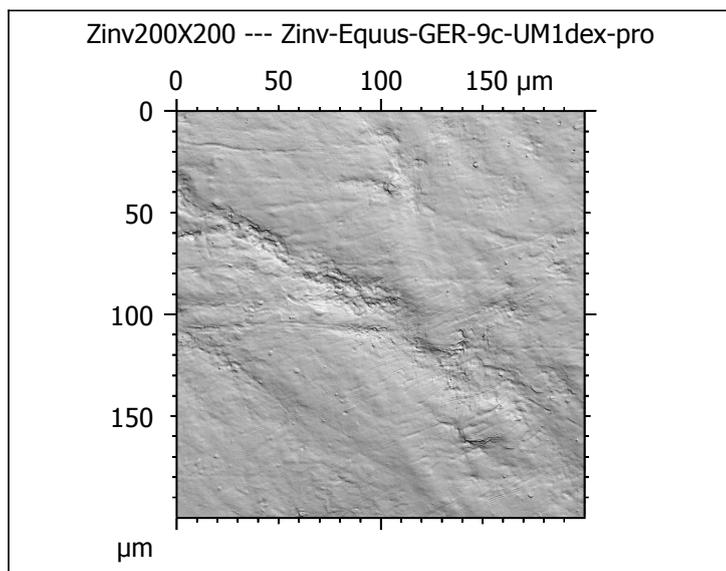
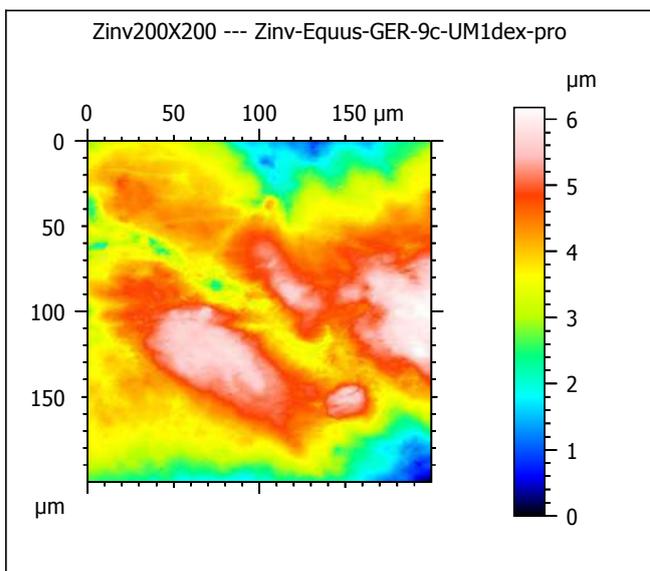
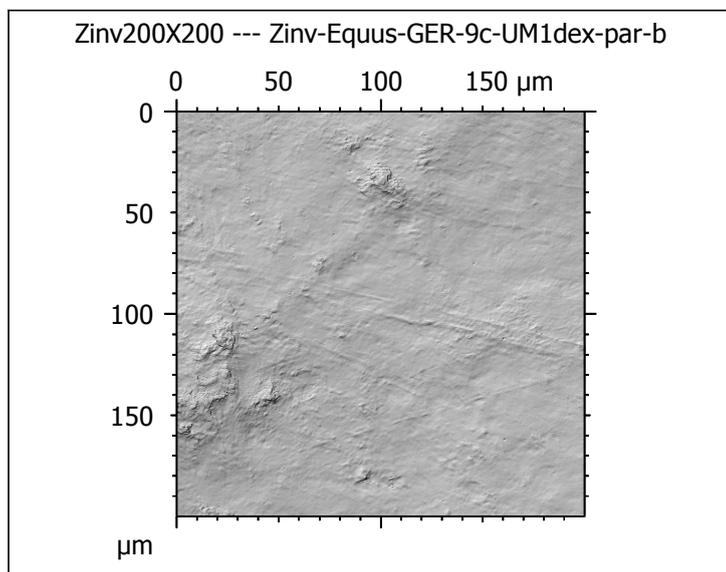
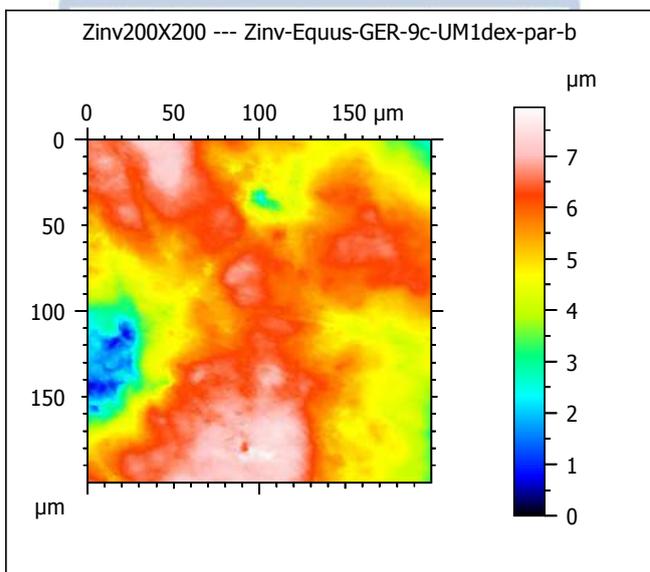


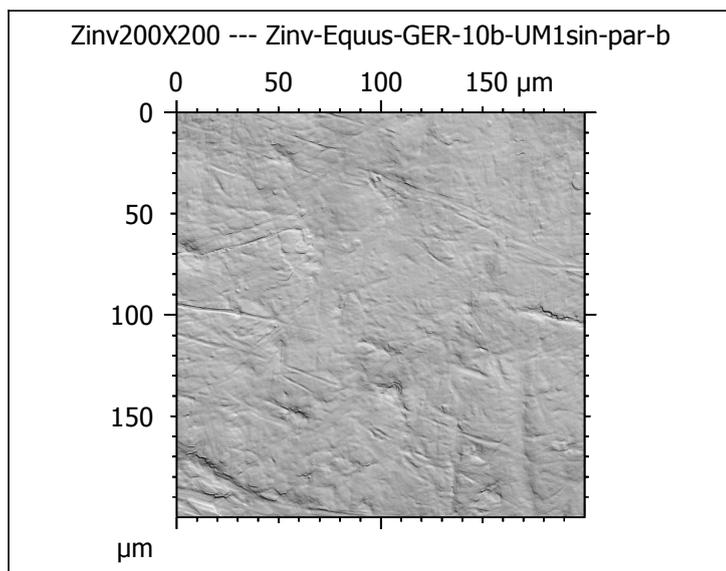
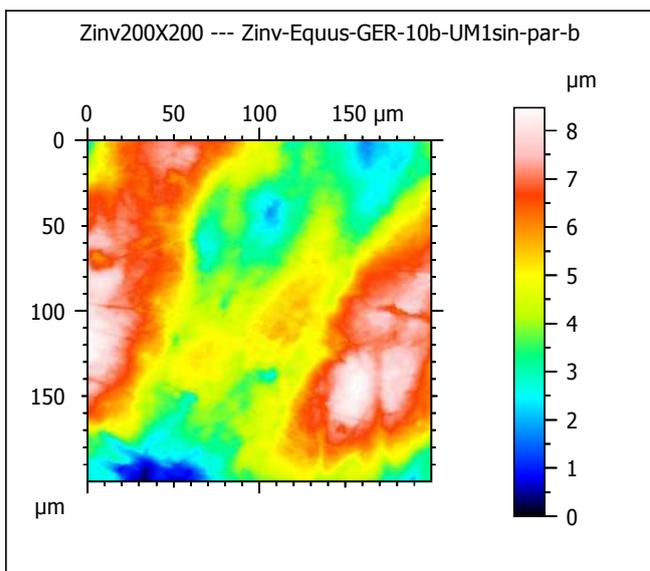
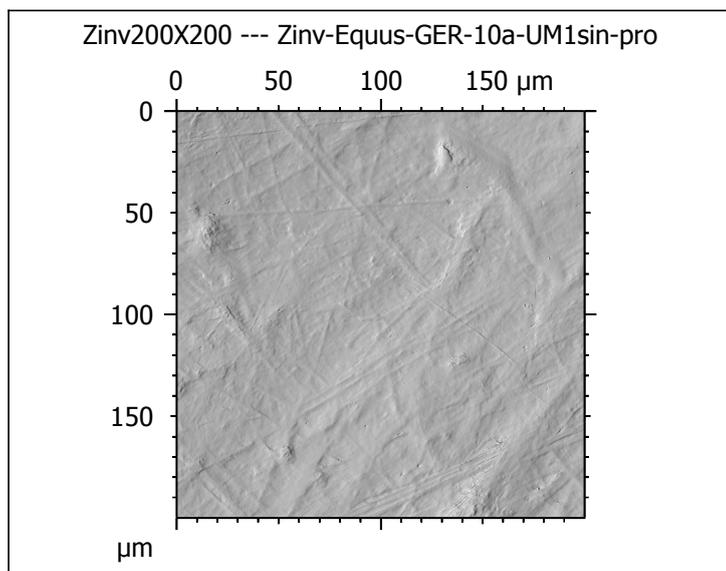
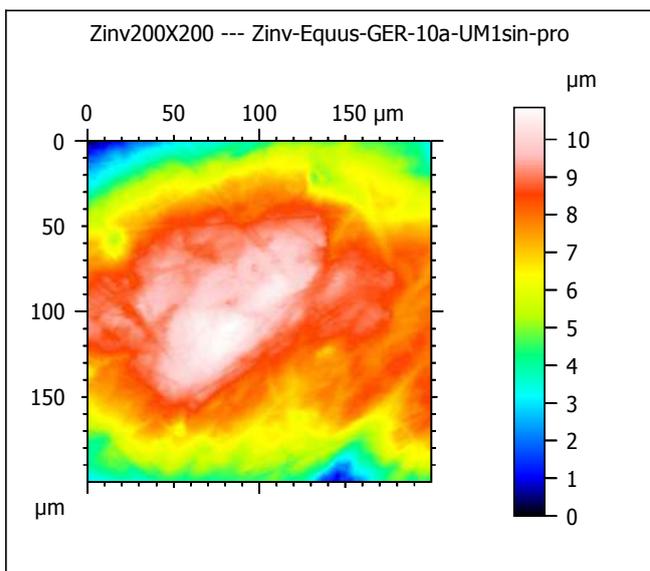
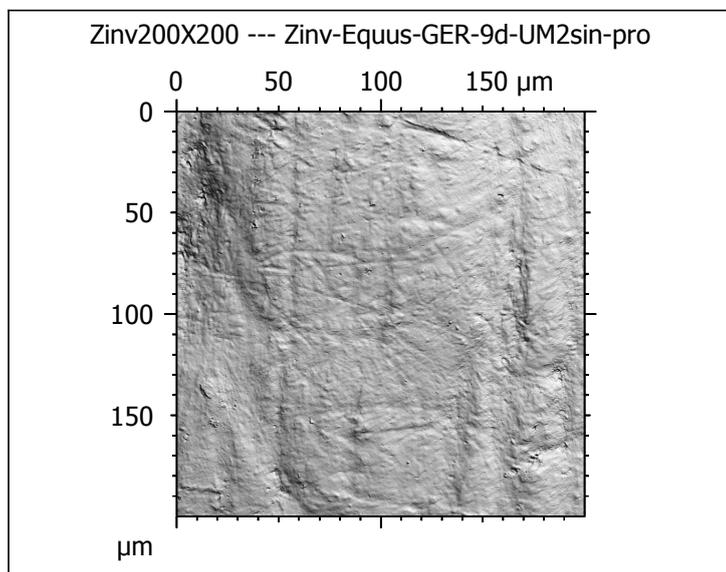
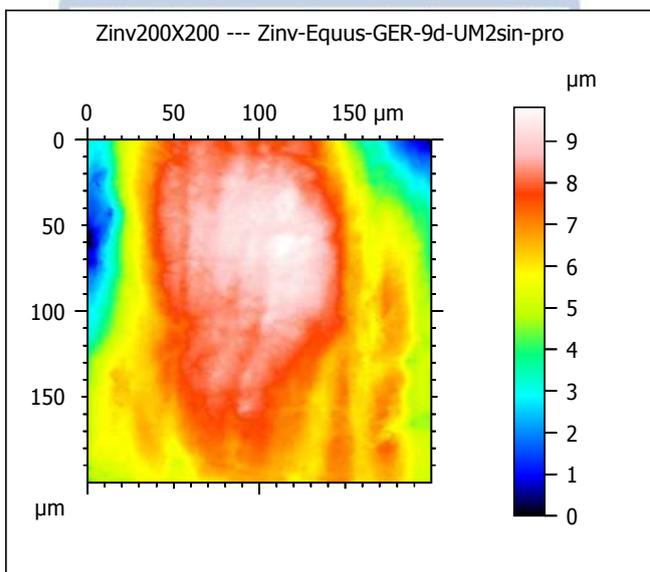
Specimens of *Equus* from Gerakarou, lower Pleistocene of Greece scanned in March 2019 by Anastasia Gkeme on "TRIDENT", Leica DCM8, Paleovoprim Lab, CNRS and University of Poitiers scans validated by Gildas Merceron

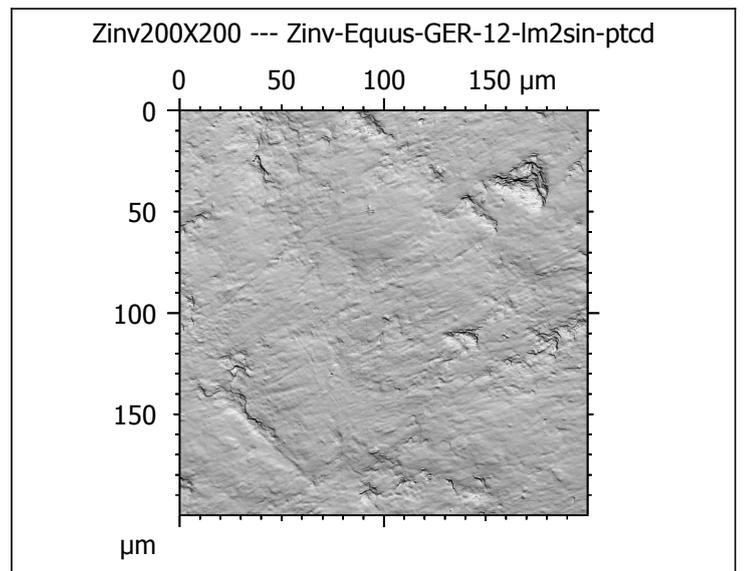
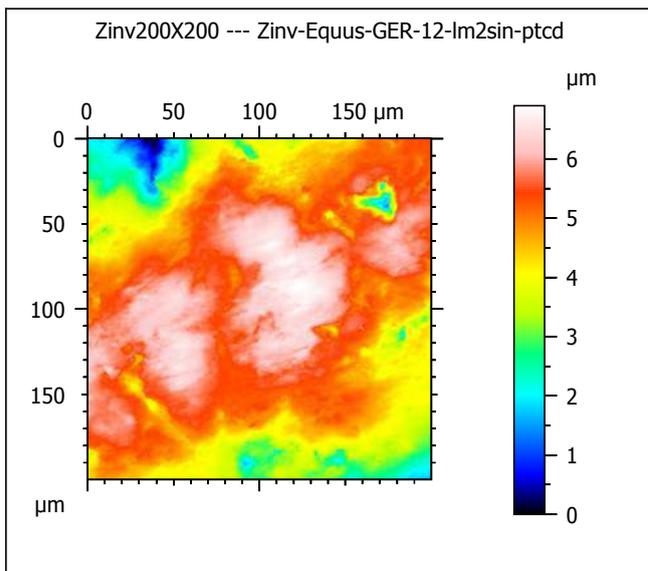
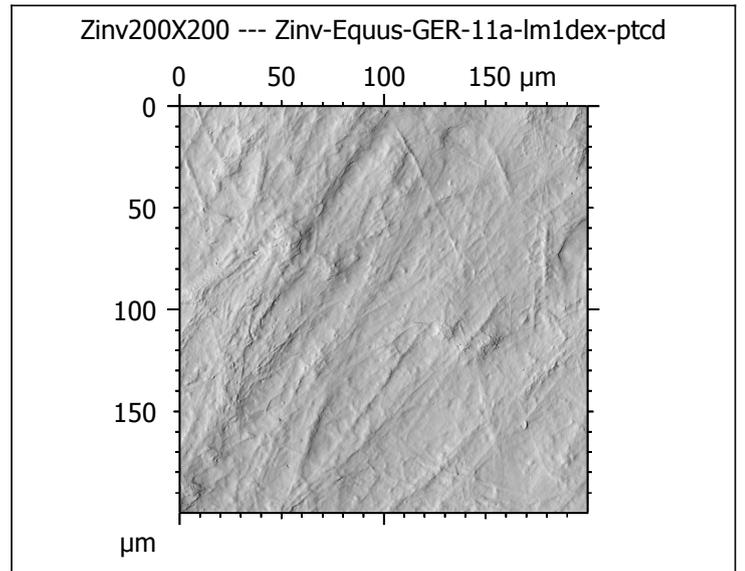
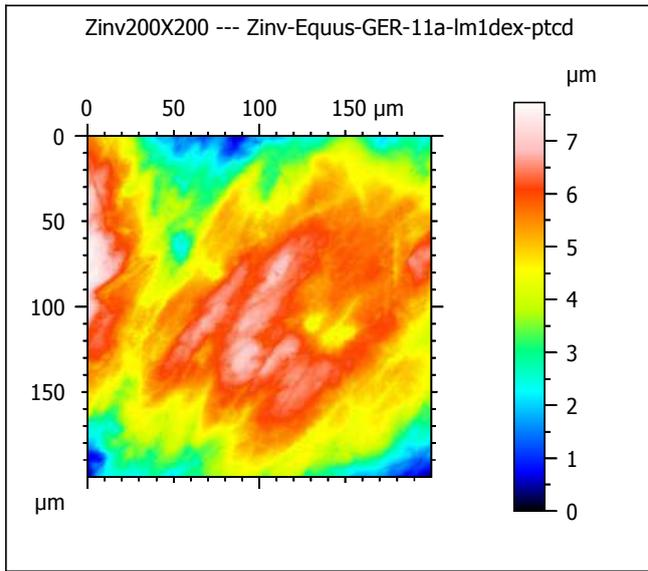
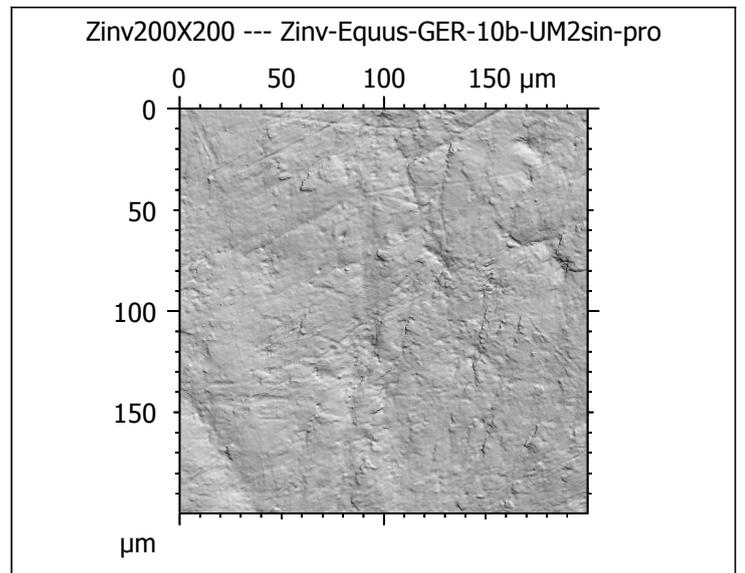
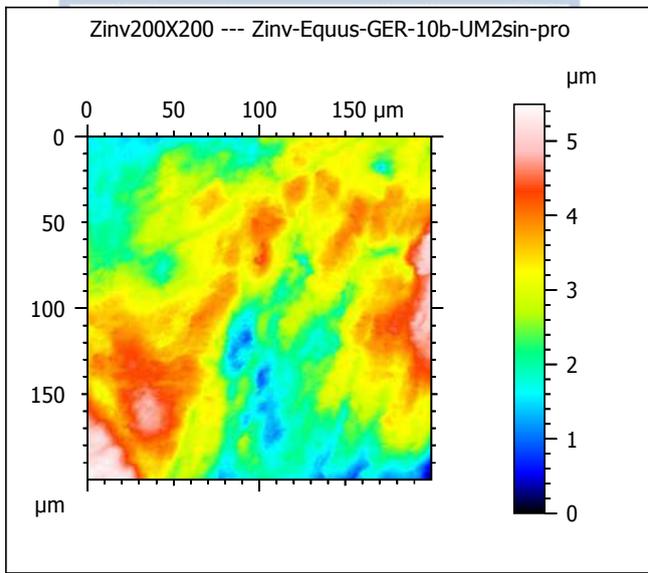


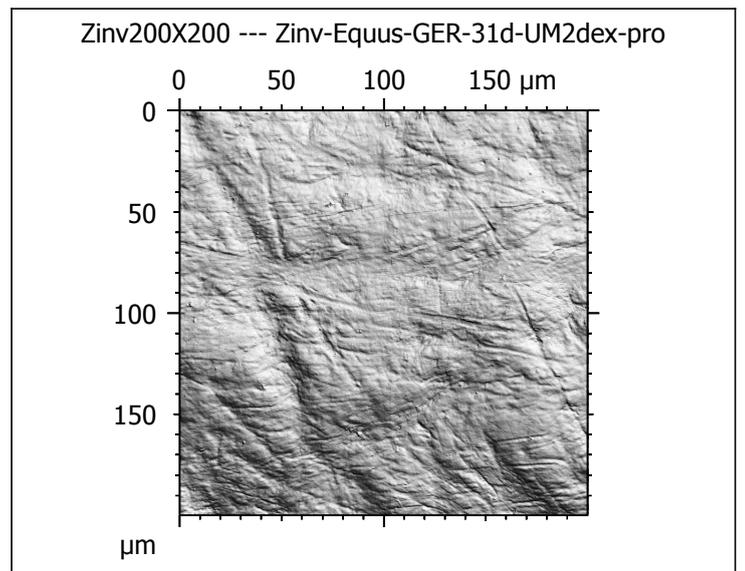
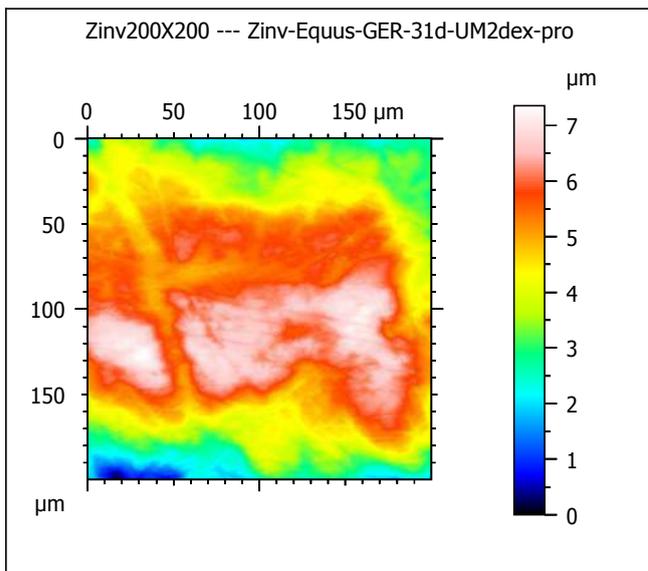
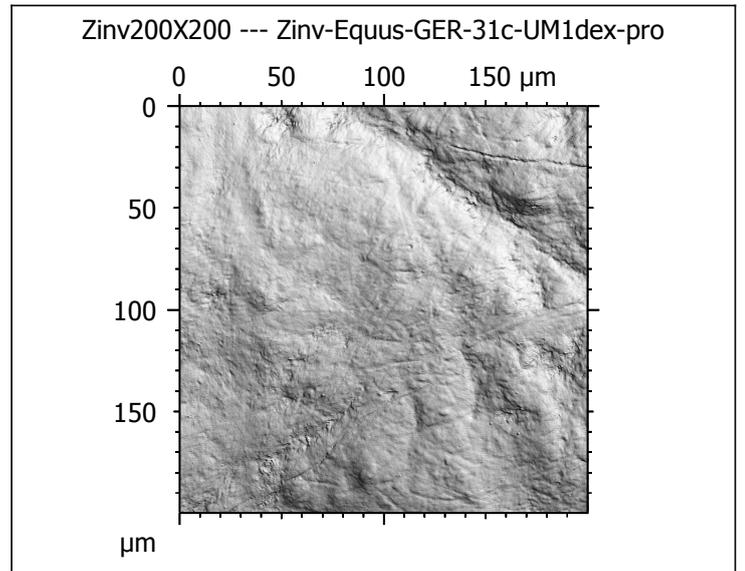
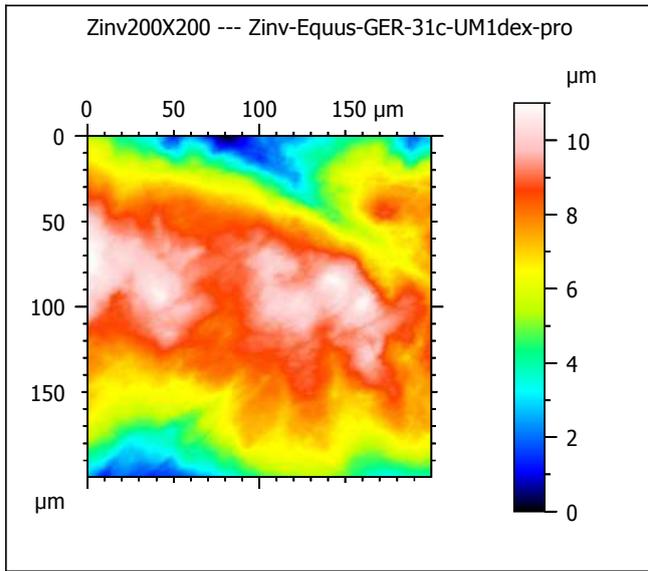
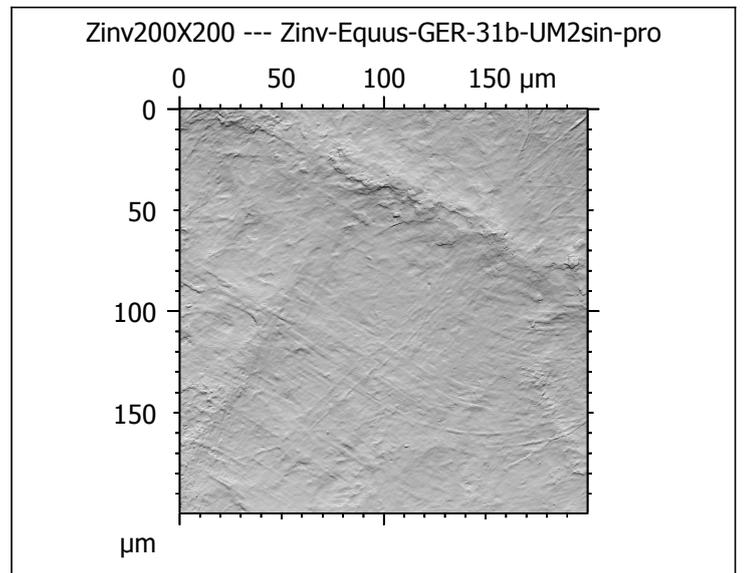
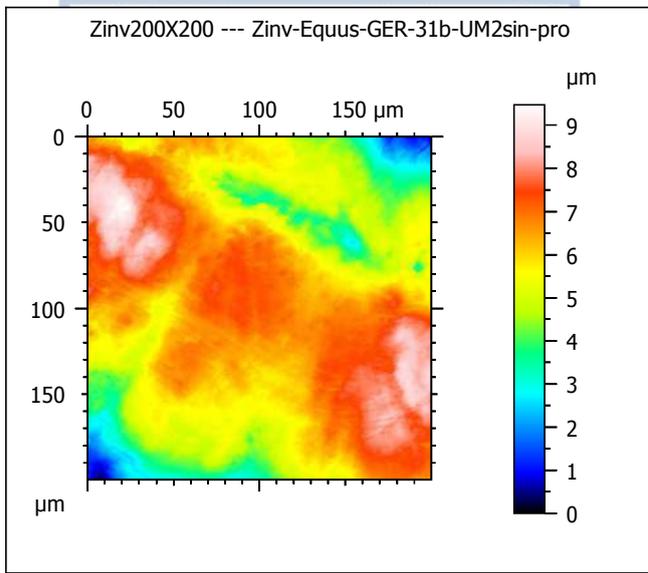


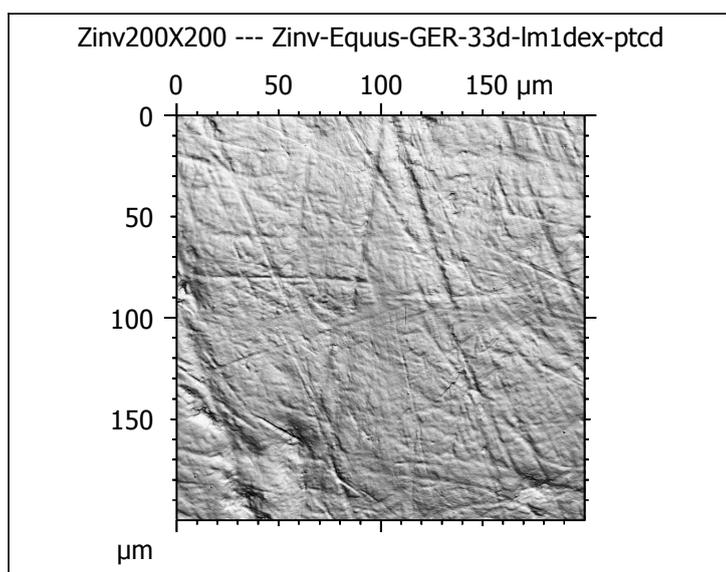
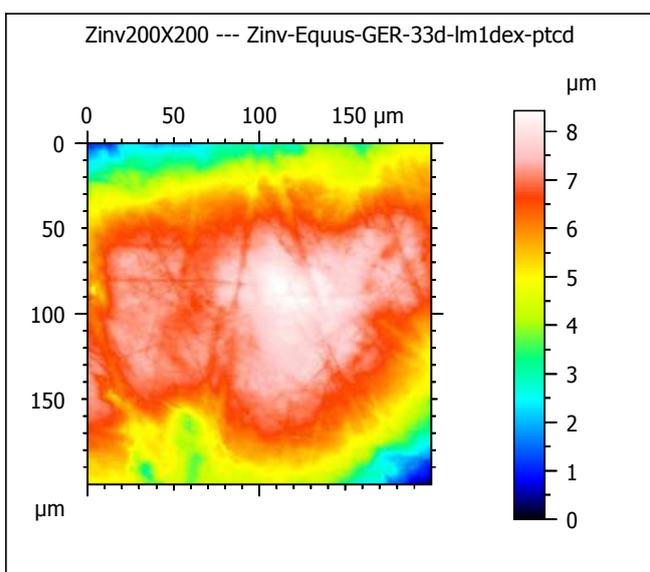
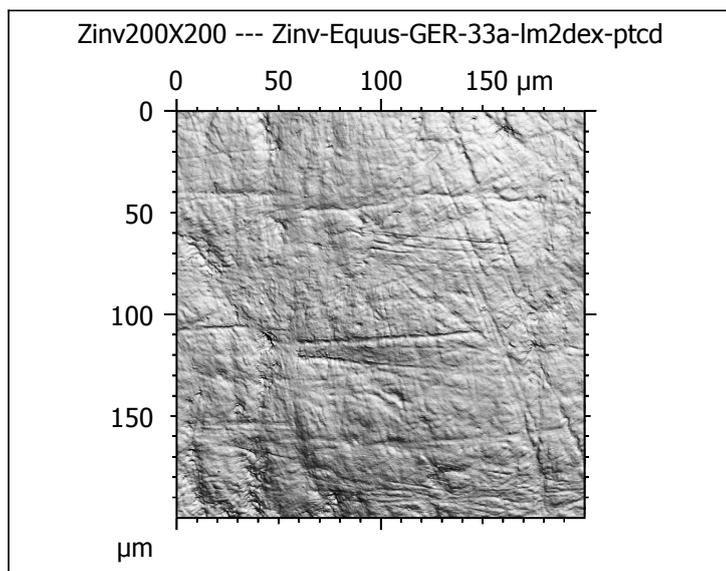
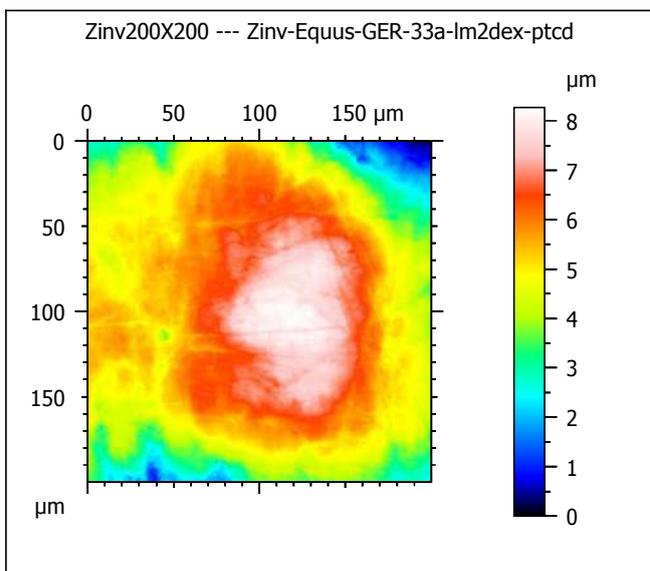
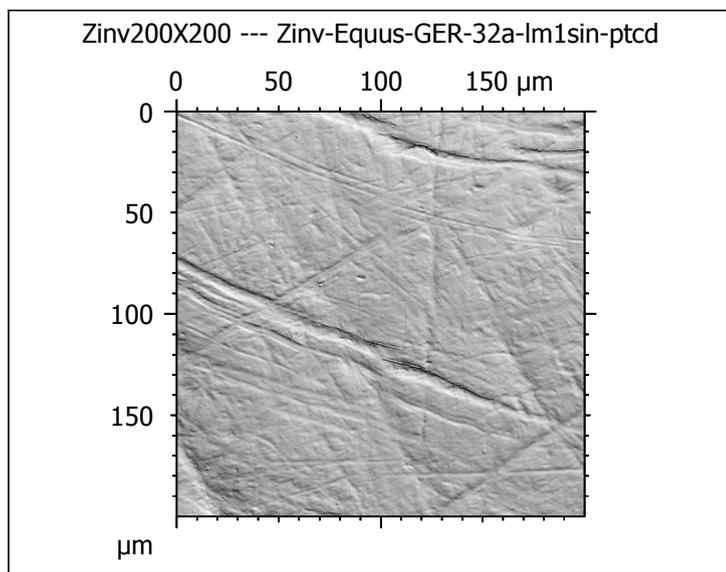
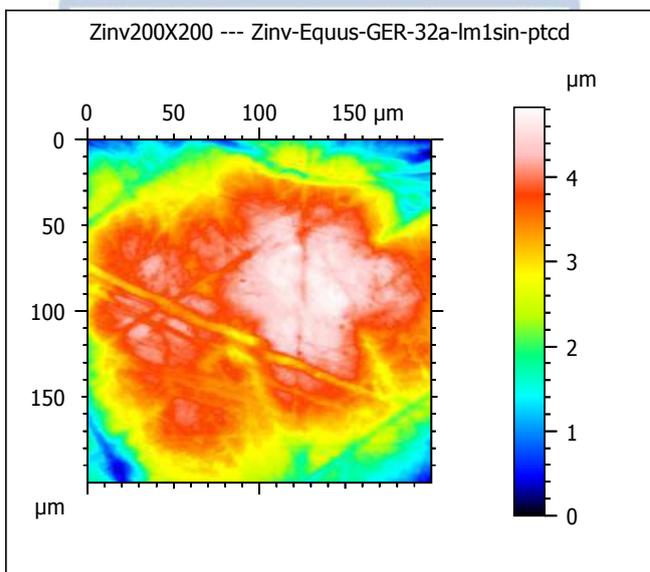


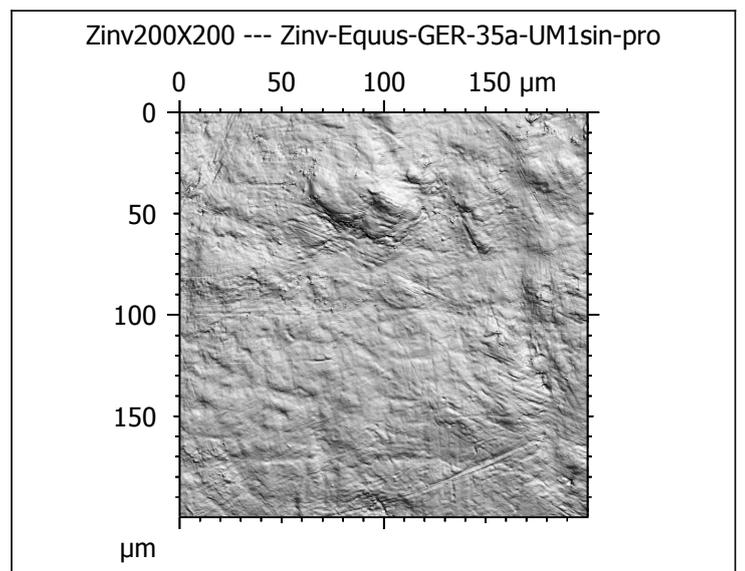
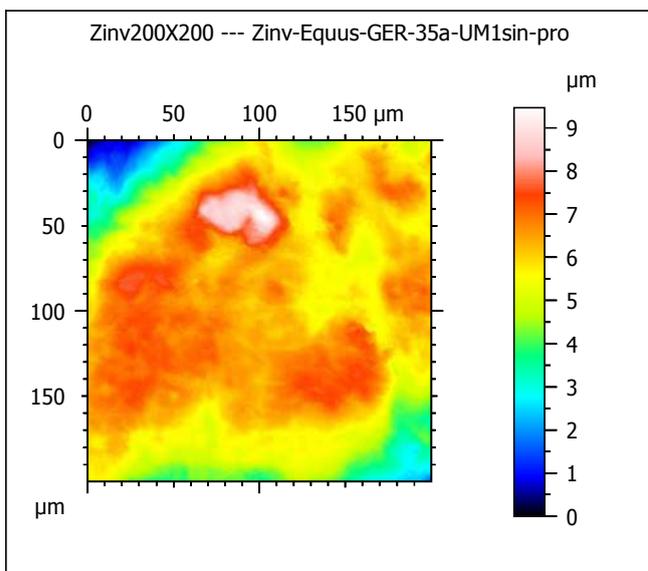
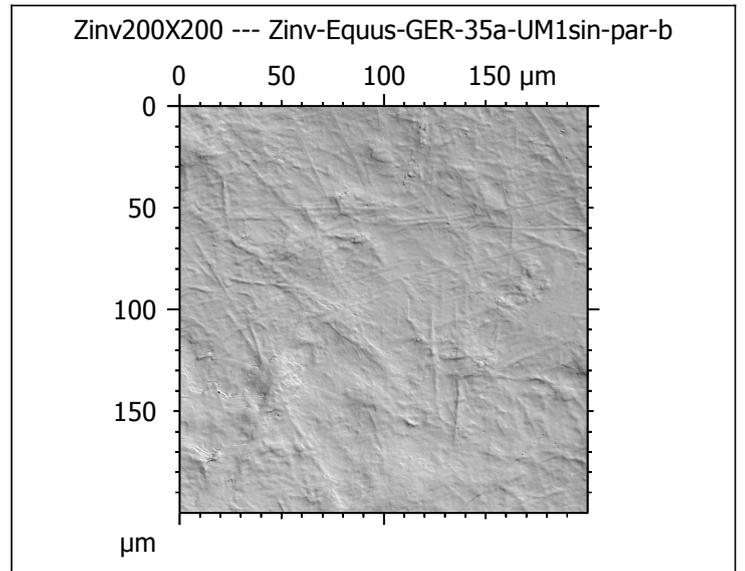
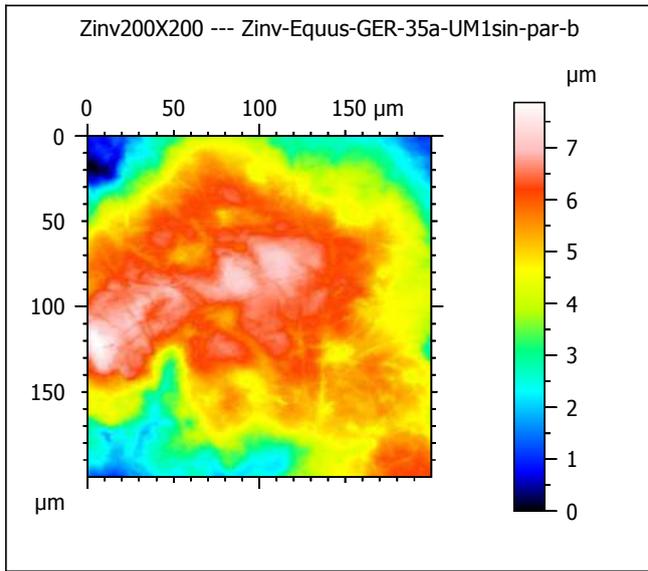
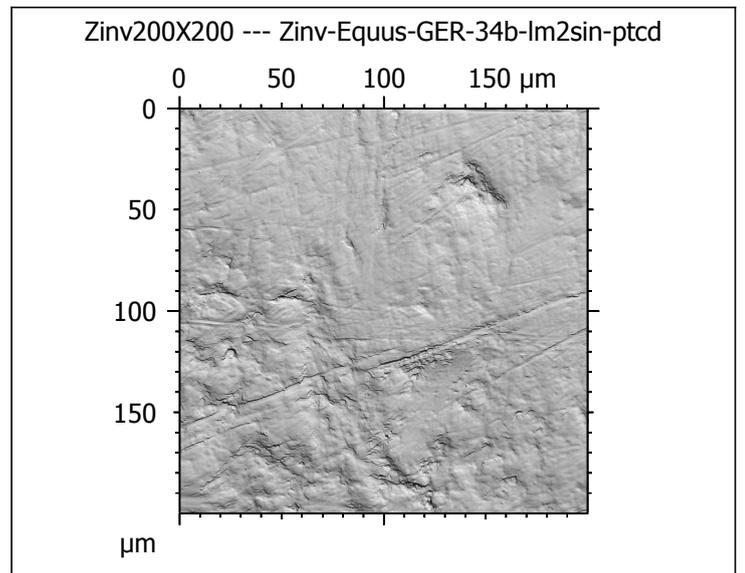
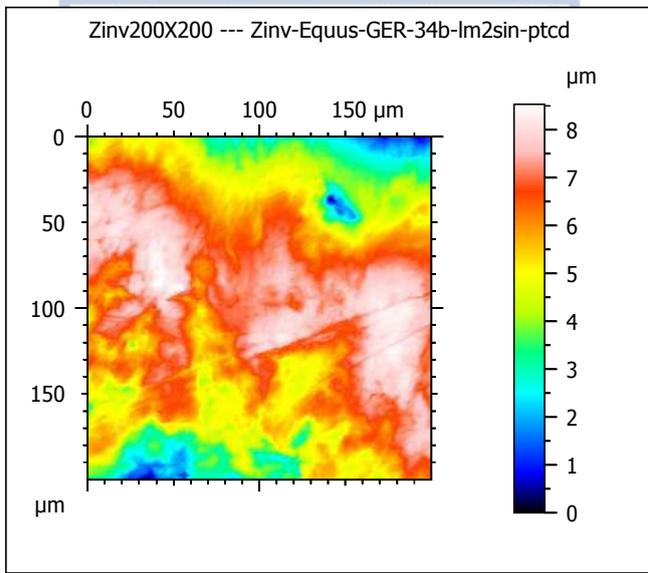


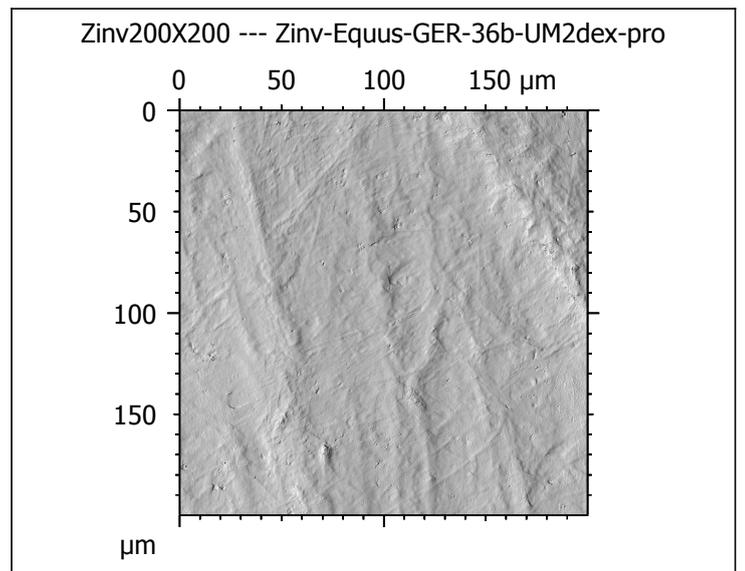
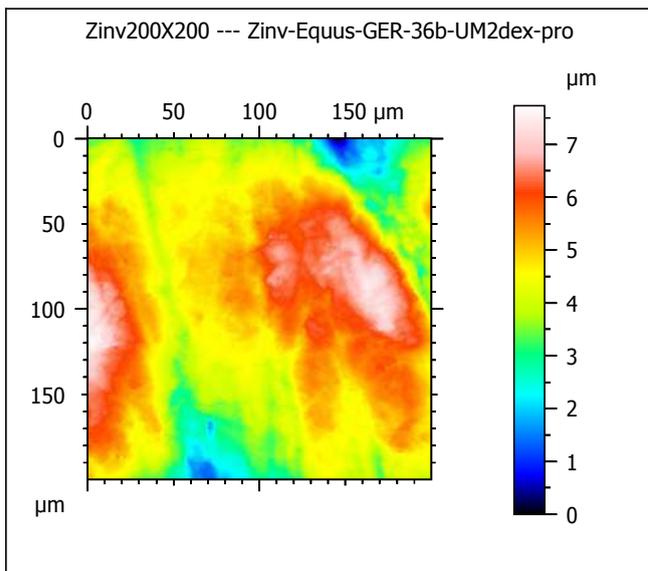
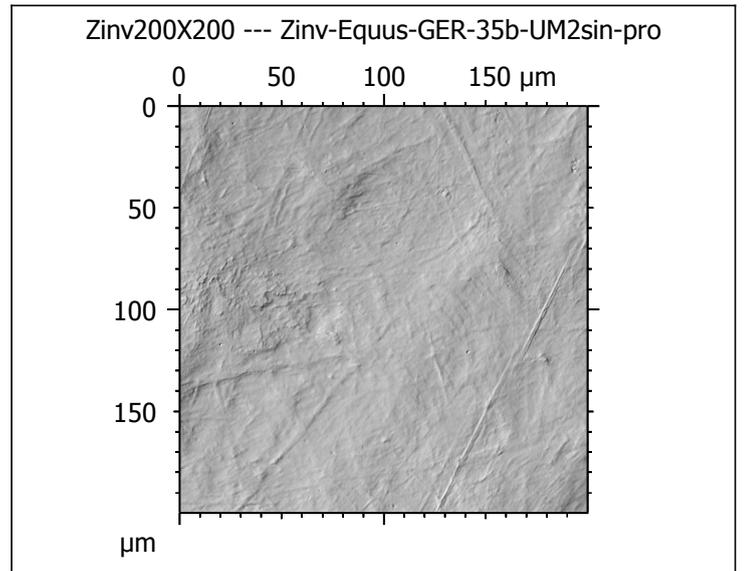
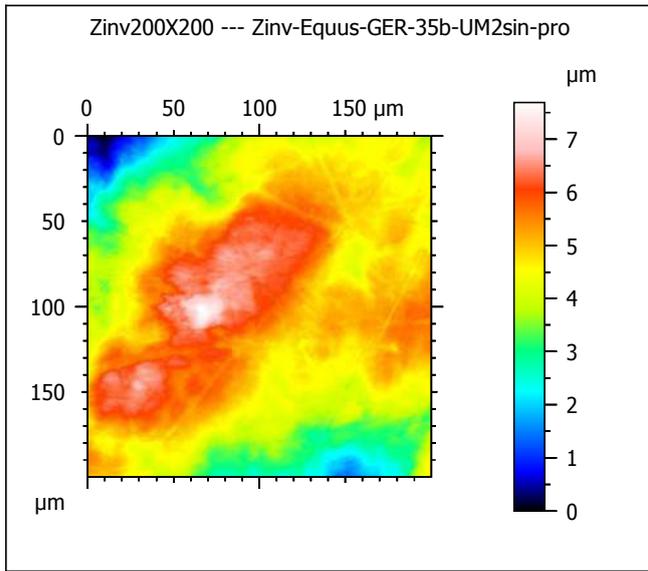
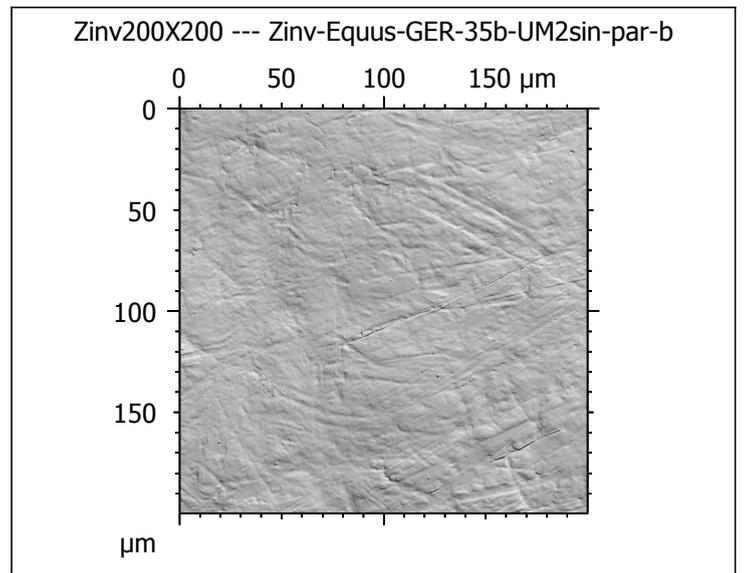
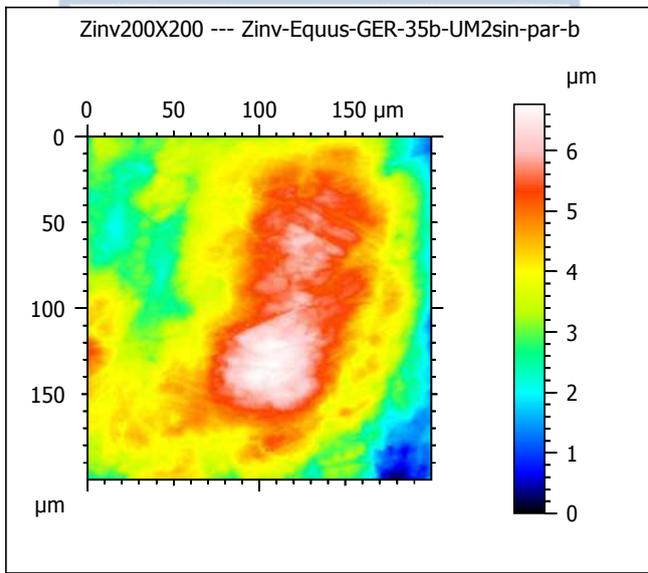


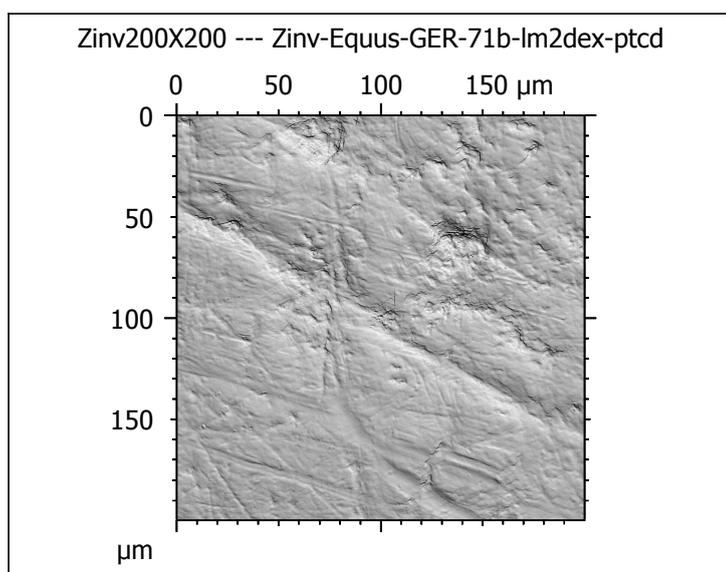
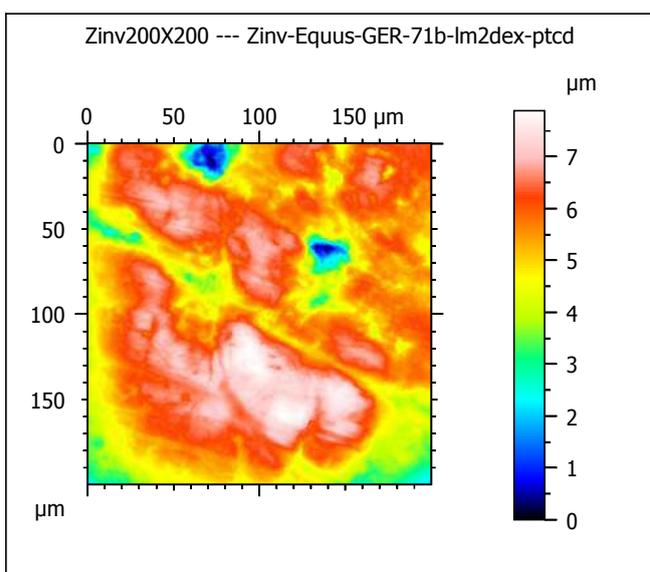
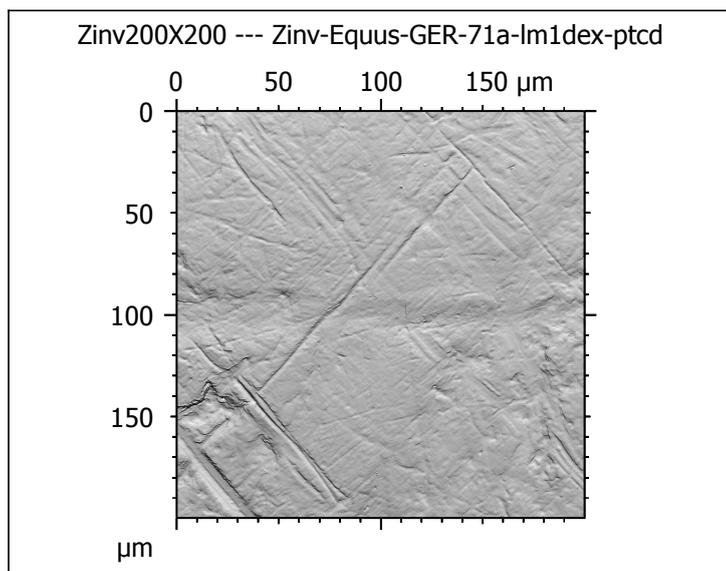
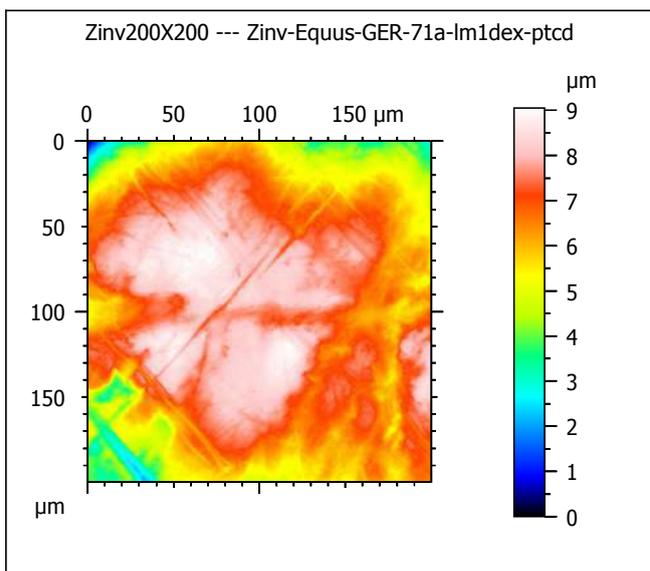
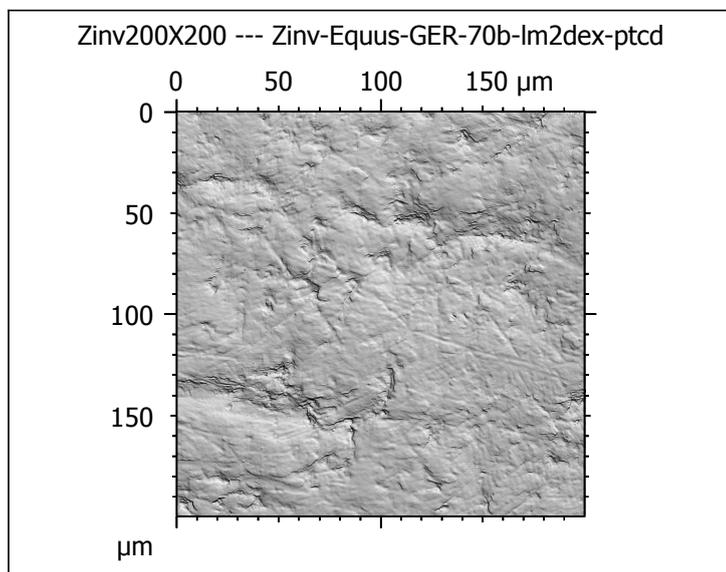
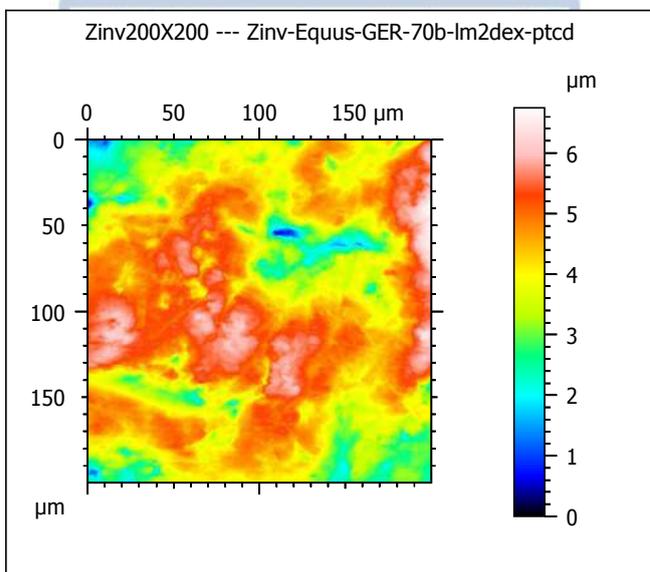


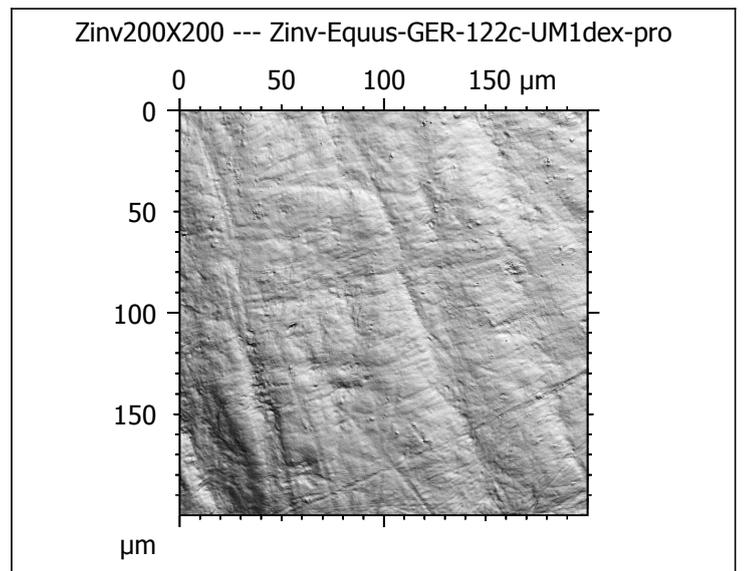
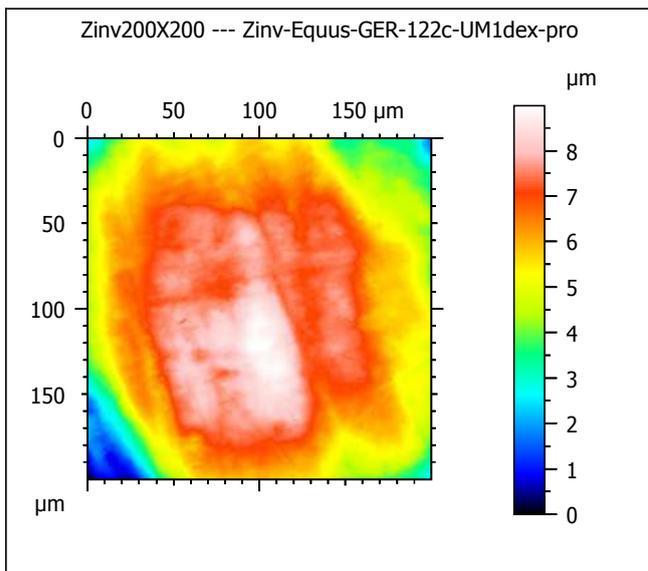
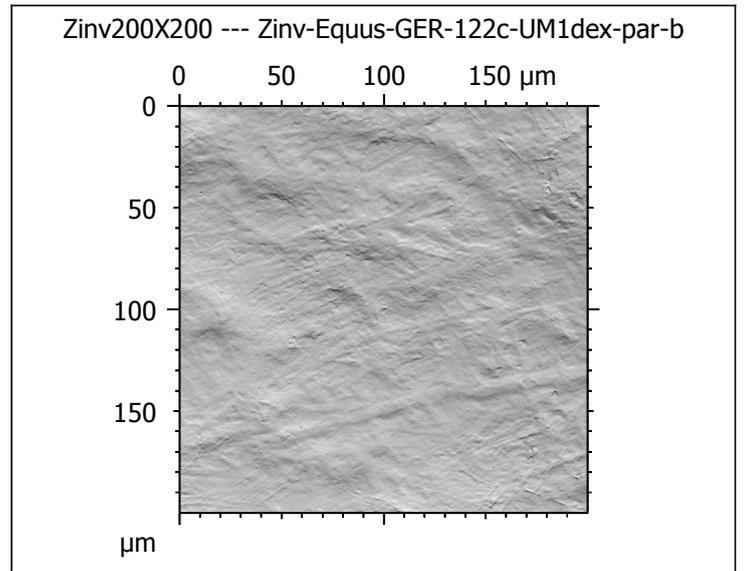
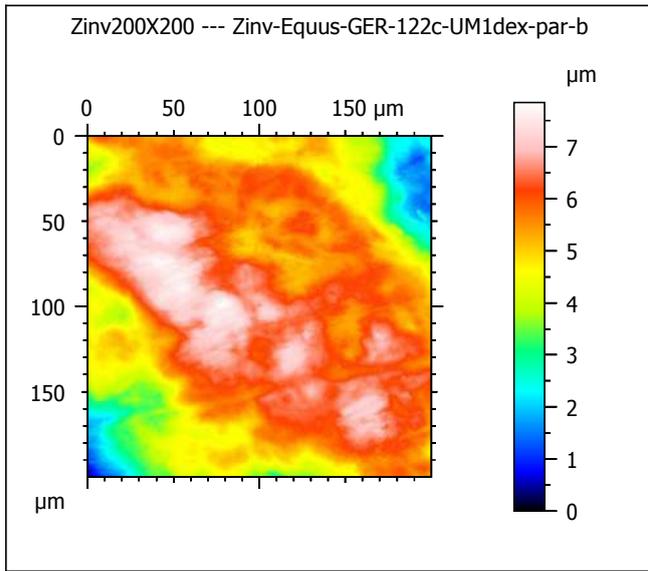
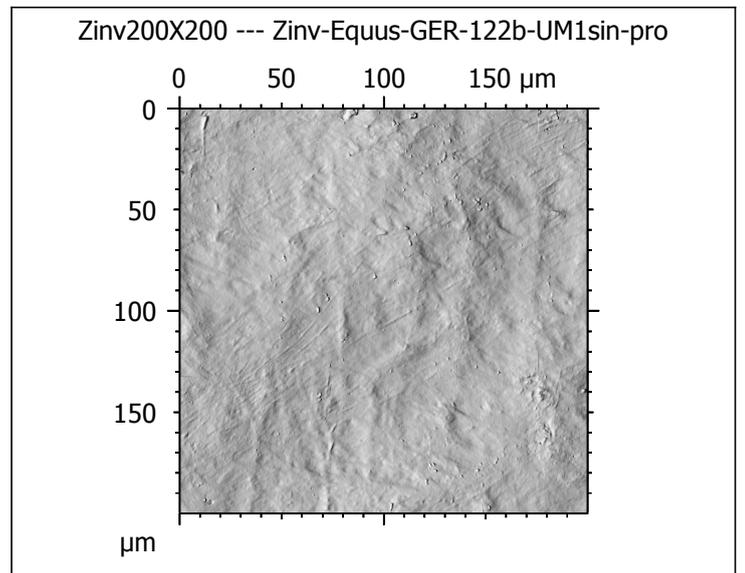
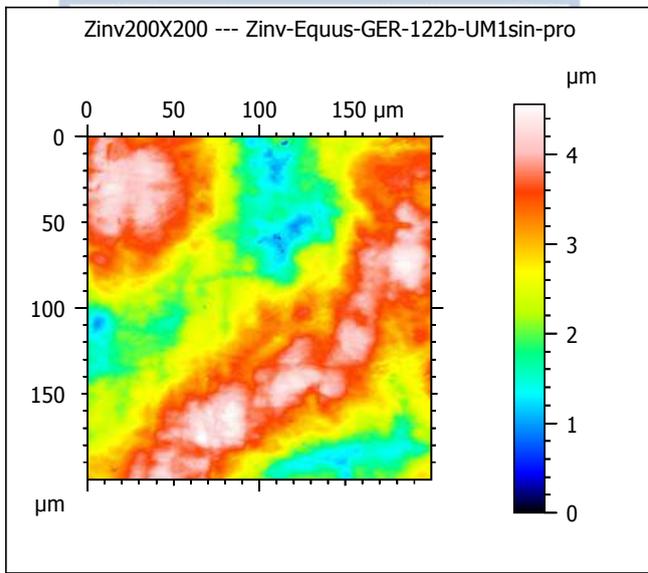


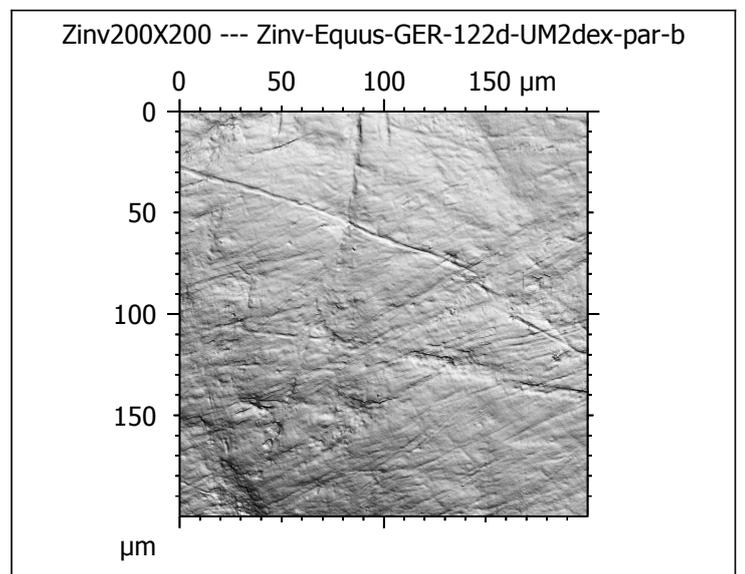
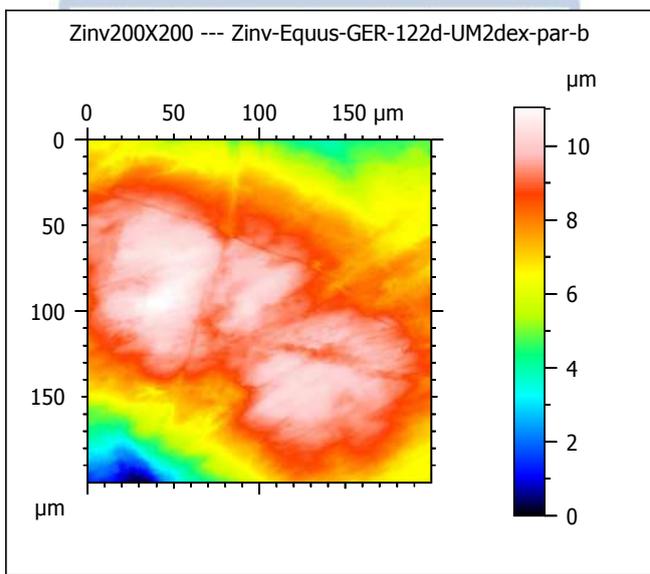




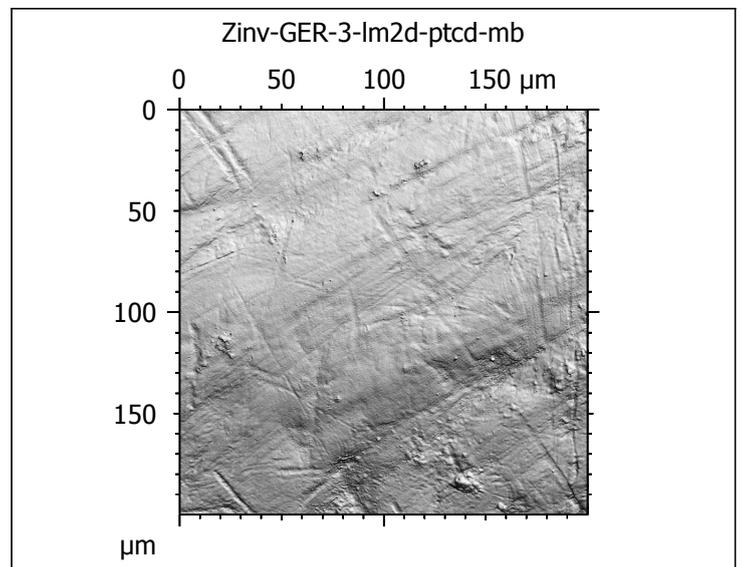
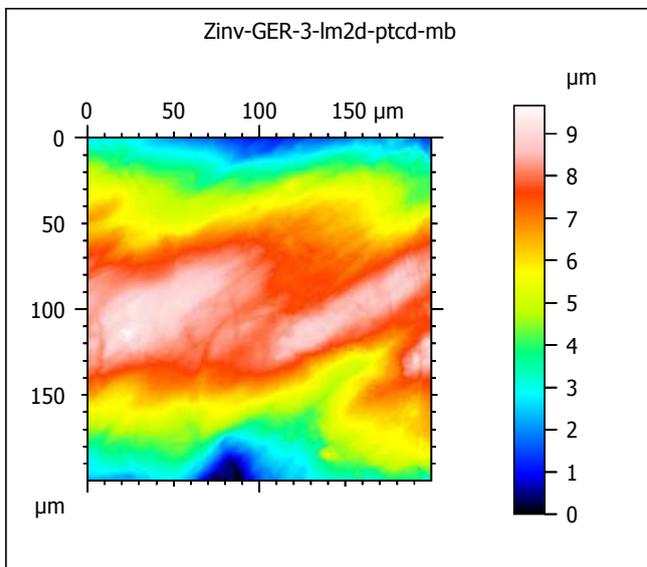
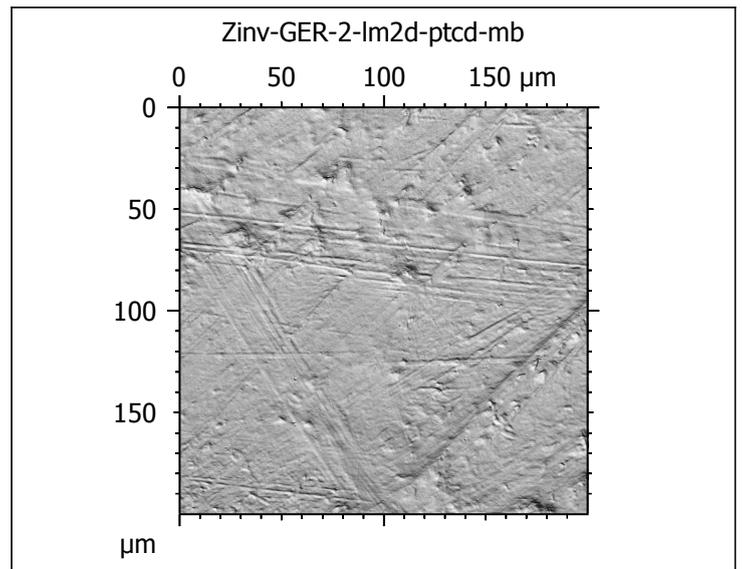
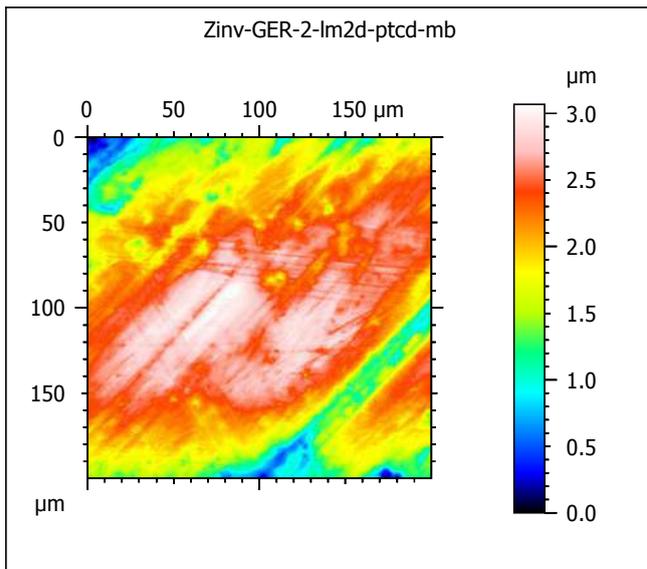
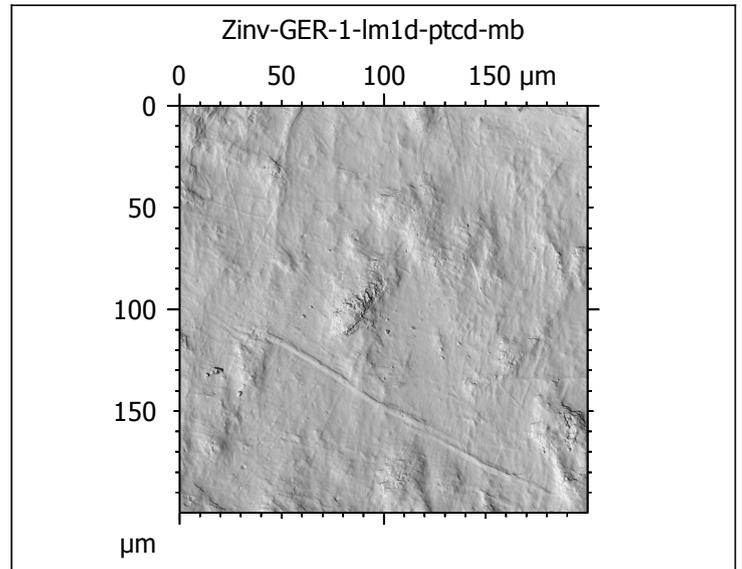
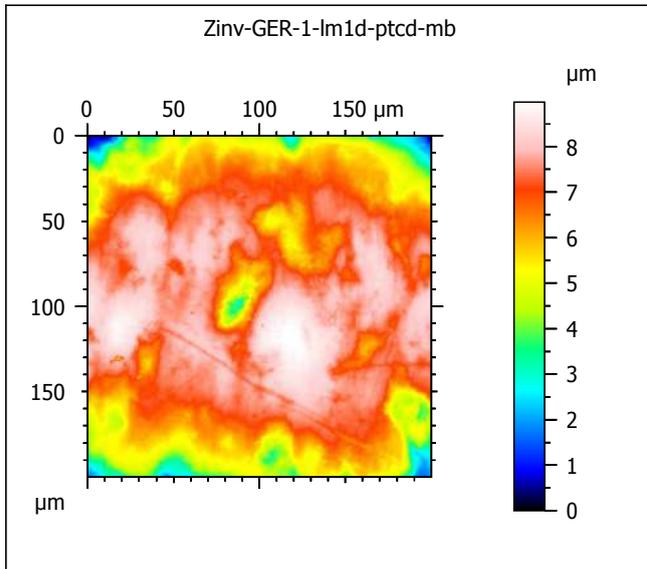


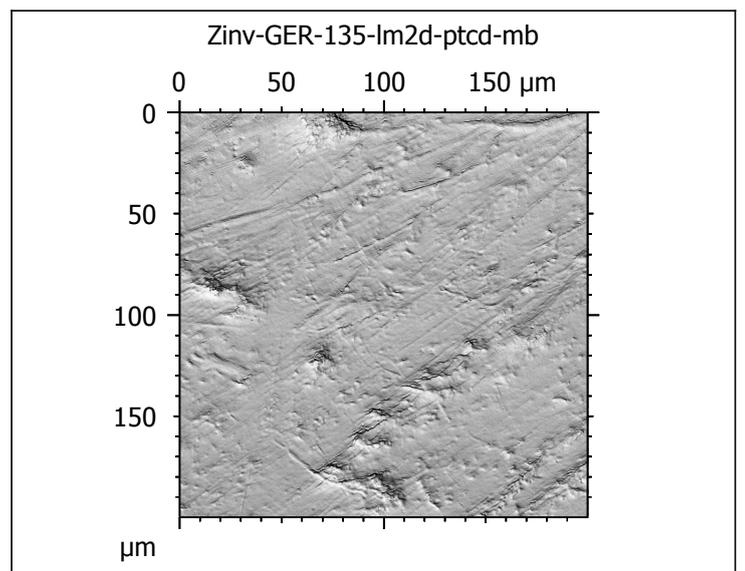
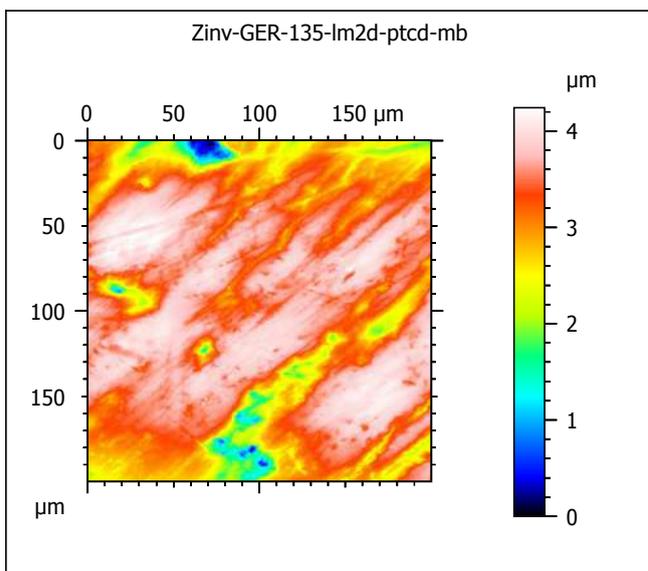
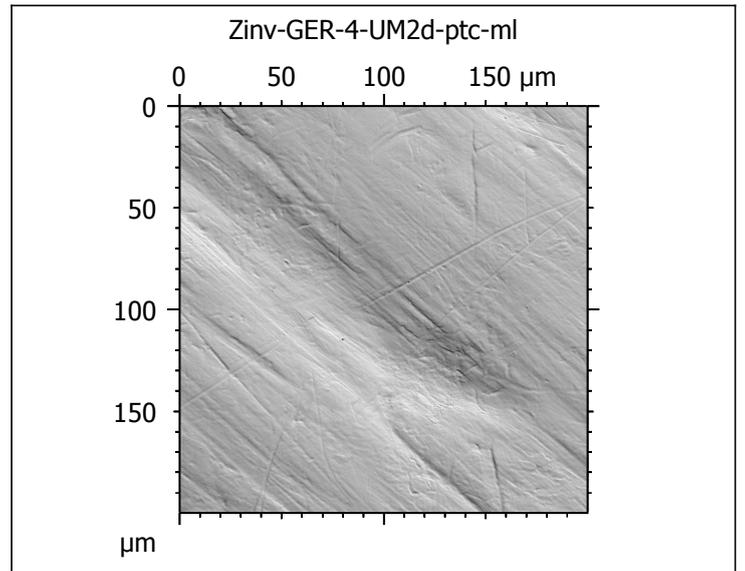
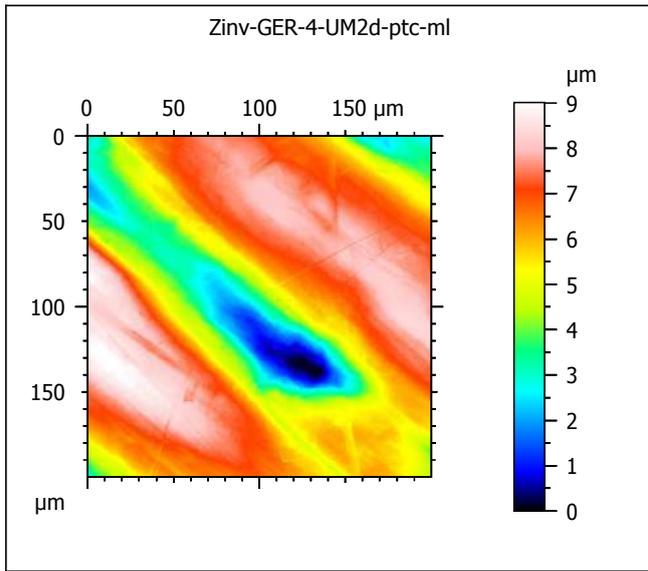
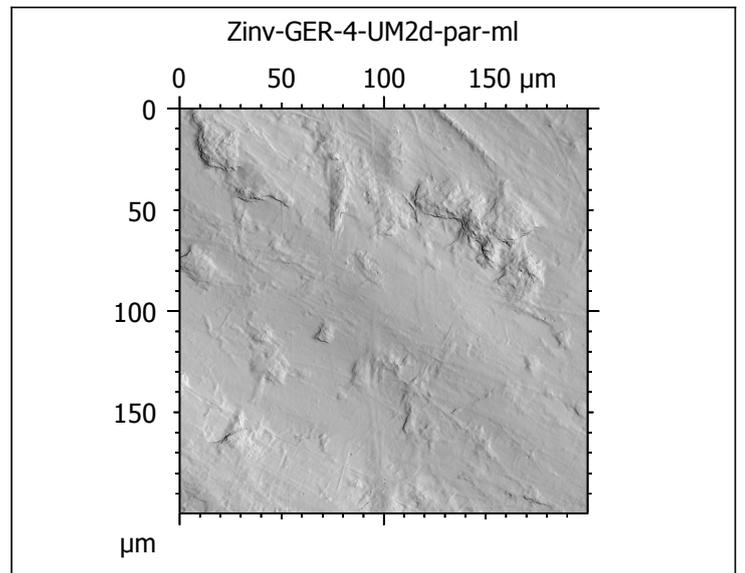
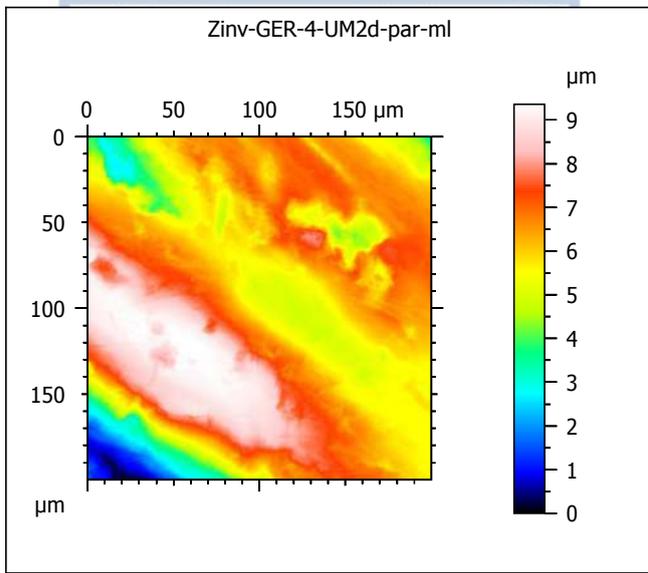


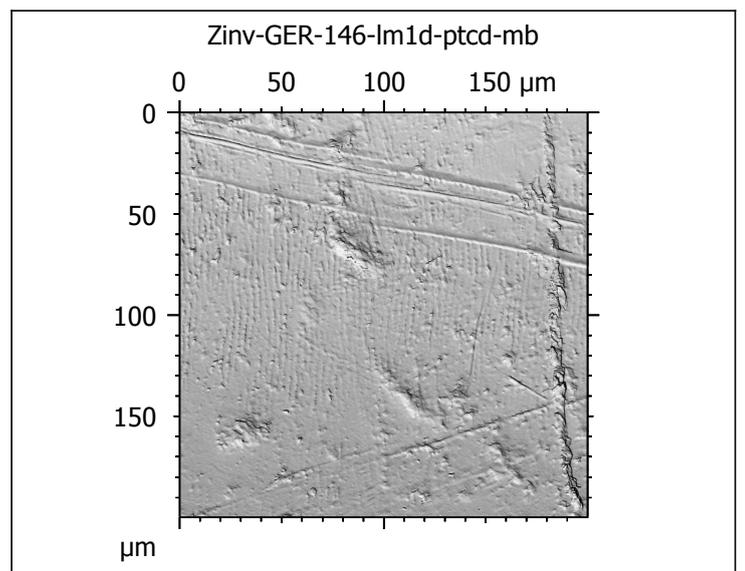
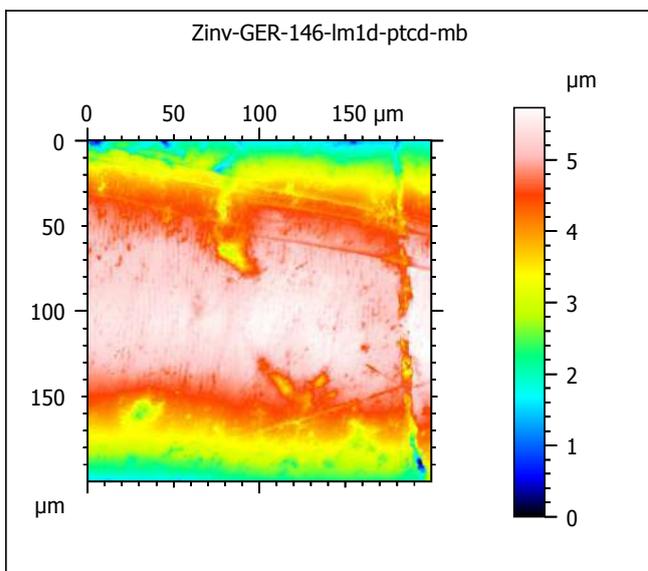
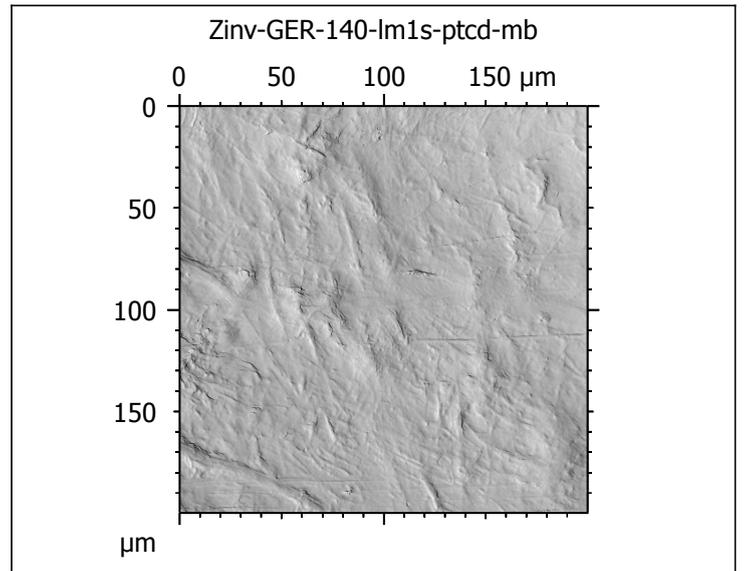
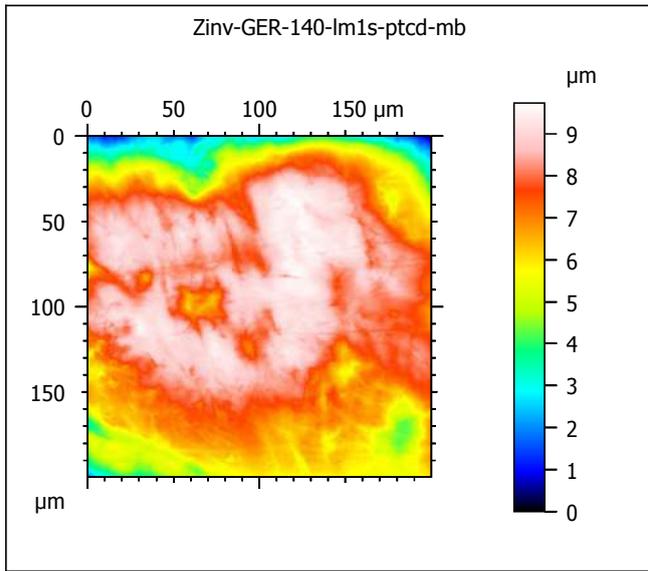
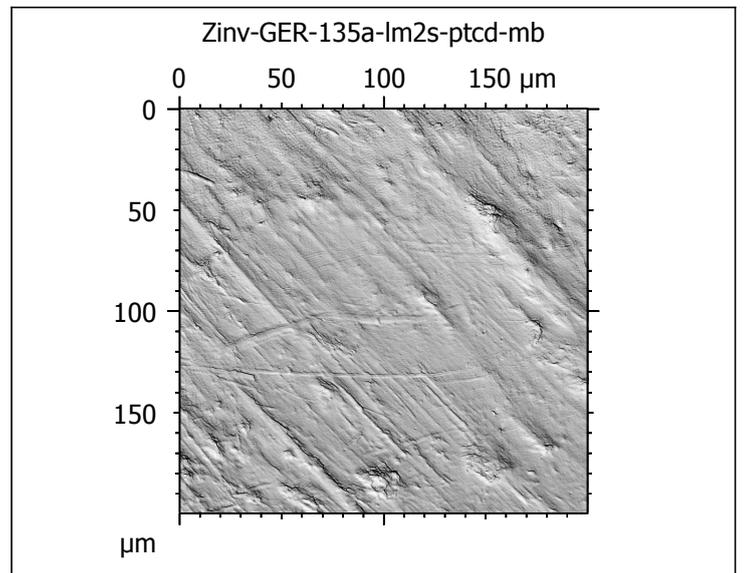
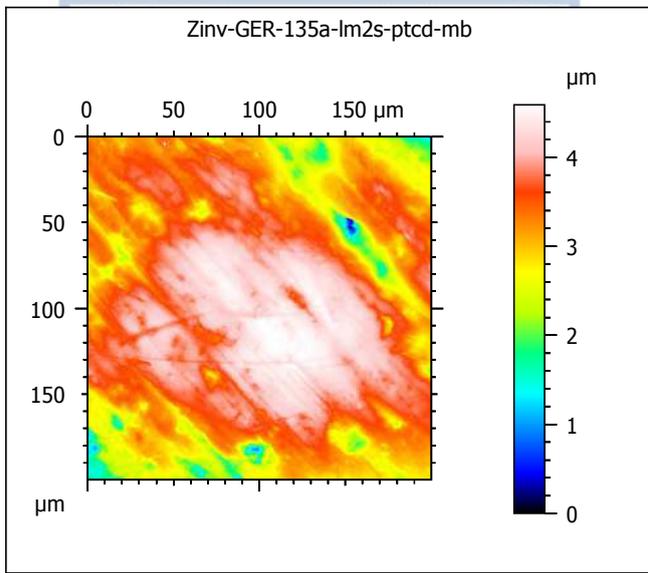


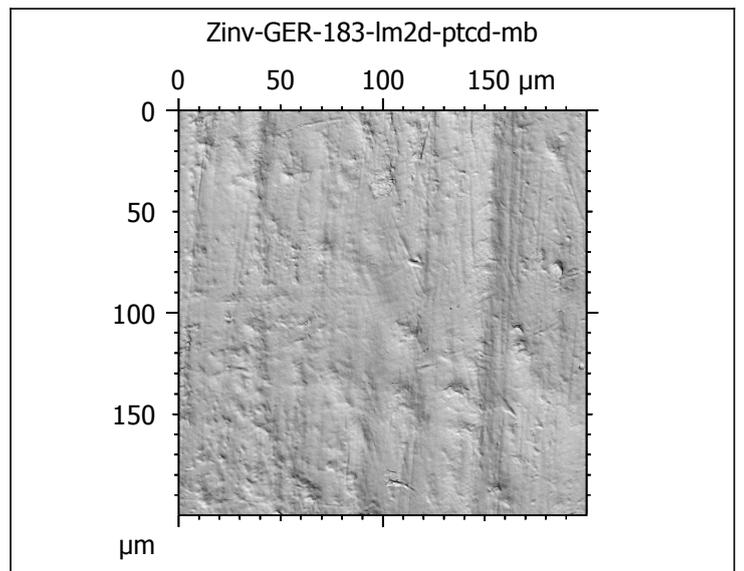
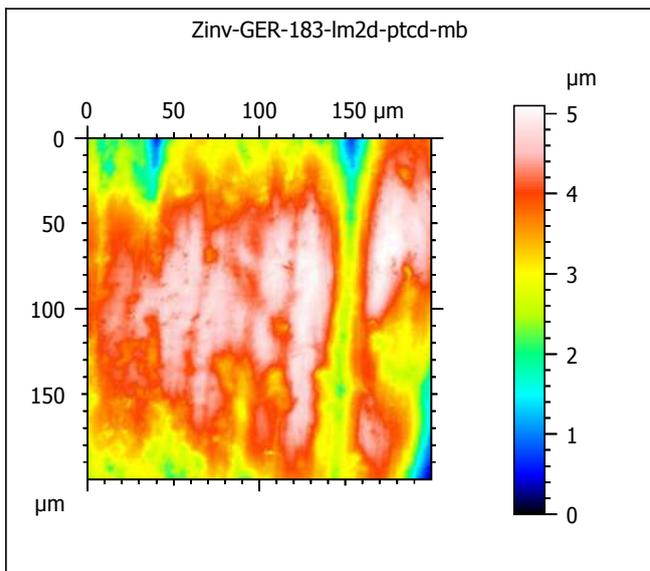
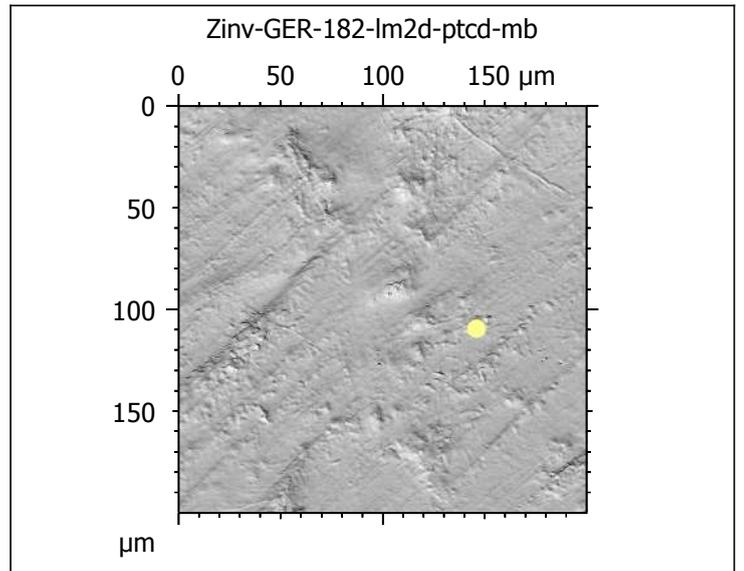
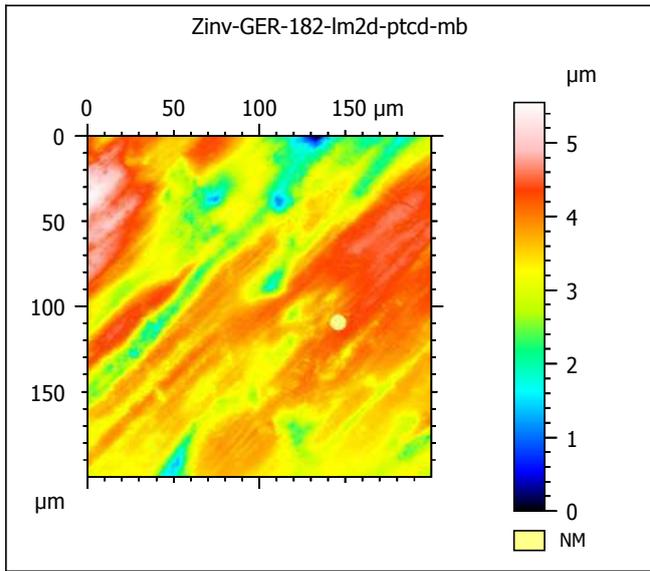
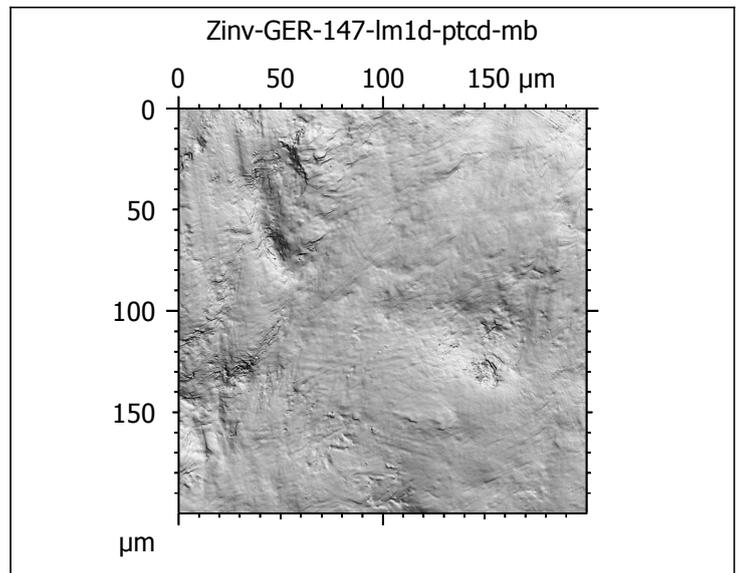
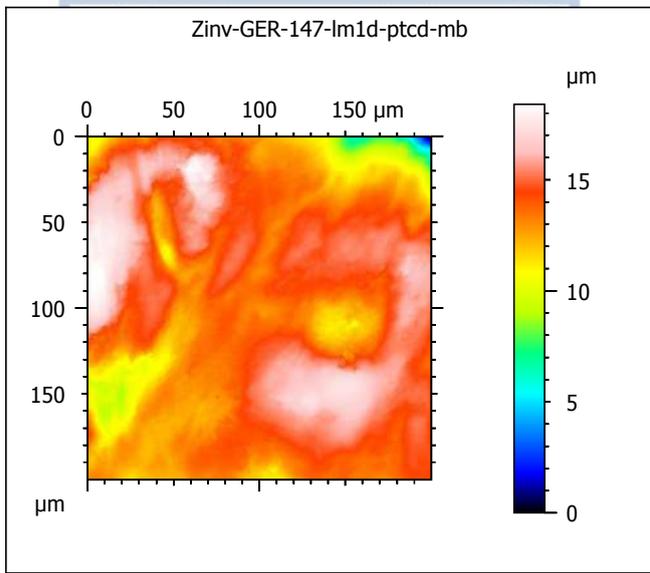


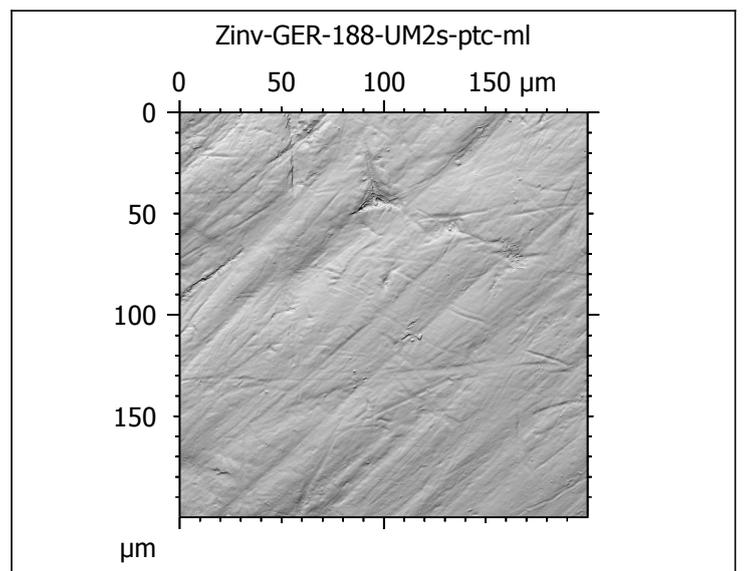
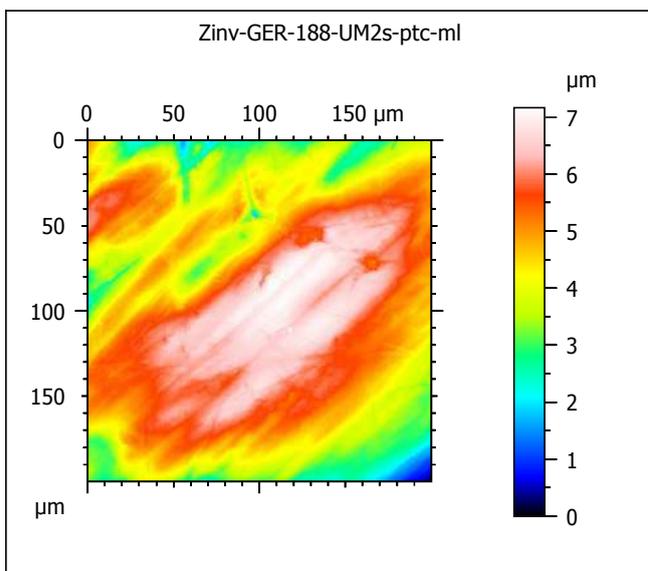
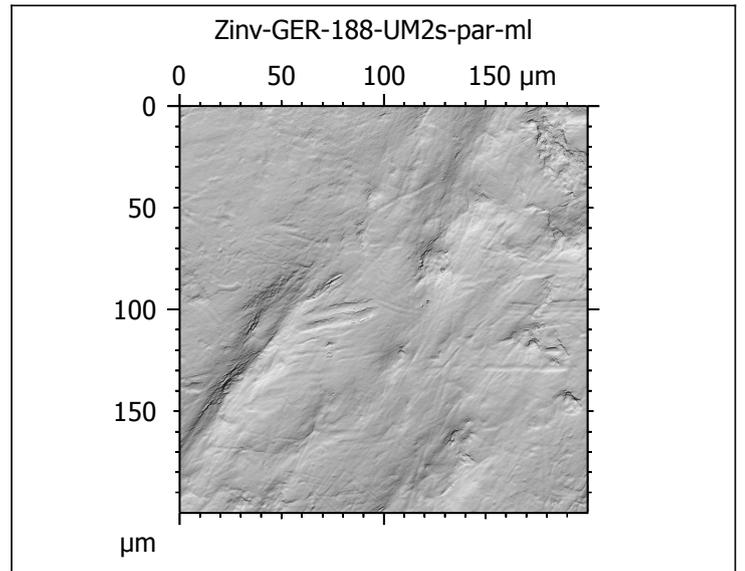
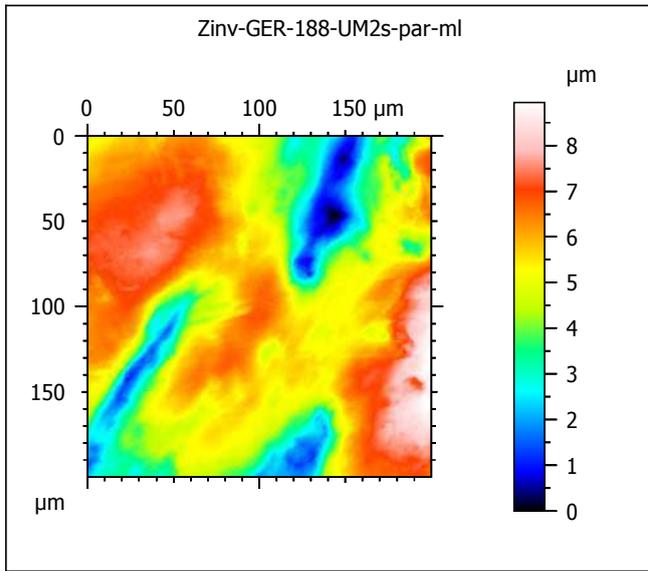
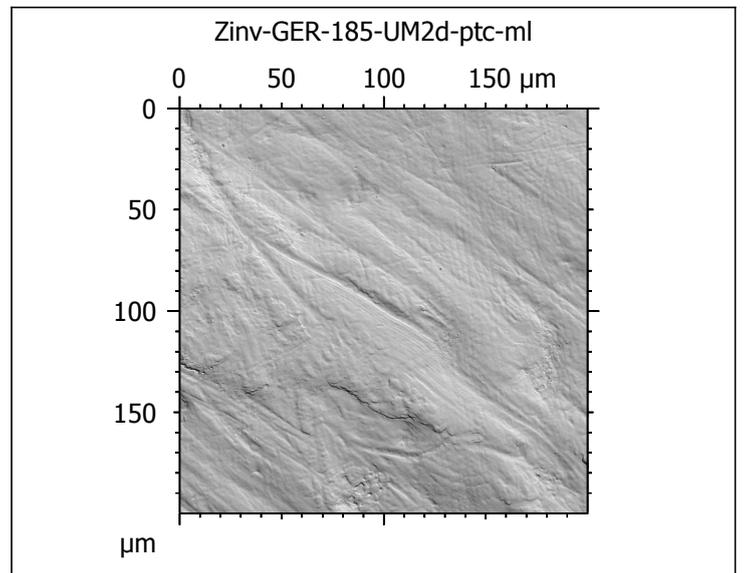
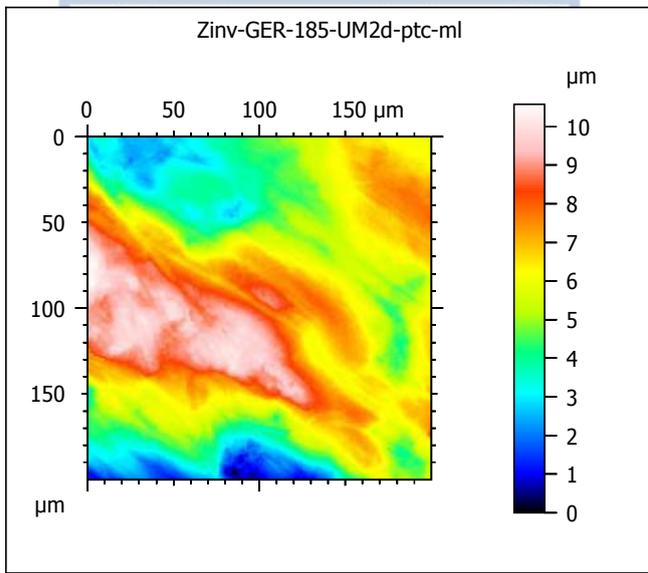
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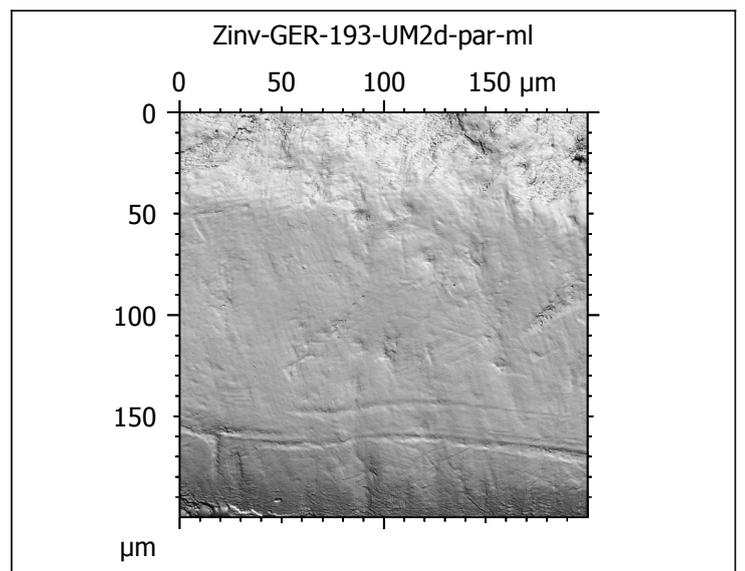
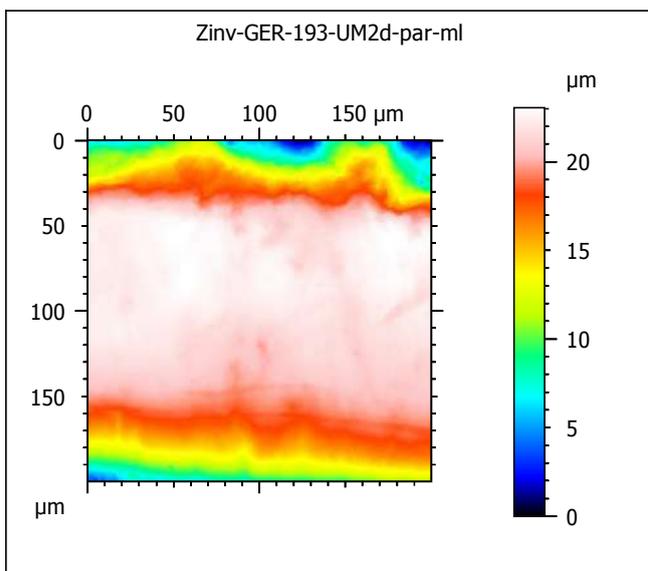
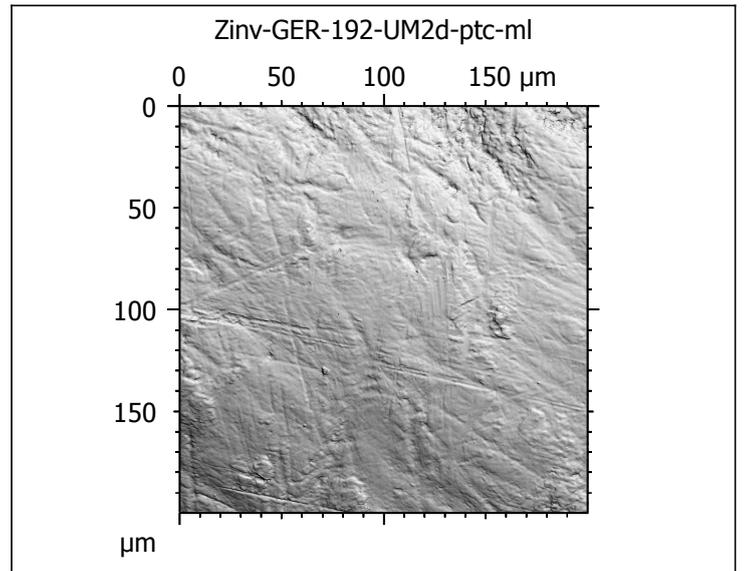
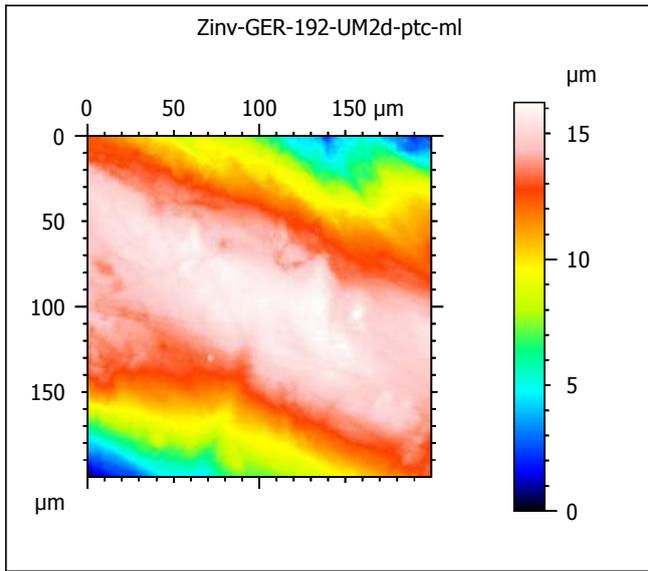
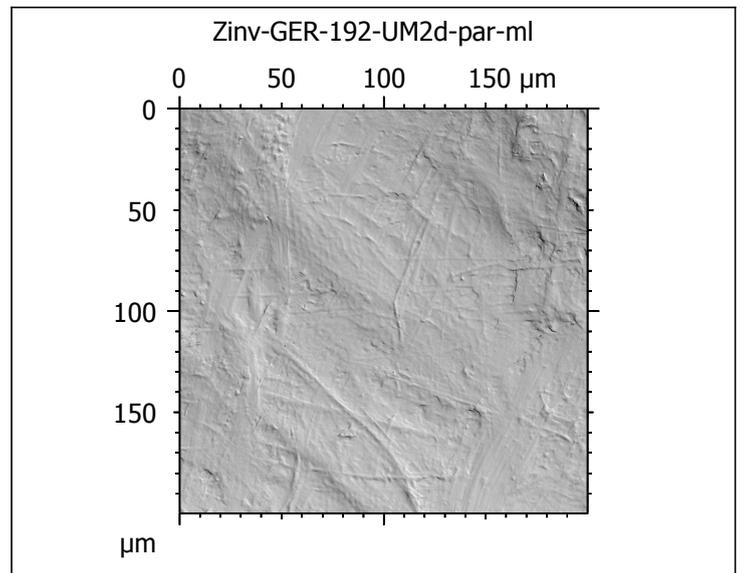
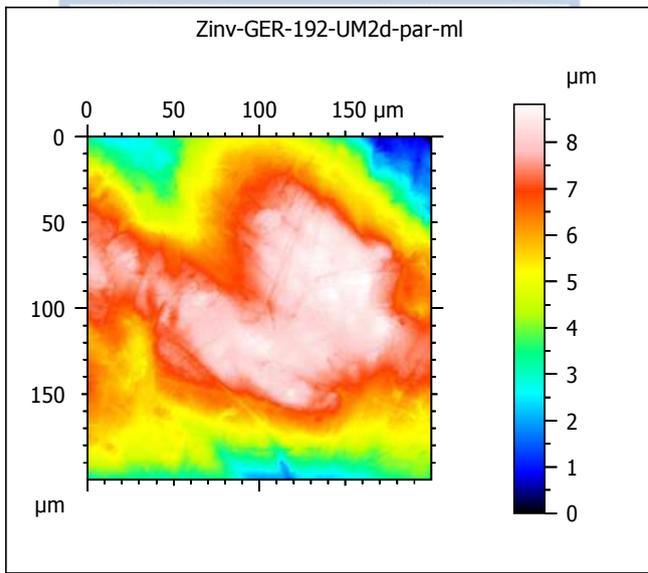


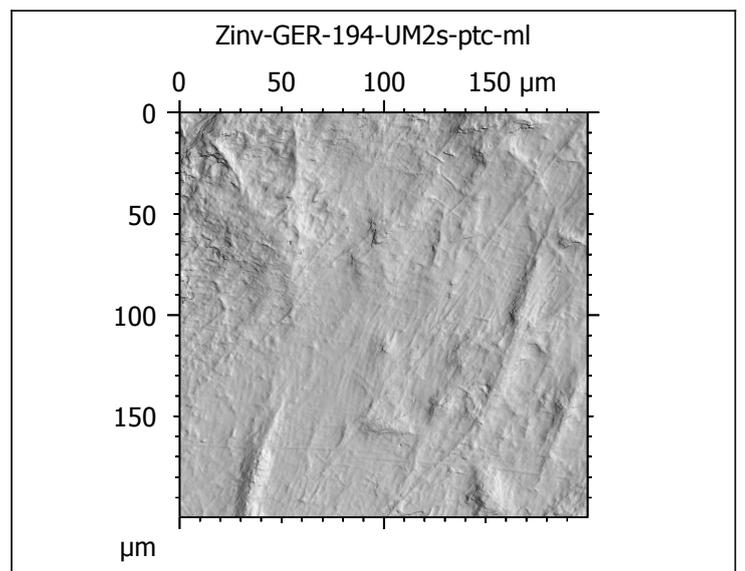
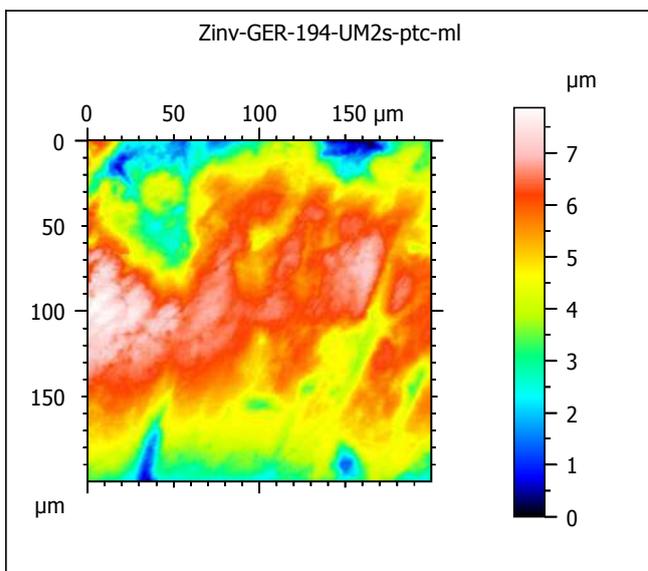
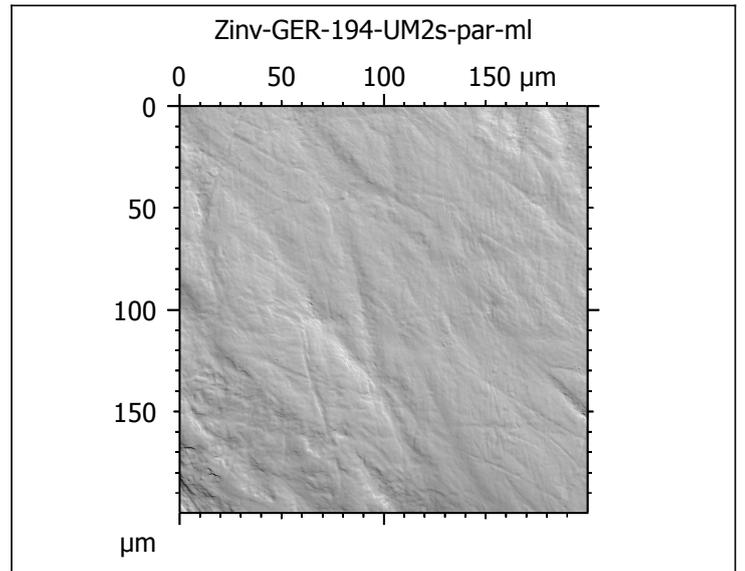
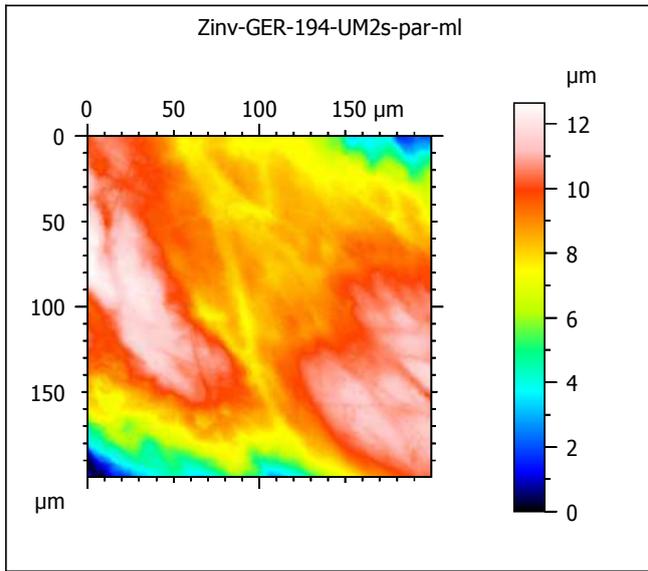
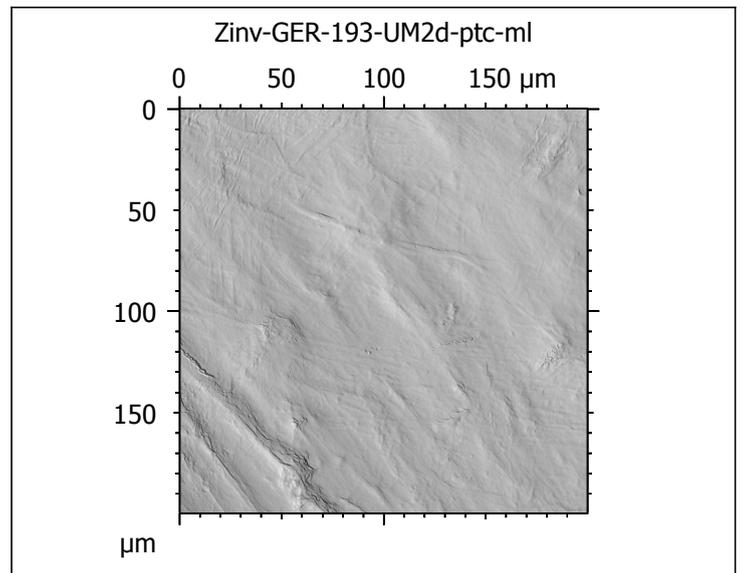
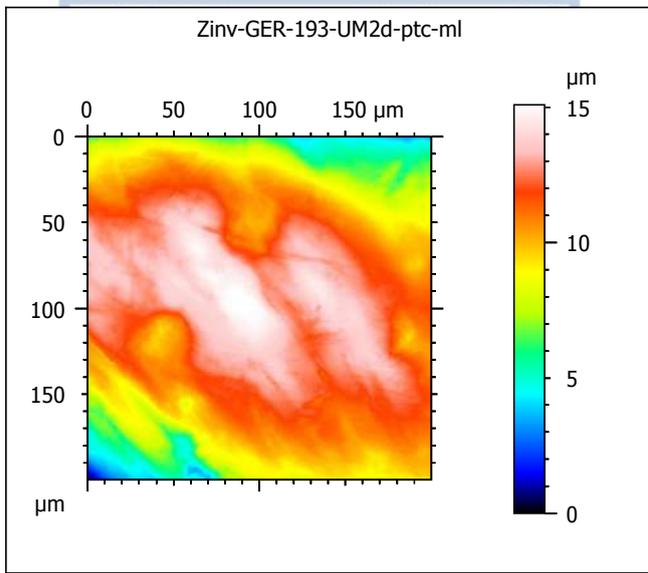


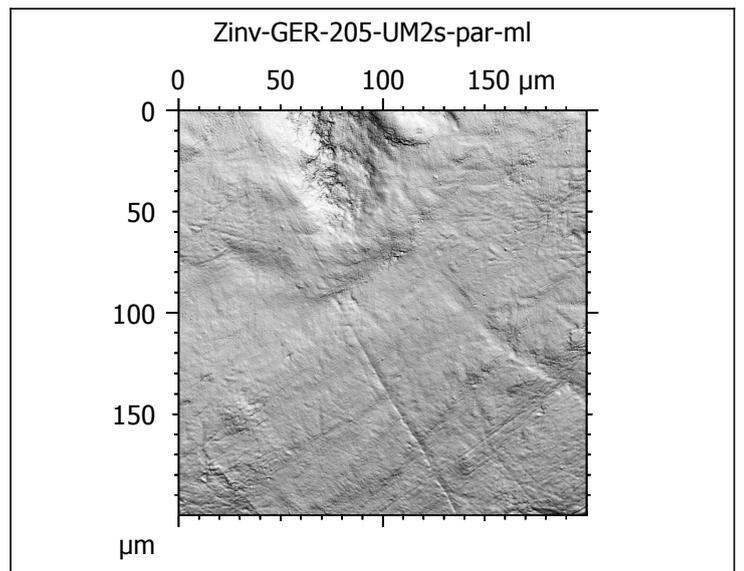
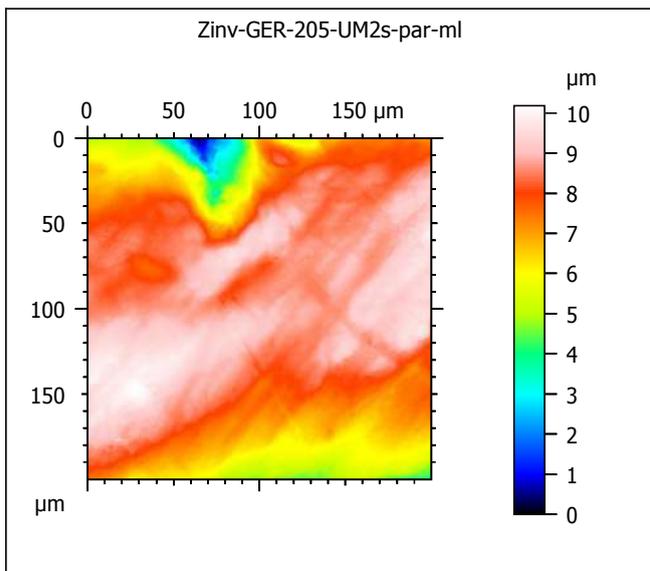
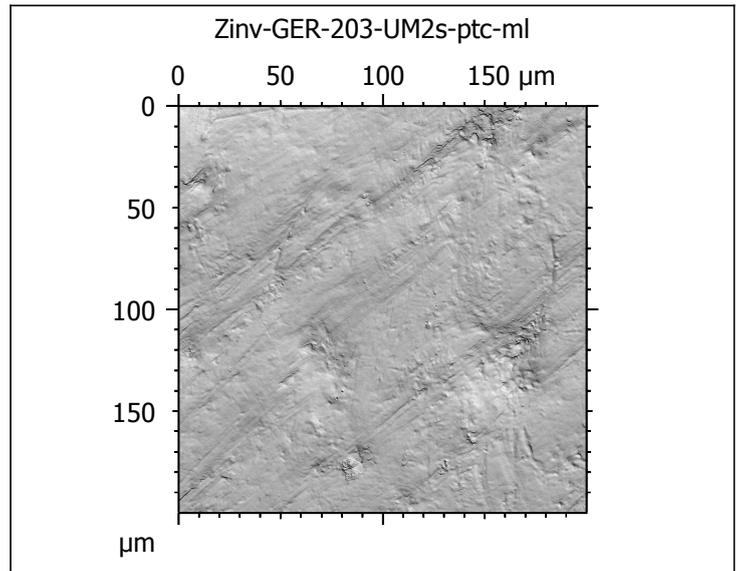
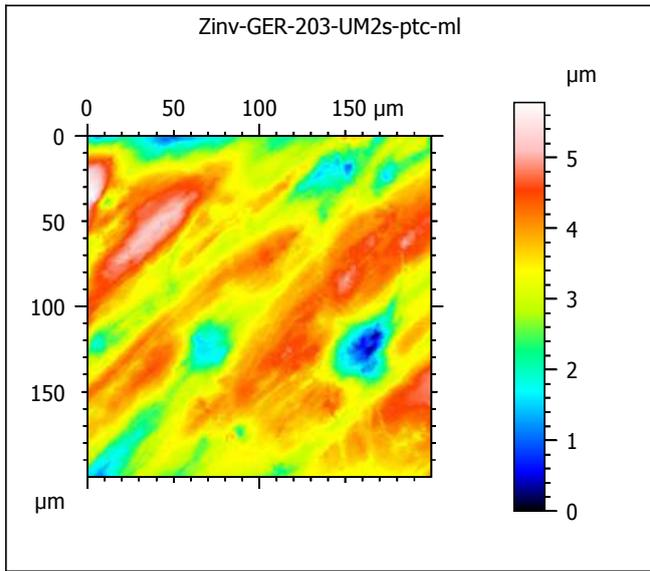
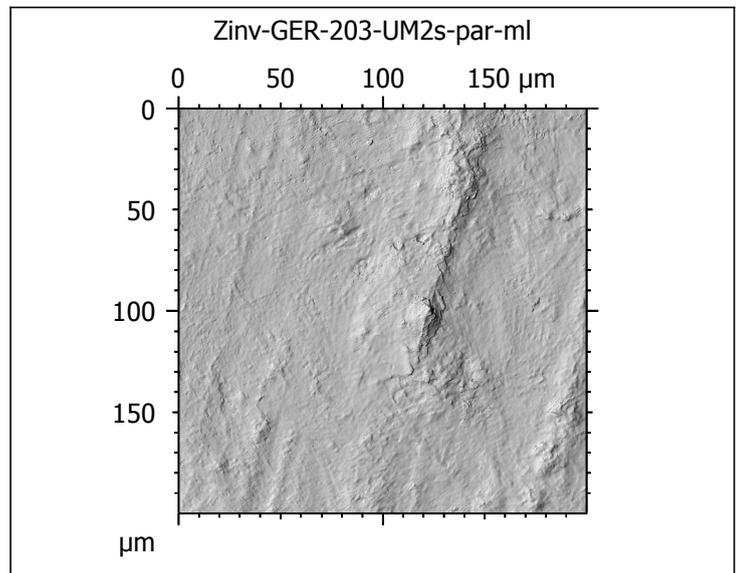
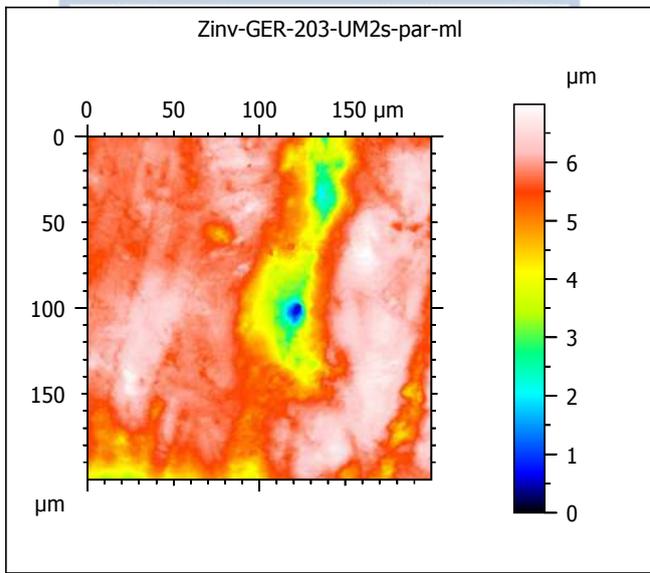


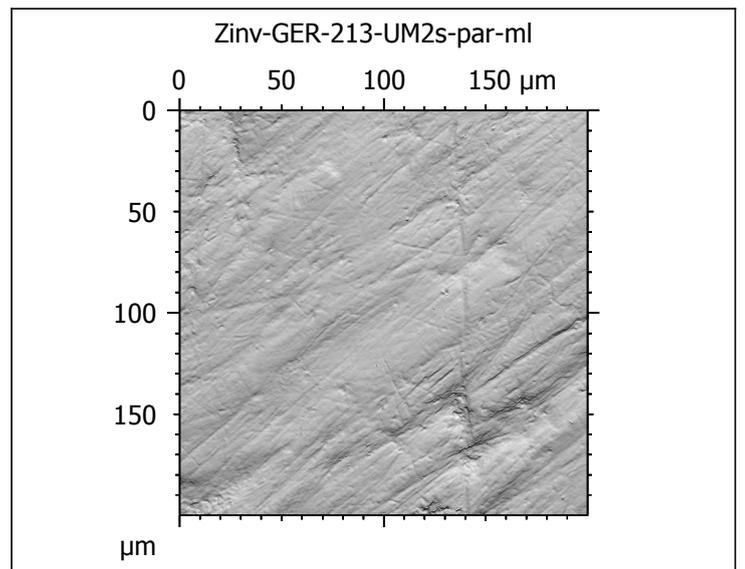
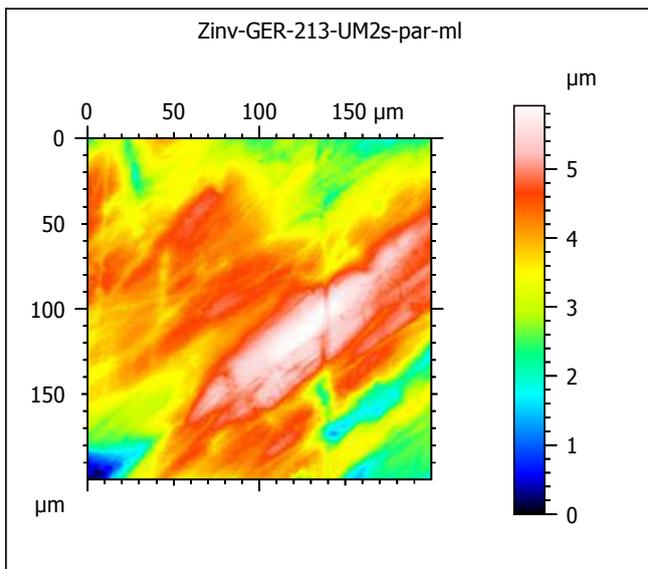
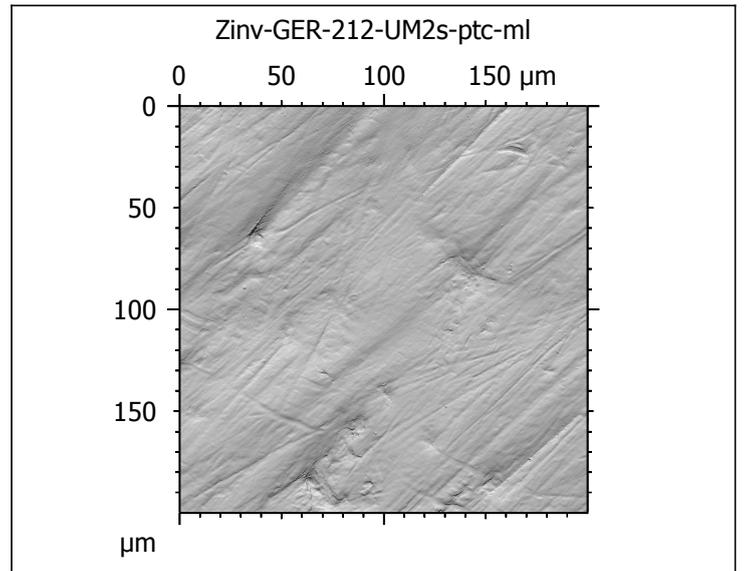
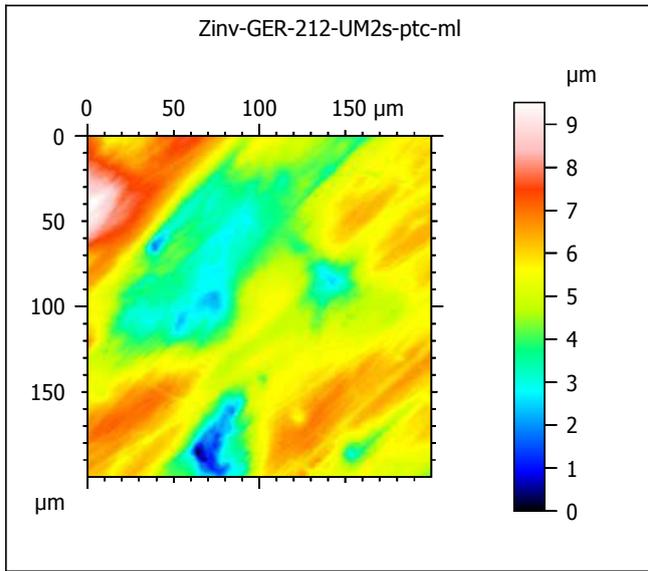
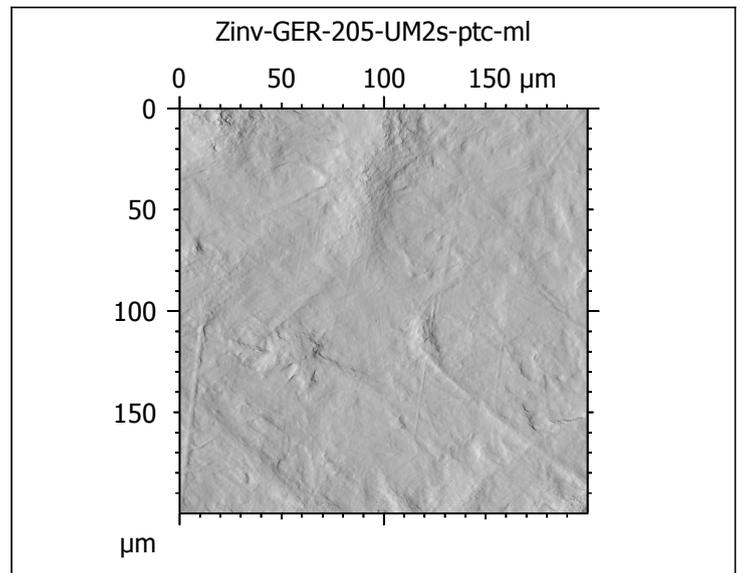
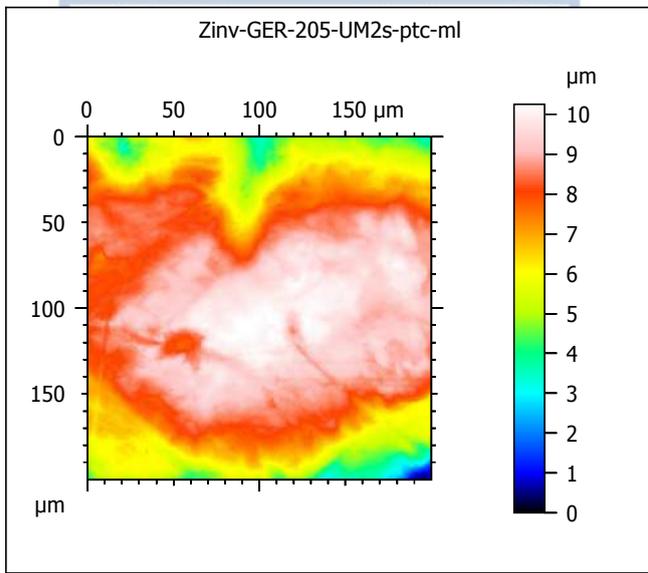


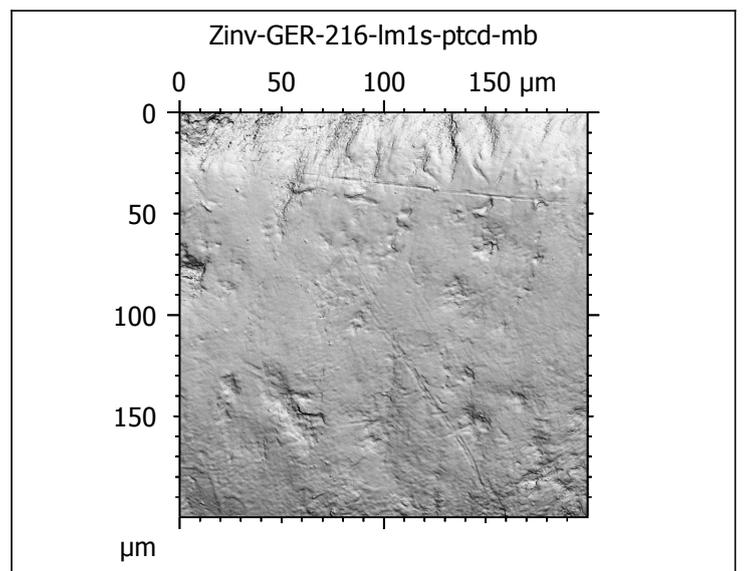
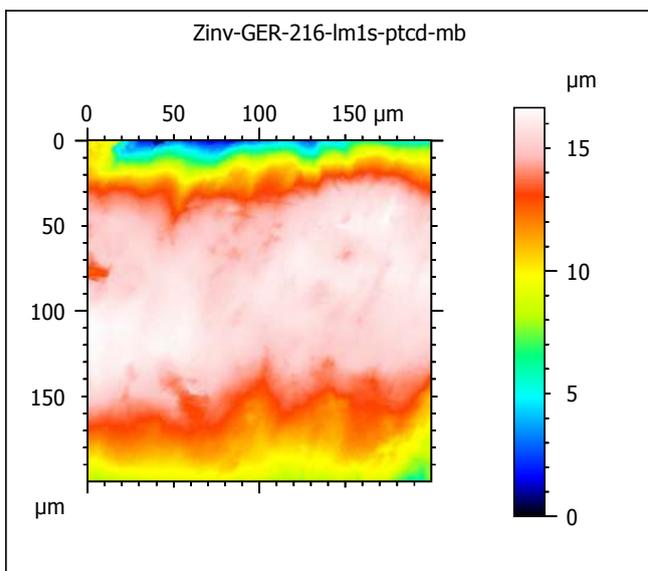
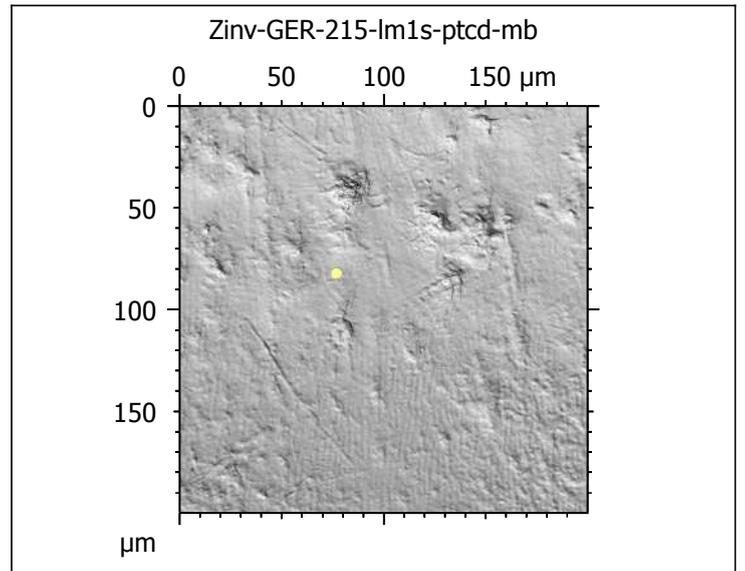
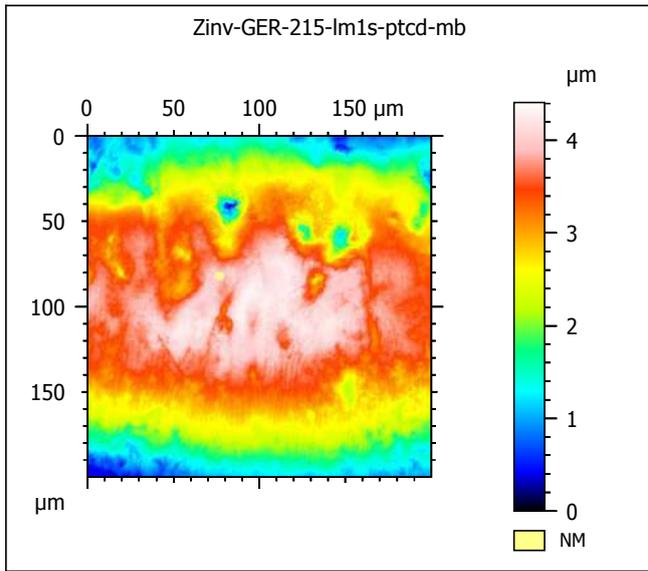
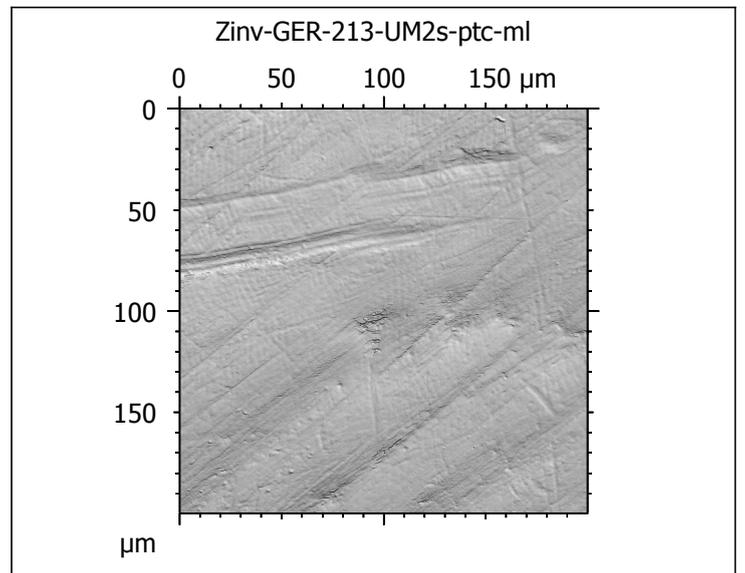
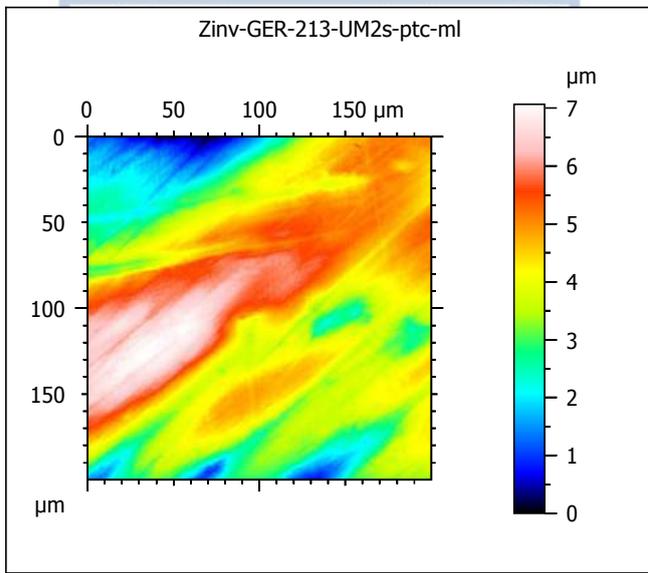


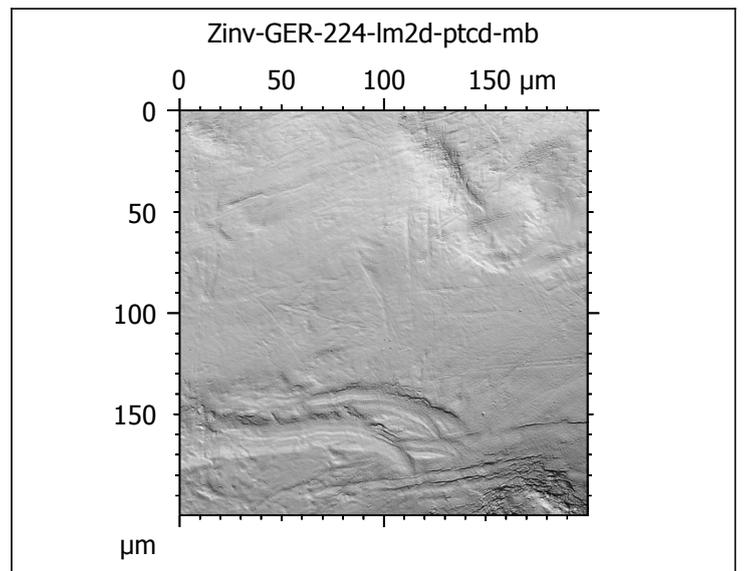
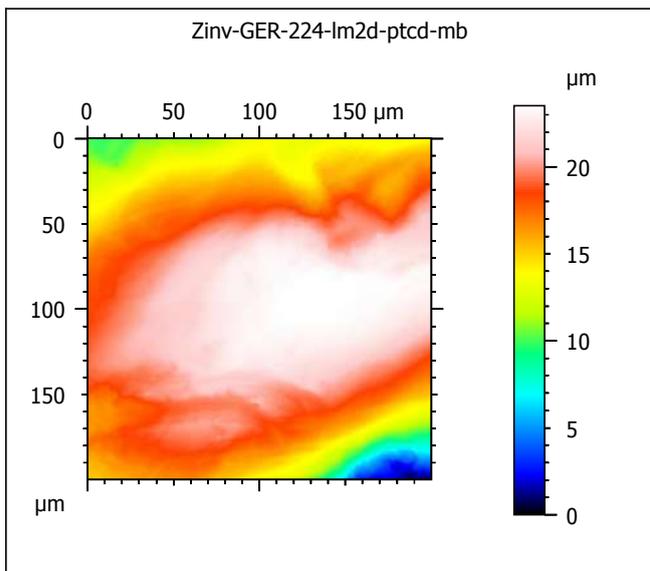
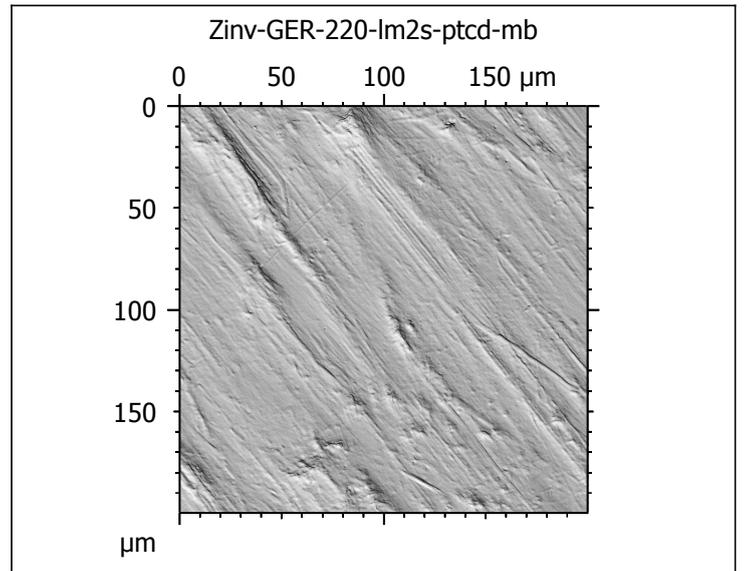
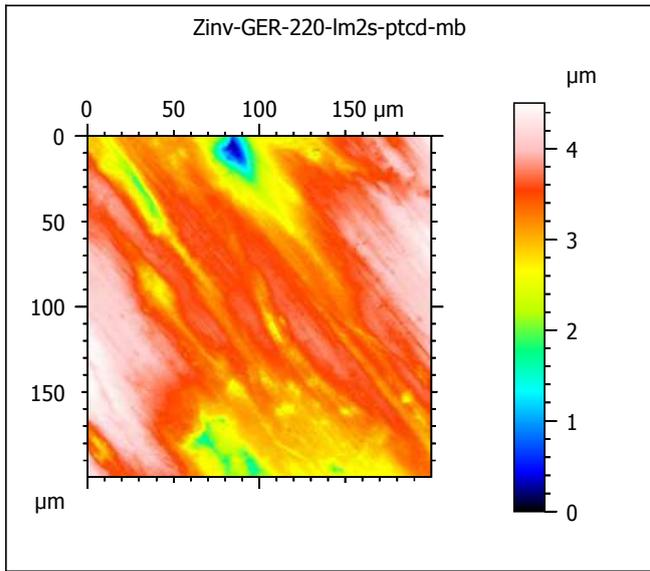
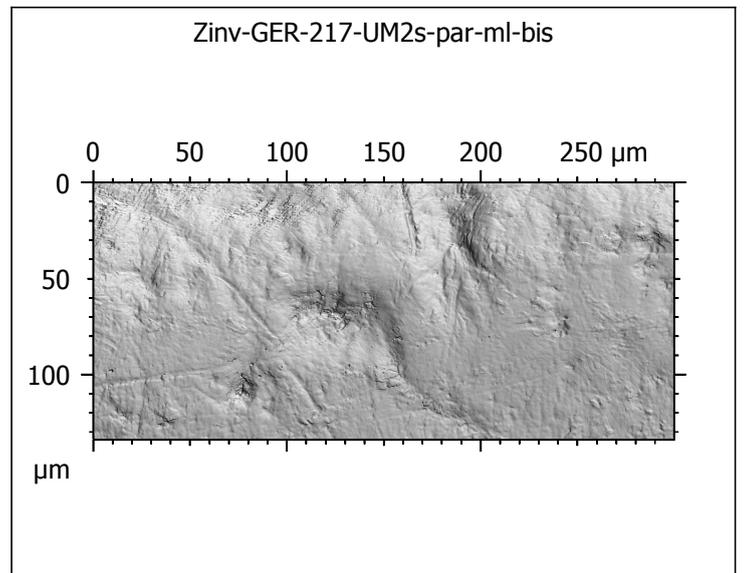
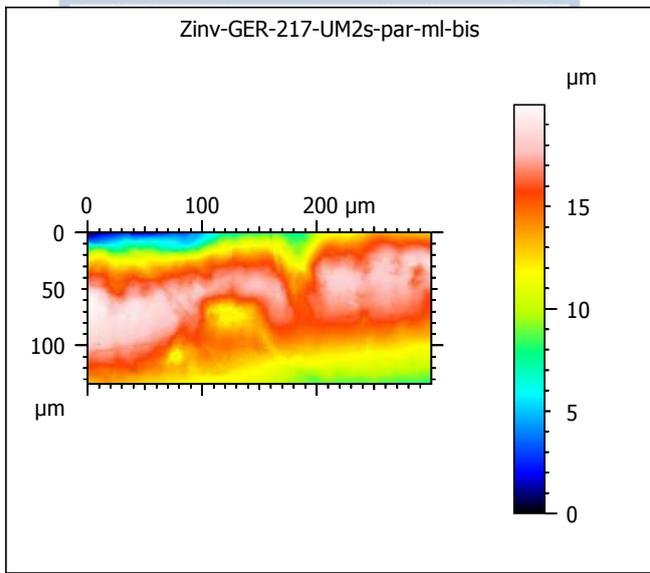


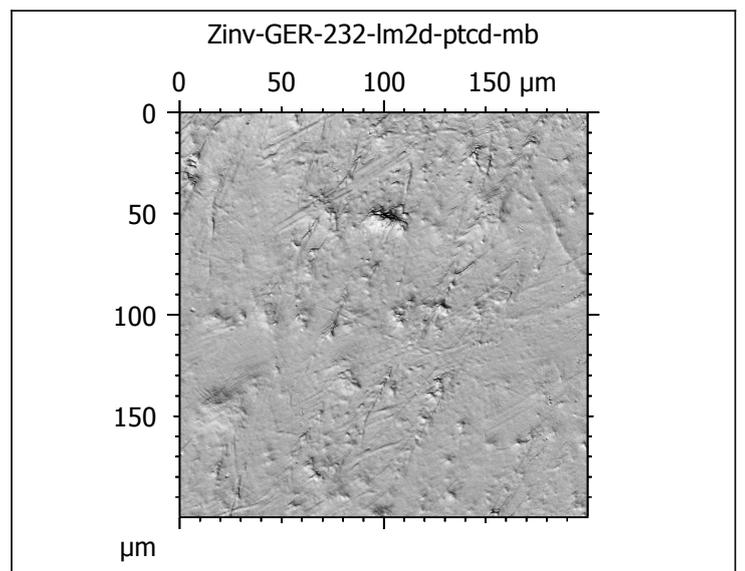
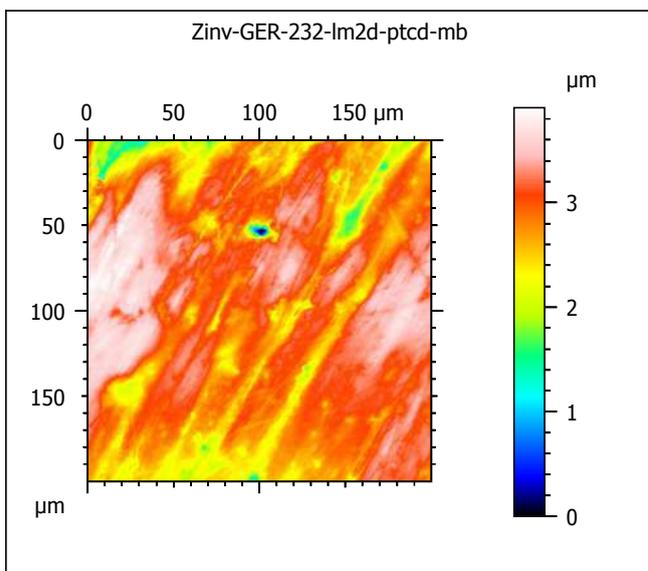
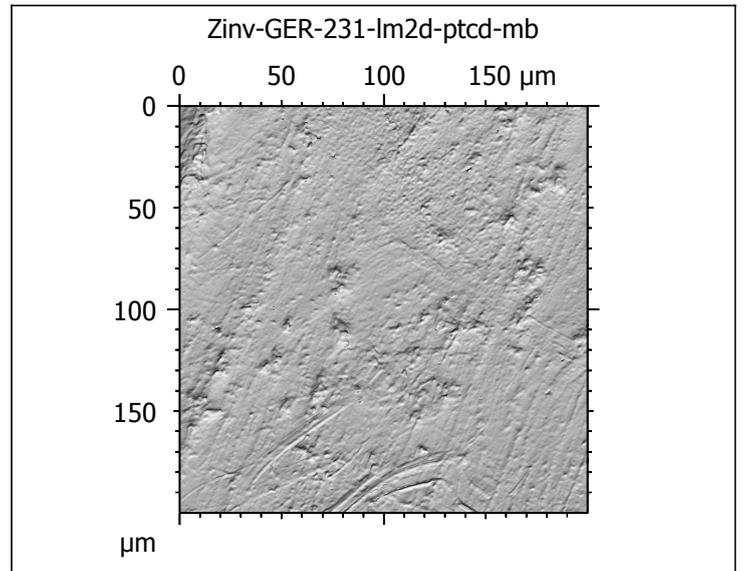
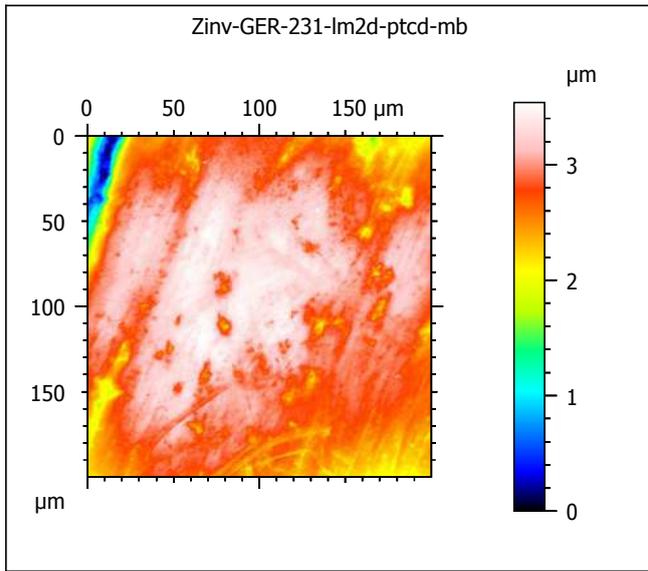
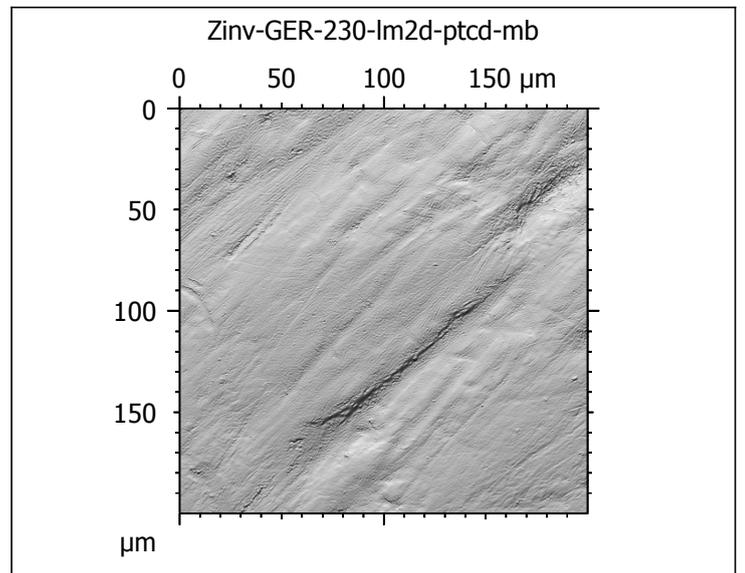
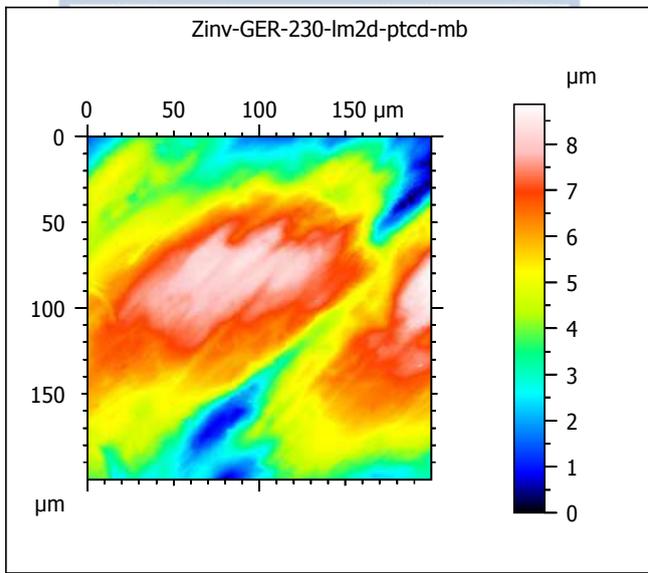


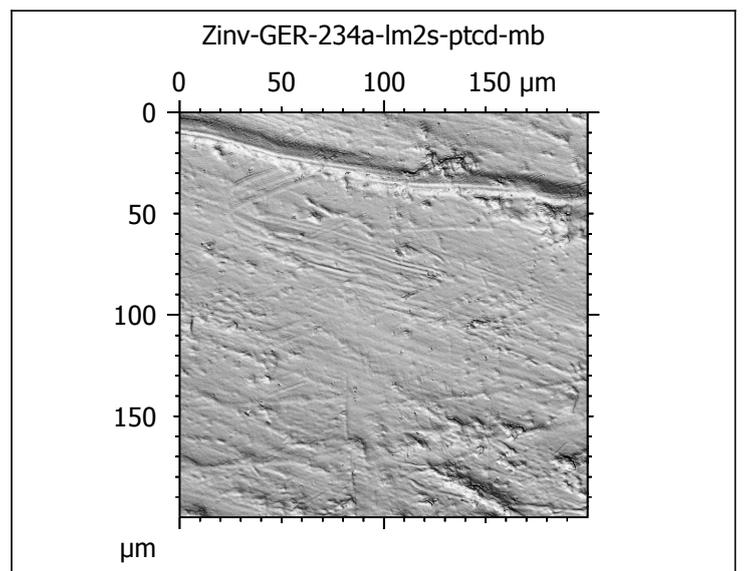
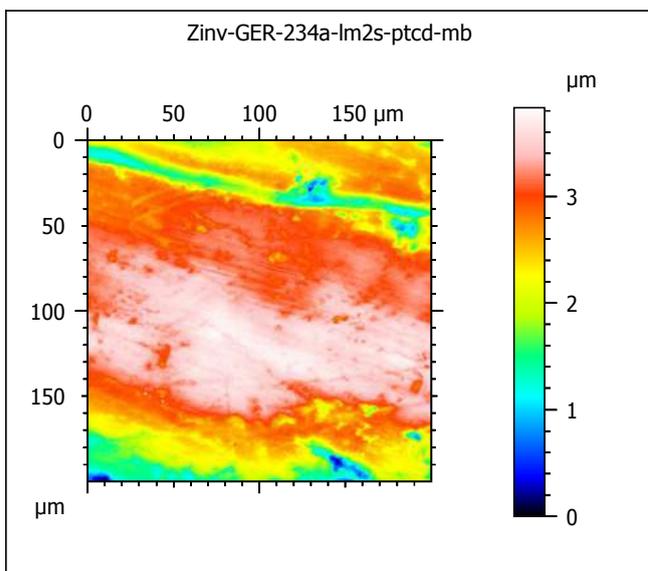
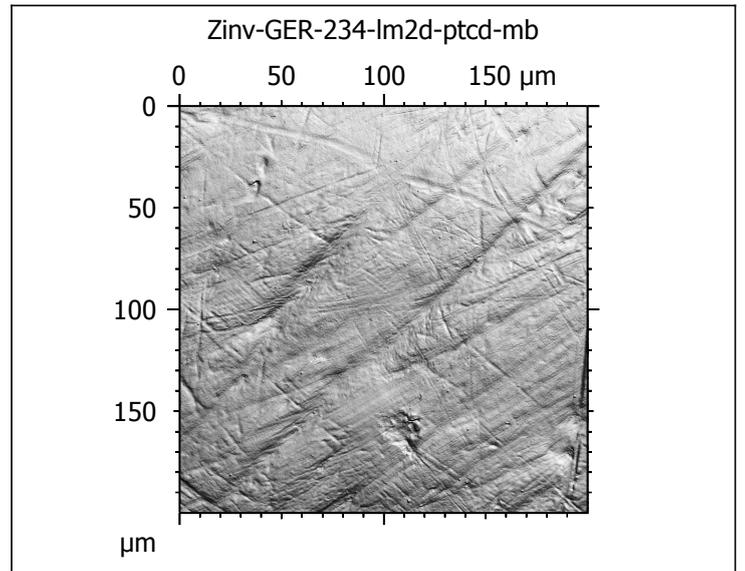
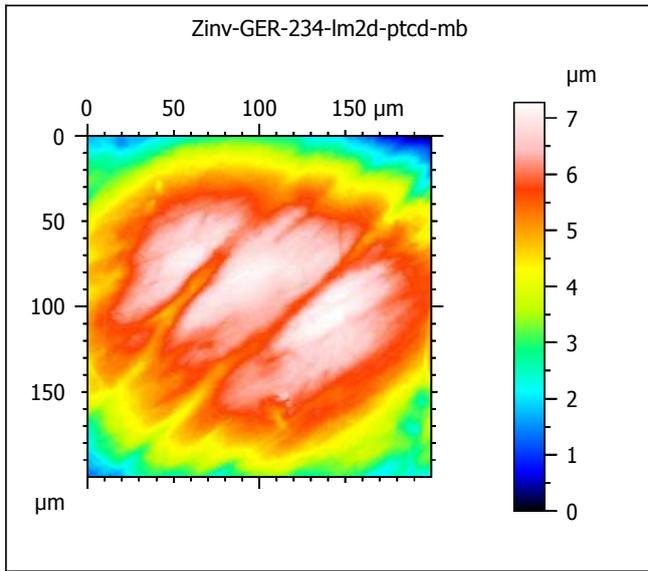
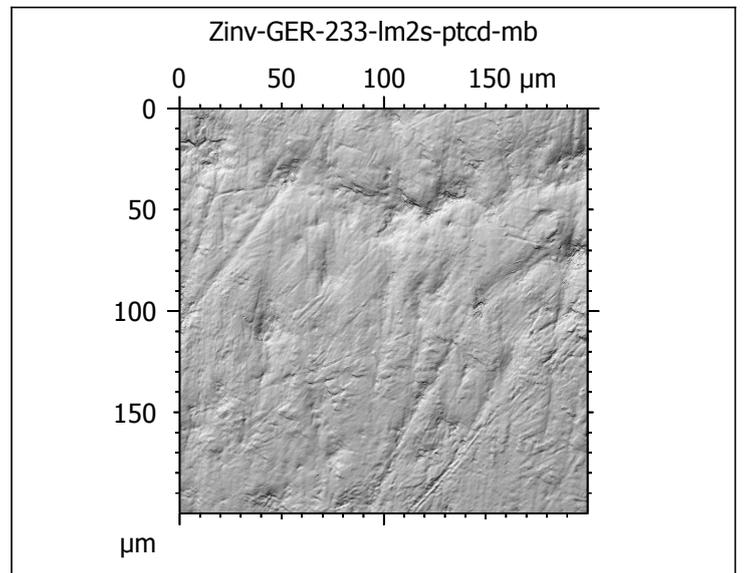
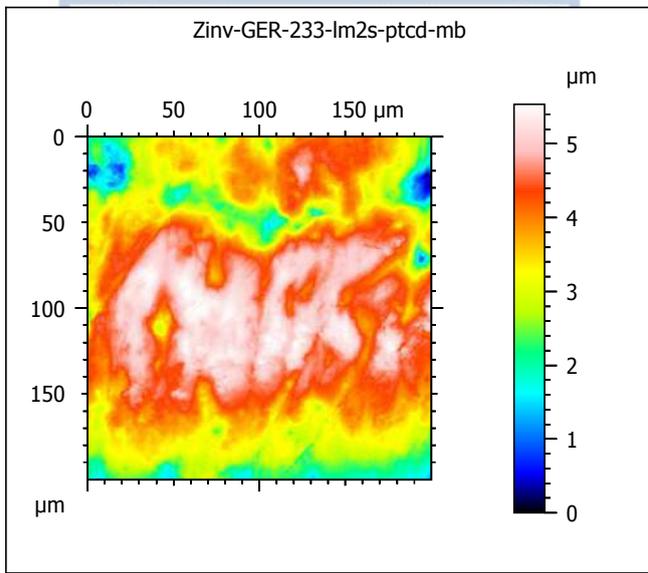


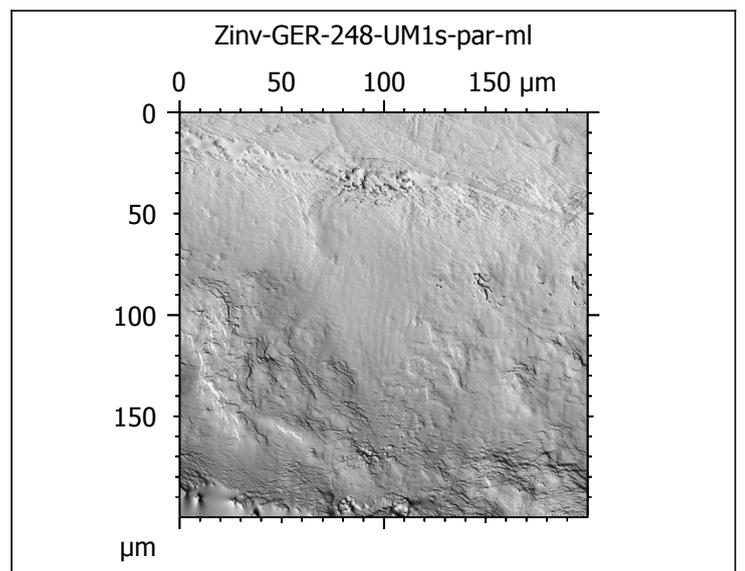
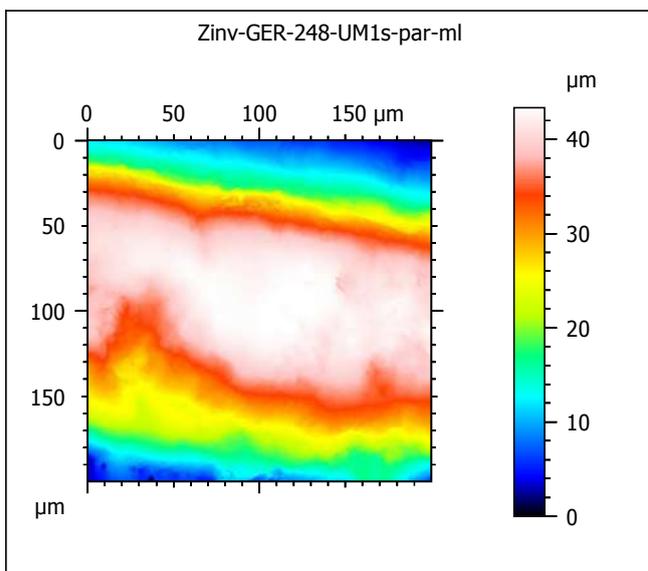
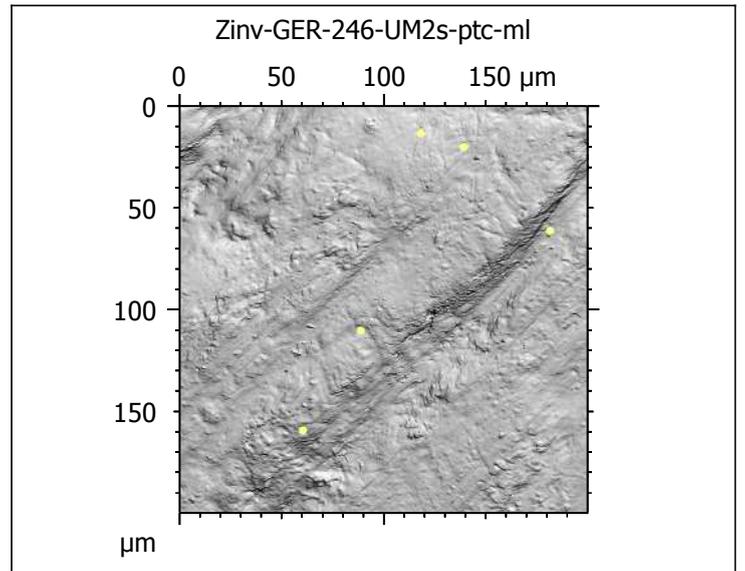
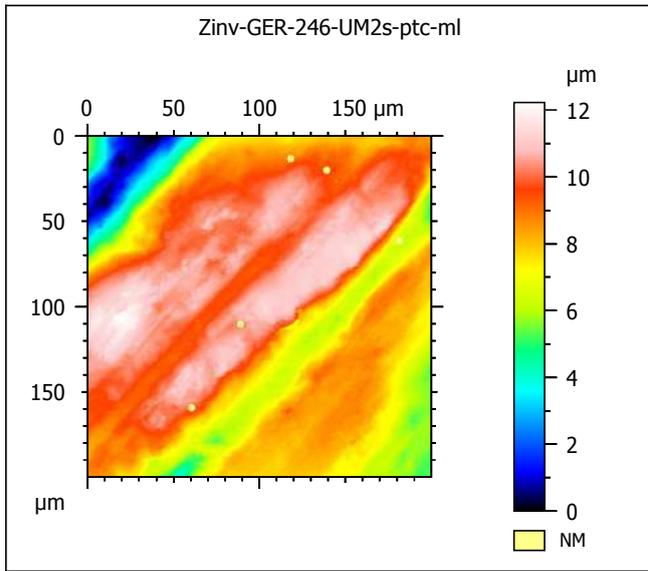
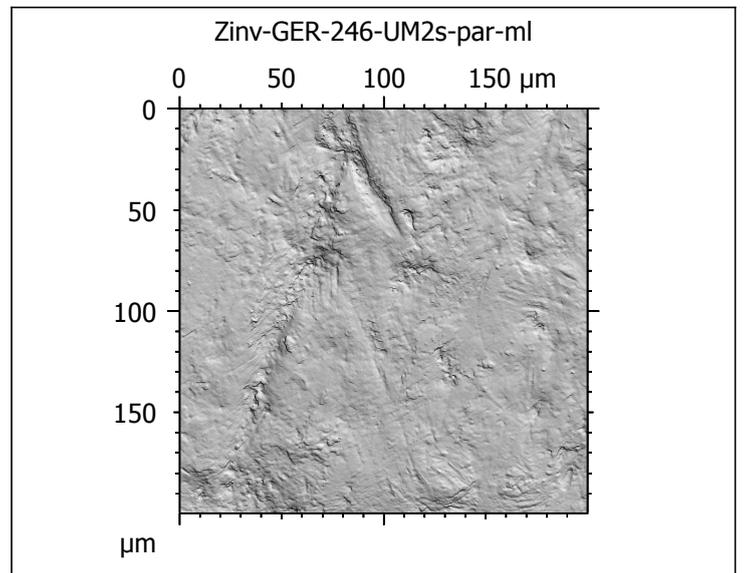
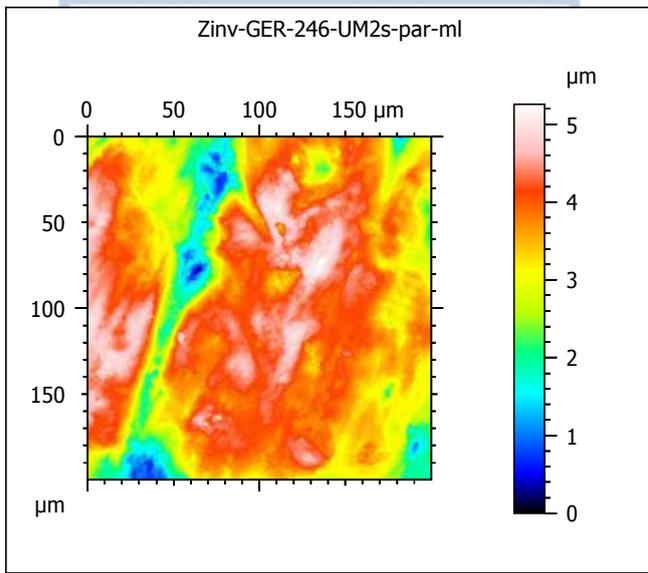


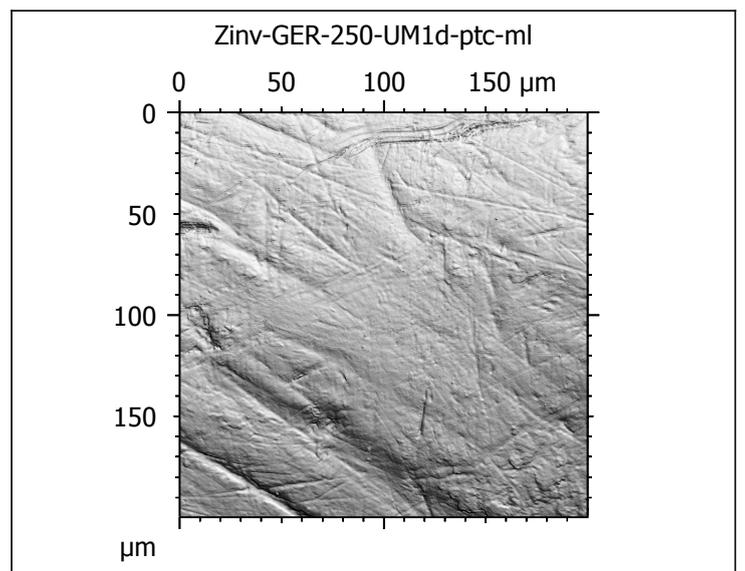
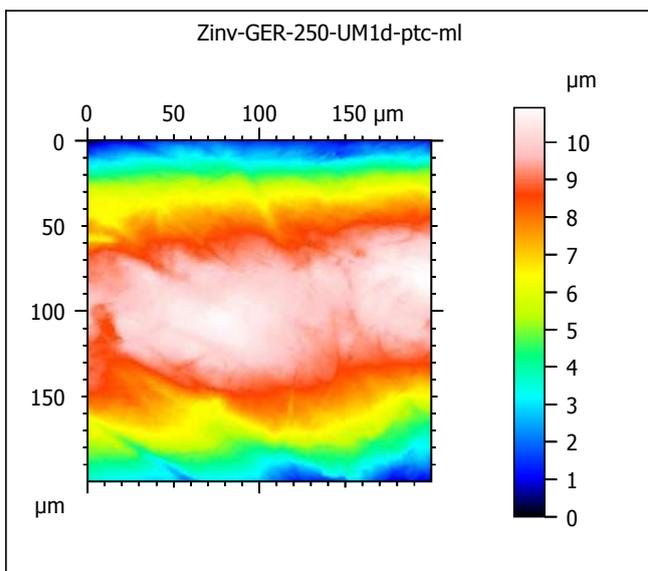
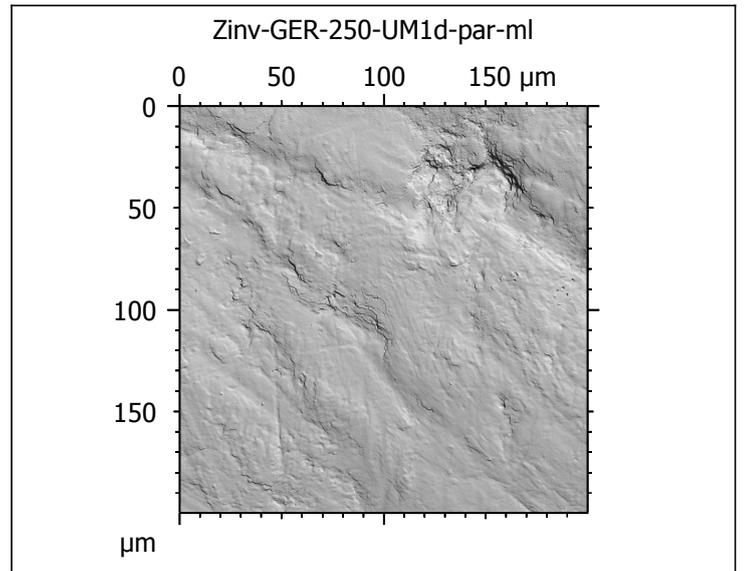
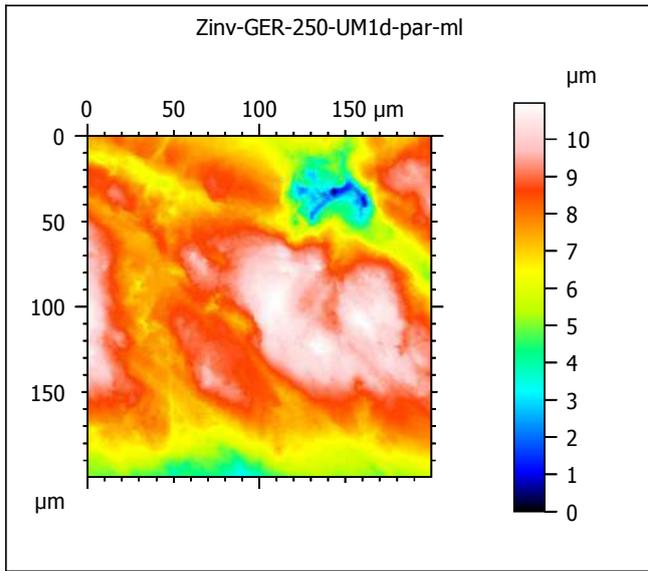
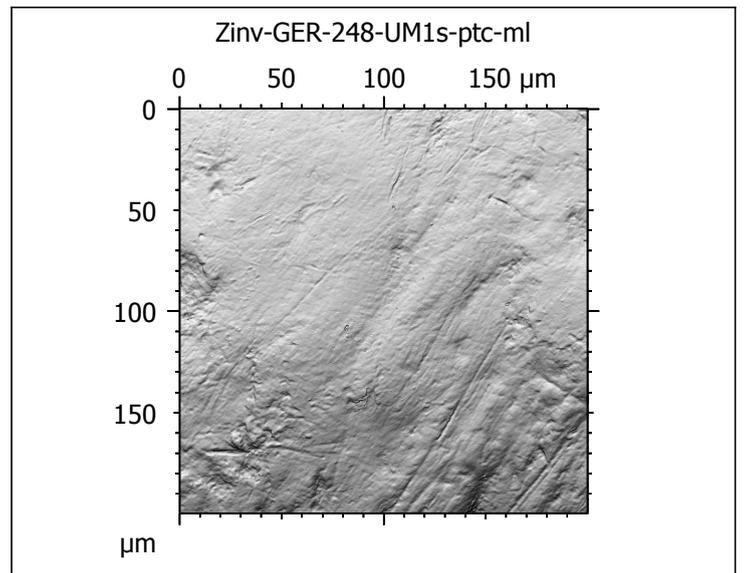
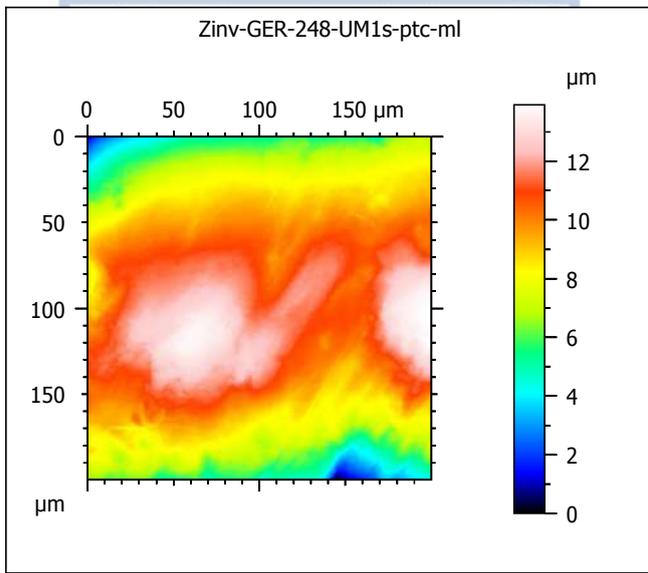


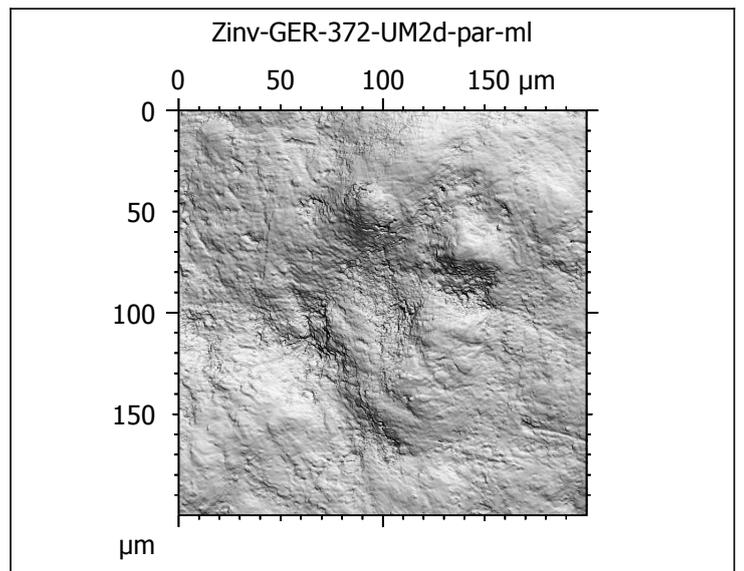
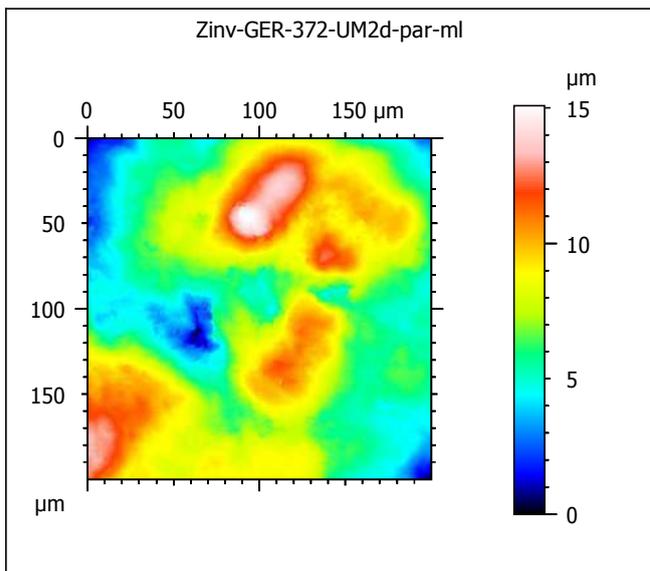
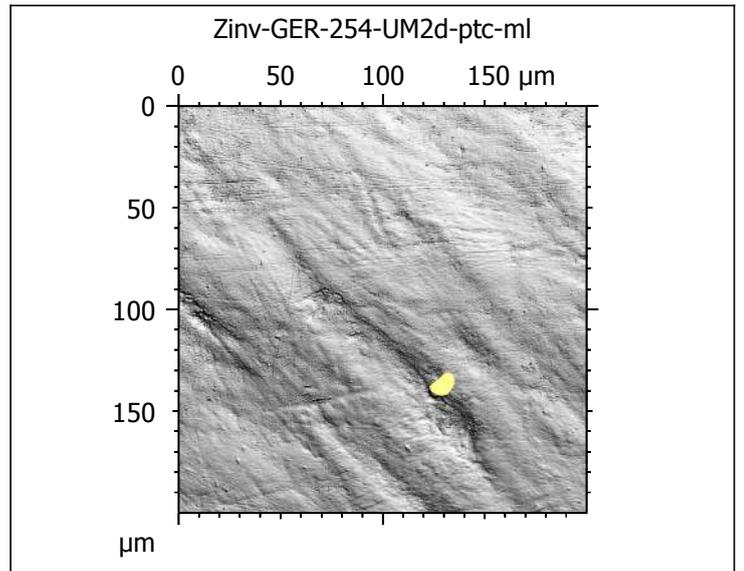
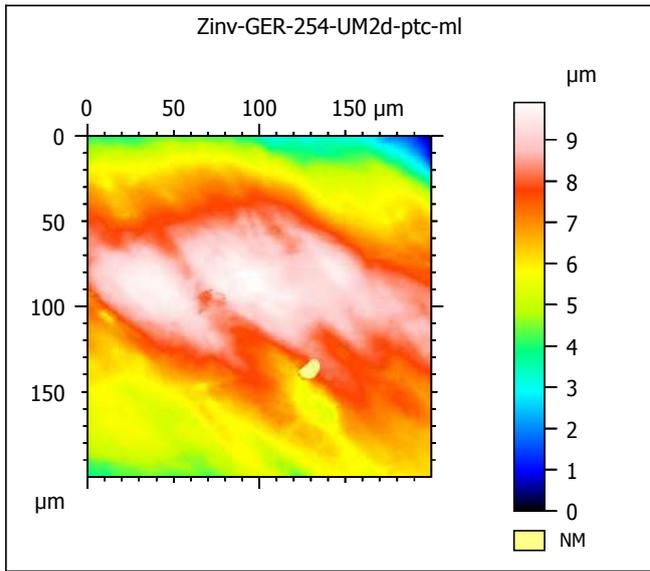
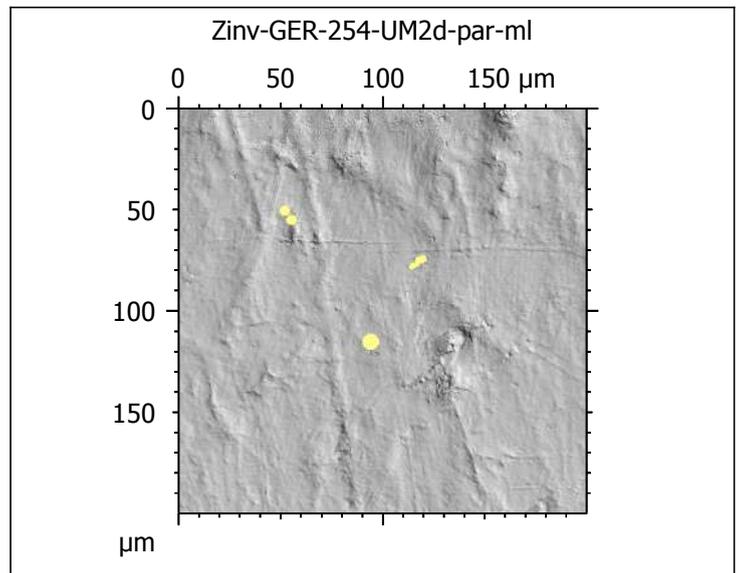
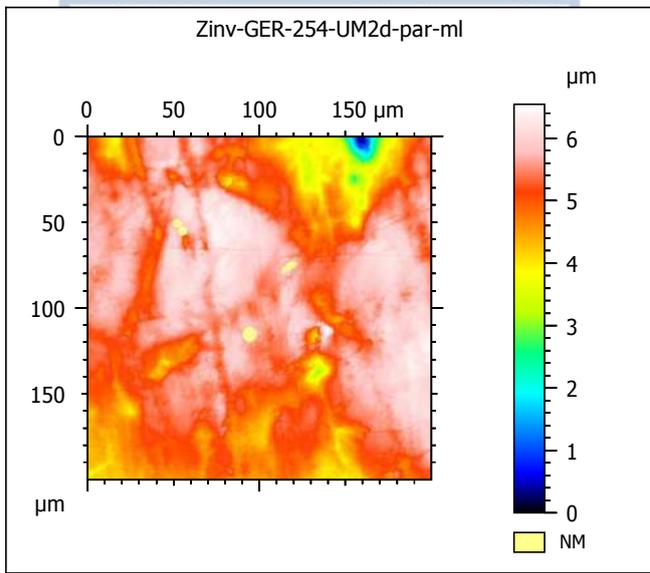


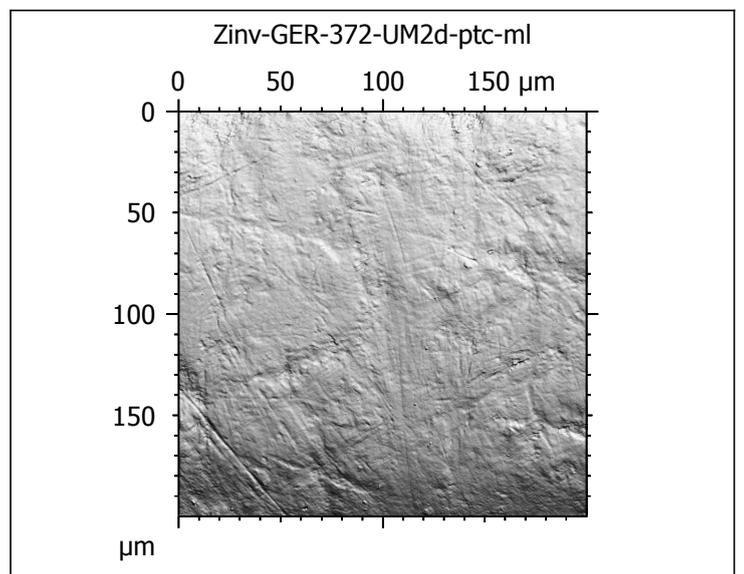
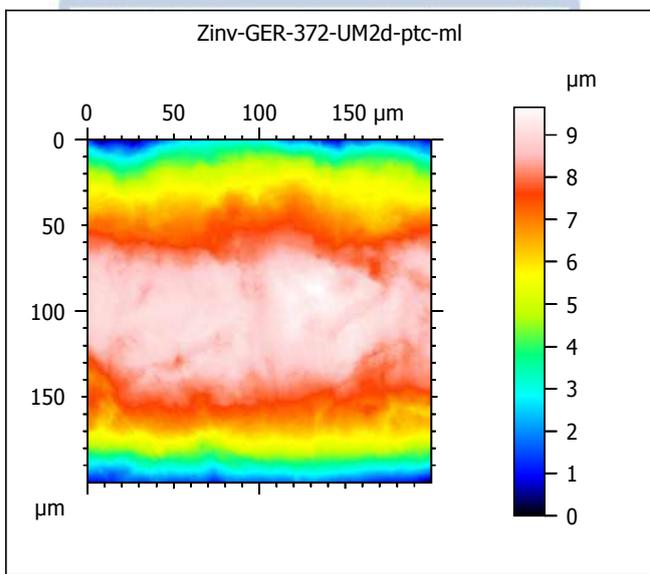




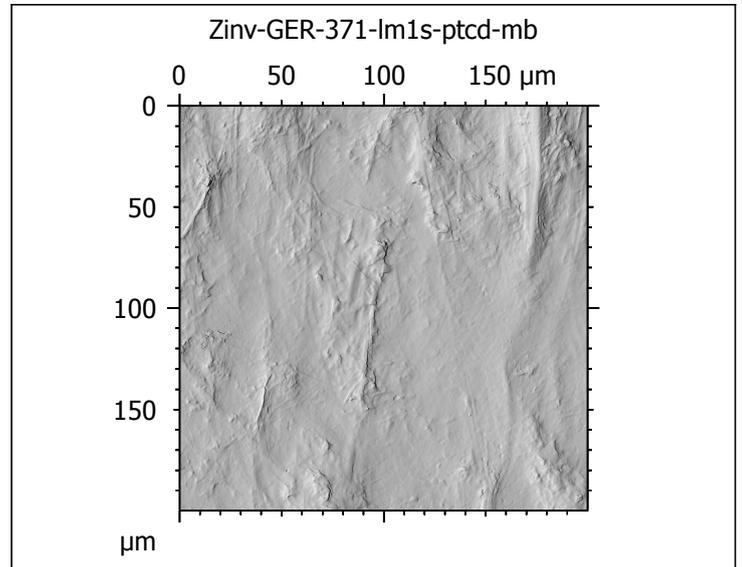
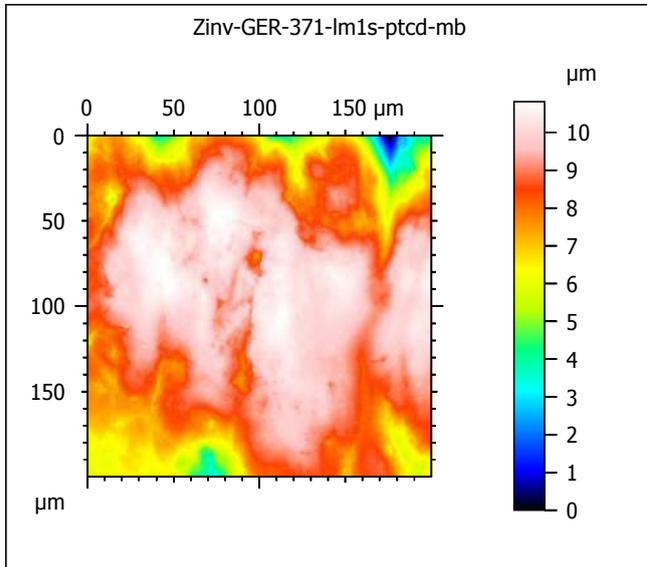




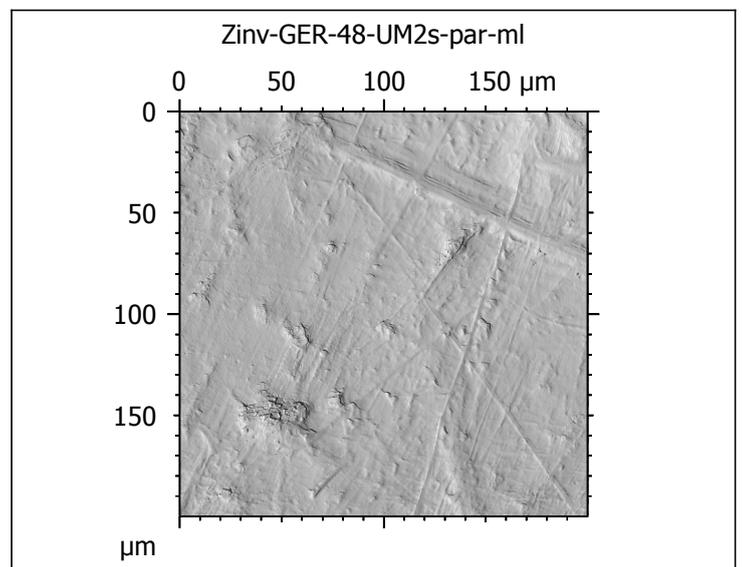
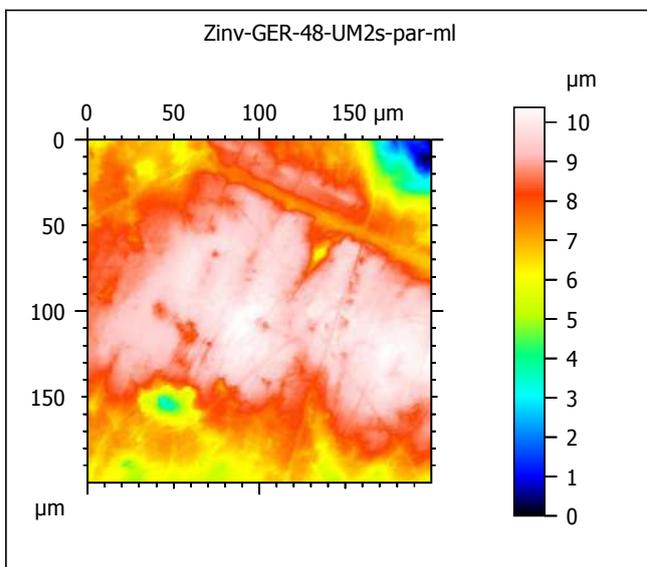
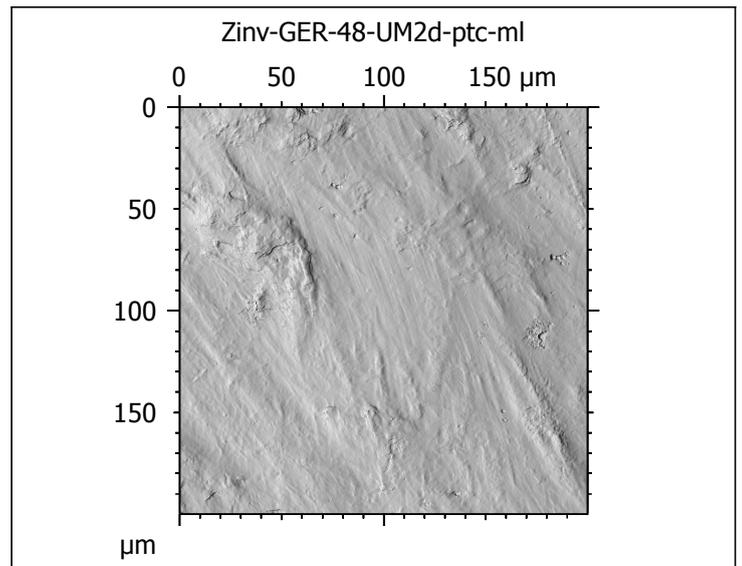
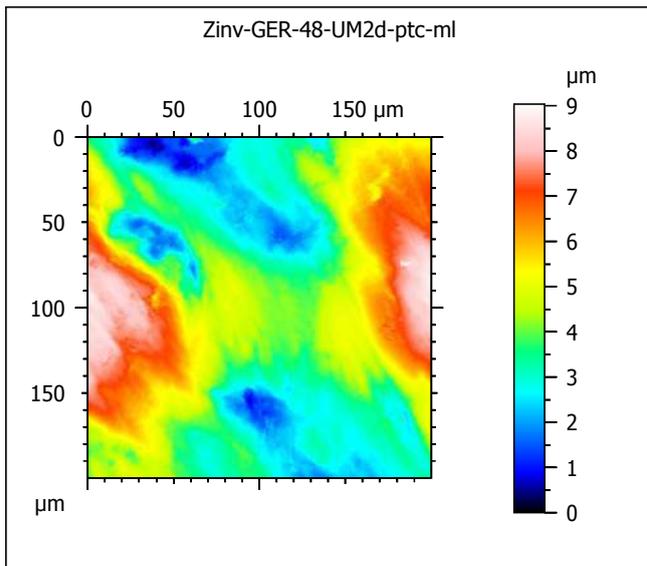
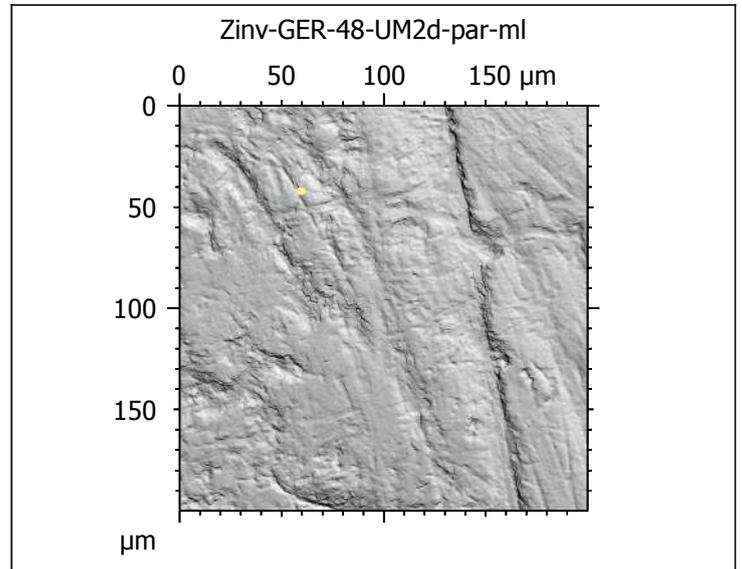
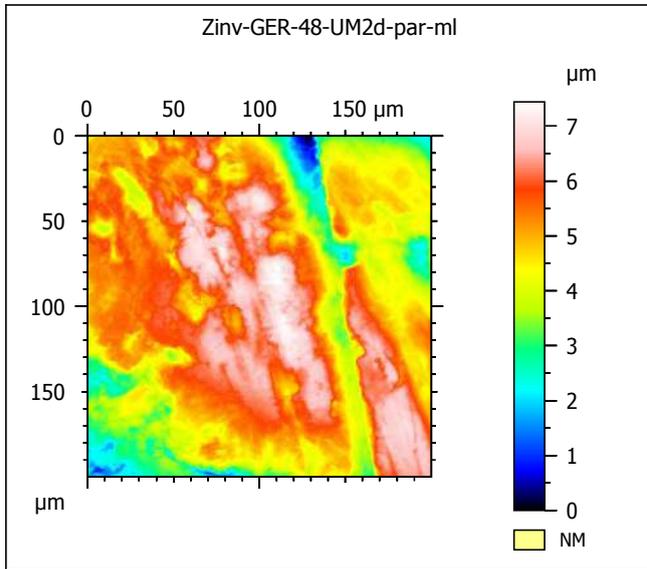


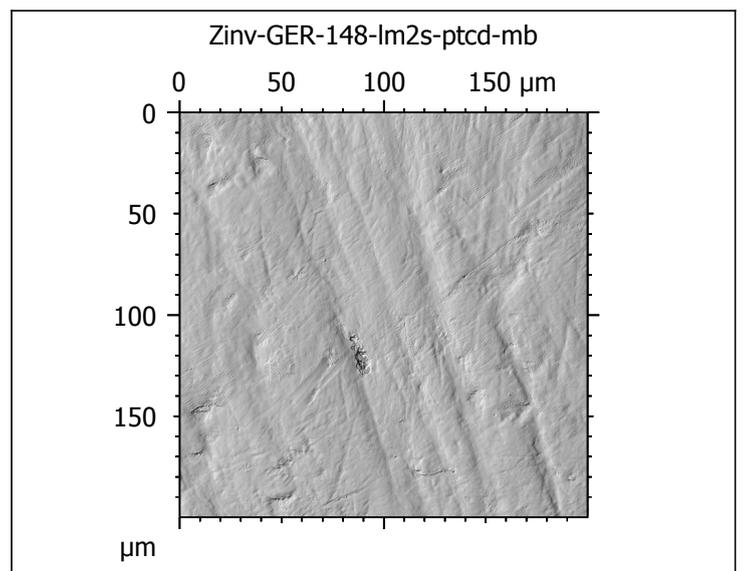
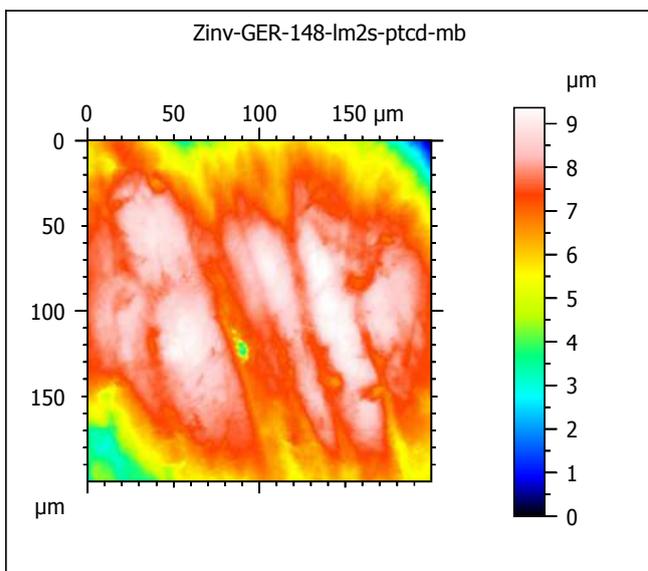
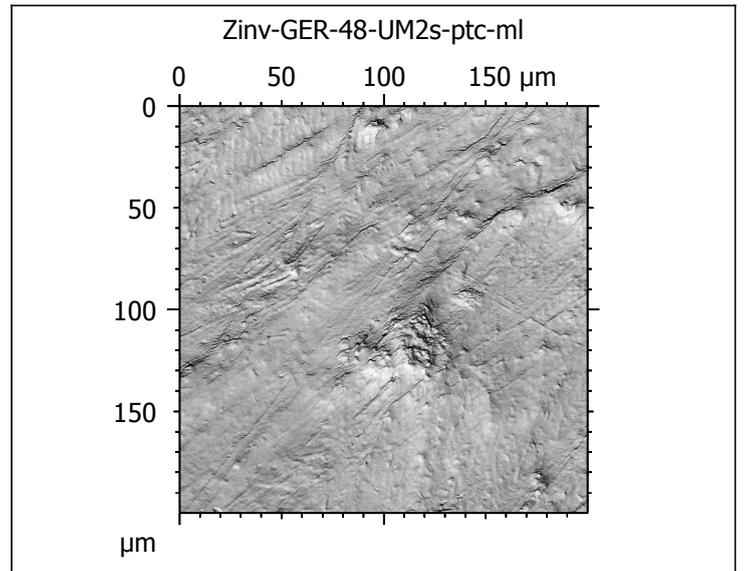
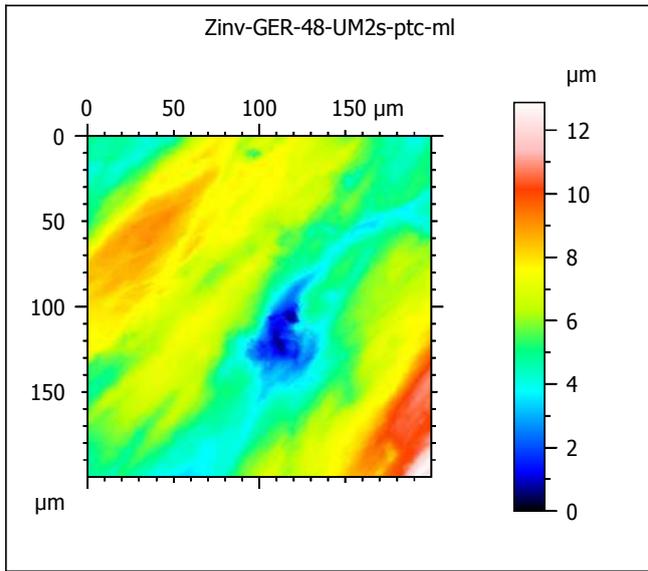
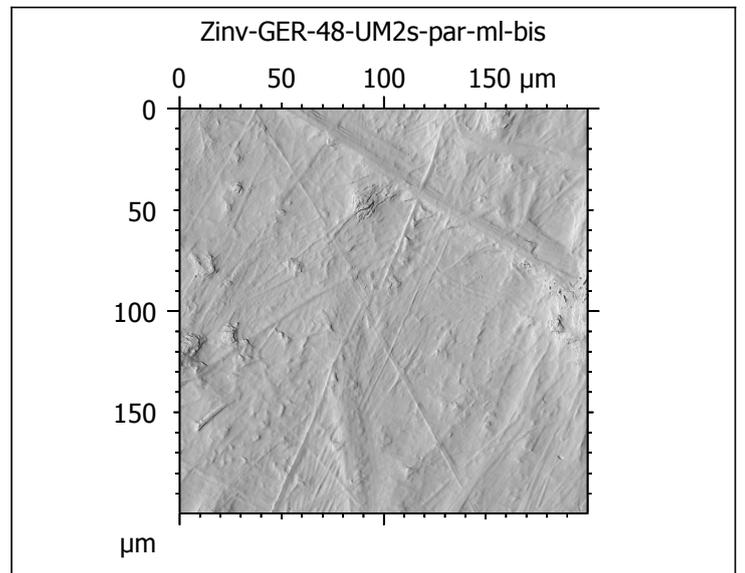
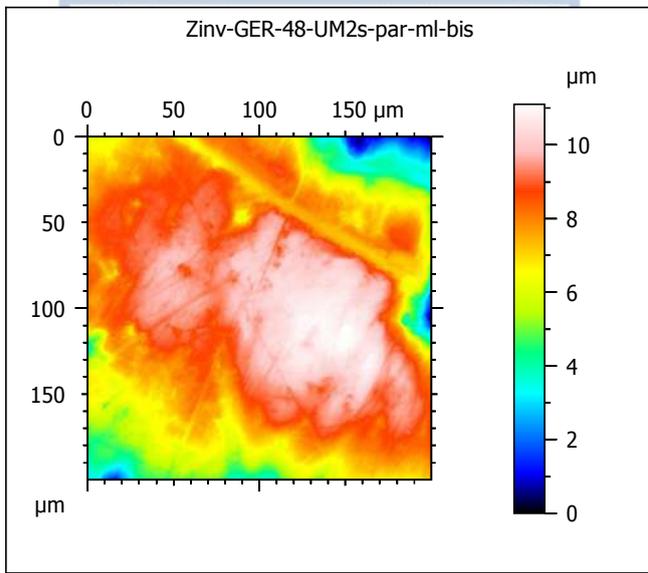


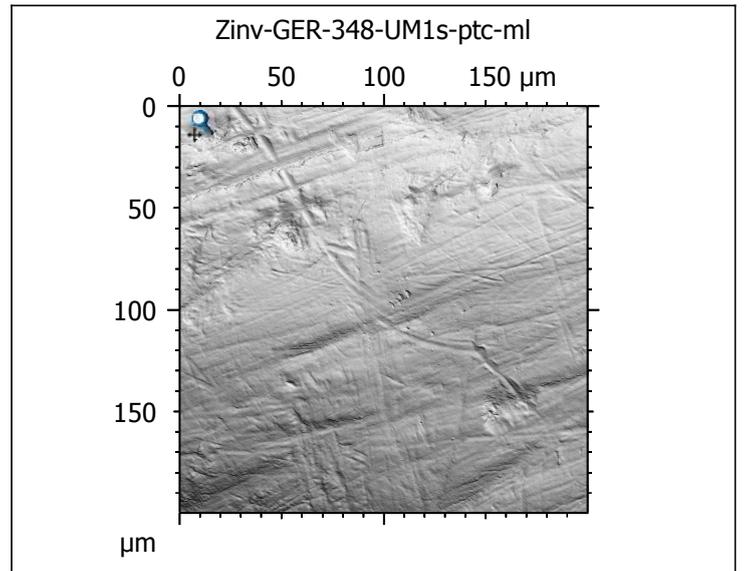
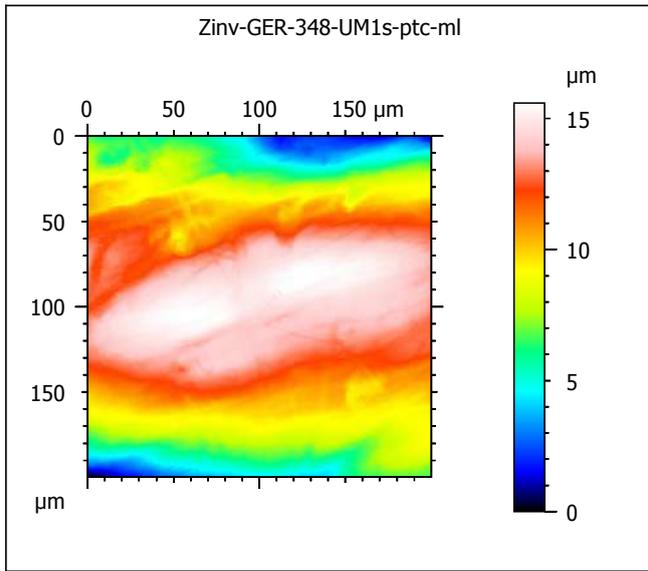
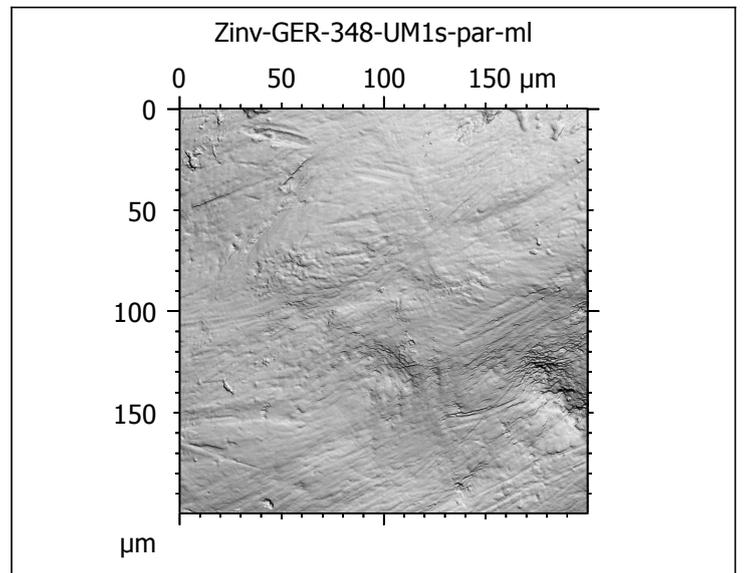
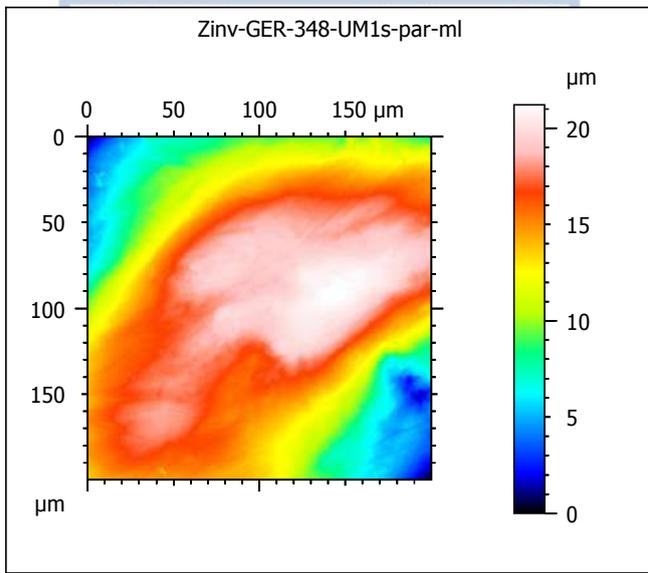
Specimens of *Bovind ind.* from Gerakarou, lower Pleistocene of Greece scanned in October 2020 by Evangelia Alifieri on "TRIDENT", Leica DCM8, Palevoprim Lab, CNRS and University of Poitiers scans validated by Gildas Merceron



Specimens of *Antilope* from Gerakarou, lower Pleistocene of Greece scanned in October 2020 by Evangelia Alifieri on "TRIDENT", Leica DCM8, Paleovoprim Lab, CNRS and University of Poitiers scans validated by Gildas Merceron







## SI Appendix:

## A. Specimens' list



Type	Locality	Family	Code	Taxa	Specimen	Dirrection	Orientation	Toothrow	Mircowear	Mesowear
Extant	Camargues - Rhone delta	Bovidae	BT	<i>Bos taurus</i>	EB-00001	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-00025	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-00053	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-00057	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-00071	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-00282	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-01013	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-01060	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-01065	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-01070	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-01074	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-02014	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-02063	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-02068	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-02075	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-76211	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-77236	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-91203	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-91207	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-91209	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-93206	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-93207	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-93259	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-94272	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-94282	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-95278	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-96107	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-96273	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-96274	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-96278	lower	-	-	lm2	-
BT	<i>Bos taurus</i>	EB-96282	lower	-	-	lm2	-			
BT	<i>Bos taurus</i>	EB-96287	lower	-	-	lm2	-			
BT	<i>Bos taurus</i>	EB-97056	lower	-	-	lm2	-			
BT	<i>Bos taurus</i>	EB-97061	lower	-	-	lm2	-			
BT	<i>Bos taurus</i>	EB-97063	lower	-	-	lm2	-			

Type	Locality	Family	Code	Taxa	Specimen	Dirrection	Orientation	Toothrow	Mircowear	Mesowear
Camargues - Rhone delta		Bovidae	BT	<i>Bos taurus</i>	EB-98028	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-98065	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-98066	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-98069	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-99011	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-99013	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-99055	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-99092	lower	-	-	lm2	-
			BT	<i>Bos taurus</i>	EB-99264	lower	-	-	lm2	-
Extant	Bialowieza-Poland (summer-spring)	Bovidae	BB	<i>Bison bonasus</i>	MRI-PAS-144-005	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-152-751-b	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-166-933-b	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-167-140-b	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-167-763-b	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-168-712-b	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-168-722-b	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-168-760-b	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-168-841-b	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-169-202	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-169-412	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-169-501	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-169-534	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-169-536	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-169-588	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-169-613	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-169-683-b	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-169-792	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-169-801-b	lower	-	-	lm2	-
			BB	<i>Bison bonasus</i>	MRI-PAS-169-802	lower	-	-	lm2	-
BB	<i>Bison bonasus</i>	MRI-PAS-169-815-b	lower	-	-	lm2	-			
BB	<i>Bison bonasus</i>	MRI-PAS-169-830	lower	-	-	lm2	-			
BB	<i>Bison bonasus</i>	MRI-PAS-169-863-b	lower	-	-	lm2	-			
BB	<i>Bison bonasus</i>	MRI-PAS-169-866	lower	-	-	lm2	-			

Type	Locality	Family	Code	Taxa	Specimen	Dirrection	Orientation	Toothrow	Mircowear	Mesowear
Extant	Bierbza-Poland	Cervidae	AA	<i>Alces alces</i>	Α.Π.Θ	AA_120992	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA_138865	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA_w2011	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-04-2010	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-08-2010	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-120989	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-120990	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-120991	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-120992	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-120994	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-12937	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-138864	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-138865	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-140164	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-15-2010	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-16-2010-1	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-16-2010-2	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-17-2010	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-18-2010	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-22-2010	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-24-2010	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-30-2010	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-32-2010	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-33-2010	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-36-2010	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-37-2010-2	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-37-201-10	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-3769	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-39370-699	lower	- -	lm2	-
			AA	<i>Alces alces</i>		AA-39405-701	lower	- -	lm2	-
AA	<i>Alces alces</i>		AA-39432-702	lower	- -	lm2	-			
AA	<i>Alces alces</i>		AA-41-2010	lower	- -	lm2	-			

Type	Locality	Family	Code	Taxa	Specimen	Dirrection	Orientation	Toothrow	Mircowear	Mesowear
Extant	Bierbza-Poland	Cervidae	AA	<i>Alces alces</i>	Α.Π.Θ	AA-42-2010	lower	- -	Im2	-
			AA	<i>Alces alces</i>		AA-43-2010	lower	- -	Im2	-
			AA	<i>Alces alces</i>		AA-45-2010	lower	- -	Im2	-
			AA	<i>Alces alces</i>		AA-48-2010	lower	- -	Im2	-
			AA	<i>Alces alces</i>		AA-nn10	lower	- -	Im2	-
			AA	<i>Alces alces</i>		AA-nn13	lower	- -	Im2	-
			AA	<i>Alces alces</i>		AA-nn14	lower	- -	Im2	-
			AA	<i>Alces alces</i>		AA-nn16-1	lower	- -	Im2	-
			AA	<i>Alces alces</i>		AA-nn2	lower	- -	Im2	-
			AA	<i>Alces alces</i>		AA-nn3	lower	- -	Im2	-
			AA	<i>Alces alces</i>		AA-nn4-2	lower	- -	Im2	-
			AA	<i>Alces alces</i>		AA-nn5	lower	- -	Im2	-
			AA	<i>Alces alces</i>		AA-nn6	lower	- -	Im2	-
			AA	<i>Alces alces</i>		AA-nn7	lower	- -	Im2	-
			AA	<i>Alces alces</i>		AA-nn8	lower	- -	Im2	-
	AA	<i>Alces alces</i>		AA-w2011	lower	- -	Im2	-		
	Bauges - Alps	Cervidae	CC	<i>Capreolus capreolus</i>		15-Cc-2653	lower	- -	-	Im2
			CC	<i>Capreolus capreolus</i>		15-Cc-2184	lower	- -	Im2	Im2
			CC	<i>Capreolus capreolus</i>		15-Cc-2613	lower	- -	Im2	Im2
			CC	<i>Capreolus capreolus</i>		15-Cc-8634	lower	- -	-	Im1
CC			<i>Capreolus capreolus</i>		15-Cc-0739	lower	- -	-	Im1	
CC			<i>Capreolus capreolus</i>		15-Cc-0642	lower	- -	Im2	Im2	
CC			<i>Capreolus capreolus</i>		15-Cc-0018	lower	- -	-	Im3	
CC			<i>Capreolus capreolus</i>		15-Cc-0424	lower	- -	-	Im2	
CC			<i>Capreolus capreolus</i>		15-Cc-0258	lower	- -	Im2	Im2	
CC			<i>Capreolus capreolus</i>		15-Cc-0742	lower	- -	Im2	Im2	
CC			<i>Capreolus capreolus</i>		15-Cc-0259	lower	- -	Im2	Im2	
CC			<i>Capreolus capreolus</i>		15-Cc-8624	lower	- -	Im2	Im2	
CC			<i>Capreolus capreolus</i>		15-Cc-0006	lower	- -	-	Im2	
CC			<i>Capreolus capreolus</i>		15-Cc-2183	lower	- -	Im2	Im2	
CC			<i>Capreolus capreolus</i>		15-Cc-7122	lower	- -	Im2	-	
CC	<i>Capreolus capreolus</i>		15-Cc-0005	lower	- -	-	Im2			

Type	Locality	Family	Code	Taxa	Specimen	Dirrection	Orientation	Toothrow	Mircowear	Mesowear
Extant	Bauges - Alps	Cervidae	CC	<i>Capreolus capreolus</i>	Α.Π.Θ	15-Cc-8640	lower	- -	lm2	lm2
			CC	<i>Capreolus capreolus</i>		14-Cc-2538	lower	- -	lm2	-
			CC	<i>Capreolus capreolus</i>		15-Cc-7124	lower	- -	lm2	lm2
			CC	<i>Capreolus capreolus</i>		15-Cc-0262	lower	- -	lm2	lm2
			CC	<i>Capreolus capreolus</i>		15-Cc-2611	lower	- -	lm2	lm2
			CC	<i>Capreolus capreolus</i>		15-Cc-0001 /15CHMEC0001	lower	- -	lm2	lm2
			CC	<i>Capreolus capreolus</i>		08-Cc-0009	lower	- -	-	lm2
			CC	<i>Capreolus capreolus</i>		15-Cc-2637	lower	- -	lm2	lm2
			CC	<i>Capreolus capreolus</i>		15-Cc-0741	lower	- -	lm2	-
			CC	<i>Capreolus capreolus</i>		15-Cc-0017	lower	- -	lm2	lm2
			CC	<i>Capreolus capreolus</i>		15-Cc-0003	lower	- -	-	lm2
			CC	<i>Capreolus capreolus</i>		15-Cc-0004	lower	- -	-	lm2
			CC	<i>Capreolus capreolus</i>		15-Cc-0007	lower	- -	-	lm2
			CC	<i>Capreolus capreolus</i>		15-Cc-8639	lower	- -	-	lm2
			CE	<i>Cervus elaphus</i>		15-CE-4823		lower	- -	-
	CE	<i>Cervus elaphus</i>		15-CE-0104		lower	- -	lm2	lm2	
	CE	<i>Cervus elaphus</i>		15-CE-5837		lower	- -	lm2	lm2	
	CE	<i>Cervus elaphus</i>		15-CE-2616		lower	- -	lm2	lm2	
	CE	<i>Cervus elaphus</i>		15-CE-4526		lower	- -	lm2	lm2	
	CE	<i>Cervus elaphus</i>		15-CE-4951		lower	- -	lm2	lm2	
	CE	<i>Cervus elaphus</i>		15-CE-7104		lower	- -	lm2	lm2	
	CE	<i>Cervus elaphus</i>		15-CE-4929		lower	- -	-	lm2	
	CE	<i>Cervus elaphus</i>		15-CE-4821		lower	- -	lm2	lm2	
	CE	<i>Cervus elaphus</i>		15-CE-5795		lower	- -	-	lm1	
	CE	<i>Cervus elaphus</i>		15-CE-2655		lower	- -	lm2	lm2	
	CE	<i>Cervus elaphus</i>		15-CE-3523		lower	- -	-	lm2	
	CE	<i>Cervus elaphus</i>		15-CE-5028		lower	- -	-	lm1	
	CE	<i>Cervus elaphus</i>		15-CE-5616		lower	- -	lm2	lm2	
	CE	<i>Cervus elaphus</i>		15-CE-2620		lower	- -	lm2	-	
	CE	<i>Cervus elaphus</i>		15-CE-0106		lower	- -	lm2	lm2	
	CE	<i>Cervus elaphus</i>		15-CE-4825		lower	- -	lm2	lm1	
	CE	<i>Cervus elaphus</i>		15-CE-4988		lower	- -	-	lm2	

Type	Locality	Family	Code	Taxa	Specimen	Dirrection	Orientation	Toothrow	Mircowear	Mesowear
Extant	Bauges - Alps	Cervidae	CE	<i>Cervus elaphus</i>	Α.Π.Θ	15-CE-5002	lower	- -	lm2	lm2
			CE	<i>Cervus elaphus</i>		15-CE-4683	lower	- -	-	lm1
			CE	<i>Cervus elaphus</i>		15-CE-4987	lower	- -	-	lm2
			CE	<i>Cervus elaphus</i>		15-CE-2193	lower	- -	-	lm2
			CE	<i>Cervus elaphus</i>		15-CE-5672	lower	- -	-	lm2
			CE	<i>Cervus elaphus</i>		15-CE-4822	lower	- -	-	lm2
			CE	<i>Cervus elaphus</i>		15-CE-5792	lower	- -	-	lm1
			CE	<i>Cervus elaphus</i>		15-CE-5671	lower	- -	-	lm1
			CE	<i>Cervus elaphus</i>		15-CE-4687	lower	- -	lm2	lm2
			CE	<i>Cervus elaphus</i>		15-CE-4690	lower	- -	-	lm2
			CE	<i>Cervus elaphus</i>		15-CE-4999	lower	- -	-	lm2
			CE	<i>Cervus elaphus</i>		15-CE-4982	lower	- -	-	lm2
			CE	<i>Cervus elaphus</i>		15-CE-4691	lower	- -	lm2	lm2
			CE	<i>Cervus elaphus</i>		15-CE-4820	lower	- -	lm2	lm2
			CE	<i>Cervus elaphus</i>		15-CE-4819	lower	- -	lm2	lm2
			CE	<i>Cervus elaphus</i>		15-CE-7097	lower	- -	-	lm2
			CE	<i>Cervus elaphus</i>		15-CE-5038	lower	- -	-	lm2
			CE	<i>Cervus elaphus</i>		15-CE-0141	lower	- -	lm2	lm2
			CE	<i>Cervus elaphus</i>		15-CE-4525	lower	- -	lm2	lm2
			CE	<i>Cervus elaphus</i>		15-CE-3732	lower	- -	lm2	lm2
CE	<i>Cervus elaphus</i>		15-CE-2654	lower	- -	-	lm1			
CE	<i>Cervus elaphus</i>		15-CE-5937	lower	- -	-	lm2			
CE	<i>Cervus elaphus</i>		15-CE-4949	lower	- -	-	lm1			
CE	<i>Cervus elaphus</i>		15-CE-4929	lower	- -	lm2	-			
		Bovidae	OA	<i>Ovis ammon</i>		08-MO-MEC-0018	lower	- -	lm2	lm2
			OA	<i>Ovis ammon</i>		15-MO-8849	lower	- -	lm2	lm2
			OA	<i>Ovis ammon</i>		08-MO-MEC-0017	lower	- -	lm2	lm2
			OA	<i>Ovis ammon</i>		08-MO-MEC-0011	lower	- -	-	lm1
			OA	<i>Ovis ammon</i>		08-MO-MEC-0020	lower	- -	lm2	-
			OA	<i>Ovis ammon</i>		08-MO-MEC-0025	lower	- -	lm2	lm2
			OA	<i>Ovis ammon</i>		15-MO-8857	lower	- -	lm2	lm2
			OA	<i>Ovis ammon</i>		15-MO-8841	lower	- -	lm2	lm1

Type	Locality	Family	Code	Taxa	Specimen	Dirrection	Orientation	Toothrow	Mircowear	Mesowear
Extant	Bauges - Alps	Bovidae	OA	<i>Ovis ammon</i>	Α.Π.Θ	08-MO-MEC-0019	lower	- -	-	Im2
			OA	<i>Ovis ammon</i>		15-MO-8847	lower	- -	Im2	Im2
			OA	<i>Ovis ammon</i>		15-MO-8851	lower	- -	Im2	Im2
			OA	<i>Ovis ammon</i>		15-MO-8843	lower	- -	Im2	Im2
			OA	<i>Ovis ammon</i>		15-MO-8837	lower	- -	Im2	Im2
			OA	<i>Ovis ammon</i>		08-MO-MEC-0002	lower	- -	-	Im2
			OA	<i>Ovis ammon</i>		08-MO-MEC-0007	lower	- -	Im2	Im1
			OA	<i>Ovis ammon</i>		08-MO-MEC-0008	lower	- -	Im2	Im2
			OA	<i>Ovis ammon</i>		08-MO-MEC-0009	lower	- -	-	Im2
			OA	<i>Ovis ammon</i>		08-MO-MEC-0027	lower	- -	-	Im1
			OA	<i>Ovis ammon</i>		08-MO-MEC-0010	lower	- -	Im2	Im2
			OA	<i>Ovis ammon</i>		08-MO-MEC-0024	lower	- -	Im2	Im2
			OA	<i>Ovis ammon</i>		08-MO-MEC-0015	lower	- -	Im2	Im2
			OA	<i>Ovis ammon</i>		15-MO-8833	lower	- -	Im2	Im1
			OA	<i>Ovis ammon</i>		15-MO-8845	lower	- -	Im2	Im2
			OA	<i>Ovis ammon</i>		15-MO-8832	lower	- -	Im2	Im1
			OA	<i>Ovis ammon</i>		08-MO-MEC-0001	lower	- -	-	Im1
			OA	<i>Ovis ammon</i>		08-MO-MEC-0003	lower	- -	-	Im1
			OA	<i>Ovis ammon</i>		08-MO-MEC-0021	lower	- -	Im2	Im2
			OA	<i>Ovis ammon</i>		08-MO-MEC-0022	lower	- -	Im2	Im2
OA	<i>Ovis ammon</i>		08-MO-MEC-0013	lower	- -	Im2	Im2			
OA	<i>Ovis ammon</i>		08-MO-MEC-0014	lower	- -	-	Im1			
RR	<i>Rupicapra rupicapra</i>		15-IS-8940	lower	- -	Im2	Im2			
RR	<i>Rupicapra rupicapra</i>		15-IS-8915	lower	- -	Im2	-			
RR	<i>Rupicapra rupicapra</i>		15-IS-8891	lower	- -	Im2	Im2			
RR	<i>Rupicapra rupicapra</i>		15-IS-8896	lower	- -	-	Im1			
RR	<i>Rupicapra rupicapra</i>		15-IS-8911	lower	- -	Im2	Im2			
RR	<i>Rupicapra rupicapra</i>		08-TSMEC-0001	lower	- -	Im2	-			
RR	<i>Rupicapra rupicapra</i>		15-IS-8334	lower	- -	-	Im2			
RR	<i>Rupicapra rupicapra</i>		15-IS-8960	lower	- -	Im2	Im2			
RR	<i>Rupicapra rupicapra</i>		15-IS-8929	lower	- -	Im2	Im2			
RR	<i>Rupicapra rupicapra</i>		15-IS-2643	lower	- -	Im2	Im2			

Type	Locality	Family	Code	Taxa	Specimen	Dirrection	Orientation	Toothrow	Mircowear	Mesowear	
Extant	Bauges - Alps	Bovidae	RR	<i>Rupicapra rupicapra</i>	A.Π.Θ	15-IS-8885	lower	-	-	Im2	Im2
			RR	<i>Rupicapra rupicapra</i>		15-IS-8892	lower	-	-	Im2	Im2
			RR	<i>Rupicapra rupicapra</i>		14-IS-2512	lower	-	-	-	Im1
			RR	<i>Rupicapra rupicapra</i>		15-IS-8913	lower	-	-	Im2	Im2
			RR	<i>Rupicapra rupicapra</i>		NO NUMB 1	lower	-	-	-	Im2
			RR	<i>Rupicapra rupicapra</i>		NO NUMB 2	lower	-	-	-	Im1
			RR	<i>Rupicapra rupicapra</i>		15-IS-8939	lower	-	-	Im2	Im2
			RR	<i>Rupicapra rupicapra</i>		15-IS-8958	lower	-	-	-	Im2
			RR	<i>Rupicapra rupicapra</i>		15-IS-8943	lower	-	-	Im2	-
			RR	<i>Rupicapra rupicapra</i>		15-IS-2641	lower	-	-	-	Im2
			RR	<i>Rupicapra rupicapra</i>		15-IS-8878	lower	-	-	Im2	Im2
			RR	<i>Rupicapra rupicapra</i>		15-IS-8934	lower	-	-	Im2	-
			RR	<i>Rupicapra rupicapra</i>		15-IS-8638	lower	-	-	Im2	Im2
			RR	<i>Rupicapra rupicapra</i>		15-IS-8900	lower	-	-	-	Im1
			RR	<i>Rupicapra rupicapra</i>		15-IS-8621	lower	-	-	Im2	Im2
			RR	<i>Rupicapra rupicapra</i>		15-IS-8884	lower	-	-	Im2	Im2
			RR	<i>Rupicapra rupicapra</i>		15-IS-8952	lower	-	-	-	Im2
			RR	<i>Rupicapra rupicapra</i>		14-IS-8944	lower	-	-	Im2	Im2
			RR	<i>Rupicapra rupicapra</i>		15-IS-8932	lower	-	-	Im2	Im2
RR	<i>Rupicapra rupicapra</i>		15-IS-2647	lower	-	-	Im2	-			
Fossil	Gerakarou	Bovidae	AK	<i>Antilope koufosi</i>		GER-48	UPPER	dex	P2,P4-M3	UM2	UM2
			AK	<i>Antilope koufosi</i>		GER-48	UPPER	sin	P2-M3	UM2	-
			AK	<i>Antilope koufosi</i>		GER-148	lower	sin	p3-m3	Im2	Im2
			AK	<i>Antilope koufosi</i>		GER-348	UPPER	sin	P4-M1	UM1	UM1
		BO	Bovid indet.		GER-370	lower	sin	dp3-m2	-	Im2	
		BO	Bovid indet.		GER-371	lower	sin	dp3-m1	Im1	-	
		CG	<i>Croizetoceros ramosus gerakarensis</i>		GER-1	lower	dex	dp3-m1	Im1	-	
		CG	<i>Croizetoceros ramosus gerakarensis</i>		GER-2	lower	dex	p3-m3	Im2	Im2	
		CG	<i>Croizetoceros ramosus gerakarensis</i>		GER-3	lower	dex	p4-m3	Im2	Im2	
		CG	<i>Croizetoceros ramosus gerakarensis</i>		GER-4	UPPER	dex	P3-M3	UM2	UM2	
		CG	<i>Croizetoceros ramosus gerakarensis</i>		GER-135	lower	dex	p3-m3	Im2	-	
CG	<i>Croizetoceros ramosus gerakarensis</i>		GER-135(a)	lower	sin	p3-m3	Im2	Im2			

Type	Locality	Family	Code	Taxa	Specimen	Dirrection	Orientation	Toothrow	Mircowear	Mesowear
Fossil	Gerakarou	Cervidae	CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-140	lower	sin	dp3-m1	Im1	-
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-146	lower	dex	dp2-m1	Im1	-
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-147	lower	dex	dp2-m1	Im1	Im1
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-182/237	lower	dex	p3-m3	Im2	Im3
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-183	lower	dex	m1-m3	Im2	Im2
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-185	UPPER	dex	P2-M3	UM2	UM3
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-188	UPPER	sin	P2-M3	UM2	UM2
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-192	UPPER	dex	P2-M3	UM2	UM2
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-193	UPPER	dex	P2-M3	UM2	UM3
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-194	UPPER	sin	P2-M3	UM2	UM2
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-203	UPPER	sin	P4,M2-M3	UM2	UM2
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-205	UPPER	sin	P2-M3	UM2	UM2
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-206	UPPER	sin	P3-M3	-	UM3
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-212	UPPER	sin	P2-M3	UM2	UM2
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-213	UPPER	sin	P2-M3	UM2	UM2
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-215	lower	sin	dp4-m1	Im1	-
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-216	lower	sin	dp3-m1	Im1	-
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-217	UPPER	sin	P3-M3	UM2	UM2
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-220	lower	sin	p2-m3	Im2	Im2
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-224	lower	dex	p4-m3	Im2	Im1
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-230	lower	dex	p2-m3	Im2	Im1
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-231	lower	dex	p2-m3	Im2	Im2
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-232	lower	dex	p2-m3	Im2	Im2
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-233	lower	sin	p2-m2	Im2	Im1
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-234	lower	dex	p2-m3	Im2	Im2
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-234a	lower	sin	p2-m3	Im2	-
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-246	UPPER	sin	M1-M2	UM2	UM2
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-248	UPPER	sin	DP3-M1	UM1	-
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-250	UPPER	dex	P4-M1	UM1	UM1
			CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-254	UPPER	dex	M2	UM2	UM2
CG	<i>Croizetoceros ramosus gerakarensis</i>	GER-372	UPPER	dex	M1-M2	UM2	UM2			
ET			<i>Eucladoceros tegulensis</i>	GER-5	lower	dex	dp2-m1	Im1	-	

Type	Locality	Family	Code	Taxa	Specimen	Dirrection	Orientation	Toothrow	Mircowear	Mesowear
Fossil	Gerakarou	Cervidae	ET	<i>Eucladoceros tegulensis</i>	Α.Π.Θ. GER-5a	lower	sin	dp3-m1	Im1	-
			ET	<i>Eucladoceros tegulensis</i>	GER-132	UPPER	dex	P3-M3	UM2	UM2
			ET	<i>Eucladoceros tegulensis</i>	GER-134	UPPER	dex	P4-M3	UM2	UM2
			ET	<i>Eucladoceros tegulensis</i>	GER-136	lower	dex	m1-m3	Im2	Im3
			ET	<i>Eucladoceros tegulensis</i>	GER-186	UPPER	dex	DP2-M1	UM1	-
			ET	<i>Eucladoceros tegulensis</i>	GER-187	UPPER	sin	P2-M3	UM2	UM2
			ET	<i>Eucladoceros tegulensis</i>	GER-191	UPPER	sin	DP2-M1	UM1	-
			ET	<i>Eucladoceros tegulensis</i>	GER-214	UPPER	dex	DP2-M1	UM1	-
			ET	<i>Eucladoceros tegulensis</i>	GER-345	lower	dex	p2-m2	Im2	Im2
		Bovidae	GB	<i>Gazella bouvrainae</i>	GER-131	UPPER	dex	P2-M3	UM2	UM3
			GB	<i>Gazella bouvrainae</i>	GER-133	lower	sin	p4-m3	Im2	Im2
			GB	<i>Gazella bouvrainae</i>	GER-137	lower	dex	p3-m3	Im3	Im3
			GB	<i>Gazella bouvrainae</i>	GER-139	lower	sin	dp3-m1	-	-
			GB	<i>Gazella bouvrainae</i>	GER-144	lower	dex	p2-m3	Im2	Im2
			GB	<i>Gazella bouvrainae</i>	GER-144b	lower	dex	p2-m3	Im2	Im2
			GB	<i>Gazella bouvrainae</i>	GER-149	lower	dex	p2-m3	Im2	Im2
			GB	<i>Gazella bouvrainae</i>	GER-184	lower	dex	p2-m3	Im2	Im2
			GB	<i>Gazella bouvrainae</i>	GER-189	lower	dex	p3-m1	Im1 & Im2	Im1
			GB	<i>Gazella bouvrainae</i>	GER-195	UPPER	sin	P2-M3	UM2	UM2
			GB	<i>Gazella bouvrainae</i>	GER-196	UPPER	dex	P2-M3	UM2	UM2
			GB	<i>Gazella bouvrainae</i>	GER-197	UPPER	dex	M1-M3	UM2	UM2
			GB	<i>Gazella bouvrainae</i>	GER-198	UPPER	sin	P2-M3	UM2	UM3
			GB	<i>Gazella bouvrainae</i>	GER-199	UPPER	dex	P2-M3	UM2	UM2
			GB	<i>Gazella bouvrainae</i>	GER-201	UPPER	dex	P2-M3	UM2	UM2
			GB	<i>Gazella bouvrainae</i>	GER-204	UPPER	sin	P3-M3	UM2	UM2
			GB	<i>Gazella bouvrainae</i>	GER-209	UPPER	dex	P2-M3	UM2	UM2
			GB	<i>Gazella bouvrainae</i>	GER-210	UPPER	sin	P2-M3	UM2	UM2
			GB	<i>Gazella bouvrainae</i>	GER-211	UPPER	sin	P2-M3	-	UM3
GB	<i>Gazella bouvrainae</i>	GER-219	lower	sin	p2-m3	Im2	Im2			
GB	<i>Gazella bouvrainae</i>	GER-221	lower	dex	p3-m3	Im2	Im2			
GB	<i>Gazella bouvrainae</i>	GER-222	lower	dex	p3-m3	Im2	Im2			
GB	<i>Gazella bouvrainae</i>	GER-223	lower	dex	p2-m3	Im2	Im2			

Type	Locality	Family	Code	Taxa	Specimen	Dirrection	Orientation	Toothrow	Mircowear	Mesowear		
Fossil	Gerakarou	Bovidae	GB	<i>Gazella bouvrainae</i>	Α.Π.Θ	GER-225	lower	dex	m2-m3	lm2	lm2	
			GB	<i>Gazella bouvrainae</i>		GER-226	lower	sin	p3-m2	lm2	lm2	
			GB	<i>Gazella bouvrainae</i>		GER-227	lower	sin	p2-m3	lm2	lm3	
			GB	<i>Gazella bouvrainae</i>		GER-228	lower	sin	p2-m3	lm2	lm2	
			GB	<i>Gazella bouvrainae</i>		GER-229	lower	sin	p2-m3	lm2	lm2	
			GB	<i>Gazella bouvrainae</i>		GER-235	lower	sin	m2-m3	lm2	lm2	
			GB	<i>Gazella bouvrainae</i>		GER-236		UPPER	sin	M1-M2	UM2	UM2
			GB	<i>Gazella bouvrainae</i>		GER-238		lower	dex	m2-m3	-	lm3
			GB	<i>Gazella bouvrainae</i>		GER-239		lower	sin	m3	lm3	lm3
			GB	<i>Gazella bouvrainae</i>		GER-242		UPPER	sin	M1	UM1	UM1
			GB	<i>Gazella bouvrainae</i>		GER-243		lower	dex	m3	-	lm3
			GB	<i>Gazella bouvrainae</i>		GER-244		UPPER	sin	M1	UM1	UM1
			GB	<i>Gazella bouvrainae</i>		GER-369		UPPER	dex	P2-M3	UM2	-
			GB	<i>Gazella bouvrainae</i>		GER-369		UPPER	sin	P2-M3	-	UM2
			LE	<i>Leptobos cf. etruscus</i>		GER-130		lower	dex	i1-i3,dp2-m1	lm1	lm1
		Sui- dae	SS	<i>Sus strozzii</i>		GER-51	UPPER	dex	P4-M3	UM2 & UM3	-	
		SS	<i>Sus strozzii</i>		GER-51	UPPER	sin	P1-M3	-	-		
		Equidae	EA	<i>Equus altidens</i>		GER-8	UPPER	sin	P2-M3	UM1 & UM2	-	
			EA	<i>Equus altidens</i>		GER-8	UPPER	dex	P2-M3	UM1 & UM2	UM2	
			EA	<i>Equus altidens</i>		GER-9	UPPER	sin	DP1-M3	UM1 & UM2	-	
EA	<i>Equus altidens</i>			GER-9	UPPER	dex	P2-M3	UM1 & UM2	UM2			
EA	<i>Equus altidens</i>			GER-10	UPPER	sin	DP3-M2	UM1 & UM2	UM2			
EA	<i>Equus altidens</i>			GER-11	lower	dex	p2-m3	lm1	lm2			
EA	<i>Equus altidens</i>			GER-12	lower	sin	m2-m3	lm2	lm2			
EA	<i>Equus altidens</i>			GER-122	UPPER	sin	DP1-M3	UM1	-			
EA	<i>Equus altidens</i>			GER-122	UPPER	dex	P2-M3	UM1 & UM2	UM2			
EA	<i>Equus altidens</i>			GER-31	UPPER	sin	P2-M3	UM2				
EA	<i>Equus altidens</i>			GER-31	UPPER	dex	P2-M3	UM1 & UM2	UM2			
EA	<i>Equus altidens</i>			GER-32	lower	sin	p2-m3	lm1	-			
EA	<i>Equus altidens</i>			GER-32	lower	dex	p2-m3	-	lm2			
EA	<i>Equus altidens</i>			GER-33	lower	sin	p2-m3	-	lm2			
EA	<i>Equus altidens</i>			GER-33	lower	dex	p2-m3	lm1 & lm2	-			
EA	<i>Equus altidens</i>		GER-34	lower	dex	p2-m3	-	lm2				

Type	Locality	Family	Code	Taxa	Specimen	Dirrection	Orientation	Toothrow	Mircowear	Mesowear
Fossil	Gerakarou	Equidae	EA	<i>Equus altidens</i>	A.Π.Θ GER-34	lower	sin	p2-m3	lm2	-
			EA	<i>Equus altidens</i>	GER-35	UPPER	sin	P2-M3	UM1 & UM2	UM2
			EA	<i>Equus altidens</i>	GER-36	UPPER	dex	P2-M2	UM2	UM2
			EA	<i>Equus altidens</i>	GER-70	lower	sin	p2-m1	-	-
			EA	<i>Equus altidens</i>	GER-70	lower	dex	p2-m3	lm2	-
			EA	<i>Equus altidens</i>	GER-71	lower	dex	p2-m3	lm1 & lm2	lm2
			EA	<i>Equus altidens</i>	GER-72	lower	dex	p2	-	-
			EA	<i>Equus altidens</i>	GER-116	UPPER	sin	P2	-	-
			EA	<i>Equus altidens</i>	GER-117	UPPER	dex	M1 or M2	-	-
			EA	<i>Equus altidens</i>	GER-118	UPPER	dex	M1 or M2	-	-
			EA	<i>Equus altidens</i>	GER-37	UPPER	sin	DP1-DP4	-	-
			EA	<i>Equus altidens</i>	GER-37	UPPER	dex	DP1-DP4	-	-
			EA	<i>Equus altidens</i>	GER-115	UPPER	sin	DP2-DP4	-	-
			EA	<i>Equus altidens</i>	GER-115	UPPER	dex	DP2-DP4	-	-
			EA	<i>Equus altidens</i>	GER-113	UPPER	sin	DP2-DP4	-	-
			EA	<i>Equus altidens</i>	GER-114	UPPER	sin	DP2-DP4	-	-
			EA	<i>Equus altidens</i>	GER-114	UPPER	dex	DP2-DP4	-	-

## B. Microwear

Type	Locality	Family	Taxa	Direction	Molar	Orientation	Facet	Scan's Filename	Selection [0=not used/1=used in statistics/ 2=used its median]	Specimen	Table correspond.
Extant	Camargues - Rhone delta	Bovidae	<i>Bos taurus</i>	lower	lm2	-	ptcd-db	Zinv-EB-00001-lm2-ptcd-dl.sur	1	EB-00001	1
				lower	lm2	-	ptcd-db	Zinv-EB-00025-lm2-ptcd-db.sur	1	EB-00025	2
				lower	lm2	-	ptcd-db	Zinv-EB-00053-lm2-ptcd-dl.sur	1	EB-00053	3
				lower	lm2	-	ptcd-db	Zinv-EB-00057-lm2-ptcd-db.sur	1	EB-00057	4
				lower	lm2	-	ptcd-db	Zinv-EB-00071-lm2-ptcd-db.sur	1	EB-00071	5
				lower	lm2	-	ptcd-db	Zinv-EB-00282-lm2-ptcd-db.sur	1	EB-00282	6
				lower	lm2	-	ptcd-db	Zinv-EB-01013-lm2-ptcd-db.sur	1	EB-01013	7
				lower	lm2	-	ptcd-db	Zinv-EB-01060-lm2-ptcd-db.sur	1	EB-01060	8
				lower	lm2	-	ptcd-db	Zinv-EB-01065-lm2-ptcd-db.sur	1	EB-01065	9
				lower	lm2	-	ptcd-mb	Zinv-EB-01070-lm2-hypc-mb.sur	1	EB-01070	10
				lower	lm2	-	ptcd-db	Zinv-EB-01074-lm2-ptcd-dl.sur	1	EB-01074	11
				lower	lm2	-	ptcd-db	Zinv-EB-02014-lm2-ptcd-dl.sur	1	EB-02014	12
				lower	lm2	-	ptcd-db	Zinv-EB-02063-lm2-ptcd-db.sur	1	EB-02063	13
				lower	lm2	-	ptcd-db	Zinv-EB-02068-lm2-ptcd-dl.sur	1	EB-02068	14
				lower	lm2	-	ptcd-db	Zinv-EB-02075-lm2-ptcd-db.sur	1	EB-02075	15
				lower	lm2	-	ptcd-db	Zinv-EB-76211-lm2-ptcd-db.sur	1	EB-76211	16
				lower	lm2	-	ptcd-db	Zinv-EB-77236-lm2-ptcd-db.sur	1	EB-77236	17
				lower	lm2	-	ptcd-db	Zinv-EB-91203-lm2-ptcd-dl.sur	1	EB-91203	18
				lower	lm2	-	ptcd-db	Zinv-EB-91207-lm2-ptcd-db.sur	1	EB-91207	19
				lower	lm2	-	ptcd-db	Zinv-EB-91209-lm2-ptcd-dl.sur	1	EB-91209	20
				lower	lm2	-	ptcd-db	Zinv-EB-93206-lm2-ptcd-db.sur	1	EB-93206	21
				lower	lm2	-	ptcd-db	Zinv-EB-93207-lm2-ptcd-dl.sur	1	EB-93207	22
				lower	lm2	-	ptcd-db	Zinv-EB-93259-lm2-ptcd-db.sur	1	EB-93259	23
				lower	lm2	-	ptcd-db	Zinv-EB-94272-lm2-ptcd-dl.sur	1	EB-94272	24
				lower	lm2	-	ptcd-db	Zinv-EB-94282-lm2-ptcd-dl.sur	1	EB-94282	25
				lower	lm2	-	ptcd-db	Zinv-EB-95278-lm2-ptcd-db.sur	1	EB-95278	26
				lower	lm2	-	ptcd-db	Zinv-EB-96107-lm2-ptcd-db.sur	1	EB-96107	27
				lower	lm2	-	ptcd-db	Zinv-EB-96273-lm2-ptcd-dl.sur	1	EB-96273	28

Table correspond.	Scale Sensitive Fractal Analyses (SSFA)						Volume Scale - Filling 3D Square			Disparities of parameters		
	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax) /epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (HAsfc36/H36)	HAsfc81 (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftfv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
1	1,100513	0,999710	0,673960	0,008319	0,496585	0,884213	1,274359	29844,773	44471,479	0,088670	0,348712	0,253842
2	1,137135	0,999580	0,208012	0,005601	0,240979	0,379944	0,509497	50309,759	73750,735	0,071385	0,003877	0,268334
3	1,478161	0,999860	0,673960	0,007740	0,776990	0,944306	1,193798	39495,374	60415,367	0,076665	0,284567	0,026324
4	1,021745	0,999870	0,532512	0,007709	0,247384	0,427499	0,631652	17831,355	37599,199	0,126891	0,281013	0,768871
5	1,136919	0,999540	0,299538	0,005276	0,385519	0,482411	0,532924	28245,945	48991,206	0,071487	0,046611	0,308900
6	1,347952	0,999800	0,407704	0,006532	0,183470	0,323238	0,356433	49072,303	70238,880	0,022692	0,135817	0,243430
7	1,659285	0,999650	0,008320	0,006348	1,526100	1,382633	1,645816	62835,919	79527,541	0,147206	0,111084	0,490657
8	1,537786	0,999780	0,299538	0,004488	0,598054	0,715898	1,230740	36114,636	57047,445	0,100440	0,180780	0,063159
9	3,367303	0,999930	0,299538	0,002270	0,259111	0,500585	0,763385	44609,153	63765,784	0,643294	0,698554	0,148076
10	2,045925	0,999430	0,407704	0,003620	0,376637	0,941120	1,507749	41635,831	64920,853	0,282953	0,352949	0,079100
11	1,243775	0,999760	0,074884	0,005633	0,972675	1,008238	1,259743	38818,760	55451,801	0,022692	0,008714	0,009044
12	5,542377	0,999780	0,407704	0,000517	0,282013	0,807787	0,856235	31004,885	51130,616	1,047449	1,466609	0,215708
13	2,842110	0,999870	0,133128	0,001815	0,743037	0,893186	1,019985	38457,390	56786,269	0,515170	0,848381	0,000308
14	1,025661	0,999520	0,299538	0,006928	0,166569	0,257164	0,369683	30809,084	47737,081	0,124956	0,187057	0,222043
15	3,664779	0,999660	0,407704	0,003483	0,361895	0,666574	0,866642	36622,007	55733,879	0,709189	0,383051	0,049209
16	1,753848	0,999200	0,407704	0,002885	0,327338	0,551445	0,715165	43971,596	62151,050	0,182148	0,526221	0,133681
17	1,134615	0,999620	0,407704	0,007151	0,296479	0,435991	0,661224	47202,660	69025,345	0,072565	0,214797	0,204586
18	1,639514	0,999870	0,299538	0,002796	0,332162	0,527341	0,821618	8207,312	32446,364	0,139743	0,549396	1,544738
19	1,234286	0,999710	0,299538	0,008295	0,475498	0,486724	0,593229	33018,555	51258,053	0,026930	0,346133	0,152785
20	1,177185	0,999930	0,208012	0,006705	0,468616	0,493310	0,622826	44892,960	65220,262	0,052819	0,158526	0,154418
21	1,367145	0,998810	0,074884	0,005198	0,352691	0,422052	0,538003	38655,383	54453,166	0,030833	0,059117	0,004827
22	1,519501	0,999590	0,299538	0,007931	0,408402	0,526986	0,687754	29583,495	50485,623	0,093209	0,306185	0,262635
23	1,879715	0,999340	0,407704	0,006502	0,544858	0,613578	0,686746	51780,949	70609,377	0,226840	0,131826	0,297156
24	0,561699	0,999690	0,407704	0,007609	0,263956	0,353218	0,428277	22490,168	42096,147	0,385077	0,269464	0,536763
25	0,906700	0,999470	0,299538	0,003837	0,523410	0,660290	0,887651	47323,446	69452,329	0,185478	0,307049	0,207142
26	2,411587	0,999910	0,208012	0,003690	0,307861	0,510167	0,692023	48923,838	72776,623	0,396326	0,337911	0,240400
27	0,945160	0,999400	0,299538	0,003281	0,143330	0,259758	0,325101	45849,927	66616,425	0,165507	0,429157	0,175510
28	0,939058	0,999470	0,407704	0,005026	0,205093	0,289933	0,440640	31337,011	49552,048	0,168649	0,087260	0,205054

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Sq <μm>		Ssk <no unit>		Sku <no unit>		Sp<μm>		Sv<μm>		Sz<μm>		Sa<μm>		Smr (c = 1.00 μm below highest peak) <%>		Smc (p = 10.0%) <μm>		Sxp (p = 50.0%, q = 97.5%) <μm>		Sal (s = 0.300) <μm>		Sal #1 (s = 0.400) <μm>		Sal #2 (s = 0.500) <μm>		Str (s = 0.300) <no unit>		Str #1 (s = 0.400) <no unit>	
	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1	0	1
1	0,10826	-2,41732	16,10281	0,41464	1,00941	1,42405	0,07134	99,44967	0,10516	0,25498	1,93900	1,70226	1,46999	0,07214	0,10716															
2	0,08516	-1,06750	10,92337	0,65798	1,35158	2,00956	0,06305	99,74791	0,09452	0,19494	2,03045	1,72726	1,43279	0,18349	0,23044															
3	0,16703	-1,34260	9,41365	0,72583	1,06837	1,79420	0,10304	94,39205	0,13369	0,48767	2,76961	2,42455	2,08394	0,09966	0,13420															
4	0,11754	-1,20182	5,80645	0,54893	0,85044	1,39937	0,08666	99,40982	0,12259	0,33199	2,51971	2,17995	1,86444	0,17181	0,20933															
5	0,13008	-1,54696	10,97272	0,63675	1,16158	1,79833	0,09233	98,65086	0,13328	0,30428	3,14066	2,66230	2,20091	0,33001	0,39695															
6	0,13093	-0,97204	5,98975	0,50520	1,25438	1,75959	0,09949	99,63595	0,14757	0,31504	2,63353	2,24289	1,86690	0,21162	0,26584															
7	0,14157	-1,62596	10,08170	0,72862	1,17527	1,90389	0,09788	96,30993	0,13915	0,34988	2,75109	2,37511	2,02441	0,13772	0,21942															
8	0,13978	-1,42965	9,27509	0,67654	1,42478	2,10132	0,09716	97,17383	0,13778	0,35807	2,90069	2,46330	2,06364	0,40290	0,44938															
9	0,19860	-3,10782	31,15774	0,94566	3,11926	4,06492	0,12655	70,84645	0,18444	0,44583	2,68978	2,27926	1,89832	0,50086	0,55145															
10	0,12267	-3,18311	46,01928	0,40901	3,04355	3,45255	0,08588	99,80771	0,12984	0,25836	2,67572	2,21539	1,82236	0,19204	0,24928															
11	0,11637	-1,30445	7,93457	0,43637	1,12114	1,55751	0,08512	99,72851	0,12741	0,28480	2,77715	2,34688	1,93933	0,25471	0,30307															
12	0,33140	-1,96963	9,72755	1,19579	3,26135	4,45714	0,22164	21,51357	0,27657	1,02952	4,11447	3,48587	2,93318	0,90749	0,92639															
13	0,18596	-1,70387	11,82954	0,74361	1,91334	2,65694	0,12412	92,71180	0,18255	0,45233	3,40967	2,84763	2,36400	0,70755	0,73792															
14	0,10667	-1,14366	8,12990	0,85147	1,14382	1,99529	0,07945	92,00942	0,11702	0,25171	2,41699	2,03537	1,72014	0,13603	0,17808															
15	0,21677	-2,84554	22,75301	0,80125	3,35106	4,15231	0,13882	89,52087	0,20527	0,48483	2,66439	2,28812	1,92784	0,46310	0,51393															
16	0,14130	-1,92797	16,91588	0,62044	2,31142	2,93185	0,09898	98,31757	0,14801	0,33594	2,64689	2,23797	1,87097	0,48549	0,51371															
17	0,13858	-1,35985	7,03110	0,46227	1,24256	1,70483	0,09937	99,36676	0,14428	0,38123	2,93963	2,53309	2,14858	0,17937	0,20627															
18	0,13372	-1,81170	12,60668	0,66803	1,78109	2,44912	0,09358	97,69438	0,13008	0,33967	2,97454	2,50371	2,09015	0,48611	0,55617															
19	0,12661	-1,44278	10,08680	0,54828	1,37270	1,92098	0,08865	98,99889	0,12915	0,29314	2,86847	2,38691	1,95273	0,15743	0,18045															
20	0,08978	-1,21524	6,42753	0,60819	0,69783	1,30602	0,06620	99,69092	0,09645	0,23292	2,08891	1,72279	1,38524	0,20725	0,22929															
21	0,11325	-1,04130	6,63745	0,70586	1,01943	1,72529	0,08419	98,19802	0,12335	0,27559	2,65676	2,25225	1,87625	0,29600	0,34451															
22	0,14257	-1,23883	7,35638	0,52715	1,35946	1,88662	0,10526	99,32346	0,15523	0,35687	2,98469	2,52455	2,09782	0,23476	0,28263															
23	0,14894	-1,53392	13,73984	0,77711	2,71281	3,48992	0,10697	93,26342	0,15540	0,36041	2,64477	2,23114	1,85321	0,15211	0,17849															
24	0,08074	-0,63862	4,53231	0,42849	0,49934	0,92784	0,06193	100,00000	0,09462	0,18478	2,53937	2,16929	1,83717	0,11474	0,18087															
25	0,07329	-2,23301	29,92836	0,43308	1,60400	2,03708	0,05354	99,92196	0,08074	0,15833	1,96192	1,66817	1,42384	0,35645	0,43085															
26	0,14846	-1,39563	11,57689	0,97755	2,17926	3,15681	0,10541	63,07091	0,14868	0,34154	2,97737	2,46135	2,01672	0,54711	0,61649															
27	0,09436	-0,95832	4,69425	0,34080	0,90089	1,24168	0,07221	99,99495	0,10607	0,24615	2,68836	2,24860	1,84722	0,10754	0,12758															
28	0,09760	-0,88004	5,82119	0,41710	0,94718	1,36427	0,07372	99,93826	0,11196	0,23507	2,39127	2,03465	1,72688	0,31461	0,39503															

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Str #2 (s = 0.500) <no unit>	Std (Reference angle = 0.00°)	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) <μm³/μm²>	Vv (p = 10.0%) <μm³/μm²>	Vmp (p = 10.0%) <μm³/μm²>	Vmc (p = 10.0%, q = 80.0%) <μm³/μm²>	Vvc (p = 10.0%, q = 80.0%) <μm³/μm²>	Vvw (p = 80.0%) <μm³/μm²>	Spd (pruning = 5.00%) <1/μm²>	Spc (pruning = 5.00%) <1/μm²>	S10z (pruning = 5.00%) <μm>	S5p (pruning = 5.00%) <μm>
1	0,14359	114,750	0,104886	0,523803	0,004068	0,109228	0,004068	0,070710	0,090770	0,018458	0,006438	0,326970	1,332106	0,349211
2	0,27276	112,244	0,096845	0,438636	0,003715	0,098235	0,003715	0,068362	0,085611	0,012624	0,004347	0,357178	1,619132	0,529800
3	0,17211	73,258	0,127959	0,765325	0,012124	0,145819	0,012124	0,084898	0,111926	0,033893	0,004183	0,421386	1,701385	0,666393
4	0,24213	103,501	0,101695	0,501234	0,004061	0,126656	0,004061	0,091825	0,105951	0,020704	0,008170	0,242313	1,134726	0,419682
5	0,43021	114,499	0,111386	0,592204	0,005696	0,138977	0,005696	0,096228	0,117513	0,021464	0,005589	0,325127	1,601056	0,525896
6	0,31242	47,502	0,115899	0,652107	0,004692	0,152259	0,004692	0,110156	0,132389	0,019870	0,006308	0,338779	1,482473	0,427253
7	0,27200	47,501	0,119868	0,685730	0,006162	0,145314	0,006162	0,098988	0,120715	0,024599	0,005425	0,492999	1,620486	0,569478
8	0,50800	112,749	0,128657	0,787555	0,006751	0,144531	0,006751	0,097127	0,119153	0,025378	0,006242	0,517532	1,824463	0,615466
9	0,59665	32,748	0,199659	1,562560	0,009423	0,193859	0,009423	0,122698	0,161357	0,032502	0,002843	0,460826	3,408511	0,716484
10	0,46728	66,750	0,134440	0,721398	0,004550	0,134391	0,004550	0,093003	0,116301	0,018090	0,001438	0,302389	2,231066	0,339464
11	0,34716	123,752	0,109814	0,582908	0,004253	0,131666	0,004253	0,090488	0,113006	0,018660	0,008857	0,632138	1,381340	0,424999
12	0,93834	10,497	0,262953	2,975921	0,013382	0,289953	0,013382	0,202965	0,218075	0,071878	0,003399	0,600694	3,585545	1,086760
13	0,75969	171,508	0,179120	1,421155	0,009872	0,192424	0,009872	0,120149	0,158443	0,033981	0,005850	0,440736	2,259287	0,668733
14	0,22721	73,003	0,098713	0,477067	0,003769	0,120792	0,003769	0,087704	0,104239	0,016552	0,004183	0,421146	1,588834	0,610442
15	0,55545	32,497	0,214253	1,770283	0,008902	0,214175	0,008902	0,134287	0,176762	0,037413	0,003105	0,487173	3,505172	0,740377
16	0,54390	169,250	0,137000	0,822694	0,005886	0,153899	0,005886	0,100695	0,130747	0,023152	0,003595	0,378800	2,380222	0,547887
17	0,25289	111,248	0,110469	0,587526	0,005287	0,149564	0,005287	0,101396	0,124148	0,025416	0,006569	0,271390	1,410416	0,417779
18	0,60280	114,743	0,124779	0,749709	0,005441	0,135520	0,005441	0,097049	0,112406	0,023115	0,005523	0,597348	1,821482	0,585901
19	0,19064	47,008	0,110443	0,583672	0,006026	0,135179	0,006026	0,091745	0,114969	0,020210	0,004347	0,381415	1,463805	0,404658
20	0,23914	24,258	0,101833	0,504349	0,003119	0,099568	0,003119	0,070391	0,084035	0,015533	0,008530	0,387152	1,010856	0,389324
21	0,37739	158,253	0,107377	0,560614	0,004288	0,127635	0,004288	0,091504	0,109503	0,018132	0,006602	0,548152	1,429905	0,560507
22	0,32167	163,760	0,119837	0,694813	0,005158	0,160388	0,005158	0,112845	0,136206	0,024182	0,007125	0,522842	1,547214	0,458480
23	0,21957	31,248	0,142096	0,855127	0,006606	0,162002	0,006606	0,112110	0,137688	0,024314	0,001863	0,396827	2,561259	0,605212
24	0,25471	112,993	0,069885	0,242629	0,003349	0,097973	0,003349	0,067980	0,086353	0,011619	0,009935	0,212460	0,799072	0,337023
25	0,48989	149,498	0,086533	0,350043	0,002775	0,083519	0,002775	0,058049	0,072889	0,010630	0,003922	0,457289	1,513624	0,365458
26	0,66389	30,755	0,154088	1,078394	0,006768	0,155444	0,006768	0,111243	0,131742	0,023703	0,004608	0,558216	2,244098	0,797170
27	0,16383	34,249	0,091014	0,406099	0,002845	0,108914	0,002845	0,080391	0,093513	0,015401	0,008661	0,264829	0,919078	0,288916
28	0,43763	92,753	0,092890	0,426205	0,003768	0,115725	0,003768	0,080303	0,100695	0,015030	0,009053	0,295198	1,048793	0,350121

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm²>	Sha (pruning = 5.00%) <μm²>	Sdv (pruning = 5.00%) <μm³>	Shv (pruning = 5.00%) <μm³>	Svd (pruning = 5.00%) <1/μm²>	Svc (pruning = 5.00%) <1/μm²>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>	Spq <no unit>	Svq <no unit>	Smq <no unit>
1	0,982895	113,654	149,62	0,807075	1,85825	0,008530	-0,334686	0,184996	0,081537	0,205420	10,295718	86,078981	0,07990	0,51813	95,90
2	1,089332	151,314	195,06	1,648748	3,33424	0,005392	-0,679490	0,183155	0,073894	0,126322	9,085973	86,652396	0,07129	0,17023	92,11
3	1,034992	128,341	225,74	1,587347	2,84755	0,007876	-0,505700	0,183773	0,223894	0,347090	13,046237	81,432011	*****	*****	*****
4	0,715045	104,664	114,13	0,895509	1,35200	0,009445	-0,347681	0,231199	0,080325	0,212331	7,659179	84,223173	0,08592	0,21051	77,50
5	1,075160	147,571	175,43	1,561826	3,24868	0,007092	-0,356371	0,249472	0,114242	0,217865	9,007151	85,061966	0,10537	0,53519	96,80
6	1,055220	116,888	157,71	1,221338	2,41032	0,007876	-0,422953	0,296029	0,091273	0,200171	7,576075	86,631946	0,10365	0,26172	89,23
7	1,051008	142,835	166,76	1,801983	2,68095	0,006177	-0,868974	0,252228	0,123454	0,259070	9,290806	84,791273	0,10801	0,50153	94,40
8	1,208996	106,513	132,37	1,535656	2,96625	0,008138	-0,581882	0,231899	0,134502	0,258928	10,609379	83,137996	0,11170	0,37303	92,63
9	2,692027	219,662	351,00	5,892485	8,87497	0,003791	-0,921458	0,320751	0,188244	0,360540	10,718604	85,991800	0,15222	1,59501	98,49
10	1,891602	251,046	827,76	3,041130	31,11525	0,003203	-1,001629	0,245927	0,089893	0,182095	9,344901	86,200250	0,09638	0,38539	96,94
11	0,956341	84,444	84,91	0,909769	0,86084	0,010491	-0,689437	0,242690	0,083279	0,197027	8,897610	86,641798	0,09136	0,35559	94,38
12	2,498785	131,462	247,87	4,556589	7,30156	0,007059	-1,432286	0,434551	0,273254	0,719606	8,986654	80,129100	*****	*****	*****
13	1,590554	102,663	142,22	2,106042	3,08005	0,008889	-0,615755	0,277260	0,200658	0,344525	12,452862	82,661141	0,15100	0,79842	96,67
14	0,978392	212,048	232,47	1,917227	4,08671	0,004706	-0,394731	0,225283	0,072991	0,165545	8,218681	85,191724	0,08189	0,42129	97,42
15	2,764795	192,842	351,85	4,296240	8,68065	0,005164	-1,021540	0,342541	0,179797	0,410201	11,252167	85,344180	0,15666	1,15656	96,48
16	1,832335	172,207	290,62	2,595214	6,90703	0,004968	-0,755472	0,274884	0,117321	0,251518	9,711841	86,949874	0,11237	0,43545	95,05
17	0,992637	148,921	153,43	1,464202	2,25257	0,006438	-0,353832	0,253139	0,105449	0,262594	9,719004	84,159898	0,10597	0,31595	87,70
18	1,235581	131,036	184,81	2,178339	3,88292	0,007974	-0,527380	0,239391	0,110949	0,237754	8,347315	83,754358	0,10255	0,47819	95,21
19	1,059146	172,482	180,99	1,456487	3,38299	0,005229	-0,445090	0,237082	0,120647	0,215441	9,759245	85,793338	0,10373	0,50500	96,22
20	0,621532	93,482	100,59	0,743788	1,06283	0,010099	-0,382609	0,180919	0,060273	0,155924	8,459220	84,634314	0,06645	0,20967	89,32
21	0,869398	137,118	149,73	1,604612	2,18810	0,007157	-0,475452	0,238206	0,085933	0,181697	8,165495	85,434448	0,08988	0,33292	95,45
22	1,088734	111,681	138,58	1,372036	2,24028	0,009183	-0,655946	0,281589	0,101809	0,241484	9,333977	84,152077	0,10802	0,23086	78,70
23	1,956047	248,563	427,51	5,619634	12,51107	0,003072	-0,744878	0,294703	0,132534	0,251379	8,891687	85,688411	0,12253	0,27914	88,47
24	0,462049	85,780	105,58	0,440056	0,91744	0,011569	-0,221596	0,187905	0,065990	0,115756	8,768148	87,752204	70,78	175,28	94,28
25	1,148166	148,312	256,56	1,659730	4,33997	0,005654	-0,510933	0,157727	0,054294	0,106250	8,654530	86,819504	0,06360	0,82105	99,58
26	1,446928	180,047	218,23	3,009143	6,10579	0,005360	-0,702119	0,284416	0,138589	0,243008	8,322297	84,854245	0,11465	0,66339	97,38
27	0,630162	93,213	119,08	0,632003	1,39926	0,010425	-0,298197	0,204314	0,053574	0,153523	7,560717	84,727592	0,06165	0,15016	67,06
28	0,698672	106,550	110,66	0,757177	1,66013	0,009053	-0,319548	0,213752	0,074252	0,150527	9,143047	86,393166	0,08093	0,16891	86,19

Type	Locality	Family	Taxa	Direction	Molar	Orientation	Facet	Scan's Filename	Selection [0=not used/1=used in statistics/ 2=used its median]	Specimen	Table correspond.
Extant	Camargues - Rhone delta	Bovidae	<i>Bos taurus</i>	lower	lm2	-	ptcd-db	Zinv-EB-96274-lm2-hypc-dl.sur	1	EB-96274	29
				lower	lm2	-	ptcd-db	Zinv-EB-96278-lm2-ptcd-dl.sur	1	EB-96278	30
				lower	lm2	-	ptcd-db	Zinv-EB-96282-lm2-ptcd-dl.sur	1	EB-96282	31
				lower	lm2	-	ptcd-db	Zinv-EB-96287-lm2-ptcd-dl.sur	1	EB-96287	32
				lower	lm2	-	ptcd-db	Zinv-EB-97056-lm2-ptcd-db.sur	1	EB-97056	33
				lower	lm2	-	ptcd-db	Zinv-EB-97061-lm2-ptcd-db.sur	1	EB-97061	34
				lower	lm2	-	ptcd-db	Zinv-EB-97063-lm2-ptcd-db.sur	1	EB-97063	35
				lower	lm2	-	ptcd-db	Zinv-EB-98028-lm2-ptcd-db.sur	1	EB-98028	36
				lower	lm2	-	ptcd-db	Zinv-EB-98065-lm2-ptcd-dl.sur	1	EB-98065	37
				lower	lm2	-	ptcd-db	Zinv-EB-98066-lm2-ptcd-db.sur	1	EB-98066	38
				lower	lm2	-	ptcd-db	Zinv-EB-98069-lm2-ptcd-dl.sur	1	EB-98069	39
				lower	lm2	-	ptcd-db	Zinv-EB-99011-lm2-ptcd-dl.sur	1	EB-99011	40
				lower	lm2	-	ptcd-db	Zinv-EB-99013-lm2-ptcd-dl.sur	1	EB-99013	41
				lower	lm2	-	ptcd-db	Zinv-EB-99055-lm2-ptcd-dl.sur	1	EB-99055	42
	lower	lm2	-	ptcd-db	Zinv-EB-99092-lm2-ptcd-dl.sur	1	EB-99092	43			
	lower	lm2	-	ptcd-db	Zinv-EB-99264-lm2-ptcd-db.sur	1	EB-99264	44			
	Bialowieza-Poland (summer-spring)	Bovidae	<i>Bison bonasus</i>	lower	lm2	-	ptcd-db	Zinv-MRI-PAS-144-005.sur	1	MRI-PAS-144-005	45
				lower	lm2	-	ptcd-db	Zinv-MRI-PAS-152-751-b-lm2-pro.sur	1	MRI-PAS-152-751-b	46
				lower	lm2	-	ptcd-db	Zinv-MRI-PAS-166-933-b-lm2-pro.sur	1	MRI-PAS-166-933-b	47
				lower	lm2	-	ptcd-db	Zinv-MRI-PAS-167-140-b-lm2-pro.sur	1	MRI-PAS-167-140-b	48
				lower	lm2	-	ptcd-db	Zinv-MRI-PAS-167-763-b-lm2-pro.sur	1	MRI-PAS-167-763-b	49
				lower	lm2	-	ptcd-db	Zinv-MRI-PAS-168-712-b-lm2-pro.sur	1	MRI-PAS-168-712-b	50
lower				lm2	-	ptcd-db	Zinv-MRI-PAS-168-722-b-lm2-pro.sur	1	MRI-PAS-168-722-b	51	
lower				lm2	-	ptcd-db	Zinv-MRI-PAS-168-760-b-lm2-pro.sur	1	MRI-PAS-168-760-b	52	
lower				lm2	-	ptcd-db	Zinv-MRI-PAS-168-841-b-lm2-pro.sur	1	MRI-PAS-168-841-b	53	
lower				lm2	-	ptcd-db	Zinv-MRI-PAS-169-202-lm2-pro.sur	1	MRI-PAS-169-202	54	
lower				lm2	-	ptcd-db	Zinv-MRI-PAS-169-412.sur	1	MRI-PAS-169-412	55	
lower				lm2	-	ptcd-db	Zinv-MRI-PAS-169-501.sur	1	MRI-PAS-169-501	56	

Table correspond.	Scale Sensitive Fractal Analyses (SSFA)						Volume Scale - Filling 3D Square			Disparities of parameters		
	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax) /epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (HAsfc36/H36)	HAsfc81 (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftfv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
29	1,194302	0,999860	0,407704	0,007399	0,492489	0,630432	0,929265	29738,184	47984,989	0,044988	0,244769	0,257420
30	1,492520	0,999850	0,407704	0,003157	0,979833	1,185166	1,641893	38481,125	57051,014	0,082443	0,458550	0,000308
31	0,690056	0,999740	0,673960	0,006066	0,236032	0,442628	0,561286	28091,256	44167,902	0,306090	0,071951	0,314391
32	0,646760	0,999510	0,532512	0,007872	0,125755	0,309434	0,458842	39045,641	55189,651	0,332042	0,299557	0,014871
33	1,155920	0,999600	0,532512	0,001799	0,115182	0,308110	0,377804	41294,030	61011,555	0,062634	0,854081	0,070857
34	3,619602	0,999920	0,299538	0,002539	0,179233	0,380705	0,483168	40875,515	58918,439	0,699457	0,619499	0,060670
35	1,514104	0,999930	0,208012	0,005551	0,279423	0,285729	0,387948	37932,149	57736,100	0,091065	0,003726	0,014060
36	1,550179	0,999620	0,133128	0,003350	1,154486	1,227979	2,232094	37008,592	54471,694	0,105312	0,413168	0,038708
37	1,551524	0,999690	0,407704	0,005600	0,346371	0,572934	0,837607	45962,243	65667,479	0,105839	0,003726	0,177957
38	1,834956	0,999890	0,133128	0,003790	0,191131	0,359931	0,459180	37880,019	57689,586	0,211175	0,316813	0,015435
39	1,194414	0,999670	0,407704	0,005503	0,314967	0,423435	0,634162	34873,644	49830,096	0,044937	0,011080	0,098125
40	1,020281	0,999920	0,208012	0,006173	0,275045	0,396888	0,564382	31091,767	52786,196	0,127615	0,086980	0,212910
41	1,423820	0,999640	0,407704	0,006288	0,237575	0,364641	0,423438	33487,993	55207,582	0,054493	0,102885	0,138669
42	0,909793	0,999820	0,673960	0,005960	0,621234	0,712755	0,983755	53526,626	70465,785	0,183857	0,056836	0,330313
43	1,064779	0,999960	0,133128	0,001602	0,479659	0,751617	0,996545	44768,502	61953,345	0,105828	0,927063	0,151642
44	0,609946	0,999670	0,407704	0,007741	0,208218	0,345075	0,436797	30859,377	55097,920	0,354651	0,284681	0,220412
45	1,681472	0,999628	0,532512	0,000598	0,541317	0,833196	1,260531	23594,478	46908,044	0,090490	0,853571	0,453331
46	4,811289	0,999853	0,133128	0,002004	0,794358	1,216012	1,668208	45126,556	64793,602	0,682947	0,222379	0,195107
47	1,962262	0,999858	0,299538	0,002381	0,846954	0,814387	1,582476	37353,079	53442,459	0,009098	0,104152	0,006056
48	2,837164	0,999862	0,673960	0,002200	0,303937	0,521219	0,813518	41553,471	66006,695	0,267878	0,159173	0,112619
49	1,493550	0,999735	0,208012	0,001279	1,055302	1,590554	2,263577	29738,184	52075,838	0,163148	0,498587	0,221920
50	0,838029	0,999530	0,532512	0,003445	0,176732	0,300526	0,417870	46690,767	64941,737	0,468162	0,169456	0,229182
51	1,908851	0,999743	0,673960	0,004804	0,425898	0,457637	0,506498	30878,590	51433,577	0,009098	0,436223	0,184290
52	2,429350	0,999707	1,406164	0,002214	0,327284	0,578517	0,925685	55963,964	75119,371	0,155515	0,154808	0,410340
53	1,142836	0,999826	0,407704	0,004632	0,492251	0,632090	0,790717	36903,347	55276,756	0,314725	0,406141	0,006056
54	1,208157	0,999370	0,133128	0,002189	0,491654	0,632346	0,863699	35493,962	57832,717	0,284697	0,162616	0,044995
55	7,547857	0,999198	0,133128	0,003485	0,502423	0,584578	0,860985	40670,889	63827,616	1,068825	0,178415	0,091151
56	0,702696	0,998941	0,407704	0,002031	0,476426	0,867754	1,070658	7994,136	25138,922	0,544643	0,213431	1,535552

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Sq <μm>		Ssk <no unit>		Sku <no unit>		Sp<μm>		Sv<μm>		Sz<μm>		Sa<μm>		Smr (c = 1.00 μm below highest peak) <%>		Smc (p = 10.0%) <μm>		Sxp (p = 50.0%, q = 97.5%) <μm>		Sal (s = 0.300) <μm>		Sal #1 (s = 0.400) <μm>		Sal #2 (s = 0.500) <μm>		Str (s = 0.300) <no unit>		Str #1 (s = 0.400) <no unit>	
29	0,14132	-1,64844	9,62215	0,57650	1,39611	1,97261	0,10060	98,55311	0,14209	0,34779	3,07880	2,64187	2,23909	0,13728	0,22158															
30	0,16718	-2,13336	16,91791	0,80763	2,00089	2,80852	0,10557	92,65581	0,15079	0,41808	4,08911	3,45813	2,86687	0,70929	0,74257															
31	0,10717	-1,20675	7,84250	0,40800	1,07779	1,48579	0,07784	99,89605	0,11813	0,26693	2,71433	2,38453	2,02399	0,17975	0,30865															
32	0,08831	-1,09775	6,51770	0,50777	0,89512	1,40290	0,06659	99,92441	0,09959	0,21790	2,45788	2,04613	1,73309	0,15844	0,17958															
33	0,11682	-1,18923	6,13218	0,40006	1,01897	1,41903	0,08719	99,93598	0,12291	0,31089	2,76469	2,35697	1,99426	0,27194	0,51199															
34	0,21259	-2,42620	17,63237	0,87574	2,91004	3,78578	0,14838	80,24652	0,19944	0,55936	3,21151	2,69849	2,27475	0,66076	0,71276															
35	0,11711	-1,08089	6,53726	0,69789	1,10645	1,80434	0,08659	98,02023	0,12659	0,29175	3,28993	2,67149	2,12528	0,54052	0,55235															
36	0,14492	-1,72926	11,95376	0,95499	1,55360	2,50858	0,09306	73,83002	0,13774	0,40103	3,64630	3,07617	2,55574	0,49693	0,55013															
37	0,12974	-1,14788	8,25607	0,56147	1,69522	2,25669	0,09491	99,27983	0,14236	0,31321	3,14022	2,55862	2,09160	0,37190	0,44329															
38	0,11496	-1,32934	8,27764	0,50066	1,14328	1,64394	0,08222	99,52805	0,12091	0,28204	2,39554	2,00494	1,67088	0,43800	0,47232															
39	0,12069	-1,46831	8,48689	0,61409	1,19267	1,80676	0,08728	98,75869	0,12494	0,31504	2,68867	2,29821	1,94995	0,33303	0,39227															
40	0,12896	-0,74970	4,80804	0,46951	0,81915	1,28867	0,09716	99,76559	0,14718	0,31401	3,27639	2,80896	2,38043	0,32248	0,36361															
41	0,13110	-0,91130	5,12013	0,43079	0,85695	1,28774	0,09880	99,80334	0,14681	0,32889	2,52661	2,14342	1,81560	0,27381	0,30749															
42	0,11498	-1,26277	9,08410	0,51017	0,86534	1,37551	0,07845	99,48422	0,11447	0,29097	2,58281	2,23036	1,91197	0,10911	0,23002															
43	0,11909	-1,20835	7,60765	0,63780	0,99143	1,62923	0,08509	98,57988	0,12149	0,31216	3,84071	3,21476	2,68235	0,52417	0,56134															
44	0,08058	-0,88250	6,51273	0,46697	0,66785	1,13482	0,05994	99,98116	0,09244	0,18245	2,23370	1,91845	1,63035	0,12022	0,13797															
45	0,17557	-2,33184	16,57090	0,84167	2,56441	3,40608	0,11764	87,29936	0,14917	0,51168	3,75070	3,18234	2,67511	0,81254	0,83615															
46	0,25348	-1,66434	18,13969	2,61622	5,18494	7,80116	0,17119	0,02607	0,25167	0,57389	4,07066	3,31050	2,66535	0,81234	0,81118															
47	0,15171	-4,54933	36,72386	0,70786	2,31805	3,02591	0,08304	96,96324	0,10604	0,38528	2,86544	2,41605	2,01763	0,65505	0,66422															
48	0,20911	-2,14763	12,88334	0,89748	1,99297	2,89045	0,14190	79,45288	0,18998	0,57323	3,49261	2,99697	2,54038	0,77742	0,80531															
49	0,16219	-5,01742	65,44785	1,07907	3,52546	4,60453	0,08326	16,51015	0,10307	0,38149	4,16775	3,47935	2,88092	0,70322	0,73611															
50	0,11627	-1,36169	6,77642	0,36048	0,85906	1,21954	0,08627	99,87132	0,12076	0,30706	3,29332	2,79593	2,33843	0,49018	0,52411															
51	0,20642	-0,41788	4,44319	1,03084	1,43125	2,46209	0,15828	45,16653	0,24774	0,44322	3,70330	3,15039	2,66265	0,45335	0,51073															
52	0,22772	-1,85171	8,63067	0,86211	1,51577	2,37788	0,15266	83,35925	0,19321	0,69260	3,65552	3,11648	2,62593	0,68752	0,70759															
53	0,14703	-1,20330	7,06636	0,61146	1,62103	2,23249	0,10764	98,12004	0,15357	0,37384	3,92093	3,33128	2,79002	0,45174	0,51206															
54	0,11294	-1,70300	12,92929	1,01568	1,06281	2,07849	0,07510	51,28209	0,10361	0,31551	3,28118	2,77845	2,33831	0,69251	0,73212															
55	0,35284	-1,59817	11,24889	1,67885	4,01401	5,69286	0,23975	1,58169	0,33163	0,93119	3,51577	3,01632	2,55407	0,50556	0,54885															
56	0,11412	-3,66568	24,69203	0,31339	1,22552	1,53891	0,06657	99,52933	0,09148	0,32522	3,66367	3,08752	2,58644	0,85475	0,87117															

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Str #2 (s = 0.500) <no unit>	Std (Reference angle = 0.00°)	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vv (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vmp (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vmc (p = 10.0%, q = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vvc (p = 10.0%, q = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vvw (p = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Spd (pruning = 5.00%) <1/μm <sup>2</sup> >	Spc (pruning = 5.00%) <1/μm <sup>2</sup> >	S10z (pruning = 5.00%) <μm>	S5p (pruning = 5.00%) <μm>
29	0,27046	113,997	0,106725	0,548620	0,005235	0,147329	0,005235	0,105499	0,122773	0,024556	0,004151	0,441052	1,617536	0,462311
30	0,75169	120,250	0,128497	0,773483	0,009561	0,160354	0,009561	0,097046	0,130864	0,029489	0,003824	0,556320	2,395705	0,713309
31	0,37002	98,758	0,085700	0,363431	0,004455	0,122588	0,004455	0,080939	0,105329	0,017259	0,007321	0,233329	1,137133	0,348865
32	0,20455	117,750	0,077820	0,300331	0,002954	0,102543	0,002954	0,072058	0,088596	0,013946	0,004477	0,276575	0,979491	0,334181
33	0,60589	12,998	0,105870	0,547364	0,003959	0,126868	0,003959	0,094043	0,106616	0,020253	0,008955	0,250260	1,173337	0,382208
34	0,75862	58,500	0,204565	1,741624	0,006050	0,205487	0,006050	0,155690	0,165585	0,039903	0,002974	0,523258	3,079733	0,683946
35	0,55135	11,750	0,112714	0,620433	0,004533	0,131118	0,004533	0,092173	0,111777	0,019341	0,007680	0,389735	1,358306	0,480798
36	0,59691	144,005	0,126886	0,698183	0,007312	0,145048	0,007312	0,083230	0,118997	0,026051	0,003039	0,694565	1,905505	0,729059
37	0,50068	132,995	0,120847	0,695221	0,005436	0,147793	0,005436	0,100023	0,126855	0,020938	0,005654	0,434189	1,681729	0,519151
38	0,50008	8,248	0,127503	0,773070	0,004839	0,125753	0,004839	0,085104	0,106468	0,019285	0,011471	0,524705	1,410702	0,477868
39	0,45386	83,752	0,106408	0,550114	0,004235	0,129175	0,004235	0,091791	0,108206	0,020969	0,006013	0,382446	1,397698	0,441109
40	0,39677	137,759	0,098829	0,476952	0,005440	0,152621	0,005440	0,105270	0,132829	0,019792	0,009674	0,407552	1,179171	0,411751
41	0,34658	92,003	0,115623	0,655245	0,004968	0,151778	0,004968	0,106983	0,130873	0,020905	0,013269	0,316521	1,161895	0,409712
42	0,30093	97,514	0,094282	0,433887	0,006361	0,120832	0,006361	0,075788	0,100782	0,020050	0,006504	0,276901	1,309228	0,481844
43	0,60584	113,001	0,094869	0,436197	0,005164	0,126654	0,005164	0,088141	0,106086	0,020568	0,005687	0,539885	1,364112	0,508993
44	0,15595	132,489	0,075624	0,283249	0,003354	0,095792	0,003354	0,063585	0,083957	0,011834	0,009151	0,256934	1,012347	0,426623
45	0,85345	39,248	0,151001	0,874927	0,006524	0,155692	0,006524	0,111089	0,118561	0,037131	0,001471	0,999365	2,718905	0,600291
46	0,80741	163,257	0,280627	2,304539	0,012612	0,264285	0,012612	0,173377	0,223973	0,040312	0,001209	1,348798	5,595801	1,430105
47	0,66534	176,488	0,157559	0,897910	0,004365	0,110406	0,004365	0,070342	0,081224	0,029182	0,001209	0,904365	2,562904	0,559803
48	0,81752	85,993	0,169982	1,251758	0,007540	0,197519	0,007540	0,140866	0,156490	0,041029	0,003235	0,264060	2,505938	0,674871
49	0,78607	98,755	0,142316	0,793018	0,008875	0,111947	0,008875	0,064491	0,082565	0,029382	0,000817	0,847069	2,894234	0,744614
50	0,54503	81,508	0,089989	0,398885	0,003575	0,124331	0,003575	0,094171	0,103919	0,020412	0,010981	0,522570	1,149187	0,342935
51	0,55489	77,005	0,146474	0,991346	0,009760	0,257497	0,009760	0,174780	0,229709	0,027788	0,006144	0,285595	1,990316	0,805362
52	0,71766	114,747	0,172697	1,267083	0,009248	0,202463	0,009248	0,137915	0,150770	0,051693	0,003366	0,462232	2,140493	0,720173
53	0,56658	65,754	0,112871	0,579607	0,005763	0,159331	0,005763	0,114507	0,134024	0,025307	0,005033	0,591369	1,724485	0,554057
54	0,76260	86,254	0,106998	0,532939	0,004304	0,107909	0,004304	0,071742	0,085886	0,022023	0,005360	0,898502	1,551156	0,575175
55	0,57900	33,746	0,317693	3,443019	0,018778	0,350412	0,018778	0,245807	0,285162	0,065249	0,002190	1,206374	4,398728	1,383402
56	0,87424	50,991	0,091168	0,388912	0,003170	0,094652	0,003170	0,057294	0,072181	0,022471	0,003301	0,287203	1,438807	0,285213

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm²>	Sha (pruning = 5.00%) <μm²>	Sdv (pruning = 5.00%) <μm³>	Shv (pruning = 5.00%) <μm³>	Svd (pruning = 5.00%) <1/μm²>	Svc (pruning = 5.00%) <1/μm²>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>	Spq <no unit>	Svq <no unit>	Smq <no unit>
29	1,155225	144,376	239,27	1,406505	3,31586	0,006471	-0,421921	0,258686	0,103858	0,250638	8,565570	83,581948	0,10427	0,47019	93,92
30	1,682397	175,261	221,63	2,573073	5,44342	0,004412	-0,884674	0,239066	0,186670	0,322765	12,086886	84,641797	0,13619	0,87276	97,21
31	0,788268	134,011	137,68	1,158091	1,90525	0,006634	-0,266830	0,220199	0,088826	0,185411	9,832188	87,134819	0,08915	0,27302	92,82
32	0,645310	163,207	210,87	1,228169	2,20475	0,006373	-0,240581	0,200546	0,055162	0,143128	7,660782	87,287911	0,06435	0,18144	86,39
33	0,791129	87,825	114,39	0,893540	1,66089	0,010883	-0,288040	0,234064	0,077475	0,203124	7,377863	83,734833	0,08279	0,22336	81,34
34	2,395787	128,735	279,48	3,886284	7,40505	0,007386	-0,743435	0,340146	0,116671	0,398804	8,112079	80,409697	0,13964	1,44798	98,45
35	0,877508	107,172	132,76	1,080844	2,52216	0,009020	-0,490721	0,244452	0,089580	0,197456	8,302119	85,812328	0,09285	0,28123	91,90
36	1,176446	210,443	237,78	3,080490	3,49422	0,003432	-0,560556	0,223672	0,142636	0,324995	12,874898	87,633679	*****	*****	*****
37	1,162578	133,349	192,80	1,744980	4,07711	0,007484	-0,597006	0,265194	0,108395	0,214126	9,586783	86,060586	0,10767	0,37575	95,82
38	0,932834	107,786	84,12	1,060287	1,14117	0,009314	-0,517499	0,222549	0,096769	0,202092	9,517250	85,707193	0,09547	0,39630	95,84
39	0,956589	129,787	166,31	1,216310	3,23301	0,007484	-0,377681	0,234756	0,083462	0,214572	8,075940	84,581497	0,08760	0,34505	92,37
40	0,767421	87,918	104,72	0,653423	1,23943	0,011373	-0,624711	0,279528	0,108225	0,198763	9,406961	86,400520	0,11110	0,24330	88,87
41	0,752182	89,078	73,38	0,767184	0,98577	0,011144	-0,350235	0,285419	0,096165	0,211525	8,437245	86,193791	0,10432	0,24048	85,28
42	0,827384	119,443	158,61	0,894541	1,70804	0,008203	-0,301934	0,192831	0,125228	0,213803	11,533397	85,154897	0,10137	0,47046	97,19
43	0,855119	152,716	165,71	1,332063	2,31651	0,006798	-0,566557	0,222251	0,103912	0,211825	9,072467	84,466363	0,09471	0,30824	91,86
44	0,585724	118,716	102,76	0,729094	0,79178	0,007876	-0,214520	0,180946	0,066563	0,129249	9,401530	88,938552	0,06937	0,22402	95,23
45	2,118614	174,424	447,93	5,603687	10,18259	0,005164	-0,411209	0,237062	0,132239	0,371080	8,907036	80,059887	0,10927	0,39557	83,24
46	4,165697	331,861	401,76	14,11224	26,04682	0,002026	-5,465558	0,448561	0,252366	0,428431	10,444792	85,667194	0,19690	1,16765	97,04
47	2,003101	220,824	448,28	5,414395	7,55021	0,004412	-0,911672	0,172765	0,090342	0,317847	8,408502	83,360506	0,07726	0,93659	95,42
48	1,831067	127,051	281,05	4,030676	5,58508	0,008203	-0,434359	0,309242	0,150216	0,412188	9,441119	80,782730	0,14158	0,90900	95,77
49	2,149620	310,797	379,55	7,907699	7,77392	0,002680	-0,974953	0,155605	0,168457	0,324915	11,337205	83,569363	0,11382	1,63149	98,66
50	0,806253	95,164	90,11	1,209161	0,85245	0,010556	-0,295380	0,222910	0,068694	0,203370	7,547669	82,428403	0,07729	0,23930	82,93
51	1,184955	138,352	174,81	3,041790	3,40000	0,006798	-0,425299	0,477007	0,195272	0,267005	10,019753	87,806051	0,19235	0,46548	97,07
52	1,420320	131,621	277,39	2,832718	4,53674	0,007746	-0,467043	0,259656	0,183868	0,510375	11,473811	78,366781	0,14166	0,52602	82,04
53	1,170428	164,295	186,85	2,869760	2,85966	0,006013	-0,520643	0,288438	0,115628	0,251332	8,301490	84,043892	0,11296	0,38898	93,00
54	0,975980	127,701	161,27	1,690967	1,69707	0,007582	-0,424135	0,176975	0,086051	0,230197	9,409122	83,506319	0,07512	0,36003	91,79
55	3,015327	172,723	415,12	5,794503	16,18732	0,005556	-2,377479	0,451196	0,376016	0,655370	12,880743	78,049883	0,26309	0,86473	90,15
56	1,153594	147,189	324,84	2,102333	3,21299	0,006569	-0,343226	0,152595	0,063277	0,271974	9,351046	86,049144	0,06363	0,48376	92,11

Type	Locality	Family	Taxa	Direction	Molar	Orientation	Facet	Scan's Filename	Selection [0=not used/1=used in statistics/ 2=used its median]	Specimen	Table correspond.
Extant	Bialowieza-Poland (summer-spring)	Bovidae	<i>Bison bonasus</i>	lower	lm2	-	ptcd-db	Zinv-MRI-PAS-169-534.sur	1	MRI-PAS-169-534	57
				lower	lm2	-	ptcd-db	Zinv-MRI-PAS-169-536.sur	1	MRI-PAS-169-536	58
				lower	lm2	-	ptcd-db	Zinv-MRI-PAS-169-588.sur	1	MRI-PAS-169-588	59
				lower	lm2	-	ptcd-db	Zinv-MRI-PAS-169-613.sur	1	MRI-PAS-169-613	60
				lower	lm2	-	ptcd-db	Zinv-MRI-PAS-169-683-b-lm2-pro.sur	1	MRI-PAS-169-683-b	61
				lower	lm2	-	ptcd-db	Zinv-MRI-PAS-169-792-lm2-pro.sur	1	MRI-PAS-169-792	62
				lower	lm2	-	ptcd-db	Zinv-MRI-PAS-169-801-b-lm2-pro.sur	1	MRI-PAS-169-801-b	63
				lower	lm2	-	ptcd-db	Zinv-MRI-PAS-169-802.sur	1	MRI-PAS-169-802	64
				lower	lm2	-	ptcd-db	Zinv-MRI-PAS-169-815-b-lm2-pro.sur	1	MRI-PAS-169-815-b	65
				lower	lm2	-	ptcd-db	Zinv-MRI-PAS-169-830.sur	1	MRI-PAS-169-830	66
				lower	lm2	-	ptcd-db	Zinv-MRI-PAS-169-863-b-lm2-pro.sur	1	MRI-PAS-169-863-b	67
	lower	lm2	-	ptcd-db	Zinv-MRI-PAS-169-866.sur	1	MRI-PAS-169-866	68			
	Bauges - Alps	Bovidae	<i>Rupicapra rupicapra</i>	lower	lm2	sin	ptcd-db	Zinv-08-TSMEC-0001-lm2s-ptcd-db.sur	1	08-TSMEC-0001	69
				lower	lm2	sin	ptcd-db	Zinv-15-IS-8944-lm2s-ptcd-db.sur	1	15IS8944/(14-IS-8944)	70
				lower	lm2	sin	ptcd-db	Zinv-15-IS-2643-lm2s-ptcd-db.sur	1	15-IS-2643	71
				lower	lm2	dex	ptcd-db	Zinv-15-IS-2647-lm2d-ptcd-db.sur	1	15-IS-2647	72
				lower	lm2	sin	ptcd-db	Zinv-15-IS-8621-lm2s-ptcd-db.sur	1	15-IS-8621	73
				lower	lm2	sin	ptcd-db	Zinv-15-IS-8638-lm2s-ptcd-db.sur	1	15-IS-8638	74
				lower	lm2	sin	ptcd-db	Zinv-15-IS-8878-lm2s-ptcd-db.sur	1	15-IS-8878	75
lower				lm2	sin	ptcd-db	Zinv-15-IS-8884-lm2s-ptcd-db.sur	1	15-IS-8884	76	
lower				lm2	sin	ptcd-db	Zinv-15-IS-8885-lm2s-ptcd-db.sur	1	15-IS-8885	77	
lower				lm2	sin	ptcd-db	Zinv-15-IS-8891-lm2s-ptcd-db.sur	1	15-IS-8891	78	
lower				lm2	dex	ptcd-db	Zinv-15-IS-8892-lm2d-ptcd-db.sur	1	15-IS-8892	79	
lower				lm2	sin	ptcd-db	Zinv-15-IS-8911-lm2s-ptcd-db.sur	1	15-IS-8911	80	
lower				lm2	sin	ptcd-db	Zinv-15-IS-8913-lm2s-ptcd-db.sur	1	15-IS-8913	81	
lower	lm2	sin	ptcd-db	Zinv-15-IS-8915-lm2s-ptcd-db.sur	1	15-IS-8915	82				
lower	lm2	sin	ptcd-db	Zinv-15-IS-8929-lm2s-ptcd-db.sur	1	15-IS-8929	83				
lower	lm2	sin	ptcd-db	Zinv-15-IS-8932-lm2s-ptcd-db.sur	1	15-IS-8932	84				

Table correspond.	Scale Sensitive Fractal Analyses (SSFA)						Volume Scale - Filling 3D Square			Disparities of parameters		
	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax) /epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (HAsfc36/H36)	HAsfc81 (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftfv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
57	1,210458	0,999329	0,407704	0,004692	0,375409	0,673603	0,937055	33828,315	54839,100	0,283656	0,416738	0,093058
58	2,273401	0,999365	0,407704	0,003164	0,350794	0,583151	0,794056	33610,972	57627,754	0,108974	0,104152	0,099503
59	3,274518	0,999876	0,407704	0,001047	0,654903	1,187228	1,484819	23283,401	37755,376	0,375816	0,605949	0,466602
60	2,379186	0,999686	0,673960	0,004916	0,338404	0,559469	0,702526	36104,605	59720,649	0,140779	0,455337	0,027938
61	3,931806	0,999880	0,133128	0,000344	0,303170	0,398795	0,622471	43313,346	60731,152	0,518850	1,026674	0,154098
62	2,090432	0,999760	0,532512	0,006235	0,387730	0,501571	0,584545	41101,902	63757,025	0,051455	0,656607	0,101693
63	1,322457	0,999571	1,198152	0,006040	0,261191	0,535284	0,571067	39434,063	61508,449	0,234230	0,629284	0,060270
64	1,393606	0,997703	2,130048	0,003905	0,314391	0,576463	0,818297	42599,650	59167,167	0,204055	0,267931	0,137484
65	1,597604	0,999208	1,006780	0,003447	0,326819	0,528104	0,599190	18504,296	38502,175	0,122266	0,169906	0,696329
66	0,724362	0,999730	0,532512	0,008108	0,251876	0,319120	0,422477	34155,425	53326,991	0,531999	0,886829	0,083435
67	2,587839	0,999888	0,133128	0,002195	0,522771	0,748927	1,092845	55049,945	75255,722	0,200694	0,160737	0,393873
68	4,821940	0,998940	1,872112	0,001889	0,907334	1,836823	2,165229	56508,774	75292,982	0,684778	0,261413	0,420028
69	1,270903	0,999226	0,299538	0,005879	0,307439	0,374914	0,474633	10019,316	28965,844	0,131125	0,268152	1,353536
70	1,815642	0,999668	0,299538	0,004440	0,205454	0,312676	0,467249	10125,905	36108,333	0,083888	0,033458	1,342955
71	1,379128	0,999751	0,532512	0,003700	0,550693	0,428416	0,566016	52855,029	72099,884	0,084569	0,112759	0,309421
72	0,849086	0,999574	0,208012	0,004185	0,397476	0,733678	1,249098	32509,484	47028,259	0,336611	0,014551	0,176588
73	1,695978	0,999820	0,673960	0,006709	0,151978	0,311240	0,446626	38371,357	57358,022	0,040458	0,382067	0,010813
74	3,379581	0,999905	0,133128	0,003858	0,410327	0,707576	0,966657	35336,943	55626,231	0,525650	0,079694	0,093193
75	1,527125	0,999604	0,299538	0,004265	0,271575	0,483810	0,880377	45365,934	63835,830	0,024220	0,000760	0,156633
76	1,007538	0,999418	0,673960	0,006832	0,327185	0,633890	0,709138	47498,197	66982,772	0,254394	0,397897	0,202562
77	2,487348	0,999323	0,299538	0,004261	0,265292	0,534423	0,716108	37838,908	50772,704	0,297839	0,000000	0,024786
78	1,667194	0,999397	0,407704	0,004577	0,205619	0,440715	0,599935	47669,276	68073,481	0,029724	0,058330	0,206158
79	1,123683	0,999710	0,532512	0,007281	0,232259	0,341236	0,481354	52005,500	71710,399	0,198151	0,453643	0,293218
80	0,792814	0,999801	0,208012	0,005178	0,386667	0,419925	0,530158	38168,211	58660,199	0,367516	0,160673	0,016121
81	1,616570	0,999539	0,532512	0,005102	0,499572	0,604213	0,855590	49290,988	69195,524	0,010562	0,148295	0,239611
82	1,589080	0,999664	0,299538	0,003806	0,299814	0,519022	0,663964	33960,968	52206,605	0,000000	0,090456	0,132909
83	1,329075	0,998504	0,299538	0,001750	0,306500	0,542904	0,940409	38788,529	57112,009	0,105831	0,648720	0,000000
84	2,315717	0,999233	0,299538	0,000794	0,256946	0,339231	0,603474	38832,464	61408,400	0,247371	1,075873	0,001132

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Sq <μm>		Ssk <no unit>		Sku <no unit>		Sp<μm>		Sv<μm>		Sz<μm>		Sa<μm>		Smr (c = 1.00 μm below highest peak) <%>		Smc (p = 10.0%) <μm>		Sxp (p = 50.0%, q = 97.5%) <μm>		Sal (s = 0.300) <μm>		Sal #1 (s = 0.400) <μm>		Sal #2 (s = 0.500) <μm>		Str (s = 0.300) <no unit>		Str #1 (s = 0.400) <no unit>	
57	0,13307	-2,09949	21,13140	0,44411	2,77794	3,22205	0,09718	99,69289	0,14244	0,31232	3,24639	2,75765	2,30364	0,33801	0,45143															
58	0,17772	-4,98157	74,76268	0,75059	4,21009	4,96068	0,11387	93,92541	0,15987	0,40038	2,97027	2,50993	2,08111	0,61614	0,65484															
59	0,31021	-2,18653	12,51715	1,57795	3,63243	5,21038	0,19069	1,25711	0,25227	0,94542	4,54339	3,82606	3,20450	0,78612	0,81331															
60	0,22383	-2,28757	16,96442	0,73878	2,77662	3,51541	0,15534	90,22963	0,20943	0,60887	3,36183	2,90275	2,50097	0,15246	0,23194															
61	0,22912	-1,80661	8,54528	0,98356	2,37059	3,35415	0,15400	69,41112	0,20882	0,68151	3,69157	3,07311	2,55152	0,92405	0,91937															
62	0,21687	-1,02129	7,06368	0,89388	1,96433	2,85822	0,16179	73,90177	0,23150	0,50800	3,71216	3,15602	2,66678	0,17899	0,47266															
63	0,18604	-1,22535	5,48749	0,68400	1,70591	2,38990	0,13620	92,68099	0,18512	0,52187	3,83825	3,31371	2,82445	0,39578	0,50049															
64	0,19979	-2,05052	15,57319	0,58290	2,64287	3,22578	0,14141	96,54732	0,19818	0,50934	4,37811	3,75274	3,17992	0,65657	0,72105															
65	0,17405	-2,61798	24,29819	0,53730	3,09405	3,63136	0,12089	97,99583	0,15806	0,46545	3,38504	2,85311	2,39214	0,69267	0,70998															
66	0,13417	-0,99431	6,31303	0,46255	1,10929	1,57184	0,10157	99,58933	0,14794	0,30882	3,46159	2,96968	2,54192	0,20942	0,23251															
67	0,20042	-2,54269	14,30749	0,69810	4,28267	4,98077	0,12648	93,28028	0,15884	0,62263	3,64788	3,11484	2,62553	0,78921	0,80417															
68	0,33213	-4,84262	69,83512	2,53218	5,77927	8,31145	0,18404	0,15692	0,24095	0,53291	2,87108	2,47207	2,11252	0,53805	0,56123															
69	0,10278	-1,08641	8,34203	0,40394	1,70972	2,11365	0,07791	99,95259	0,11377	0,24678	2,10141	1,78556	1,52114	0,25189	0,28545															
70	0,08612	-2,35948	21,83135	0,33365	1,74901	2,08266	0,06130	99,92441	0,08643	0,22091	1,47204	1,26202	1,08782	0,27699	0,34921															
71	0,19235	-1,23001	5,71882	0,63800	1,44578	2,08378	0,14161	94,82476	0,19186	0,53797	4,17776	3,54879	2,97985	0,36458	0,44774															
72	0,05606	-4,02546	67,95573	0,43593	1,65301	2,08894	0,03834	99,94202	0,05650	0,12079	1,86269	1,52339	1,27113	0,26123	0,30872															
73	0,18634	-1,00855	5,07067	0,63273	1,51270	2,14543	0,14031	95,37977	0,20308	0,48443	3,39625	2,87466	2,43029	0,24744	0,31627															
74	0,24813	-3,26429	24,81116	1,19912	2,73804	3,93716	0,14190	7,44616	0,17518	0,63786	3,64289	3,09054	2,59363	0,40554	0,49749															
75	0,13823	-2,28274	13,22356	0,37604	1,75930	2,13534	0,09243	99,33559	0,12759	0,38118	3,31079	2,78212	2,28905	0,38768	0,42369															
76	0,15971	-1,32083	7,54011	0,47920	2,01857	2,49777	0,11635	98,99886	0,16771	0,41595	3,66910	3,19123	2,71294	0,20318	0,23544															
77	0,12450	-3,32390	37,69096	0,35563	2,70029	3,05592	0,08406	99,70522	0,12131	0,29558	2,17416	1,78949	1,48531	0,25125	0,30790															
78	0,14109	-2,58471	20,67223	0,48993	1,80442	2,29435	0,09454	99,11587	0,13163	0,35192	2,71675	2,29549	1,92859	0,28492	0,30147															
79	0,11726	-1,26359	6,52458	0,36566	0,85137	1,21703	0,08606	99,90477	0,12317	0,30590	2,40494	2,06468	1,74113	0,14361	0,20426															
80	0,06655	-1,30196	8,71641	0,36379	0,92899	1,29278	0,04806	99,99696	0,07331	0,16070	2,20310	1,82563	1,52213	0,31367	0,37107															
81	0,16912	-1,73294	10,97653	0,71059	1,85296	2,56354	0,11827	94,63036	0,16267	0,45148	3,50129	2,98920	2,52259	0,32579	0,38304															
82	0,17400	-1,03903	5,61265	0,54781	1,55339	2,10119	0,13044	98,17096	0,18818	0,42808	3,75377	3,19933	2,69934	0,48660	0,51172															
83	0,10742	-2,55149	23,91767	0,44397	1,95943	2,40340	0,07370	99,73102	0,10638	0,25665	2,53378	2,09309	1,70859	0,30218	0,34978															
84	0,13301	-2,51129	18,12793	0,55539	2,01090	2,56629	0,08786	98,58307	0,12119	0,35598	2,45329	2,00109	1,64611	0,46954	0,50574															

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Str #2 (s = 0.500) <no unit>	Std (Reference angle = 0.00°)	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vv (p = 10.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vmp (p = 10.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vmc (p = 10.0%, q = 80.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vvc (p = 10.0%, q = 80.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vvw (p = 80.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Spd (pruning = 5.00%) <1/ $\mu\text{m}^2$ >	Spc (pruning = 5.00%) <1/ $\mu\text{m}^2$ >	S10z (pruning = 5.00%) < $\mu\text{m}$ >	S5p (pruning = 5.00%) < $\mu\text{m}$ >
57	0,52377	77,749	0,119216	0,548717	0,004080	0,146525	0,004080	0,105842	0,125487	0,021038	0,002255	0,601730	2,142624	0,404922
58	0,66490	87,495	0,176486	1,067733	0,005665	0,165535	0,005665	0,115620	0,135832	0,029703	0,001242	0,782417	2,978513	0,520476
59	0,83914	176,496	0,251615	2,147346	0,015435	0,267702	0,015435	0,148096	0,195641	0,072061	0,001471	0,935446	3,956612	1,342119
60	0,43527	47,736	0,183681	1,218257	0,007714	0,217147	0,007714	0,159490	0,175753	0,041394	0,001863	0,328699	2,659557	0,626764
61	0,91270	16,746	0,216861	1,916364	0,008587	0,217403	0,008587	0,140781	0,165658	0,051745	0,004183	0,555797	2,651850	0,731993
62	0,53571	86,500	0,158570	1,095367	0,009493	0,240992	0,009493	0,176927	0,208047	0,032945	0,003889	0,680685	2,296654	0,774927
63	0,56437	129,986	0,124445	0,713329	0,006487	0,191604	0,006487	0,142772	0,154542	0,037062	0,004052	0,768693	1,737217	0,582011
64	0,77155	99,498	0,142359	0,776284	0,007193	0,205376	0,007193	0,148267	0,170665	0,034712	0,002713	0,482567	2,240309	0,556159
65	0,71726	171,000	0,144821	0,812043	0,005517	0,163573	0,005517	0,126282	0,130444	0,033129	0,001928	0,537954	2,014356	0,499222
66	0,26510	47,248	0,090385	0,397827	0,005302	0,153247	0,005302	0,113312	0,133378	0,019868	0,007157	0,695035	1,163005	0,434745
67	0,81880	61,741	0,175335	1,243638	0,007480	0,166323	0,007480	0,107100	0,121082	0,045241	0,000784	0,692424	2,901255	0,641387
68	0,58429	77,752	0,349355	2,469443	0,020825	0,261776	0,020825	0,176285	0,215339	0,046437	0,001144	1,238675	6,244719	1,836643
69	0,32185	120,258	0,107359	0,535974	0,003683	0,117456	0,003683	0,086257	0,101719	0,015736	0,004314	0,155390	1,564676	0,336486
70	0,41660	93,499	0,120130	0,663819	0,002506	0,088934	0,002506	0,065207	0,073828	0,015106	0,003301	0,262782	1,650730	0,288544
71	0,50050	58,252	0,127552	0,760744	0,007151	0,199015	0,007151	0,151284	0,163582	0,035433	0,003791	0,264069	1,729572	0,576836
72	0,38662	50,500	0,077656	0,264898	0,001916	0,058418	0,001916	0,040760	0,050013	0,008405	0,001307	0,532441	1,490790	0,340385
73	0,35810	129,240	0,135080	0,859748	0,006545	0,209624	0,006545	0,153752	0,178238	0,031387	0,004347	0,267346	1,832316	0,541716
74	0,54961	163,504	0,208164	1,744083	0,012418	0,187601	0,012418	0,118397	0,138931	0,048670	0,001896	0,863326	3,534020	1,143767
75	0,44567	137,249	0,119401	0,652227	0,004605	0,132196	0,004605	0,089265	0,104558	0,027638	0,002745	0,371941	1,816457	0,353826
76	0,26017	129,750	0,099445	0,467412	0,005920	0,173631	0,005920	0,120143	0,144567	0,029064	0,001797	0,192959	1,757817	0,432317
77	0,40319	143,754	0,153427	0,931575	0,003897	0,125210	0,003897	0,087731	0,104365	0,020845	0,001634	0,236385	2,523957	0,312125
78	0,32477	120,754	0,122865	0,709755	0,005237	0,136867	0,005237	0,094049	0,111367	0,025500	0,002811	0,286687	1,768353	0,404922
79	0,25040	60,512	0,103530	0,525935	0,004231	0,127405	0,004231	0,092041	0,106779	0,020626	0,008072	0,229613	1,135050	0,346583
80	0,43415	120,002	0,075853	0,283239	0,002625	0,075937	0,002625	0,050108	0,065023	0,010915	0,007517	0,260459	0,947080	0,292015
81	0,43046	103,504	0,128926	0,744755	0,007136	0,169809	0,007136	0,121098	0,139274	0,030535	0,002288	0,340992	2,134067	0,554829
82	0,53448	124,000	0,125562	0,740954	0,006394	0,194570	0,006394	0,142496	0,165689	0,028880	0,004379	0,243096	1,748592	0,518721
83	0,40341	106,745	0,114752	0,559748	0,003836	0,110220	0,003836	0,075304	0,091851	0,018369	0,003072	0,450893	1,986897	0,344292
84	0,53486	95,000	0,143926	0,931081	0,004773	0,125967	0,004773	0,084056	0,099934	0,026034	0,002745	0,328330	2,083989	0,484383

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm²>	Sha (pruning = 5.00%) <μm²>	Sdv (pruning = 5.00%) <μm³>	Shv (pruning = 5.00%) <μm³>	Svd (pruning = 5.00%) <1/μm²>	Svc (pruning = 5.00%) <1/μm²>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>	Spq <no unit>	Svq <no unit>	Smq <no unit>
57	1,737703	243,548	385,64	5,084116	5,87189	0,003856	-0,507909	0,278961	0,076946	0,212620	7,478174	85,618226	0,09226	0,32653	91,31
58	2,458037	312,408	771,91	9,064351	26,31688	0,003399	-0,639332	0,295129	0,113414	0,313110	8,045486	84,557212	0,11781	0,74953	97,09
59	2,614493	197,368	331,36	8,053648	14,51541	0,004052	-1,076795	0,298563	0,298952	0,724173	14,299032	80,342591	0,19920	0,90278	87,92
60	2,032793	186,367	521,55	3,982554	11,32812	0,004902	-0,642771	0,366102	0,155118	0,418016	8,156979	81,623852	0,15887	1,79438	99,03
61	1,919857	108,977	229,40	3,315543	5,37609	0,008464	-0,756647	0,288327	0,171817	0,517588	12,691950	80,181311	0,14455	0,52604	82,03
62	1,521727	154,644	216,85	4,206531	5,39601	0,006373	-0,519525	0,462153	0,193890	0,328761	7,650976	85,532446	0,18421	0,62667	95,99
63	1,155206	160,360	251,11	3,541496	3,38512	0,005883	-0,370055	0,319763	0,129240	0,366319	8,482090	80,994595	0,12632	0,33302	74,45
64	1,684150	219,709	363,12	6,637343	8,81594	0,004379	-0,502754	0,360090	0,143076	0,351064	8,428438	83,203839	0,15022	1,30341	98,69
65	1,515134	179,398	400,10	6,606315	6,86752	0,005360	-0,321525	0,261146	0,110767	0,331286	8,287981	79,292291	0,10917	0,59180	93,95
66	0,728259	142,294	122,25	1,405835	1,27784	0,006863	-0,268302	0,291034	0,103732	0,197393	7,934655	85,292443	0,10773	0,33604	93,15
67	2,259868	223,253	876,01	8,732691	17,64016	0,004249	-1,119761	0,225666	0,148841	0,455152	10,658386	80,242165	0,11990	0,62837	88,60
68	4,408077	407,587	363,72	21,37049	15,26581	0,001634	-2,113106	0,419239	0,409780	0,476160	10,423531	83,030388	0,23442	4,46147	99,09
69	1,228191	135,415	248,08	1,407051	5,05848	0,007386	-0,476595	0,230463	0,072597	0,156348	7,094022	86,159639	0,07839	0,21893	91,12
70	1,362187	89,136	244,36	1,241225	3,42505	0,011210	-0,501332	0,162100	0,047484	0,152858	7,420356	83,646048	0,05442	0,17207	82,93
71	1,152736	109,945	255,21	2,137460	4,71889	0,009020	-0,616817	0,333265	0,142635	0,354208	8,446131	80,672195	0,13712	0,37395	80,65
72	1,150405	202,784	432,90	1,995261	6,43251	0,003628	-0,876896	0,110738	0,037628	0,088900	8,041615	86,784921	0,04548	0,79440	99,56
73	1,290600	126,289	215,83	2,167653	3,65904	0,007484	-0,521654	0,376457	0,128501	0,313350	8,442421	83,691762	0,14187	0,32018	79,62
74	2,390253	128,228	450,63	3,183306	8,45640	0,006863	-1,320141	0,260910	0,242337	0,496674	10,679388	81,079205	0,15644	1,21867	94,67
75	1,462631	121,296	299,01	1,847562	4,14057	0,007255	-0,594121	0,209543	0,091632	0,283487	9,741784	82,387597	0,08915	0,47657	91,96
76	1,325501	272,007	616,47	5,257485	17,65074	0,003530	-0,638319	0,311174	0,116102	0,293091	8,607222	84,547679	0,11872	0,28071	80,26
77	2,211832	122,936	562,51	1,917798	15,62385	0,006111	-1,380222	0,223645	0,075867	0,216724	8,480365	84,681160	0,09184	1,24745	99,16
78	1,363431	106,503	379,58	1,288084	6,34090	0,008497	-0,468645	0,237405	0,105332	0,268033	8,598360	84,208171	0,10145	0,94529	98,20
79	0,788467	79,803	121,75	0,652229	1,28367	0,012811	-0,357837	0,221166	0,083564	0,204966	8,904664	82,929867	0,08728	0,29056	90,37
80	0,655065	87,397	135,27	0,694254	1,37719	0,011471	-0,369355	0,132441	0,052851	0,113982	10,382492	86,229616	0,05447	0,24671	96,85
81	1,579238	170,784	404,74	3,483990	6,37634	0,005327	-0,831633	0,284046	0,143128	0,309641	9,146796	82,399655	0,12805	0,73642	97,13
82	1,229871	137,427	245,03	1,514606	4,33106	0,007125	-0,673316	0,361555	0,126534	0,280385	7,874677	84,164173	0,13621	0,41575	91,92
83	1,642605	191,326	299,21	2,003235	5,87505	0,004510	-0,906895	0,198425	0,076185	0,193827	8,587006	85,485338	0,07741	0,39366	95,51
84	1,599605	84,794	314,90	1,823400	4,83556	0,010785	-0,586114	0,202383	0,095623	0,269680	9,636460	82,975341	0,09135	0,46189	93,14

Type	Locality	Family	Taxa	Direction	Molar	Orientation	Facet	Scan's Filename	Selection [0=not used/1=used in statistics/ 2=used its median]	Specimen	Table correspond.
Extant	Bauges - Alps	Bovidae	<i>Rupicapra rupicapra</i>	lower	lm2	sin	ptcd-db	Zinv-15-IS-8934-lm2s-ptcd-db.sur	1	15-IS-8934	85
				lower	lm2	sin	ptcd-db	Zinv-15-IS-8939-lm2s-ptcd-db.sur	1	15-IS-8939	86
				lower	lm2	sin	ptcd-db	Zinv-15-IS-8940-lm2s-ptcd-db.sur	1	15-IS-8940	87
				lower	lm2	sin	ptcd-db	Zinv-15-IS-8943-lm2s-ptcd-db.sur	1	15-IS-8943	88
				lower	lm2	sin	ptcd-db	Zinv-15-IS-8960-lm2s-ptcd-db.sur	1	15-IS-8960	89
			lower	lm2	dex	ptcd-db	Zinv-08-MO-MEC-0007-lm2d-ptcd-db.sur	1	08-MO-MEC-0007	90	
			lower	lm2	dex	ptcd-db	Zinv-08-MO-MEC-0008-lm2d-ptcd-db.sur	1	08-MO-MEC-0008	91	
			lower	lm2	sin	ptcd-db	Zinv-08-MO-MEC-0010-lm2s-ptcd-db.sur	1	08-MO-MEC-0010	92	
			lower	lm2	dex	ptcd-db	Zinv-08-MO-MEC-0013-lm2d-ptcd-db.sur	1	08-MO-MEC-0013	93	
			lower	lm2	sin	ptcd-db	Zinv-08-MO-MEC-0015-lm2s-ptcd-db.sur	1	08-MO-MEC-0015	94	
			lower	lm2	sin	ptcd-db	Zinv-08-MO-MEC-0017-lm2s-ptcd-db.sur	1	08-MO-MEC-0017	95	
			lower	lm2	sin	ptcd-db	Zinv-08-MO-MEC-0018-lm2s-ptcd-db.sur	1	08-MO-MEC-0018	96	
			lower	lm2	sin	ptcd-db	Zinv-08-MO-MEC-0020-lm2s-ptcd-db.sur	1	08-MO-MEC-0020	97	
			lower	lm2	sin	ptcd-db	Zinv-08-MO-MEC-0021-lm2s-ptcd-db.sur	1	08-MO-MEC-0021	98	
			lower	lm2	sin	ptcd-db	Zinv-08-MO-MEC-0022-lm2s-ptcd-db.sur	1	08-MO-MEC-0022	99	
			lower	lm2	sin	ptcd-db	Zinv-08-MO-MEC-0024-lm2s-ptcd-db.sur	1	08-MO-MEC-0024	100	
			lower	lm2	sin	ptcd-db	Zinv-08-MO-MEC-0025-lm2s-ptcd-db.sur	1	08-MO-MEC-0025	101	
			lower	lm2	sin	ptcd-db	Zinv-15-MO-8832-lm2s-ptcd-db.sur	1	15-MO-8832	102	
			lower	lm2	sin	ptcd-db	Zinv-15-MO-8833-lm2s-ptcd-db.sur	1	15-MO-8833	103	
			lower	lm2	sin	ptcd-db	Zinv-15-MO-8837-lm2s-ptcd-db.sur	1	15-MO-8837	104	
			lower	lm2	sin	ptcd-db	Zinv-15-MO-8841-lm2s-ptcd-db.sur	1	15-MO-8841	105	
			lower	lm2	sin	ptcd-db	Zinv-15-MO-8843-lm2s-ptcd-db.sur	1	15-MO-8843	106	
			lower	lm2	sin	ptcd-db	Zinv-15-MO-8845-lm2s-ptcd-db.sur	1	15-MO-8845	107	
			lower	lm2	sin	ptcd-db	Zinv-15-MO-8847-lm2s-ptcd-db.sur	1	15-MO-8847	108	
			lower	lm2	sin	ptcd-db	Zinv-15-MO-8849-lm2s-ptcd-db.sur	1	15-MO-8849	109	
			lower	lm2	sin	ptcd-db	Zinv-15-MO-8851-lm2s-ptcd-db.sur	1	15-MO-8851	110	
			lower	lm2	dex	ptcd-db	Zinv-15-MO-8857-lm2d-ptcd-db.sur	1	15-MO-8857	111	

Table correspond.	Scale Sensitive Fractal Analyses (SSFA)						Volume Scale - Filling 3D Square			Disparities of parameters		
	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax) /epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (HAsfc36/H36)	HAsfc81 (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftfv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
85	1,287035	0,998867	0,299538	0,002643	0,194410	0,480307	0,743813	41859,533	60528,461	0,124046	0,367514	0,076193
86	1,854946	0,999569	0,299538	0,003979	0,333853	0,716198	0,916179	8846,843	32842,253	0,097750	0,055092	1,477977
87	0,650873	0,988251	0,532512	0,005635	1,035709	1,222415	1,399936	26647,118	45824,098	0,449998	0,232038	0,375432
88	3,430888	0,999346	0,532512	0,004120	0,606630	0,910383	1,560061	43862,184	61802,376	0,537297	0,027167	0,122925
89	4,550680	0,999522	0,832050	0,000514	0,883287	1,535959	3,028769	39707,564	58839,155	0,762618	1,245566	0,023417
90	2,010224	0,999781	0,407704	0,001170	0,503405	0,625227	0,863001	34291,751	56437,613	0,039612	0,572044	0,003529
91	3,348856	0,999506	0,407704	0,003139	0,336149	0,438110	0,426880	25049,634	45293,036	0,407510	0,073683	0,317564
92	1,780946	0,999838	0,208012	0,002837	0,205058	0,406307	0,954374	1065,885	23522,377	0,039612	0,002081	3,473720
93	1,502990	0,999336	0,407704	0,007364	0,185239	0,357168	0,525223	15881,683	32809,262	0,144917	0,777165	0,773234
94	2,834826	0,999604	0,673960	0,005197	0,504552	0,453684	0,557791	27146,157	46458,861	0,281721	0,477294	0,237191
95	2,622129	0,999784	0,532512	0,000958	0,397649	0,827683	1,354961	55256,270	75065,138	0,224659	0,674848	0,473537
96	2,766593	0,999656	1,198152	0,002751	0,265862	0,550537	0,783158	36637,547	54607,089	0,263768	0,024749	0,062638
97	1,568006	0,998606	0,407704	0,002853	0,379629	0,432952	0,500434	31646,252	45383,351	0,119273	0,002081	0,083812
98	2,029599	0,999602	0,299538	0,001180	0,362703	0,489467	0,609420	31841,559	51502,291	0,046027	0,567447	0,077660
99	1,532022	0,999670	0,299538	0,004189	0,393613	0,450291	0,611144	6715,074	28998,835	0,133385	0,299770	1,633960
100	1,321710	0,999391	0,208012	0,001689	0,433205	0,494287	0,667779	34534,665	55836,779	0,220099	0,357602	0,003529
101	0,814350	0,999743	0,407704	0,006639	0,261055	0,592141	0,725949	25048,291	47358,166	0,466676	0,686495	0,317618
102	2,497980	0,999959	0,299538	0,002226	0,262207	0,507618	0,883020	52733,612	73663,816	0,189783	0,175528	0,426809
103	3,771826	0,999910	0,532512	0,002177	0,296240	0,428652	0,598278	45893,724	69749,449	0,500326	0,190834	0,287887
104	2,816861	0,999262	0,407704	0,002799	0,347446	0,395398	0,464417	31519,957	51047,302	0,277026	0,012034	0,087811
105	1,752828	0,999782	0,299538	0,005490	0,498345	0,724713	0,875255	43273,933	65510,399	0,049774	0,523491	0,229110
106	2,355045	0,999365	0,208012	0,000649	0,297288	0,450417	0,649578	35142,623	52617,572	0,148062	0,846602	0,020980
107	1,019303	0,999607	0,208012	0,008784	0,177399	0,362580	0,617294	41925,859	57950,319	0,359650	0,933977	0,197463
108	3,202297	0,999720	0,299538	0,002861	0,382702	0,486812	0,510890	49720,741	69527,273	0,373228	0,004155	0,367979
109	1,005968	0,999864	0,299538	0,009935	0,151598	0,350916	0,527887	62871,875	84869,145	0,366276	1,045197	0,602652
110	0,715290	0,999866	0,208012	0,002793	0,271181	0,361550	0,577572	33061,640	50094,021	0,522821	0,013614	0,040059
111	1,126146	0,999663	0,299538	0,005046	0,325515	0,427907	0,700080	34747,842	54071,776	0,308092	0,452625	0,009683

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Sq <μm>		Ssk <no unit>		Sku <no unit>		Sp<μm>		Sv<μm>		Sz<μm>		Sa<μm>		Smr (c = 1.00 μm below highest peak) <%>		Smc (p = 10.0%) <μm>		Sxp (p = 50.0%, q = 97.5%) <μm>		Sal (s = 0.300) <μm>		Sal #1 (s = 0.400) <μm>		Sal #2 (s = 0.500) <μm>		Str (s = 0.300) <no unit>		Str #1 (s = 0.400) <no unit>	
85	0,12097	-2,72861	18,48190	0,35735	1,77527	2,13263	0,07648	99,72936	0,10235	0,36650	3,00926	2,54773	2,12846	0,46369	0,50398															
86	0,15347	-2,71129	19,48937	0,60099	2,36391	2,96490	0,08972	97,13067	0,12081	0,45091	3,32646	2,77518	2,26965	0,40166	0,44938															
87	0,10778	-2,71425	35,84019	0,30054	2,54034	2,84088	0,07228	99,94076	0,10430	0,27655	3,52561	3,03616	2,59856	0,24294	0,28634															
88	0,17812	-8,59686	108,5547	0,93747	3,40879	4,34626	0,06362	91,35914	0,07732	0,16252	2,19177	1,85670	1,57104	0,78611	0,81409															
89	0,39052	-10,3990	198,9697	3,07215	11,82709	14,8992	0,13883	0,14254	0,17194	0,33262	3,18532	2,61006	2,10911	0,75178	0,75943															
90	0,14194	-2,23898	13,43084	0,63612	1,39670	2,03282	0,09169	97,29734	0,12304	0,40245	2,95585	2,43919	2,01239	0,67273	0,69166															
91	0,17019	-2,59436	22,05718	0,78588	2,23903	3,02491	0,11247	93,23426	0,15832	0,37397	3,18151	2,44781	1,84121	0,50451	0,49710															
92	0,09974	-2,99119	19,55115	0,27984	1,79519	2,07503	0,06331	99,86666	0,08689	0,28701	2,30556	1,93483	1,60293	0,37109	0,47794															
93	0,12690	-1,44950	8,01057	0,36254	1,44751	1,81005	0,09061	99,88490	0,12309	0,35119	2,25786	1,94786	1,65720	0,06254	0,08117															
94	0,15887	-2,44306	19,53807	0,57997	1,97338	2,55335	0,10954	98,37093	0,15166	0,38171	2,42204	1,91259	1,57955	0,48382	0,45737															
95	0,19876	-3,13421	21,90564	0,80518	2,17913	2,98431	0,11354	91,51919	0,15217	0,55715	3,74302	3,14344	2,61593	0,84217	0,86690															
96	0,27422	-2,01745	10,44233	0,79470	2,32460	3,11931	0,19005	84,55982	0,25604	0,77730	4,26405	3,61677	2,99982	0,70343	0,72268															
97	0,08454	-1,91997	12,59378	0,27445	0,95393	1,22838	0,06071	99,96355	0,08603	0,20692	1,57086	1,31897	1,12764	0,41436	0,42882															
98	0,11612	-2,38572	13,70677	0,33077	1,66534	1,99611	0,07894	99,75184	0,10791	0,33112	2,24767	1,87419	1,57314	0,59591	0,61426															
99	0,09587	-1,87598	10,16825	0,33636	1,39225	1,72860	0,06751	99,96334	0,09188	0,26925	1,74601	1,49587	1,26914	0,46800	0,48023															
100	0,11275	-2,53487	21,22026	0,41992	1,67595	2,09587	0,07294	99,64519	0,10279	0,28599	3,18485	2,67941	2,19911	0,73370	0,75602															
101	0,10831	-0,91335	5,81170	0,32468	1,08365	1,40833	0,08347	99,95699	0,12336	0,25690	3,13550	2,64757	2,20684	0,18893	0,22443															
102	0,16651	-2,44491	15,94557	0,86776	2,00634	2,87410	0,10918	86,70373	0,15052	0,45642	3,29968	2,74981	2,25710	0,66816	0,69556															
103	0,25219	-2,03114	10,87852	1,11138	2,93158	4,04296	0,17095	33,06278	0,22911	0,73765	3,75157	3,15960	2,64551	0,77663	0,78612															
104	0,15913	-2,32942	15,18690	0,48379	2,02841	2,51220	0,10656	98,63034	0,14993	0,41642	3,03268	2,32983	1,80306	0,41687	0,41541															
105	0,21007	-1,05517	7,33709	0,89713	1,63310	2,53023	0,14553	77,87722	0,20054	0,56213	4,25384	3,70264	3,15293	0,20741	0,25275															
106	0,11572	-3,58394	29,41696	0,30687	2,64371	2,95057	0,07271	99,68916	0,09309	0,32815	2,33014	1,92322	1,58460	0,89723	0,89789															
107	0,11417	-0,55595	4,94513	0,41584	1,36194	1,77778	0,08834	99,95096	0,13458	0,25460	2,99045	2,56687	2,17183	0,10928	0,12573															
108	0,22885	-0,74416	4,26615	0,86227	1,52170	2,38397	0,17636	76,20160	0,25617	0,56255	5,00373	4,21507	3,38217	0,60354	0,65905															
109	0,11323	-1,04274	6,75328	0,45887	1,13962	1,59849	0,08415	99,83224	0,11804	0,28107	3,11274	2,66359	2,25362	0,30282	0,32709															
110	0,07931	-2,16714	14,99858	0,30806	1,02566	1,33373	0,05399	99,95132	0,07802	0,19521	2,71149	2,28038	1,90539	0,41568	0,46339															
111	0,10411	-2,44563	15,85075	0,36414	1,55362	1,91776	0,06856	99,77702	0,09527	0,28983	2,60567	2,22124	1,86916	0,20568	0,26346															

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Str #2 (s = 0.500) <no unit>	Std (Reference angle = 0.00°)	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) <μm³/μm²>	Vv (p = 10.0%) <μm³/μm²>	Vmp (p = 10.0%) <μm³/μm²>	Vmc (p = 10.0%, q = 80.0%) <μm³/μm²>	Vvc (p = 10.0%, q = 80.0%) <μm³/μm²>	Vvw (p = 80.0%) <μm³/μm²>	Spd (pruning = 5.00%) <1/μm²>	Spc (pruning = 5.00%) <1/μm²>	S10z (pruning = 5.00%) <μm>	S5p (pruning = 5.00%) <μm>
85	0,53536	103,002	0,109684	0,537292	0,004409	0,106756	0,004409	0,066403	0,080558	0,026198	0,002222	0,298444	1,813529	0,341215
86	0,49756	132,501	0,140979	0,827314	0,007963	0,128771	0,007963	0,067464	0,094938	0,033832	0,001078	0,404484	2,372990	0,571780
87	0,32644	103,250	0,077615	0,248800	0,004801	0,109102	0,004801	0,070379	0,089237	0,019866	0,000686	0,176715	1,640065	0,270727
88	0,82668	16,495	0,220029	1,551792	0,007070	0,084388	0,007070	0,044602	0,060464	0,023924	0,000327	0,782612	3,865052	0,700432
89	0,76764	143,755	0,499898	2,914644	0,017206	0,189143	0,017206	0,111000	0,145954	0,043189	0,000163	1,868199	11,689188	1,032049
90	0,70775	109,499	0,139967	0,892333	0,006122	0,129163	0,006122	0,082756	0,100804	0,028360	0,004477	0,339859	1,853385	0,539995
91	0,50970	122,749	0,172153	1,396762	0,007343	0,165661	0,007343	0,113582	0,137878	0,027784	0,006471	0,332743	2,226028	0,660446
92	0,56210	106,245	0,120694	0,646948	0,002652	0,089541	0,002652	0,058275	0,069158	0,020382	0,001961	0,527543	1,639144	0,252963
93	0,10236	95,748	0,122211	0,691117	0,005332	0,128420	0,005332	0,092371	0,104260	0,024160	0,003758	0,248715	1,563464	0,342559
94	0,45468	66,503	0,158685	1,188237	0,005784	0,157446	0,005784	0,114189	0,130156	0,027289	0,006373	0,242543	1,909988	0,538480
95	0,87487	30,752	0,171347	1,254055	0,009798	0,161971	0,009798	0,085479	0,119723	0,042248	0,002941	0,414258	2,676735	0,683220
96	0,72218	132,493	0,184008	1,529312	0,008372	0,264410	0,008372	0,190502	0,210119	0,054291	0,003399	0,332026	2,772361	0,706670
97	0,44884	83,993	0,107445	0,561587	0,002597	0,088629	0,002597	0,065147	0,074230	0,014400	0,013073	0,164746	1,145347	0,249096
98	0,64129	112,246	0,131921	0,808212	0,002916	0,110830	0,002916	0,078434	0,087986	0,022844	0,003660	0,234517	1,558303	0,274972
99	0,49346	95,256	0,114609	0,626841	0,002844	0,094722	0,002844	0,068678	0,076011	0,018711	0,004477	0,160581	1,306546	0,299097
100	0,75557	73,258	0,111152	0,567680	0,005282	0,108069	0,005282	0,070610	0,087322	0,020747	0,002941	0,345983	1,683688	0,401889
101	0,28095	123,746	0,087800	0,364649	0,003787	0,127144	0,003787	0,092557	0,110681	0,016463	0,006308	0,311027	1,306134	0,311608
102	0,71135	106,990	0,155717	1,065620	0,005968	0,156488	0,005968	0,104005	0,123535	0,032954	0,003170	0,419818	2,401674	0,567096
103	0,79496	94,002	0,203867	1,826912	0,008730	0,237840	0,008730	0,164145	0,186159	0,051680	0,002190	0,382539	3,163409	0,779283
104	0,41879	114,998	0,156954	1,125081	0,005721	0,155647	0,005721	0,104489	0,125610	0,030038	0,005719	0,267558	2,116562	0,463798
105	0,31845	97,250	0,133040	0,832782	0,012339	0,212880	0,012339	0,144957	0,175423	0,037458	0,004314	0,511745	2,089081	0,726646
106	0,89790	47,743	0,150139	0,955319	0,002554	0,095644	0,002554	0,066035	0,070989	0,024655	0,000359	0,605547	2,052088	0,253582
107	0,15132	114,253	0,095045	0,419168	0,005208	0,139790	0,005208	0,099837	0,124534	0,015255	0,003203	0,252831	1,449384	0,358546
108	0,67755	86,249	0,177289	1,471298	0,008912	0,265087	0,008912	0,198044	0,230037	0,035050	0,009902	0,491812	2,061440	0,715825
109	0,36518	11,003	0,093010	0,424588	0,004851	0,122889	0,004851	0,092003	0,104821	0,018068	0,005360	0,250337	1,279871	0,420868
110	0,50238	97,997	0,079122	0,296967	0,003065	0,081090	0,003065	0,054376	0,067130	0,013960	0,005229	0,258950	1,155357	0,254932
111	0,34762	86,243	0,105241	0,495994	0,003620	0,098886	0,003620	0,064075	0,078190	0,020695	0,003137	0,344374	1,573356	0,327591

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm²>	Sha (pruning = 5.00%) <μm²>	Sdv (pruning = 5.00%) <μm³>	Shv (pruning = 5.00%) <μm²>	Svd (pruning = 5.00%) <1/μm²>	Svc (pruning = 5.00%) <1/μm²>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>	Spq <no unit>	Svq <no unit>	Smq <no unit>
85	1,472313	127,330	397,84	1,521047	4,91686	0,007647	-0,544415	0,153143	0,088610	0,272471	10,838068	82,151903	0,07570	0,34222	87,89
86	1,801210	155,255	154,91	2,669057	4,02271	0,005556	-0,994747	0,151106	0,152481	0,355658	14,096676	82,256336	0,10784	0,52784	91,74
87	1,369337	436,587	926,80	6,701367	19,09174	0,001797	-0,934886	0,172009	0,097212	0,205720	10,863505	83,671006	0,08187	0,32816	93,78
88	3,164620	118,068	1046,6	3,935506	14,61645	0,003987	-2,208795	0,120583	0,135539	0,332552	10,869646	87,376401	*****	*****	*****
89	10,65714	267,208	17,49	13,53875	7,57096	0,001405	-13,24967	0,309896	0,351526	0,593895	9,664444	88,106544	0,13383	6,66314	98,96
90	1,313390	95,066	210,20	1,311716	3,65561	0,010556	-0,628169	0,205932	0,122874	0,304981	9,630460	83,793407	0,09883	0,50989	92,66
91	1,565583	87,348	132,77	1,867102	3,21582	0,011144	-0,551706	0,293826	0,150334	0,297501	8,777672	85,303569	0,13600	1,06406	97,82
92	1,386181	96,355	428,48	1,582777	4,66843	0,009412	-1,060383	0,145596	0,052358	0,218575	8,897470	83,756538	0,05591	0,37904	91,93
93	1,220905	80,322	240,37	0,949909	3,72340	0,011929	-0,517974	0,216281	0,107976	0,244044	8,740557	82,222136	0,09393	0,25120	82,79
94	1,371508	100,018	150,56	2,521690	3,62429	0,010164	-0,439795	0,281662	0,117494	0,277525	7,866329	83,509817	0,11637	1,12286	98,44
95	1,993515	156,449	285,07	3,081023	3,40343	0,006340	-0,764587	0,206650	0,189594	0,471001	12,917568	83,815027	0,12985	0,94545	94,66
96	2,065690	150,949	286,62	4,325691	11,15827	0,006471	-0,818238	0,421274	0,165333	0,546228	8,911507	80,839658	0,16844	0,86372	90,50
97	0,896250	45,174	77,82	0,543208	0,79276	0,022583	-0,309011	0,162519	0,050061	0,145423	7,470514	83,853254	0,05926	0,41811	97,31
98	1,283331	62,802	304,00	1,198087	4,20816	0,016406	-0,492956	0,188179	0,055357	0,236103	7,812627	82,722402	0,06469	0,35717	89,16
99	1,007449	67,437	195,22	0,960697	3,61907	0,014609	-0,470871	0,161272	0,056176	0,189598	7,851381	82,123571	0,06216	0,27117	89,64
100	1,281800	111,823	291,89	1,472075	3,64685	0,008007	-0,741055	0,157948	0,105540	0,210647	11,736097	81,825222	0,08854	0,75865	98,33
101	0,994526	129,180	176,27	1,233394	1,87858	0,007746	-0,426510	0,250877	0,071182	0,158133	7,277961	86,283855	0,08169	0,16062	73,46
102	1,834578	125,443	301,35	2,878673	5,16505	0,007909	-0,936212	0,239811	0,119411	0,338355	10,476727	82,203431	0,11063	0,75013	95,47
103	2,384127	139,510	406,47	4,447376	12,12858	0,007125	-0,939178	0,377891	0,174266	0,527133	9,150671	81,810309	0,16101	0,70758	88,24
104	1,652764	91,501	143,61	1,644912	3,10948	0,010785	-0,610416	0,255115	0,113911	0,313216	9,719082	83,506771	0,11153	0,76844	96,49
105	1,362435	151,112	224,81	2,864309	3,72298	0,006308	-0,850706	0,327201	0,243089	0,378364	10,988085	81,862680	0,17860	0,50861	91,30
106	1,798505	78,603	2809	2,282943	49,28563	0,012059	-0,847481	0,151982	0,049809	0,251879	7,434140	81,447671	0,05819	0,50923	93,67
107	1,090839	142,090	265,80	1,129784	3,81273	0,006504	-0,631241	0,257480	0,102968	0,149934	9,501474	86,287020	0,10744	0,15227	87,82
108	1,345614	102,954	112,95	1,729631	2,44212	0,010393	-0,956633	0,493041	0,172815	0,341875	8,207607	84,181485	0,18051	0,37016	79,95
109	0,859003	127,048	181,92	1,033627	2,41923	0,007517	-0,354881	0,230370	0,099431	0,180704	7,614343	84,218395	0,09563	0,25745	92,59
110	0,900425	98,181	195,80	1,141947	1,67271	0,009902	-0,463861	0,136999	0,061154	0,146337	9,799809	84,484231	0,05985	0,37560	96,71
111	1,245765	136,281	276,71	1,786470	2,88752	0,007157	-0,651601	0,163308	0,072232	0,222929	9,278307	84,326335	0,07013	0,32628	91,49

Type	Locality	Family	Taxa	Direction	Molar	Orientation	Facet	Scan's Filename	Selection [0=not used/1=used in statistics/ 2=used its median]	Specimen	Table correspond.				
Extant	Bauges - Alps	Cervidae	<i>Cervus elaphus</i>	lower	lm2	-	ptcd-db	Zinv-15-CE-0104-lm2.sur	1	15-CE-0104	112				
				lower	lm2	-	ptcd-db	Zinv-15-CE-0106-lm2.sur	1	15-CE-0106	113				
				lower	lm2	-	ptcd-db	Zinv-15-CE-0141-lm2.sur	1	15-CE-0141	114				
				lower	lm2	-	ptcd-db	Zinv-15-CE-7104-lm2.sur	1	15-CE-7104	115				
				lower	lm2	-	ptcd-db	Zinv-15-CE-2616-lm2.sur	1	15-CE-2616	116				
				lower	lm2	-	ptcd-db	Zinv-15-CE-2620-lm2.sur	1	15-CE-2620	117				
				lower	lm2	-	ptcd-db	Zinv-15-CE-2655-lm2.sur	1	15-CE-2655	118				
				lower	lm2	-	ptcd-db	Zinv-15-CE-3732-lm2.sur	1	15-CE-3732	119				
				lower	lm2	-	ptcd-db	Zinv-15-CE-4525-lm2.sur	1	15-CE-4525	120				
				lower	lm2	-	ptcd-db	Zinv-15-CE-4526-lm2.sur	1	15-CE-4526	121				
				lower	lm2	-	ptcd-db	Zinv-15-CE-4687-lm2.sur	1	15-CE-4687	122				
				lower	lm2	-	ptcd-db	Zinv-15-CE-4691-lm2.sur	1	15-CE-4691	123				
				lower	lm2	-	ptcd-db	Zinv-15-CE-4820-lm2.sur	1	15-CE-4820	124				
				lower	lm2	-	ptcd-db	Zinv-15-CE-4821-lm2.sur	1	15-CE-4821	125				
				lower	lm2	-	ptcd-db	Zinv-15-CE-4825-lm2.sur	1	15-CE-4825	126				
				lower	lm2	-	ptcd-db	Zinv-15-CE-4951-lm2.sur	1	15-CE-4951	127				
				lower	lm2	-	ptcd-db	Zinv-15-CE-5002-lm2.sur	1	15-CE-5002	128				
				lower	lm2	-	ptcd-db	Zinv-15-CE-5616-lm2.sur	1	15-CE-5616	129				
				lower	lm2	-	ptcd-db	Zinv-15-CE-4819-lm2.sur	1	15-CE-4819	130				
				lower	lm2	-	ptcd-db	Zinv-15-CE-4929-lm2.sur	1	15-CE-4929	131				
				lower	lm2	-	ptcd-db	Zinv-15-CE-5837-lm2.sur	1	15-CE-5837	132				
								lower	lm2	sin	ptcd-db	Zinv-15-Cc-0001-lm2s-ptcd-db.sur	1	15-Cc-0001	133
								lower	lm2	sin	ptcd-db	Zinv-15-Cc-0017-lm2s-ptcd-db.sur	1	15-Cc-0017	134
								lower	lm2	dex	ptcd-db	Zinv-15-Cc-0258-lm2d-ptcd-db.sur	1	15-Cc-0258	135
							<i>Capreolus capreolus</i>	lower	lm2	sin	ptcd-db	Zinv-15-Cc-0259-lm2s-ptcd-db.sur	1	15-Cc-0259	136
								lower	lm2	dex	ptcd-db	Zinv-15-Cc-0262-lm2d-ptcd-db.sur	1	15-Cc-0262	137
								lower	lm2	sin	ptcd-db	Zinv-15-Cc-0642-lm2s-ptcd-db.sur	1	15-Cc-0642	138
								lower	lm2	sin	ptcd-db	Zinv-15-Cc-0741-lm2s-ptcd-db.sur	1	15-Cc-0741	139

Table correspond.	Scale Sensitive Fractal Analyses (SSFA)						Volume Scale - Filling 3D Square			Disparities of parameters		
	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax) /epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (HAsfc36/H36)	HAsfc81 (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftfv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
112	0,892890	0,999642	0,673960	0,005370	0,396603	0,445120	0,715162	30946,753	52955,897	0,155670	0,062230	0,247434
113	0,491822	0,999304	0,407704	0,001951	0,554254	0,799912	0,975722	27926,180	44471,479	0,393776	0,831686	0,350134
114	0,849143	0,998935	0,299538	0,005779	0,537345	0,712299	0,882651	13323,559	35300,061	0,179052	0,000000	1,090126
115	1,618058	0,999904	0,133128	0,002384	2,541579	2,313529	3,026627	30463,254	49940,696	0,168658	0,694771	0,263181
116	2,038035	0,999633	0,407704	0,002917	0,232394	0,491480	0,594823	38476,603	59670,583	0,317436	0,548504	0,029658
117	1,349510	0,999629	0,832050	0,008261	0,224864	0,357675	0,577990	41100,066	61289,603	0,060432	0,311982	0,036299
118	0,942602	0,999712	0,832050	0,008062	0,281718	0,460812	0,607256	24835,114	44125,076	0,129746	0,290260	0,467436
119	1,552803	0,999817	0,407704	0,007079	0,864253	0,943103	1,200812	47363,708	68863,362	0,143417	0,175439	0,178143
120	1,211729	0,999727	0,532512	0,005744	0,392334	0,497991	0,663664	28787,439	49397,151	0,000000	0,005176	0,319761
121	1,028086	0,999711	0,407704	0,002574	0,391834	0,542404	0,718899	26323,680	43198,604	0,086682	0,640144	0,409228
122	1,686531	0,998902	4,401544	0,008344	0,380730	0,637710	0,628413	42898,859	64434,769	0,194476	0,320905	0,079134
123	1,536391	0,993331	25,169510	0,009889	0,652836	0,668295	0,766758	42382,800	60203,642	0,136968	0,473924	0,067031
124	1,239345	0,984797	30,960577	0,007819	0,515652	0,564384	0,712415	53617,181	73608,680	0,012409	0,263079	0,302153
125	1,206477	0,999750	0,407704	0,004652	0,620348	0,811807	1,446569	39634,879	58550,794	0,002377	0,181820	0,000000
126	0,895691	0,999420	1,006780	0,005855	0,682742	0,521988	0,741401	34551,055	52582,548	0,154191	0,011149	0,137268
127	2,557285	0,999392	0,532512	0,001104	0,558677	1,277040	1,380894	42542,505	64465,625	0,475223	1,169989	0,070792
128	2,707472	0,999809	0,407704	0,008478	0,424065	0,568394	0,817489	45048,005	65346,522	0,516576	0,335144	0,128016
129	1,955865	0,999691	0,532512	0,005540	0,327340	0,389809	0,568665	42386,966	61027,471	0,290017	0,035892	0,067130
130	0,991647	0,999768	0,407704	0,009203	0,282604	0,385573	0,437125	27184,583	45332,430	0,104813	0,408852	0,377048
131	1,024088	0,999116	4,792607	0,005727	0,365820	0,832015	0,773711	52437,856	70382,950	0,088655	0,007700	0,279913
132	0,866165	0,999801	0,532512	0,009152	0,364646	0,534141	0,561313	42479,851	58007,045	0,169889	0,403841	0,069319
133	3,246527	0,999863	0,532512	0,005082	0,171033	0,425127	0,506740	48888,370	71340,739	0,450013	0,186781	0,222959
134	5,319340	0,999548	0,074884	0,007757	0,237869	0,647945	0,805431	40778,957	60632,999	0,847526	0,177739	0,041590
135	0,445968	0,999856	0,133128	0,007496	0,188033	0,311897	0,447607	37402,879	57243,972	0,627310	0,147481	0,044827
136	1,092260	0,998974	0,299538	0,007380	0,407967	0,624625	0,747248	1598,827	19052,136	0,257844	0,133734	3,196706
137	0,952266	0,999717	0,532512	0,010547	0,363321	0,367566	0,415060	26035,489	48413,749	0,327098	0,454312	0,407102
138	1,270122	0,999306	0,074884	0,007228	0,417780	0,442888	0,574177	46146,807	64999,521	0,176255	0,115429	0,165248
139	9,468375	0,999616	0,074884	0,002823	0,173745	0,295884	0,464039	52070,346	73564,025	1,352270	0,651079	0,286014

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Sq <μm>	Ssk <no unit>	Sku <no unit>	Sp<μm>	Sv<μm>	Sz<μm>	Sa<μm>	Smr (c = 1.00 μm below highest peak <%>	Smc (p = 10.0%) <μm>	Sxp (p = 50.0%, q = 97.5%) <μm>	Sal (s = 0.300) <μm>	Sal #1 (s = 0.400) <μm>	Sal #2 (s = 0.500) <μm>	Str (s = 0.300) <no unit>	Str #1 (s = 0.400) <no unit>
112	0,12714	-1,13097	5,82445	0,40206	0,80703	1,20909	0,09227	99,89001	0,12916	0,34822	3,17719	2,71380	2,29709	0,29721	0,35437
113	0,09307	-2,69139	24,58125	0,70628	0,99303	1,69931	0,05530	98,64737	0,07641	0,20615	3,67534	3,13076	2,63805	0,54474	0,57084
114	0,11595	-2,11265	14,87178	0,44632	1,85166	2,29798	0,07842	99,63174	0,10843	0,31355	3,36684	2,89299	2,44282	0,36690	0,43254
115	0,18870	-2,57479	16,08060	0,88715	1,82607	2,71321	0,11099	86,76347	0,14358	0,55369	5,18352	4,37917	3,65686	0,64090	0,71025
116	0,16309	-2,61936	18,08086	0,92187	1,94799	2,86986	0,10694	80,56771	0,13595	0,44402	3,13567	2,67769	2,25760	0,45730	0,53972
117	0,17907	-1,26211	7,97034	0,65703	1,92000	2,57703	0,13211	95,80336	0,19113	0,44229	3,48807	2,96746	2,51605	0,19655	0,24378
118	0,14538	-1,49295	9,34294	0,40440	1,89763	2,30203	0,10842	99,66407	0,15426	0,36467	3,15514	2,71246	2,33219	0,16060	0,21142
119	0,19497	-1,50008	16,08301	1,19744	2,39930	3,59674	0,12313	8,14942	0,17648	0,44411	3,36033	2,91095	2,47062	0,24803	0,32901
120	0,15656	-1,44126	7,45577	0,53261	1,40758	1,94019	0,11523	98,53481	0,16105	0,40808	3,67156	3,13542	2,64333	0,38184	0,49149
121	0,10995	-2,20071	13,84683	0,47349	1,19390	1,66739	0,07335	99,55021	0,10043	0,30718	3,04354	2,57169	2,15749	0,47729	0,54362
122	0,21306	-1,16502	5,50562	0,63283	1,45398	2,08681	0,15686	93,57126	0,22423	0,59573	3,31833	2,88200	2,49057	0,12746	0,17178
123	0,21212	-0,87210	4,76209	0,71169	1,48624	2,19793	0,15709	90,38028	0,22619	0,55932	3,98712	3,47500	2,98846	0,06789	0,08784
124	0,18740	-0,69669	4,67749	0,64160	1,53370	2,17530	0,14406	95,99917	0,21042	0,43932	4,29123	3,71566	3,16414	0,12362	0,16830
125	0,17175	-2,41861	15,30130	0,66460	2,03151	2,69611	0,10765	95,76768	0,14652	0,46046	3,34013	2,93619	2,52527	0,18336	0,22791
126	0,14711	-1,39293	7,71657	0,45487	1,28249	1,73737	0,10723	99,33798	0,15359	0,37761	3,70509	3,17028	2,69499	0,35226	0,39037
127	0,26702	-2,96252	19,85414	0,91111	3,50857	4,41968	0,16197	79,67333	0,21534	0,78974	4,67460	3,96935	3,32874	0,75325	0,79413
128	0,20671	-1,91053	11,73822	0,68082	1,47439	2,15522	0,13565	94,97869	0,21218	0,50876	2,69220	2,30664	1,96284	0,08460	0,10948
129	0,16332	-1,51984	7,54163	0,53852	1,34769	1,88621	0,11505	97,99329	0,15875	0,46048	2,70376	2,35061	1,96478	0,28215	0,39264
130	0,16725	-0,51672	3,65222	0,59419	1,05014	1,64433	0,12920	97,89642	0,19443	0,40489	3,30471	2,88104	2,47057	0,13106	0,14706
131	0,15973	-1,36172	6,97073	0,49989	1,14888	1,64877	0,11452	98,62919	0,15644	0,43113	3,67374	3,19130	2,72954	0,34043	0,40529
132	0,13611	-0,98600	5,24919	0,60042	0,89401	1,49444	0,10059	98,86891	0,14070	0,35561	3,54936	3,03476	2,56721	0,09640	0,11280
133	0,24461	-1,33854	8,06635	1,20730	2,22543	3,43272	0,17781	15,96339	0,25482	0,62633	3,46202	2,93061	2,44529	0,44883	0,49305
134	0,22370	-0,91846	5,08361	1,08475	1,63656	2,72131	0,16602	37,40190	0,23612	0,58622	3,77718	3,11530	2,53522	0,16946	0,19111
135	0,07644	-0,89476	5,10043	0,31135	0,46272	0,77406	0,05833	100,00000	0,08663	0,18329	2,91973	2,48069	2,08993	0,15639	0,24684
136	0,10841	-2,18710	16,14883	0,46393	2,03563	2,49957	0,07590	99,65177	0,10724	0,27143	2,50900	2,10204	1,75617	0,15293	0,17801
137	0,13515	-1,11053	5,14981	0,38433	1,10879	1,49312	0,10011	99,92932	0,14490	0,37227	3,26075	2,79442	2,34845	0,05566	0,06854
138	0,12918	-1,40937	8,62551	0,43139	1,22070	1,65209	0,09337	99,64701	0,13910	0,32188	3,44718	2,96546	2,54309	0,25154	0,29068
139	0,34477	-1,93810	10,84170	1,42929	3,87411	5,30340	0,23161	3,99979	0,30312	0,96482	3,49663	2,96990	2,47683	0,52838	0,58037

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Str #2 (s = 0.500) <no unit>	Std (Reference angle = 0.00°)	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vv (p = 10.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vmp (p = 10.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vmc (p = 10.0%, q = 80.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vvc (p = 10.0%, q = 80.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vvw (p = 80.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Spd (pruning = 5.00%) <1/ $\mu\text{m}^2$ >	Spc (pruning = 5.00%) <1/ $\mu\text{m}^2$ >	S10z (pruning = 5.00%) < $\mu\text{m}$ >	S5p (pruning = 5.00%) < $\mu\text{m}$ >
112	0,39680	81,513	0,092686	0,420084	0,005571	0,134727	0,005571	0,096463	0,111667	0,023060	0,006242	0,301446	1,147559	0,395410
113	0,59487	69,750	0,071212	0,239873	0,004411	0,080825	0,004411	0,050996	0,065045	0,015780	0,001928	0,278099	1,414926	0,488572
114	0,47412	175,999	0,089167	0,375872	0,004705	0,113136	0,004705	0,076946	0,091159	0,021976	0,002059	0,227010	1,672962	0,395611
115	0,74540	3,254	0,142235	0,879122	0,009941	0,153518	0,009941	0,086512	0,112868	0,040650	0,002778	0,697079	2,490785	0,785739
116	0,59729	81,259	0,139948	0,917592	0,005716	0,141670	0,005716	0,101747	0,108213	0,033457	0,001961	0,388292	2,277356	0,611210
117	0,28083	51,247	0,124168	0,736371	0,006797	0,197928	0,006797	0,141838	0,168290	0,029638	0,003235	0,321883	1,906989	0,562104
118	0,27290	123,741	0,101438	0,497467	0,004372	0,158629	0,004372	0,120078	0,134511	0,024118	0,003203	0,277356	1,583562	0,379603
119	0,37487	93,740	0,145099	0,917049	0,012515	0,188992	0,012515	0,114348	0,157675	0,031317	0,002909	0,665373	2,769142	0,824666
120	0,54523	61,744	0,111182	0,590226	0,005050	0,166100	0,005050	0,126526	0,139396	0,026704	0,004870	0,229900	1,626319	0,425801
121	0,59770	109,748	0,096588	0,445848	0,004166	0,104591	0,004166	0,070313	0,083405	0,021186	0,004902	0,223953	1,352373	0,378706
122	0,25152	109,752	0,128951	0,805242	0,007729	0,231962	0,007729	0,167116	0,192980	0,038982	0,003954	0,356724	1,877460	0,601138
123	0,12528	85,998	0,123549	0,740462	0,009208	0,235402	0,009208	0,166800	0,198019	0,037383	0,004641	0,304273	1,790179	0,647958
124	0,21291	85,995	0,106058	0,549027	0,008066	0,218489	0,008066	0,156231	0,190674	0,027815	0,004085	0,280537	1,676098	0,599993
125	0,27635	73,504	0,122847	0,681908	0,007268	0,153790	0,007268	0,091933	0,117623	0,036167	0,002288	0,342951	2,024701	0,600250
126	0,42320	114,747	0,096496	0,447319	0,005264	0,158854	0,005264	0,114292	0,133044	0,025811	0,005131	0,314861	1,524077	0,407185
127	0,82369	111,996	0,185381	1,438540	0,011222	0,226562	0,011222	0,136991	0,170180	0,056382	0,001634	0,409498	3,671617	0,826558
128	0,13593	112,997	0,172776	1,334034	0,009391	0,221572	0,009391	0,127762	0,185125	0,036447	0,006961	0,317668	2,047822	0,625390
129	0,44351	58,499	0,142536	0,950926	0,006070	0,164818	0,006070	0,117888	0,132613	0,032205	0,003235	0,303747	1,680089	0,504084
130	0,16603	132,253	0,109931	0,589168	0,007167	0,201593	0,007167	0,142309	0,176576	0,025017	0,006798	0,378019	1,399547	0,528275
131	0,44961	125,751	0,096965	0,460091	0,006657	0,163094	0,006657	0,118018	0,132810	0,030283	0,003856	0,232684	1,475110	0,474117
132	0,15533	106,490	0,092514	0,419732	0,005835	0,146539	0,005835	0,106957	0,122059	0,024480	0,006046	0,379946	1,287626	0,480548
133	0,51904	137,750	0,183435	1,533760	0,008771	0,263595	0,008771	0,187096	0,220835	0,042760	0,003856	0,418709	2,498658	0,788479
134	0,22406	168,000	0,196556	1,764717	0,009699	0,245821	0,009699	0,180283	0,207485	0,038337	0,005523	1,106864	2,486129	0,969053
135	0,29415	86,507	0,064192	0,204776	0,002607	0,089237	0,002607	0,064348	0,077285	0,011952	0,013563	0,248594	0,731678	0,282363
136	0,20939	122,499	0,105130	0,489689	0,003494	0,110729	0,003494	0,079024	0,091508	0,019221	0,002059	0,231472	1,880490	0,346226
137	0,08127	47,005	0,096145	0,452056	0,004701	0,149597	0,004701	0,105257	0,124857	0,024739	0,003530	0,247322	1,148142	0,324624
138	0,33663	132,263	0,096725	0,460059	0,004768	0,143869	0,004768	0,098908	0,122074	0,021796	0,004804	0,516297	1,408859	0,394225
139	0,61194	93,515	0,321614	4,017545	0,014513	0,317628	0,014513	0,218941	0,244138	0,073490	0,002909	1,006009	4,528444	1,262380

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm²>	Sha (pruning = 5.00%) <μm²>	Sdv (pruning = 5.00%) <μm³>	Shv (pruning = 5.00%) <μm³>	Svd (pruning = 5.00%) <1/μm²>	Svc (pruning = 5.00%) <1/μm³>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>	Spq <no unit>	Svq <no unit>	Smq <no unit>
112	0,752148	99,495	147,62	1,047738	1,87995	0,010066	-0,356717	0,220242	0,111313	0,231096	9,796288	81,844568	0,10083	0,26464	86,31
113	0,926354	171,349	460,75	1,620310	5,22383	0,005817	-0,269941	0,130079	0,087198	0,176817	10,494116	85,201417	0,05817	0,51959	96,16
114	1,277351	229,287	426,75	3,175701	8,15840	0,004118	-0,456878	0,185807	0,094366	0,227380	9,523348	83,171642	0,08469	0,39113	93,67
115	1,705046	130,309	167,48	2,283311	2,90867	0,004477	-1,116041	0,190889	0,185871	0,422175	13,112735	81,751418	0,13033	0,71927	92,53
116	1,666146	105,824	312,48	2,440022	4,99650	0,009445	-0,453974	0,218983	0,117108	0,334937	8,591921	80,215173	0,10896	0,93316	97,31
117	1,344885	212,913	268,29	3,652185	6,83404	0,004216	-0,543948	0,365574	0,133528	0,297226	8,226304	84,874516	0,13648	0,38223	89,38
118	1,203959	222,594	282,08	3,028977	4,78020	0,003987	-0,302153	0,297956	0,081041	0,237323	7,066160	83,581731	0,10362	0,73806	98,41
119	1,944477	288,635	257,67	5,563260	9,56229	0,002549	-0,692667	0,296671	0,242604	0,357550	11,729407	86,250283	0,15320	0,99944	97,21
120	1,200518	194,335	188,69	3,076865	2,95908	0,005556	-0,464582	0,294508	0,098329	0,266933	7,840122	82,132065	0,10862	0,43891	91,52
121	0,973667	118,360	216,22	1,500426	3,43171	0,008661	-0,329887	0,174701	0,083871	0,223662	8,945689	83,735684	0,07944	0,43535	94,84
122	1,276322	171,985	226,25	2,912262	3,93549	0,005229	-0,460971	0,380228	0,154235	0,388021	9,865236	81,768556	0,15549	0,38858	79,10
123	1,142220	174,763	242,75	1,710093	3,88862	0,006144	-0,430177	0,399306	0,184460	0,373490	9,737258	83,147263	0,17131	0,34420	78,30
124	1,076105	229,813	248,77	2,513613	4,50970	0,004412	-0,368517	0,441393	0,159652	0,276525	7,216370	87,649433	0,16356	0,39324	93,49
125	1,424451	228,327	307,69	3,442820	5,27089	0,003987	-0,455347	0,227105	0,143636	0,387477	11,135295	83,611459	0,11605	0,67493	93,64
126	1,116892	162,025	180,89	1,661267	2,62521	0,006242	-0,447286	0,277482	0,103900	0,260193	8,859956	83,403877	0,10956	0,46906	94,92
127	2,845059	299,327	689,99	7,177651	19,83975	0,003301	-0,977722	0,297617	0,225141	0,575999	11,909024	81,125999	****	****	****
128	1,422432	111,830	152,36	1,552079	3,17564	0,008987	-0,423005	0,328885	0,200900	0,415868	12,929888	86,272471	****	****	****
129	1,176005	87,509	235,14	1,514825	3,73332	0,011014	-0,439979	0,236827	0,122343	0,322035	11,519860	79,418779	0,10752	0,40948	87,46
130	0,871272	107,522	149,16	0,890011	1,97650	0,008857	-0,503432	0,376384	0,142172	0,245384	8,965465	86,277562	0,14470	0,22958	74,68
131	1,000993	161,989	280,13	1,793772	3,10604	0,006471	-0,268492	0,271114	0,134001	0,301418	9,008437	81,654560	0,11892	0,35372	86,83
132	0,807078	119,184	148,75	0,947392	1,21227	0,008203	-0,358812	0,246138	0,117162	0,242292	9,276609	81,829642	****	****	****
133	1,710179	160,653	251,01	4,527836	7,24400	0,006013	-0,971641	0,477622	0,172654	0,431276	8,240218	84,396379	0,17293	0,57670	88,86
134	1,517076	112,049	150,55	1,182466	2,25202	0,007844	-1,446054	0,414328	0,193364	0,380987	9,568918	82,056973	0,17393	0,38244	79,68
135	0,449316	85,348	76,27	0,343270	0,55969	0,011863	-0,245316	0,172206	0,050120	0,116799	7,614742	86,033831	56,905	150,765	85,73
136	1,534263	243,669	438,51	3,260470	9,06056	0,003530	-0,840191	0,196700	0,067590	0,195647	8,205677	83,697483	0,07330	0,38239	94,43
137	0,823518	200,020	284,13	1,037390	3,57680	0,005294	-0,407315	0,257990	0,092067	0,248322	9,177588	83,428688	****	****	****
138	1,014634	167,520	189,78	1,633629	1,98681	0,006013	-0,518767	0,247381	0,095288	0,221409	9,934874	84,471203	0,10187	0,51625	97,25
139	3,266065	123,153	284,32	3,979067	10,53317	0,007321	-2,250468	0,446074	0,289383	0,734629	10,893963	79,708167	0,22492	1,18472	93,17

Type	Locality	Family	Taxa	Direction	Molar	Orientation	Facet	Scan's Filename	Selection [0=not used/1=used in statistics/ 2=used its median]	Specimen	Table correspond.
Extant	Bauges - Alps	Cervidae	<i>Capreolus capreolus</i>	lower	lm2	sin	ptcd-db	Zinv-15-Cc-0742-lm2s-ptcd-db.sur	1	15-Cc-0742	140
				lower	lm2	dex	ptcd-db	Zinv-15-Cc-2183-lm2d-ptcd-db-1.sur	1	15-Cc-2183	141
				lower	lm2	sin	ptcd-db	Zinv-15-Cc-2184-lm2s-ptcd-db.sur	1	15-Cc-2184	142
				lower	lm2	sin	ptcd-db	Zinv-14-Cc-2538-lm2s-ptcd-db.sur	1	14-Cc-2538	143
				lower	lm2	sin	ptcd-db	Zinv-15-Cc-2611-lm2s-ptcd-db.sur	1	15-Cc-2611	144
				lower	lm2	sin	ptcd-db	Zinv-15-Cc-2613-lm2s-ptcd-db.sur	1	15-Cc-2613	145
				lower	lm2	sin	ptcd-db	Zinv-15-Cc-2637-lm2s-ptcd-db.sur	1	15-Cc-2637	146
				lower	lm2	dex	ptcd-db	Zinv-15-Cc-7122-lm2d-ptcd-db.sur	1	15-Cc-7122	147
				lower	lm2	sin	ptcd-db	Zinv-15-Cc-7124-lm2s-ptcd-db.sur	1	15-Cc-7124	148
				lower	lm2	sin	ptcd-db	Zinv-15-Cc-8624-lm2s-ptcd-db.sur	1	15-Cc-8624	149
				lower	lm2	sin	ptcd-db	Zinv-15-Cc-8640-lm2s-ptcd-db.sur	1	15-Cc-8640	150
Extant	Bierbza-Poland	Cervidae	<i>Alces alces</i>	lower	lm2	-	ptcd-db	Zinv_AA_120992.sur	1	AA_120992	151
				lower	lm2	-	ptcd-db	Zinv_AA_138865.sur	1	AA_138865	152
				lower	lm2	-	ptcd-db	Zinv_AA_w2011.sur	1	AA_w2011	153
				lower	lm2	-	ptcd-db	Zinv-AA-04-2010.sur	1	AA-04-2010	154
				lower	lm2	-	ptcd-db	Zinv-AA-08-2010.sur	1	AA-08-2010	155
				lower	lm2	-	ptcd-db	Zinv-AA-120989.sur	1	AA-120989	156
				lower	lm2	-	ptcd-db	Zinv-AA-120990.sur	1	AA-120990	157
				lower	lm2	-	ptcd-db	Zinv-AA-120991.sur	1	AA-120991	158
				lower	lm2	-	ptcd-db	Zinv-AA-120992.sur	1	AA-120992	159
				lower	lm2	-	ptcd-db	Zinv-AA-120994.sur	1	AA-120994	160
				lower	lm2	-	ptcd-db	Zinv-AA-12937.sur	1	AA-12937	161
				lower	lm2	-	ptcd-db	Zinv-AA-138864.sur	1	AA-138864	162
				lower	lm2	-	ptcd-db	Zinv-AA-138865.sur	1	AA-138865	163
				lower	lm2	-	ptcd-db	Zinv-AA-140164.sur	1	AA-140164	164
				lower	lm2	-	ptcd-db	Zinv-AA-15-2010.sur	1	AA-15-2010	165
				lower	lm2	-	ptcd-db	Zinv-AA-16-2010-1.sur	1	AA-16-2010-1	166
				lower	lm2	-	ptcd-db	Zinv-AA-16-2010-2.sur	1	AA-16-2010-2	167

Table correspond.	Scale Sensitive Fractal Analyses (SSFA)						Volume Scale - Filling 3D Square			Disparities of parameters		
	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax) /epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (HAsfc36/H36)	HAsfc81 (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftfv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
140	1,062905	0,999324	2,130048	0,008967	0,357533	0,521591	0,713410	33255,604	50772,704	0,271973	0,307165	0,162348
141	1,741783	0,998637	0,074884	0,004592	0,565362	0,518558	0,659477	44994,040	64366,653	0,012520	0,270777	0,139951
142	2,225147	0,999544	0,407704	0,006185	0,302222	0,538129	0,953341	3624,008	24347,145	0,174890	0,020119	2,378745
143	1,974890	0,999795	0,407704	0,006480	0,074633	0,407074	0,459144	26758,585	47711,893	0,094118	0,020119	0,379708
144	7,581221	0,999108	0,074884	0,000530	0,405144	0,518559	1,001173	65541,468	88406,479	1,153488	1,566846	0,516097
145	2,754142	0,999944	0,208012	0,005185	0,538604	0,764026	0,944644	37524,158	55588,870	0,326771	0,169987	0,041590
146	0,902883	0,998263	0,074884	0,007377	0,525974	0,645559	0,777130	45588,293	68799,515	0,352718	0,133376	0,153072
147	0,407700	0,999759	0,407704	0,005401	0,320208	0,553196	0,769979	0,000	12701,424	0,654131	0,135660	10,574356
148	1,451843	0,999766	0,299538	0,005110	0,429783	0,440478	0,548592	43440,846	61570,963	0,099249	0,182187	0,104822
149	1,673982	0,999711	0,673960	0,007354	0,502761	0,774518	0,995267	64059,535	83259,862	0,012520	0,130626	0,493227
150	3,489045	0,999839	0,673960	0,003458	0,443027	0,492356	0,737293	33042,427	49238,636	0,505551	0,497414	0,168778
151	2,208846	0,999301	1,006780	0,002138	0,462981	0,692078	1,008775	8953,432	31440,148	0,295888	0,113799	1,237258
152	0,776815	0,998061	0,074884	0,004062	0,320317	0,473156	0,686275	14389,444	33403,095	0,886977	0,591975	0,762842
153	2,583680	0,997148	4,027122	0,002805	0,560286	0,872681	1,370604	41220,002	59241,823	0,185409	0,306530	0,289542
154	1,863393	0,999479	0,532512	0,001737	0,404213	0,578715	0,831654	55745,772	72282,648	0,409792	0,022924	0,591413
155	2,422674	0,998728	0,832050	0,002214	0,280284	0,643538	1,005546	36879,612	51498,500	0,231377	0,137730	0,178280
156	2,489137	0,999755	0,673960	0,000625	0,307206	0,584512	0,798044	24392,727	43803,946	0,212145	0,544279	0,235080
157	3,802307	0,999389	0,407704	0,000913	0,237724	0,410859	0,739538	8527,078	31704,073	0,107297	0,381114	1,286042
158	4,013118	0,999338	0,832050	0,003394	0,436912	1,096588	1,768220	52179,402	69256,877	0,150259	0,450454	0,525301
159	4,618236	0,985009	21,641618	0,000881	1,882293	1,746034	2,033942	33701,170	51248,696	0,264218	0,397983	0,088156
160	4,294109	0,999262	1,872112	0,003884	0,453936	1,021771	1,714238	25513,071	50635,994	0,204795	0,556178	0,190176
161	2,353268	0,999597	1,006780	0,004274	2,554215	2,450340	2,786319	39011,381	58904,915	0,251864	0,633003	0,234473
162	2,787057	0,999379	0,832050	0,002862	0,360051	0,760758	0,949648	4583,304	27844,160	0,130210	0,321399	1,906768
163	5,307488	0,998630	1,406164	0,001814	1,818237	2,369275	2,830251	43136,758	66242,735	0,379938	0,004821	0,334992
164	2,081021	0,999750	0,532512	0,000319	0,424695	0,622432	0,967728	51273,578	71395,092	0,336539	0,752912	0,507789
165	1,968339	0,999081	0,074884	0,006037	1,169557	1,248852	1,636872	37805,005	55003,455	0,373797	0,921396	0,203062
166	3,713194	0,999873	0,407704	0,002024	0,238585	0,428396	0,498771	63226,177	88148,807	0,088566	0,076794	0,717328
167	2,250602	0,998316	0,832050	0,000423	0,437982	1,266674	3,669720	2470,748	18752,846	0,282959	0,677019	2,524481

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Sq <μm>		Ssk <no unit>		Sku <no unit>		Sp<μm>		Sv<μm>		Sz<μm>		Sa<μm>		Smr (c = 1.00 μm below highest peak) <%>		Smc (p = 10.0%) <μm>		Sxp (p = 50.0%, q = 97.5%) <μm>		Sal (s = 0.300) <μm>		Sal #1 (s = 0.400) <μm>		Sal #2 (s = 0.500) <μm>		Str (s = 0.300) <no unit>		Str #1 (s = 0.400) <no unit>	
	140	0,18363	-1,14025	5,80723	0,64977	1,16443	1,81419	0,13264	94,86587	0,19509	0,50129	3,83426	3,29127	2,79966	0,11368	0,14950														
141	0,11025	-1,78796	10,56805	0,51799	1,04504	1,56303	0,07677	99,51610	0,10836	0,29788	3,15313	2,65829	2,20493	0,28463	0,34760															
142	0,13783	-1,98448	12,45235	0,95825	1,65307	2,61131	0,09058	74,83650	0,12536	0,37815	2,40962	2,02580	1,70307	0,14635	0,18497															
143	0,20462	-1,52334	10,29496	0,86541	1,76542	2,63082	0,14245	81,66407	0,20318	0,50054	3,47011	2,99275	2,55091	0,39367	0,44735															
144	0,24779	-0,71050	6,30907	1,31871	2,29516	3,61388	0,17753	6,55708	0,25860	0,60002	4,48334	3,75063	3,07519	0,49808	0,54955															
145	0,17623	-1,93003	14,38283	0,97388	1,71397	2,68785	0,11147	70,21217	0,13733	0,47449	2,72063	2,28321	1,89424	0,21971	0,27092															
146	0,03231	-1,21982	14,91540	0,48136	0,48263	0,96399	0,02198	100,00000	0,03194	0,07562	2,02295	1,68688	1,35155	0,21574	0,31999															
147	0,05301	-2,43872	15,19156	0,16433	0,70528	0,86961	0,03542	100,00000	0,05013	0,14378	1,94736	1,66602	1,43461	0,16295	0,22290															
148	0,17925	-2,21314	14,18804	0,72271	1,88964	2,61234	0,11835	93,57277	0,16027	0,47654	3,65584	3,14350	2,67993	0,30801	0,37762															
149	0,16810	-1,98497	16,81712	1,23810	1,80171	3,03981	0,10314	2,64497	0,13542	0,43612	3,53139	3,01109	2,53773	0,39038	0,45305															
150	0,24467	-1,49102	8,17253	1,06051	2,73612	3,79663	0,17185	46,51116	0,22405	0,67808	3,09804	2,63789	2,21583	0,55129	0,57994															
151	0,19877	-4,68165	47,21978	1,11646	3,69612	4,81257	0,11077	14,18337	0,13254	0,48565	3,11809	2,67825	2,26749	0,66747	0,71059															
152	0,10703	-2,79228	19,36547	0,42801	1,23374	1,66175	0,06613	99,53102	0,08931	0,28926	2,96639	2,54485	2,15559	0,50400	0,52213															
153	0,27250	-2,06314	11,46398	1,88977	2,58796	4,47772	0,16105	0,13534	0,20612	0,87318	3,89250	3,35813	2,87120	0,65041	0,68660															
154	0,14192	-2,44603	12,62183	0,65693	1,32991	1,98684	0,08762	96,14971	0,10354	0,46159	2,98627	2,53843	2,11811	0,87821	0,89903															
155	0,15311	-4,91214	62,09567	0,58365	3,42442	4,00806	0,09224	98,22221	0,12522	0,38145	2,38148	2,03376	1,70183	0,62646	0,65583															
156	0,25231	-1,29113	9,23066	0,98060	3,16201	4,14260	0,17766	62,53884	0,25125	0,67929	4,85957	4,07913	3,40209	0,90834	0,91311															
157	0,21066	-2,95759	20,61903	0,78290	3,27037	4,05327	0,12936	90,31717	0,17894	0,60886	3,10018	2,55799	2,11448	0,86802	0,85550															
158	0,26900	-3,77729	31,40863	1,09371	3,82952	4,92322	0,13256	21,31066	0,21413	0,80815	2,95505	2,56199	2,18938	0,32072	0,47147															
159	0,45133	-3,56201	35,77272	2,49573	6,76587	9,26160	0,21033	0,60701	0,22094	1,02417	4,56147	3,87262	3,24151	0,84300	0,88772															
160	0,28396	-4,15833	47,81500	1,14765	5,26239	6,41005	0,17454	22,86092	0,24286	0,56409	2,87493	2,46455	2,11206	0,41739	0,49679															
161	0,24120	-8,54303	163,5030	1,86000	5,94975	7,80975	0,09828	0,48568	0,11351	0,35889	2,72008	2,33827	1,93844	0,39532	0,43788															
162	0,16839	-2,82011	23,72643	0,80783	2,65042	3,45825	0,10660	91,44519	0,13608	0,47357	2,34617	2,01498	1,69194	0,44068	0,51706															
163	0,28137	-6,13374	89,50352	3,11695	6,78681	9,90376	0,13390	0,02560	0,17136	0,47645	2,28835	1,96295	1,68669	0,56381	0,58361															
164	0,20444	-2,19896	11,18675	0,78291	1,85527	2,63818	0,12996	90,33256	0,17478	0,63657	4,33793	3,67878	3,08349	0,90848	0,92039															
165	0,14689	-4,50067	60,56457	0,71823	3,15067	3,86890	0,07937	96,93644	0,10247	0,33094	2,80507	2,39433	2,03367	0,29561	0,37416															
166	0,23045	-0,73834	5,69602	1,53026	2,41503	3,94528	0,16928	0,77208	0,25301	0,56262	3,22376	2,72025	2,29397	0,75213	0,76795															
167	0,16543	-8,50614	125,2364	0,90590	4,38876	5,29466	0,05669	95,08738	0,07615	0,30141	2,61871	2,18962	1,82668	0,84936	0,87138															

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Str #2 (s = 0.500) <no unit>	Std (Reference angle = 0.00°)	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vv (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vmp (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vmc (p = 10.0%, q = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vvc (p = 10.0%, q = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vvw (p = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Spd (pruning = 5.00%) <1/μm <sup>2</sup> >	Spc (pruning = 5.00%) <1/μm <sup>2</sup> >	S10z (pruning = 5.00%) <μm>	S5p (pruning = 5.00%) <μm>
140	0,17901	129,506	0,111259	0,593720	0,007076	0,202163	0,007076	0,135695	0,168498	0,033664	0,003105	0,464206	1,589196	0,544004
141	0,38927	67,001	0,104935	0,538147	0,004058	0,112422	0,004058	0,077537	0,092105	0,020318	0,006798	0,604744	1,334518	0,436768
142	0,28050	99,251	0,137704	0,858739	0,006023	0,131379	0,006023	0,084654	0,104277	0,027102	0,003170	0,495980	2,048717	0,744705
143	0,49065	129,008	0,150740	1,068048	0,009786	0,212962	0,009786	0,146000	0,178549	0,034413	0,005981	0,548592	2,165069	0,805212
144	0,58723	3,997	0,235356	2,248527	0,014697	0,273301	0,014697	0,182649	0,233239	0,040061	0,004739	1,118753	2,957553	1,129882
145	0,31475	168,251	0,164155	1,194386	0,010342	0,147668	0,010342	0,102256	0,113408	0,034260	0,002582	0,735184	2,367705	0,804797
146	0,41024	148,246	0,055044	0,148984	0,001555	0,033492	0,001555	0,022240	0,028288	0,005205	0,008889	0,601107	0,794023	0,401339
147	0,28186	125,746	0,057205	0,160897	0,001581	0,051713	0,001581	0,034308	0,041612	0,010101	0,004183	0,191591	0,758643	0,145312
148	0,43162	120,251	0,129428	0,784666	0,007702	0,167970	0,007702	0,112077	0,131849	0,036121	0,002222	0,375178	2,079596	0,571892
149	0,50378	87,005	0,123857	0,718122	0,009158	0,144574	0,009158	0,090467	0,111223	0,033351	0,001471	0,445063	2,342656	0,849350
150	0,60107	129,000	0,202206	1,831664	0,011239	0,235288	0,011239	0,175374	0,187511	0,047777	0,003726	0,434529	2,626698	0,896791
151	0,74652	145,000	0,170057	1,147944	0,006741	0,139279	0,006741	0,094848	0,099964	0,039315	0,000654	0,747268	3,216329	0,806415
152	0,53757	57,753	0,089156	0,387824	0,004503	0,093809	0,004503	0,058508	0,072711	0,021098	0,004085	0,453840	1,457460	0,396834
153	0,70982	86,499	0,177950	1,399808	0,015148	0,221267	0,015148	0,109443	0,154619	0,066648	0,001830	0,817556	3,271561	1,165854
154	0,90412	39,008	0,132739	0,826553	0,005564	0,109108	0,005564	0,066253	0,074317	0,034791	0,002418	0,576021	1,769100	0,537723
155	0,67263	122,744	0,156624	0,969405	0,004633	0,129848	0,004633	0,085093	0,100424	0,029425	0,000948	0,250504	3,186624	0,441894
156	0,92066	163,257	0,177440	1,410002	0,012230	0,263477	0,012230	0,180286	0,217260	0,046217	0,002713	0,379756	2,732759	0,840207
157	0,85498	93,252	0,211507	1,830473	0,007589	0,186531	0,007589	0,105987	0,139682	0,046849	0,003007	0,490498	3,242381	0,635164
158	0,60480	98,752	0,237363	2,020979	0,014539	0,228666	0,014539	0,080297	0,173470	0,055195	0,002059	0,723029	4,543091	0,961911
159	0,91280	120,009	0,336244	3,106865	0,034387	0,255332	0,034387	0,130862	0,171319	0,084012	0,000359	1,447195	6,904941	2,180009
160	0,54707	50,257	0,246563	1,988590	0,012591	0,255454	0,012591	0,171639	0,208020	0,047434	0,000523	0,573596	4,484118	0,950351
161	0,48014	50,997	0,239997	1,280637	0,015664	0,129178	0,015664	0,071708	0,095970	0,033209	0,000686	0,652340	6,703498	1,455813
162	0,56286	129,250	0,162946	1,152655	0,007568	0,143647	0,007568	0,097978	0,110244	0,033403	0,001405	0,371968	2,805587	0,687205
163	0,60533	43,004	0,286656	2,222194	0,015944	0,187301	0,015944	0,105840	0,142569	0,044732	0,000294	1,083386	6,474821	1,539026
164	0,92242	52,002	0,148285	1,020522	0,008219	0,183001	0,008219	0,109341	0,137149	0,045852	0,004837	0,565668	2,248810	0,664318
165	0,44778	47,753	0,144189	0,783104	0,010382	0,112855	0,010382	0,065468	0,088336	0,024519	0,001667	1,084869	2,919887	0,684032
166	0,78056	155,244	0,205783	1,933689	0,010966	0,263974	0,010966	0,182476	0,227167	0,036807	0,004641	0,519963	2,655265	1,001766
167	0,87179	31,499	0,178044	1,009034	0,008009	0,084161	0,008009	0,028818	0,058938	0,025223	0,000294	0,759314	3,685826	0,552963

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm²>	Sha (pruning = 5.00%) <μm²>	Sdv (pruning = 5.00%) <μm³>	Shv (pruning = 5.00%) <μm³>	Svd (pruning = 5.00%) <1/μm²>	Svc (pruning = 5.00%) <1/μm²>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>	Spq <no unit>	Svq <no unit>	Smq <no unit>
140	1,045192	188,202	261,97	2,680156	3,84038	0,005164	-0,586086	0,343043	0,141733	0,345657	10,182816	84,614212	0,14089	0,36937	84,31
141	0,897750	115,016	143,92	1,117265	1,71643	0,008170	-0,565490	0,191964	0,081101	0,210472	9,048563	83,812643	0,08059	0,39081	94,54
142	1,304012	132,550	274,86	1,962819	3,41489	0,007353	-0,663072	0,200708	0,120120	0,282304	10,798673	82,917536	0,09901	0,47450	92,93
143	1,359857	132,214	141,26	4,292976	2,90607	0,006896	-0,566696	0,361657	0,196124	0,355136	9,797578	84,167066	0,17148	0,77936	96,24
144	1,827671	114,342	196,28	1,911481	4,14304	0,007484	-2,830441	0,453466	0,291317	0,405971	10,901279	84,511834	0,22300	0,67358	96,38
145	1,562909	147,361	215,98	2,039670	3,77500	0,006013	-0,891280	0,206022	0,201189	0,340157	10,760011	79,258112	0,13704	0,64488	94,38
146	0,392684	104,251	101,79	0,393185	0,39503	0,009216	-0,560625	0,058212	0,031238	0,055735	9,913893	85,894942	27,895	152,341	97,73
147	0,613332	114,950	232,84	0,437937	1,58670	0,008105	-0,262917	0,090790	0,030831	0,111447	8,370166	85,452794	34,374	207,928	93,75
148	1,507704	125,592	370,59	1,950890	6,31010	0,007549	-0,763271	0,250426	0,154732	0,364056	10,557257	81,326450	0,12250	0,81853	96,05
149	1,493305	196,222	566,88	3,352481	7,51530	0,004870	-0,445474	0,198700	0,174094	0,339576	12,058351	81,398022	0,11830	0,74409	95,52
150	1,729907	132,803	190,45	4,015218	6,83315	0,007451	-0,661923	0,356274	0,225116	0,478262	9,814251	79,291232	*****	*****	*****
151	2,409914	233,012	495,64	6,949371	9,41938	0,004347	-0,697921	0,193063	0,136664	0,389264	9,459386	79,314031	0,09864	1,56482	97,36
152	1,060626	124,340	237,16	1,964783	2,78823	0,007909	-0,356491	0,146424	0,090051	0,228887	10,117739	84,021742	0,07646	0,50533	95,37
153	2,105707	218,381	497,44	7,348124	8,55967	0,004183	-0,488429	0,204972	0,275381	0,664686	16,419228	79,880480	*****	*****	*****
154	1,231377	73,934	307,97	2,014479	2,17137	0,012354	-0,426169	0,134400	0,108067	0,346463	11,236959	79,754615	0,08556	0,43136	87,35
155	2,744730	168,157	625,96	4,927901	18,15943	0,005196	-0,723204	0,209976	0,092710	0,310032	9,103345	83,384748	0,09688	1,82916	99,10
156	1,892552	231,346	301,34	7,337190	15,74049	0,004379	-0,613800	0,414016	0,244295	0,463428	10,777081	82,134055	0,18929	0,48598	83,48
157	2,607217	141,018	280,59	5,025743	6,13766	0,006798	-0,792369	0,242677	0,156029	0,489823	12,958761	82,328997	0,12673	0,63892	89,21
158	3,581180	169,673	438,06	6,377971	7,86552	0,003039	-1,148899	0,164348	0,302555	0,677095	20,202275	84,944018	0,16278	1,67981	96,68
159	4,724932	362,515	299,99	22,93023	6,31336	0,001928	-1,701727	0,275659	0,571057	0,860046	13,461693	80,841319	*****	*****	*****
160	3,533767	242,405	521,34	16,72053	40,42023	0,001961	-1,610687	0,404902	0,250901	0,486005	10,447724	82,787174	0,20304	2,85366	98,73
161	5,247685	82,217	487,94	3,767984	16,40076	0,000784	-4,232821	0,178209	0,287243	0,375403	11,642285	84,226903	0,13478	4,16521	99,21
162	2,118382	112,035	373,60	3,358295	7,25383	0,008530	-0,424113	0,216342	0,152998	0,337759	9,628982	80,917667	0,12278	0,54047	92,57
163	4,935795	346,838	*****	15,47403	*****	0,001699	-2,812973	0,260886	0,302388	0,499053	11,744165	84,131140	0,17073	3,19484	98,52
164	1,584491	151,529	210,10	3,219357	3,26976	0,006406	-0,534213	0,244755	0,163525	0,472799	12,246997	81,767478	*****	*****	*****
165	2,235856	311,364	252,69	4,674884	2,19228	0,002353	-1,371846	0,152800	0,196931	0,264356	12,048790	83,181118	0,11739	1,80244	99,17
166	1,653498	134,397	187,43	5,774138	5,64522	0,007680	-0,696251	0,435291	0,221112	0,365593	11,008550	83,534493	0,19066	0,53585	93,51
167	3,132864	155,297	595,41	10,64603	10,25420	0,001961	-1,886383	0,067376	0,138939	0,401994	17,745913	88,361385	0,07497	1,00235	96,22

Type	Locality	Family	Taxa	Direction	Molar	Orientation	Facet	Scan's Filename	Selection [0=not used/1=used in statistics/ 2=used its median]	Specimen	Table correspond.
Extant	Bierbza-Poland	Cervidae	<i>Alces alces</i>	lower	lm2	-	ptcd-db	Zinv-AA-17-2010.sur	1	AA-17-2010	168
				lower	lm2	-	ptcd-db	Zinv-AA-18-2010.sur	1	AA-18-2010	169
				lower	lm2	-	ptcd-db	Zinv-AA-22-2010.sur	1	AA-22-2010	170
				lower	lm2	-	ptcd-db	Zinv-AA-24-2010.sur	1	AA-24-2010	171
				lower	lm2	-	ptcd-db	Zinv-AA-30-2010.sur	1	AA-30-2010	172
				lower	lm2	-	ptcd-db	Zinv-AA-32-2010.sur	1	AA-32-2010	173
				lower	lm2	-	ptcd-db	Zinv-AA-33-2010.sur	1	AA-33-2010	174
				lower	lm2	-	ptcd-db	Zinv-AA-36-2010.sur	1	AA-36-2010	175
				lower	lm2	-	ptcd-db	Zinv-AA-37-2010-2.sur	1	AA-37-2010-2	176
				lower	lm2	-	ptcd-db	Zinv-AA-37-201-10.sur	1	AA-37-201-10	177
				lower	lm2	-	ptcd-db	Zinv-AA-3769.sur	1	AA-3769	178
				lower	lm2	-	ptcd-db	Zinv-AA-39370-699.sur	1	AA-39370-699	179
				lower	lm2	-	ptcd-db	Zinv-AA-39405-701.sur	1	AA-39405-701	180
				lower	lm2	-	ptcd-db	Zinv-AA-39432-702.sur	1	AA-39432-702	181
				lower	lm2	-	ptcd-db	Zinv-AA-41-2010.sur	1	AA-41-2010	182
				lower	lm2	-	ptcd-db	Zinv-AA-42-2010.sur	1	AA-42-2010	183
				lower	lm2	-	ptcd-db	Zinv-AA-43-2010.sur	1	AA-43-2010	184
				lower	lm2	-	ptcd-db	Zinv-AA-45-2010.sur	1	AA-45-2010	185
				lower	lm2	-	ptcd-db	Zinv-AA-48-2010.sur	1	AA-48-2010	186
				lower	lm2	-	ptcd-db	Zinv-AA-nn10.sur	1	AA-nn10	187
				lower	lm2	-	ptcd-db	Zinv-AA-nn13.sur	1	AA-nn13	188
				lower	lm2	-	ptcd-db	Zinv-AA-nn14.sur	1	AA-nn14	189
				lower	lm2	-	ptcd-db	Zinv-AA-nn16-1.sur	1	AA-nn16-1	190
				lower	lm2	-	ptcd-db	Zinv-AA-nn2.sur	1	AA-nn2	191
lower	lm2	-	ptcd-db	Zinv-AA-nn3.sur	1	AA-nn3	192				
lower	lm2	-	ptcd-db	Zinv-AA-nn4-2.sur	1	AA-nn4-2	193				
lower	lm2	-	ptcd-db	Zinv-AA-nn5.sur	1	AA-nn5	194				
lower	lm2	-	ptcd-db	Zinv-AA-nn6.sur	1	AA-nn6	195				

Table correspond.	Scale Sensitive Fractal Analyses (SSFA)						Volume Scale - Filling 3D Square			Disparities of parameters		
	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax) /epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (HAsfc36/H36)	HAsfc81 (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftfv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
168	3,719879	0,999625	1,006780	0,001629	0,548834	0,783280	0,940363	32912,953	55572,494	0,089984	0,063183	0,064490
169	3,041072	0,999692	0,074884	0,006125	0,276680	0,564129	0,852626	38786,693	59956,092	0,065290	0,933823	0,228697
170	2,415278	0,998153	1,406164	0,000668	0,807811	1,176417	2,958112	4911,758	33223,900	0,233541	0,518161	1,837571
171	2,209502	0,998883	1,198152	0,001514	0,897083	1,591099	1,886658	2451,535	28949,349	0,295684	0,107911	2,532284
172	4,308152	0,998660	1,630818	0,002918	0,449380	1,029746	1,485457	51680,226	71764,034	0,207444	0,335795	0,515688
173	3,353221	0,999701	0,532512	0,002858	0,260470	0,408069	0,635883	11404,967	34359,826	0,009116	0,320363	0,995270
174	2,619477	0,999593	0,532512	0,000608	0,244528	0,493252	0,639272	30670,922	47932,412	0,175470	0,554795	0,006059
175	5,898096	0,999532	1,406164	0,001560	0,673669	1,063895	1,294514	34658,630	51288,568	0,469446	0,089779	0,116169
176	9,488045	0,999592	1,406164	0,000614	0,647911	1,157641	1,456262	44451,916	65918,634	0,888436	0,551071	0,365024
177	7,714105	0,999724	1,406164	0,001705	0,359549	0,715736	1,132026	63564,662	84933,510	0,703143	0,034684	0,722667
178	1,325515	0,999461	0,532512	0,004727	1,315859	1,286361	1,747533	54068,257	73272,250	0,617858	0,715405	0,560859
179	3,274568	0,999614	0,532512	0,003022	0,206691	0,414443	0,622352	30910,657	52257,286	0,009116	0,361993	0,001727
180	0,256320	0,999271	0,208012	0,005896	0,381069	0,972886	1,370772	25255,959	44013,758	1,233613	0,901155	0,200305
181	5,049119	0,999021	0,832050	0,001787	0,351406	0,904707	1,335821	22703,345	48232,420	0,338113	0,004821	0,306850
182	1,499148	0,999455	0,407704	0,001629	1,050516	1,136085	1,960015	26433,941	49914,946	0,545850	0,063183	0,154720
183	8,258691	0,998047	6,523271	0,000578	0,957767	1,142498	1,783180	53428,723	70138,128	0,763763	0,573628	0,548961
184	16,417600	0,999506	9,618497	0,003665	0,690823	0,630171	0,938522	48717,291	72130,501	1,395682	0,510301	0,456648
185	5,899154	0,999137	1,630818	0,002238	0,592494	1,035982	1,366672	2025,181	21641,907	0,469599	0,145170	2,723254
186	4,634094	0,996770	4,401544	0,001277	0,507973	1,261280	4,013216	51264,890	78271,401	0,267037	0,206928	0,507619
187	4,520252	0,999155	0,074884	0,000764	0,118533	0,415894	0,508678	13216,971	36735,157	0,246624	0,462202	0,847829
188	4,877866	0,999115	1,872112	0,000258	0,445677	0,753930	1,266654	22780,196	42086,653	0,309394	0,800263	0,303471
189	5,474452	0,998394	3,669340	0,002520	1,323497	2,145739	3,008584	30804,069	48727,280	0,406064	0,228675	0,001727
190	5,112914	0,999624	1,006780	0,001599	0,788164	1,276264	1,495073	19484,642	40224,932	0,348604	0,074660	0,459728
191	3,258410	0,997360	2,404624	0,002230	0,610571	0,932718	1,148516	41024,201	63353,675	0,012904	0,142696	0,284780
192	1,152671	0,999624	0,299538	0,000528	0,391207	0,505775	0,711185	20464,987	43976,618	0,695090	0,605827	0,410642
193	1,213442	0,998555	1,006780	0,002526	0,920073	1,267487	2,004515	0,000	14878,811	0,667251	0,230378	10,337162
194	4,332155	0,999639	1,406164	0,001462	0,510158	0,673606	1,034241	6182,131	26854,439	0,211956	0,128812	1,607581
195	3,941307	0,999739	0,532512	0,003222	0,711713	1,578913	2,010912	29872,674	47110,616	0,135830	0,410523	0,032429

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Sq <μm>		Ssk <no unit>		Sku <no unit>		Sp<μm>		Sv<μm>		Sz<μm>		Sa<μm>		Smr (c = 1.00 μm below highest peak) <%>		Smc (p = 10.0%) <μm>		Sxp (p = 50.0%, q = 97.5%) <μm>		Sal (s = 0.300) <μm>		Sal #1 (s = 0.400) <μm>		Sal #2 (s = 0.500) <μm>		Str (s = 0.300) <no unit>		Str #1 (s = 0.400) <no unit>	
168	0,27984	-5,00966	71,43629	1,59574	5,69972	7,29546	0,16430	0,67552	0,21929	0,65596	3,37996	2,87007	2,41459	0,77397	0,81593															
169	0,21503	-1,48818	11,92102	0,59264	4,11193	4,70458	0,15890	94,99026	0,23099	0,56302	4,01948	3,38707	2,79783	0,30145	0,40814															
170	0,21466	-7,89602	100,0579	1,18276	4,21866	5,40142	0,08551	4,58621	0,10698	0,35617	2,94183	2,53148	2,14782	0,88485	0,91519															
171	0,19051	-12,5215	265,2814	0,98034	5,86783	6,84818	0,07572	75,07387	0,09341	0,30986	2,75921	2,37277	2,01363	0,80228	0,81986															
172	0,20865	-5,75498	66,28378	1,14148	3,96293	5,10440	0,10270	8,89183	0,13256	0,41999	2,95981	2,44285	2,02998	0,72416	0,76999															
173	0,20496	-1,53882	8,88150	0,64765	2,75810	3,40575	0,14804	93,55915	0,19996	0,55809	2,96712	2,53175	2,13520	0,58431	0,63531															
174	0,20928	-2,14000	12,28638	0,92723	2,03017	2,95739	0,13809	77,50497	0,18516	0,57508	3,52950	2,97839	2,47474	0,83836	0,84340															
175	0,31815	-7,44500	137,3753	1,92922	8,98524	10,9145	0,16495	0,19407	0,21440	0,65800	2,43596	2,10651	1,79239	0,73062	0,75521															
176	0,47031	-5,28440	58,60603	2,10557	8,36107	10,4666	0,25682	0,35023	0,32149	1,04761	2,96396	2,45653	2,03902	0,83009	0,82416															
177	0,42898	-3,35455	30,59324	2,70189	6,05407	8,75596	0,25295	0,11222	0,31312	0,95085	3,39294	2,88872	2,41935	0,76995	0,78035															
178	0,16900	-3,83526	36,54425	0,73138	2,78606	3,51744	0,08994	94,60778	0,11113	0,45061	3,50565	2,97661	2,49885	0,55881	0,58667															
179	0,18024	-2,53950	28,32577	0,86817	3,35696	4,22512	0,12108	84,33594	0,17334	0,42521	2,53883	2,12258	1,77918	0,60197	0,65119															
180	0,03883	-4,26417	70,94197	0,41824	1,02479	1,44303	0,02300	99,97518	0,03464	0,07402	2,62613	2,16802	1,76096	0,89759	0,90457															
181	0,29559	-5,96477	67,67672	1,22974	5,92597	7,15571	0,14569	8,03437	0,20561	0,56074	2,78017	2,36763	2,00090	0,80317	0,81062															
182	0,15934	-5,42315	54,98398	0,63398	2,99610	3,63008	0,07434	97,56293	0,10234	0,37423	3,82595	3,22898	2,69754	0,70711	0,73776															
183	0,58786	-6,08810	78,30024	3,09845	11,21522	14,3137	0,29832	0,14461	0,35372	1,10853	3,64105	3,14088	2,69068	0,87962	0,89119															
184	0,81943	-1,55810	9,33708	3,50161	6,88297	10,3846	0,53422	0,20444	0,72829	2,17060	3,85167	3,30264	2,80932	0,57422	0,60507															
185	0,41483	-3,23286	26,44905	2,08609	6,01516	8,10125	0,21441	0,47591	0,29958	1,15126	3,68947	3,14079	2,65322	0,72469	0,77267															
186	0,29877	-4,34133	47,02134	1,38509	5,16471	6,54980	0,14711	4,13114	0,21383	0,76823	3,77503	3,23785	2,72953	0,89623	0,90723															
187	0,24856	-1,74403	8,50717	0,90783	2,18237	3,09020	0,17067	77,59396	0,21872	0,72152	3,71674	3,15213	2,66675	0,83276	0,83725															
188	0,31988	-5,90547	89,55475	1,19596	7,81840	9,01436	0,19145	15,67351	0,23171	0,82664	3,30180	2,83212	2,42209	0,89533	0,91221															
189	0,43585	-7,26320	97,46910	3,43259	7,28604	10,7186	0,12950	0,08519	0,11826	0,40537	2,85483	2,43648	2,08145	0,52070	0,58791															
190	0,34691	-5,51997	57,00837	1,40904	5,49838	6,90742	0,16867	3,26147	0,21475	0,73540	3,18255	2,72208	2,34338	0,82481	0,84305															
191	0,27441	-6,64864	89,21613	0,98906	5,57514	6,56420	0,15008	65,61688	0,19372	0,56040	3,08105	2,67509	2,28549	0,78403	0,79626															
192	0,13143	-3,93648	33,75854	0,61556	2,30497	2,92053	0,07927	97,83260	0,09506	0,38688	3,35269	2,84997	2,40628	0,92388	0,91964															
193	0,09935	-7,94955	131,0081	0,39558	2,79807	3,19365	0,04488	99,56554	0,06612	0,21935	2,47404	2,11769	1,79670	0,56089	0,61399															
194	0,34431	-4,16623	44,38017	2,21021	5,51714	7,72735	0,19890	0,17028	0,25064	0,84494	3,46081	2,99722	2,56336	0,75532	0,78884															
195	0,29431	-2,90041	21,34639	1,51529	3,17349	4,68878	0,14242	2,11607	0,16786	0,84853	3,58501	3,07800	2,61482	0,57577	0,62354															

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Str #2 (s = 0.500) <no unit>	Std (Reference angle = 0.00°)	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vv (p = 10.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vmp (p = 10.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vmc (p = 10.0%, q = 80.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vvc (p = 10.0%, q = 80.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vvw (p = 80.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Spd (pruning = 5.00%) <1/ $\mu\text{m}^2$ >	Spc (pruning = 5.00%) <1/ $\mu\text{m}^2$ >	S10z (pruning = 5.00%) < $\mu\text{m}$ >	S5p (pruning = 5.00%) < $\mu\text{m}$ >
168	0,85001	155,752	0,219714	1,895978	0,013319	0,232605	0,013319	0,146151	0,179963	0,052642	0,001209	0,551345	3,879053	1,073191
169	0,49800	59,750	0,174820	1,359350	0,006850	0,237843	0,006850	0,169962	0,200143	0,037700	0,002418	0,616743	2,488426	0,576407
170	0,91304	32,497	0,212438	1,358165	0,010579	0,117556	0,010579	0,053656	0,082620	0,034937	0,000588	0,798257	4,714625	0,893126
171	0,83001	158,497	0,203811	1,119745	0,006804	0,100215	0,006804	0,056546	0,071474	0,028742	0,000163	0,793612	4,160358	0,548794
172	0,80464	106,752	0,194667	1,371908	0,010042	0,142604	0,010042	0,074705	0,103699	0,038904	0,000719	0,746586	4,187185	1,031658
173	0,67511	112,745	0,182725	1,479512	0,007687	0,207643	0,007687	0,155843	0,169182	0,038461	0,003334	0,406859	2,874447	0,634400
174	0,84252	176,759	0,174610	1,366527	0,007930	0,193093	0,007930	0,131645	0,149417	0,043676	0,003660	0,446558	2,630333	0,696418
175	0,76721	93,255	0,351027	2,953138	0,014791	0,229190	0,014791	0,133415	0,171074	0,058116	0,000294	1,107789	6,413205	1,270607
176	0,82668	171,753	0,519622	5,394058	0,019117	0,340603	0,019117	0,220761	0,252196	0,088408	0,000686	0,861062	9,151056	1,553972
177	0,78326	42,500	0,375064	4,297579	0,022486	0,335602	0,022486	0,230846	0,256841	0,078761	0,001111	0,848675	6,919221	1,625678
178	0,61342	65,255	0,135420	0,768223	0,009986	0,121117	0,009986	0,057284	0,084089	0,037028	0,000915	0,734437	2,347593	0,637484
179	0,68568	21,249	0,187203	1,459033	0,008427	0,181772	0,008427	0,121639	0,151481	0,030291	0,003954	0,472479	3,256436	0,752237
180	0,88865	129,253	0,046749	0,099786	0,002119	0,036758	0,002119	0,021445	0,031172	0,005586	0,002745	0,510382	1,145741	0,381997
181	0,82314	86,997	0,293530	2,734879	0,011931	0,217540	0,011931	0,114221	0,164842	0,052698	0,000882	0,750083	5,706887	1,039777
182	0,75522	3,503	0,133242	0,725358	0,007752	0,110091	0,007752	0,047112	0,079788	0,030303	0,001177	0,699731	3,039423	0,584216
183	0,90811	3,004	0,475566	5,270325	0,030742	0,384462	0,030742	0,252641	0,284395	0,100067	0,000392	1,670851	9,556621	2,419598
184	0,62662	3,738	0,600639	10,19476	0,043215	0,771509	0,043215	0,494214	0,590903	0,180606	0,002157	1,380485	9,084846	3,091320
185	0,80356	166,502	0,342573	3,735402	0,023645	0,323226	0,023645	0,105273	0,222556	0,100670	0,001046	0,850976	6,660973	1,867291
186	0,91060	69,004	0,234661	1,802882	0,018711	0,232546	0,018711	0,091976	0,172386	0,060160	0,001013	0,743459	4,455836	1,062562
187	0,84675	42,254	0,210361	2,007129	0,010329	0,229044	0,010329	0,166373	0,175437	0,053607	0,005654	1,147680	2,619864	0,778403
188	0,93378	176,750	0,279078	2,366116	0,010469	0,242181	0,010469	0,176953	0,179095	0,063086	0,000327	0,429049	7,178408	0,939148
189	0,63324	177,003	0,421026	3,433778	0,027210	0,145473	0,027210	0,060495	0,088675	0,056799	0,000196	1,199017	8,929150	1,970271
190	0,87063	39,008	0,313665	2,940027	0,018103	0,232854	0,018103	0,126360	0,170291	0,062563	0,000752	0,655279	5,663122	1,306785
191	0,79940	50,257	0,241806	1,834651	0,010906	0,204626	0,010906	0,140448	0,158244	0,046383	0,000882	0,913891	5,414779	0,896860
192	0,92026	13,750	0,117305	0,610866	0,003735	0,098798	0,003735	0,067741	0,070042	0,028756	0,001078	0,882800	2,388087	0,447788
193	0,64521	148,249	0,102046	0,424675	0,003903	0,070018	0,003903	0,028699	0,051476	0,018542	0,000817	1,000911	2,058475	0,342259
194	0,80994	167,994	0,286153	2,684853	0,015665	0,266304	0,015665	0,175394	0,199263	0,067041	0,000948	0,581876	5,885751	1,377499
195	0,65973	16,997	0,237291	2,169625	0,022455	0,190314	0,022455	0,068557	0,125116	0,065197	0,001536	1,065440	4,175863	1,310359

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm²>	Sha (pruning = 5.00%) <μm²>	Sdv (pruning = 5.00%) <μm³>	Shv (pruning = 5.00%) <μm³>	Svd (pruning = 5.00%) <1/μm²>	Svc (pruning = 5.00%) <1/μm³>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>	Spq <no unit>	Svq <no unit>	Smq <no unit>
168	2,805862	252,210	351,20	11,70335	14,98400	0,003464	-0,672067	0,334932	0,255832	0,538514	11,652097	82,096018	0,18938	1,70389	98,82
169	1,912019	228,042	340,98	5,872906	10,26027	0,004445	-0,874565	0,436799	0,130524	0,374856	7,994741	84,461650	0,15266	0,41242	81,98
170	3,821499	313,623	1221,4	15,11339	19,57444	0,002386	-1,392016	0,127428	0,186583	0,409075	14,423437	84,225615	0,11532	2,50222	98,17
171	3,611564	265,601	****	12,05170	****	0,002320	-1,767573	0,130198	0,127430	0,307115	11,899506	82,413659	0,08343	2,65027	99,08
172	3,155528	175,675	545,52	7,071806	8,22608	0,004837	-0,929307	0,182313	0,186140	0,429993	12,954860	83,709461	0,12885	2,08366	98,13
173	2,240047	115,651	224,37	3,189227	6,85007	0,008824	-0,790831	0,337726	0,153659	0,384585	8,947486	80,416682	0,14266	0,37662	78,89
174	1,933914	96,288	260,50	3,524678	4,18382	0,009445	-0,672160	0,278751	0,157288	0,437280	11,103079	80,501714	0,13443	0,73334	92,49
175	5,142598	296,151	864,23	22,83475	39,92563	0,002615	-1,380371	0,312018	0,279474	0,603172	12,135285	82,417013	0,19279	3,34754	98,77
176	7,597083	217,112	263,81	17,97545	18,80018	0,003660	-3,322963	0,479837	0,378630	0,895760	10,427477	80,824881	0,25496	3,99955	97,64
177	5,293543	206,384	794,33	13,76222	26,36430	0,004183	-2,147098	0,472030	0,442462	0,782489	10,537119	79,471186	0,24891	2,65487	96,57
178	1,710110	194,117	557,41	4,557831	8,78908	0,003889	-0,691646	0,128835	0,174266	0,405405	14,798437	82,774394	0,11521	0,80763	95,40
179	2,504199	174,613	224,19	5,313802	6,17385	0,005556	-0,563778	0,308098	0,168269	0,315286	9,969533	84,634119	0,13871	0,55276	95,18
180	0,763745	293,980	301,29	2,099523	1,91979	0,002451	-0,301288	0,058755	0,041624	0,072109	12,288718	88,742722	0,03252	0,53098	99,43
181	4,667110	280,232	900,00	14,90028	14,59041	0,003039	-1,290805	0,263670	0,237064	0,577679	14,297609	83,405452	0,17209	2,52002	97,48
182	2,455207	189,403	568,76	5,357429	6,40884	0,002941	-1,040837	0,118446	0,142302	0,402766	15,996181	86,572033	0,09352	1,18772	96,79
183	7,137023	427,392	742,57	46,55816	29,67012	0,002190	-1,072146	0,515295	0,591980	0,995454	10,889307	79,592458	0,31458	6,86865	98,55
184	5,993526	243,275	395,94	25,23730	24,16668	0,003497	-2,768642	0,786673	0,798562	1,828292	17,724749	78,084108	****	****	****
185	4,793682	248,799	731,52	15,97520	16,85309	0,002876	-1,885064	0,215299	0,434611	1,116530	20,473089	83,024431	0,24242	2,47072	96,63
186	3,393274	263,447	1352,6	12,34454	20,48102	0,002941	-1,411518	0,182919	0,349042	0,646485	18,219879	82,306216	0,19173	2,62742	98,24
187	1,841461	107,256	125,93	4,857626	2,25630	0,009282	-0,932353	0,286888	0,207740	0,536732	11,908148	77,135416	0,15997	0,50200	79,14
188	6,239261	277,612	157,41	21,10002	9,70736	0,003562	-1,207981	0,359248	0,217001	0,625843	8,349764	79,037984	0,20041	5,66906	99,53
189	6,958878	130,359	1880,1	18,35181	49,11048	0,001961	-3,222549	0,141520	0,436477	0,663274	13,639329	83,652649	****	****	****
190	4,356337	192,733	494,18	10,65377	10,13882	0,004216	-1,148289	0,262995	0,338790	0,638543	13,508105	80,858802	0,20531	2,82178	97,27
191	4,517919	273,425	1103,7	10,44107	42,31465	0,003432	-0,862242	0,284820	0,215730	0,460627	10,916629	79,368767	0,17081	3,52172	98,87
192	1,940299	135,083	663,50	4,633104	3,59244	0,006798	-0,723870	0,137927	0,075831	0,283881	8,823180	79,158816	0,06775	0,51995	92,28
193	1,716217	180,318	358,20	4,944689	3,06046	0,002909	-0,639577	0,068633	0,077098	0,237505	18,530059	86,022367	0,06707	1,05653	98,61
194	4,508252	229,557	661,82	18,76328	36,45268	0,003791	-0,964302	0,331589	0,300421	0,660106	12,287978	78,562453	0,19830	3,22373	98,41
195	2,865504	163,378	261,20	5,079217	6,69384	0,005752	-1,586816	0,136708	0,355689	0,691365	17,603068	81,752288	****	****	****

Type	Locality	Family	Taxa	Direction	Molar	Orientation	Facet	Scan's Filename	Selection [0=not used/1=used in statistics/ 2=used its median]	Specimen	Table correspond.			
Extant	Bierbza-Poland	Cervidae	<i>Alces alces</i>	lower	lm2	-	ptcd-db	Zinv-AA-nn7.sur	1	AA-nn7	196			
				lower	lm2	-	ptcd-db	Zinv-AA-nn8.sur	1	AA-nn8	197			
				lower	lm2	-	ptcd-db	Zinv-AA-w2011.sur	1	AA-w2011	198			
Fossil	Gerakarou	Bovidae	<i>Antilope koufosi</i>	lower	lm2	sin	ptcd-db	Zinv-GER-148-lm2s-ptcd-mb.mnt	0	GER-148	199			
				Upper	UM1	sin	par-ml	Zinv-GER-348-UM1s-par-ml.mnt	0	GER-348	200			
				Upper	UM1	sin	ptc-ml	Zinv-GER-348-UM1s-ptc-ml.mnt	0	GER-348	201			
				Upper	UM2	dex	par-ml	Zinv-GER-48-UM2d-par-ml.mnt	0	GER-48	202			
				Upper	UM2	dex	ptc-ml	Zinv-GER-48-UM2d-ptc-ml.mnt	0	GER-48	203			
				Upper	UM2	sin	par-ml	Zinv-GER-48-UM2s-par-ml-bis.mnt	0	GER-48	204			
				Upper	UM2	sin	par-ml	Zinv-GER-48-UM2s-par-ml.mnt	0	GER-48	205			
				Upper	UM2	sin	ptc-ml	Zinv-GER-48-UM2s-ptc-ml.mnt	0	GER-48	206			
						<i>Bovid indet.</i>	lower	lm1	sin	ptcd-db	Zinv-GER-371-lm1s-ptcd-mb.mnt	0	GER-371	207
						<i>Leptobos cf. etruscus</i>	lower	lm1	dex	ptcd-db	Zinv-GER-130-lm1d-ptcd-mb.mnt	0	GER-130	208
							Upper	UM2	dex	par-ml	Zinv-GER-131-UM2d-par-ml.mnt	0	GER-131	209
							Upper	UM2	dex	ptc-ml	Zinv-GER-131-UM2d-ptc-ml.mnt	1	GER-131	210
							lower	lm2	sin	ptcd-db	Zinv-GER-133-lm2s-ptcd-mb.mnt	1	GER-133	211
							lower	lm3	dex	ptcd-db	Zinv-GER-137-lm3d-ptcd-mb.mnt	1	GER-137	212
							lower	lm2	dex	ptcd-db	Zinv-GER-144-lm2d-ptcd-mb.mnt	1	GER-144	213
							lower	lm2	dex	ptcd-db	Zinv-GER-144b-lm2d-ptcd-mb.mnt	1	GER-144b	214
						<i>Gazella bouvrinae</i>	lower	lm2	dex	ptcd-db	Zinv-GER-149-lm2d-ptcd-mb.mnt	1	GER-149	215
							lower	lm2	dex	ptcd-db	Zinv-GER-184-lm2d-ptcd-mb.mnt	1	GER-184	216
							lower	lm1	dex	ptcd-db	Zinv-GER-189-lm1d-ptcd-mb.mnt	0	GER-189	217
				lower	lm2	dex	ptcd-db	Zinv-GER-189-lm2d-ptcd-mb.mnt	1	GER-189	218			
				Upper	UM2	sin	par-ml	Zinv-GER-195-UM2s-par-ml.mnt	0	GER-195	219			
				Upper	UM2	sin	ptc-ml	Zinv-GER-195-UM2s-ptc-ml.mnt	1	GER-195	220			
				Upper	UM2	dex	par-ml	Zinv-GER-196-UM2d-par-ml.mnt	0	GER-196	221			
				Upper	UM2	dex	ptc-ml	Zinv-GER-196-UM2d-ptc-ml.mnt	1	GER-196	222			

Table correspond.	Scale Sensitive Fractal Analyses (SSFA)						Volume Scale - Filling 3D Square			Disparities of parameters		
	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax) /epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (HAsfc36/H36)	HAsfc81 (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftfv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
196	4,241350	0,999626	0,832050	0,000913	0,628303	0,930820	1,327107	16734,390	36091,838	0,194780	0,381114	0,611881
197	16,716539	0,996816	13,986759	0,001113	1,462109	3,844457	6,017412	32099,521	50289,696	1,412699	0,281678	0,039466
198	1,031171	0,999691	0,532512	0,004511	0,475679	0,683855	1,031508	34144,901	52457,365	0,753187	0,676960	0,101236
199	1,455723	0,997082	25,525410	0,005219	0,400083	0,439188	0,590810	56520,641	76340,847	0,254826	0,012870	0,170991
200	2,595345	0,997310	0,627581	0,005381	0,522765	0,652265	0,791896	63391,829	86162,274	0,126393	0,012870	0,285718
201	1,172498	0,998225	7,422298	0,009216	0,509340	0,606572	0,699227	59135,279	80637,663	0,377370	0,483463	0,216212
202	3,753185	0,999226	3,257733	0,004574	0,112241	0,313916	0,585427	41696,155	66639,323	0,405568	0,122325	0,133200
203	1,928368	0,998473	0,415775	0,005836	0,355706	0,547349	0,829699	30218,860	51971,144	0,078802	0,081688	0,455133
204	2,204098	0,996886	1,429857	0,000151	0,391848	0,509907	0,614770	41119,279	58318,065	0,011183	1,699798	0,147131
205	2,711769	0,998491	0,627581	0,000803	0,316744	0,463080	0,590052	54424,474	77983,363	0,158261	1,250765	0,133200
206	2,133229	0,997740	0,947286	0,007014	0,660482	0,728033	0,859143	41491,530	61750,259	0,011183	0,240744	0,138119
207	1,757118	0,997575	1,429857	0,003707	0,389518	0,547688	0,809066	53497,739	73788,814	0,000000	0,000000	0,000000
208	5,230646	0,998431	0,415775	0,003071	0,549325	0,627281	0,840686	75660,524	99746,152	0,000000	0,000000	0,000000
209	1,387207	0,998747	0,771037	0,003416	0,322242	0,419023	0,587224	40772,105	63889,944	0,141282	0,264109	0,065010
210	1,048116	0,999020	0,947286	0,006266	0,322923	0,461018	0,628708	43094,660	66558,162	0,294486	0,233871	0,009611
211	1,084115	0,999101	0,415775	0,004943	0,365144	0,459030	0,635625	54579,164	73371,324	0,277062	0,032939	0,226638
212	2,116060	0,997107	0,947286	0,004562	0,285299	0,528499	0,667020	36848,038	50836,073	0,125163	0,033320	0,166203
213	2,748264	0,998498	1,429857	0,001164	0,365308	0,609732	0,632024	42758,861	66385,490	0,309887	0,977504	0,017433
214	1,824572	0,997008	0,275453	0,004728	0,535345	0,879455	1,037258	44816,821	65815,357	0,026950	0,003873	0,029573
215	2,043019	0,996870	0,224203	0,002886	0,452990	0,691014	0,843858	46007,302	66880,590	0,101444	0,391972	0,055789
216	1,734128	0,998567	0,415775	0,000665	0,428784	0,626244	0,739877	58602,611	76003,358	0,005594	1,239541	0,297763
217	2,070368	0,996249	0,771037	0,003029	0,312505	0,409851	0,549973	42997,965	64206,172	0,110391	0,355758	0,011857
218	3,369880	0,997308	1,756703	0,001526	0,500603	0,562751	0,629532	59629,303	80580,100	0,463329	0,822742	0,315131
219	2,075534	0,996676	0,224203	0,004773	0,661192	0,674682	0,890152	30128,798	49896,777	0,112072	0,003873	0,367518
220	1,165571	0,998046	0,627581	0,006305	0,561918	0,678605	0,980914	43756,089	63283,287	0,238722	0,239254	0,005621
221	3,098771	0,997883	0,275453	0,000536	0,252212	0,496633	0,743748	37626,087	58925,542	0,399281	1,320104	0,145309
222	3,527105	0,996069	0,415775	0,005768	0,454464	1,099553	1,599013	53213,220	74470,468	0,498676	0,162913	0,201293

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Sq <μm>		Ssk <no unit>		Sku <no unit>		Sp<μm>		Sv<μm>		Sz<μm>		Sa<μm>		Smr (c = 1.00 μm below highest peak) <%>		Smc (p = 10.0%) <μm>		Sxp (p = 50.0%, q = 97.5%) <μm>		Sal (s = 0.300) <μm>		Sal #1 (s = 0.400) <μm>		Sal #2 (s = 0.500) <μm>		Str (s = 0.300) <no unit>		Str #1 (s = 0.400) <no unit>	
196	0,30685	-4,60473	49,89202	1,70370	5,89078	7,59448	0,17369	0,32730	0,23736	0,73753	3,14463	2,69092	2,27063	0,77046	0,78494															
197	0,79127	-5,90002	67,41393	5,68198	12,51052	18,1925	0,26277	0,01830	0,23951	0,90292	3,45014	2,86544	2,35400	0,78224	0,77639															
198	0,10889	-1,49247	8,91183	0,64476	1,14166	1,78642	0,07314	98,48522	0,10420	0,30148	3,36718	2,81437	2,33669	0,22499	0,32234															
199	0,20098	-2,28635	23,04948	0,62707	3,19592	3,82300	0,14680	96,01991	0,21341	0,45959	3,54994	3,10499	2,67586	0,14953	0,35582															
200	0,18351	-1,27415	10,24337	0,89520	2,11985	3,01506	0,13443	76,76182	0,20042	0,40202	4,07434	3,29850	2,64275	0,50796	0,52133															
201	0,16975	-0,94941	6,31260	0,71642	1,25523	1,97165	0,12151	94,29081	0,17984	0,42901	3,42110	2,96534	2,53416	0,20643	0,32452															
202	0,28977	-0,52201	4,42506	1,39232	1,36934	2,76166	0,21706	5,72640	0,31232	0,71041	3,89180	3,32507	2,79458	0,45610	0,50563															
203	0,18638	-0,87356	6,56854	1,30202	1,37049	2,67252	0,13597	3,05231	0,19857	0,45311	3,81090	3,21118	2,68972	0,43694	0,48867															
204	0,20109	-1,28313	8,57599	0,68394	1,99749	2,68143	0,14657	93,41859	0,21121	0,49407	4,26079	3,61134	3,01380	0,89026	0,89606															
205	0,21460	-1,71210	10,63332	0,80743	2,09928	2,90670	0,15042	86,18577	0,21123	0,54686	4,43543	3,71746	3,01615	0,89476	0,90400															
206	0,21194	-0,88540	6,68552	1,17931	2,38592	3,56523	0,15786	17,48802	0,23759	0,50362	3,65083	3,14485	2,67578	0,29087	0,32821															
207	0,20656	-1,39253	8,17569	0,76540	2,34554	3,11095	0,14668	89,50994	0,20674	0,56427	3,83850	3,26890	2,76284	0,34635	0,43034															
208	0,29829	-0,48679	5,15920	1,62280	1,79613	3,41893	0,21672	1,79091	0,32567	0,71293	4,66045	3,85296	3,15229	0,90090	0,89946															
209	0,14883	-1,34056	8,66836	0,79669	1,33462	2,13131	0,10663	92,35691	0,15602	0,38240	3,46773	2,95729	2,47685	0,67569	0,70556															
210	0,12819	-0,93029	5,75129	0,86450	0,97603	1,84053	0,09496	87,76916	0,14267	0,31944	3,47633	2,95475	2,45915	0,21811	0,31208															
211	0,12278	-1,35347	8,31888	0,64382	1,16673	1,81055	0,08688	98,43640	0,12349	0,32684	3,58594	3,09433	2,59404	0,64378	0,70273															
212	0,21855	-1,31046	7,26686	0,89183	1,85086	2,74269	0,15907	76,25501	0,22140	0,57623	3,32424	2,91232	2,44298	0,28165	0,32604															
213	0,18381	-2,02373	11,29910	0,76396	1,83623	2,60019	0,12453	91,43065	0,17056	0,50674	3,05492	2,61228	2,18576	0,63682	0,67119															
214	0,22377	-0,90992	11,48589	2,04363	2,37905	4,42268	0,15082	0,11153	0,20388	0,52024	3,88027	3,32776	2,85963	0,49936	0,53258															
215	0,10069	-1,08880	10,24596	0,60003	1,12080	1,72083	0,07195	99,60015	0,10790	0,22247	3,93183	3,24692	2,64704	0,65701	0,68578															
216	0,18808	-1,04685	7,46079	0,94513	1,51998	2,46511	0,12993	70,15740	0,19072	0,50089	4,56323	3,84887	3,18737	0,76806	0,78917															
217	0,22450	-0,43342	4,76693	1,44968	1,50359	2,95328	0,17169	1,39404	0,24761	0,51769	4,05597	3,49036	2,95992	0,36627	0,45699															
218	0,30383	-1,96988	12,50723	1,70075	2,57591	4,27667	0,20017	0,62032	0,26698	0,81090	4,66132	3,91738	3,28529	0,47278	0,55014															
219	0,13753	-1,54060	10,81570	0,58988	1,34674	1,93662	0,09826	98,73118	0,14471	0,32641	4,01336	3,41369	2,87103	0,47570	0,53475															
220	0,13804	-1,34728	11,86225	0,82146	1,84177	2,66323	0,09620	92,71388	0,14383	0,32288	3,67542	3,10224	2,57646	0,37069	0,44521															
221	0,24561	-0,61035	5,46428	0,98985	1,79083	2,78068	0,18333	53,37820	0,29035	0,54206	4,94662	4,18175	3,48083	0,79410	0,81428															
222	0,27697	-0,71419	10,98493	2,40853	2,68229	5,09082	0,18751	0,16036	0,25573	0,65023	4,04456	3,39298	2,81100	0,73314	0,74899															

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Str #2 (s = 0.500) <no unit>	Std (Reference angle = 0.00°)	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vv (p = 10.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vmp (p = 10.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vmc (p = 10.0%, q = 80.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vvc (p = 10.0%, q = 80.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Vvw (p = 80.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	Spd (pruning = 5.00%) < $1/\mu\text{m}^2$ >	Spc (pruning = 5.00%) < $1/\mu\text{m}^2$ >	S10z (pruning = 5.00%) < $\mu\text{m}$ >	S5p (pruning = 5.00%) < $\mu\text{m}$ >
196	0,79410	98,252	0,277505	2,516124	0,013354	0,250714	0,013354	0,150361	0,190796	0,059919	0,001111	0,500479	5,389199	1,165621
197	0,79440	144,002	0,846396	7,829724	0,060438	0,299948	0,060438	0,122393	0,186539	0,113410	0,000425	2,757836	16,310177	4,720543
198	0,43799	67,750	0,087565	0,367856	0,005350	0,109548	0,005350	0,068640	0,088466	0,021081	0,005458	0,550861	1,468536	0,510183
199	0,43035	125,750	0,140258	0,854510	0,006190	0,219601	0,006190	0,163177	0,188649	0,030952	0,002059	0,350136	2,795611	0,555047
200	0,53544	8,756	0,154871	1,116373	0,007748	0,208165	0,007748	0,144706	0,180958	0,027207	0,005229	0,686874	2,515198	0,821659
201	0,40034	16,990	0,117800	0,658946	0,008704	0,188542	0,008704	0,123213	0,159719	0,028823	0,005262	0,279249	1,700588	0,616063
202	0,55642	112,245	0,213043	2,018270	0,014837	0,327161	0,014837	0,237953	0,281089	0,046072	0,006961	0,492574	2,518630	1,196356
203	0,52627	112,488	0,142965	0,952477	0,009041	0,207610	0,009041	0,145080	0,178267	0,029343	0,005196	0,591606	2,207570	1,041896
204	0,89745	67,500	0,153899	1,100413	0,008588	0,219800	0,008588	0,157521	0,186573	0,033227	0,004771	0,312361	2,425555	0,666695
205	0,88195	47,743	0,176560	1,382778	0,008693	0,219920	0,008693	0,155150	0,180991	0,038930	0,004870	0,469274	2,584873	0,732539
206	0,36889	50,757	0,160942	1,154448	0,008973	0,246560	0,008973	0,171776	0,214428	0,032132	0,002615	0,597093	2,685190	0,891911
207	0,47807	86,494	0,141841	0,944311	0,008348	0,215087	0,008348	0,149856	0,177183	0,037904	0,003072	0,357663	2,190426	0,670579
208	0,88836	93,246	0,243400	2,592886	0,017314	0,342989	0,017314	0,223648	0,295180	0,047809	0,006732	0,761005	3,072568	1,390861
209	0,72022	166,748	0,122747	0,712190	0,006045	0,162065	0,006045	0,111356	0,136892	0,025173	0,004575	0,355324	1,753423	0,572269
210	0,39842	122,492	0,102439	0,507776	0,005044	0,147717	0,005044	0,101078	0,126797	0,020920	0,005654	0,394463	1,501237	0,652649
211	0,76451	8,738	0,105599	0,537275	0,005788	0,129281	0,005788	0,087918	0,107383	0,021898	0,006765	0,538227	1,489613	0,519242
212	0,36580	42,501	0,156951	1,145791	0,008442	0,229838	0,008442	0,168896	0,191738	0,038100	0,003497	0,444376	2,229817	0,755996
213	0,70039	34,249	0,164032	1,224747	0,006753	0,177315	0,006753	0,121759	0,140751	0,036564	0,004739	0,461248	2,177572	0,590380
214	0,57022	7,997	0,161113	1,161553	0,013879	0,217758	0,013879	0,147831	0,180411	0,037347	0,001928	0,609007	3,152238	1,280648
215	0,71416	49,752	0,098564	0,471990	0,005233	0,113129	0,005233	0,075394	0,098059	0,015070	0,008366	0,488525	1,457340	0,485685
216	0,80133	159,245	0,140199	0,920808	0,010176	0,200892	0,010176	0,126244	0,168263	0,032630	0,005850	0,537256	2,031381	0,830636
217	0,53110	58,001	0,150822	1,083422	0,010582	0,258193	0,010582	0,192100	0,226066	0,032127	0,006340	0,675237	2,197018	0,988077
218	0,60764	73,248	0,216686	2,002885	0,014527	0,281509	0,014527	0,192542	0,224636	0,056872	0,003791	0,645409	3,665690	1,371570
219	0,58690	42,747	0,116893	0,647626	0,005698	0,150408	0,005698	0,102139	0,128230	0,022178	0,005556	0,645534	1,794949	0,515173
220	0,48566	35,994	0,108716	0,555942	0,006906	0,150739	0,006906	0,096610	0,128772	0,021967	0,003628	0,422204	1,937619	0,662259
221	0,83428	8,498	0,176443	1,448770	0,012068	0,302418	0,012068	0,194218	0,267675	0,034743	0,007321	0,645154	2,460339	0,920102
222	0,76132	129,251	0,225465	1,952953	0,017107	0,272838	0,017107	0,187533	0,228591	0,044248	0,002418	0,677199	4,110478	1,857107

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm²>	Sha (pruning = 5.00%) <μm²>	Sdv (pruning = 5.00%) <μm³>	Shv (pruning = 5.00%) <μm³>	Svd (pruning = 5.00%) <1/μm²>	Svc (pruning = 5.00%) <1/μm²>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>	Spq <no unit>	Svq <no unit>	Smq <no unit>
196	4,223578	216,472	439,67	11,96725	19,29633	0,003562	-1,295466	0,279031	0,262957	0,591637	15,002110	79,019842	0,19386	2,61359	98,07
197	11,58963	168,727	933,82	32,96060	10,10893	0,001601	-14,32491	0,257044	0,926886	1,209369	14,761140	81,677357	*****	*****	*****
198	0,958352	159,489	146,26	1,326879	1,54022	0,006079	-0,420536	0,167021	0,106688	0,220736	11,394531	83,636791	0,08656	0,28984	90,37
199	2,240564	294,728	551,15	6,310199	19,26983	0,002909	-0,569765	0,410997	0,117128	0,307964	7,644320	84,447283	0,13384	0,28990	71,18
200	1,693539	171,036	173,88	2,638149	3,20310	0,005458	-0,985185	0,399928	0,155072	0,279641	8,372803	87,459246	0,15495	0,94047	98,46
201	1,084524	179,503	197,68	2,877474	3,25653	0,005523	-0,525004	0,312452	0,174786	0,300295	10,778989	85,008808	0,14647	0,39660	91,79
202	1,322275	108,851	140,83	2,276751	3,23848	0,009445	-0,850222	0,548934	0,297031	0,450542	10,098194	82,187933	0,24465	0,42262	77,58
203	1,165674	181,472	195,65	2,907818	4,16073	0,005654	-0,692309	0,367568	0,180961	0,294066	9,610823	84,876923	0,15874	0,43497	92,94
204	1,758860	128,859	222,20	2,112101	6,67964	0,007419	-0,628038	0,383561	0,170830	0,332874	9,307041	83,613979	0,16696	0,95898	98,40
205	1,852334	140,625	204,00	2,216169	5,19097	0,007027	-0,920077	0,361763	0,173708	0,393104	9,700919	82,379448	0,16395	0,91554	96,82
206	1,793279	206,297	259,53	3,972738	7,60682	0,003758	-1,236767	0,449695	0,178907	0,324323	9,406072	86,141748	0,17412	0,43635	91,43
207	1,519847	188,907	359,78	3,401771	7,50490	0,005458	-0,712389	0,366176	0,168302	0,384664	9,156878	83,370030	0,15265	0,46424	87,00
208	1,681707	111,791	147,79	2,604784	4,95785	0,008922	-1,220700	0,567401	0,346082	0,472750	11,315265	84,913743	0,26726	0,52627	88,85
209	1,181153	142,953	215,91	1,918221	3,99144	0,007419	-0,455949	0,285592	0,120203	0,260826	9,346978	85,069254	0,11631	0,33595	90,04
210	0,848587	143,685	184,77	1,553700	2,12967	0,007092	-0,402916	0,266134	0,100626	0,212387	9,477602	85,909623	0,10307	0,28262	90,40
211	0,970371	150,234	127,63	1,457670	1,71400	0,006471	-0,356974	0,218382	0,115845	0,224873	9,754911	83,979164	0,09981	0,46890	97,29
212	1,473821	164,397	322,49	2,772452	5,96073	0,006406	-0,666904	0,413871	0,170873	0,385576	7,894443	83,466856	0,15906	0,47113	86,72
213	1,587192	117,554	201,05	2,189235	4,13876	0,008595	-0,515069	0,272409	0,135057	0,369305	10,235728	81,395090	0,12449	0,59998	92,20
214	1,871589	253,670	317,35	6,508639	12,08819	0,002255	-1,065122	0,372488	0,282742	0,388055	9,510368	84,375109	*****	*****	*****
215	0,971655	143,499	134,00	1,340091	1,50230	0,007844	-0,585948	0,198707	0,104421	0,155409	10,420596	86,420167	0,09384	0,62198	99,10
216	1,200745	158,718	163,77	2,801935	2,96248	0,006732	-0,656451	0,327662	0,202084	0,355482	11,143871	85,758384	0,15834	0,49808	92,10
217	1,208941	181,747	156,26	2,761775	3,20861	0,005490	-1,098730	0,489589	0,217297	0,306994	8,041013	84,861138	0,17645	0,38327	87,04
218	2,294120	189,590	262,95	4,966778	8,11480	0,005164	-1,147832	0,444296	0,291338	0,581994	9,829091	82,080712	0,22028	1,13624	94,00
219	1,279776	159,298	171,23	1,598028	2,84741	0,005654	-0,992596	0,280017	0,114006	0,240496	8,658093	87,119291	0,11431	0,68811	98,09
220	1,275361	272,773	227,00	3,400979	4,86359	0,003954	-0,581707	0,262245	0,137843	0,242114	10,419031	87,118247	0,11409	0,53210	96,84
221	1,540237	142,863	135,16	3,003666	3,12459	0,007321	-1,109530	0,535998	0,246365	0,365244	11,028410	88,426424	0,22675	0,68122	96,92
222	2,253371	232,515	380,03	6,886101	13,67126	0,003464	-1,576512	0,475178	0,349896	0,462462	9,317132	84,703610	0,22017	0,90818	95,43

Type	Locality	Family	Taxa	Direction	Molar	Orientation	Facet	Scan's Filename	Selection [0=not used/1=used in statistics/ 2=used its median]	Specimen	Table correspond.
Fossil	Gerakarou	Bovidae	<i>Gazella bouvrinae</i>	Upper	UM2	dex	par-ml	Zinv-GER-197-UM2d-par-ml.mnt	0	GER-197	223
				Upper	UM2	dex	ptc-ml	Zinv-GER-197-UM2d-ptc-ml.mnt	1	GER-197	224
				Upper	UM2	sin	par-ml	Zinv-GER-198-UM2s-par-ml.mnt	0	GER-198	225
				Upper	UM2	sin	ptc-ml	Zinv-GER-198-UM2s-ptc-ml.mnt	1	GER-198	226
				Upper	UM2	dex	par-ml	Zinv-GER-199-UM2d-par-ml.mnt	0	GER-199	227
				Upper	UM2	dex	ptc-ml	Zinv-GER-199-UM2d-ptc-ml.mnt	1	GER-199	228
				Upper	UM2	dex	par-ml	Zinv-GER-201-UM2d-par-ml.mnt	0	GER-201	229
				Upper	UM2	dex	ptc-ml	Zinv-GER-201-UM2d-ptc-ml.mnt	1	GER-201	230
				Upper	UM2	sin	par-ml	Zinv-GER-204-UM2s-par-ml.mnt	0	GER-204	231
				Upper	UM2	sin	ptc-ml	Zinv-GER-204-UM2s-ptc-ml.mnt	1	GER-204	232
				Upper	UM2	dex	par-ml	Zinv-GER-209-UM2d-par-ml.mnt	0	GER-209	233
				Upper	UM2	dex	ptc-ml	Zinv-GER-209-UM2d-ptc-ml.mnt	1	GER-209	234
				Upper	UM2	sin	par-ml	Zinv-GER-210-UM2s-par-ml.mnt	0	GER-210	235
				Upper	UM2	sin	ptc-ml	Zinv-GER-210-UM2s-ptc-ml.mnt	1	GER-210	236
				lower	lm2	sin	ptcd-db	Zinv-GER-219-lm2s-ptcd-mb.mnt	1	GER-219	237
				lower	lm2	dex	ptcd-db	Zinv-GER-221-lm2d-ptcd-mb.mnt	1	GER-221	238
				lower	lm2	dex	ptcd-db	Zinv-GER-222-lm2d-ptcd-mb.mnt	1	GER-222	239
				lower	lm2	dex	ptcd-db	Zinv-GER-223-lm2d-ptcd-mb.mnt	1	GER-223	240
				lower	lm2	dex	ptcd-db	Zinv-GER-225-lm2d-ptcd-mb.mnt	1	GER-225	241
				lower	lm2	sin	ptcd-db	Zinv-GER-226-lm2s-ptcd-mb.mnt	1	GER-226	242
				lower	lm2	sin	ptcd-db	Zinv-GER-227-lm2s-ptcd-mb.mnt	1	GER-227	243
				lower	lm2	sin	ptcd-db	Zinv-GER-228-lm2s-ptcd-mb.mnt	1	GER-228	244
				lower	lm2	sin	ptcd-db	Zinv-GER-229-lm2s-ptcd-mb.mnt	1	GER-229	245
				lower	lm2	sin	ptcd-db	Zinv-GER-235-lm2s-ptcd-mb.mnt	1	GER-235	246
Upper	UM2	sin	ptc-ml	Zinv-GER-236-UM2s-ptc-ml.mnt	1	GER-236	247				
lower	lm3	sin	ptcd-db	Zinv-GER-239-lm3s-ptcd-mb.mnt	1	GER-239	248				
Upper	UM1	sin	ptc-ml	Zinv-GER-242-UM1s-ptc-ml.mnt	1	GER-242	249				
Upper	UM1	sin	par-ml	Zinv-GER-244-UM1s-par-ml.mnt	0	GER-244	250				

Table correspond.	Scale Sensitive Fractal Analyses (SSFA)						Volume Scale - Filling 3D Square			Disparities of parameters		
	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax) /epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (HAsfc36/H36)	HAsfc81 (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftfv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
223	1,375031	0,998607	132,50081	0,005596	0,404193	0,455529	0,576586	49488,844	72264,204	0,146396	0,137227	0,128735
224	1,391948	0,999002	1,756703	0,002778	0,327329	0,672603	1,013057	33788,546	50673,732	0,139298	0,419985	0,252881
225	1,542621	0,995470	0,224203	0,004915	0,421496	0,784529	1,014373	34763,739	58409,080	0,078211	0,028155	0,224429
226	1,066201	0,998787	0,771037	0,009014	0,590685	1,101167	1,412659	27834,145	47970,730	0,285695	0,554728	0,446733
227	1,286486	0,996568	0,224203	0,004871	0,493499	0,584262	0,645379	48187,528	69101,759	0,184390	0,020661	0,102088
228	5,747449	0,998547	0,224203	0,006601	0,493094	0,698644	0,976515	53645,439	73464,234	0,897758	0,279012	0,209382
229	1,211230	0,995933	0,275453	0,002893	0,325439	0,380167	0,482182	50466,504	69193,234	0,217858	0,390052	0,148297
230	0,499757	0,998504	0,947286	0,004208	0,533873	0,820966	1,100514	33149,015	56348,135	0,606103	0,099076	0,271990
231	2,247880	0,998727	3,257733	0,001473	0,368656	0,513874	0,572679	50355,886	70934,878	0,166596	0,843702	0,146103
232	3,610512	0,997933	0,275453	0,003291	0,345994	0,595780	0,763807	52370,899	75182,943	0,516933	0,292788	0,185337
233	2,032828	0,997754	0,338417	0,002865	0,374783	0,548092	0,766709	51429,966	73679,032	0,098089	0,397321	0,167208
234	1,824850	0,998654	1,163823	0,006037	0,255672	0,436921	0,509638	47651,406	66060,210	0,027049	0,201904	0,090900
235	0,619444	0,993675	7,422298	0,007692	0,542478	0,945699	1,172450	64896,069	86855,929	0,529323	0,413114	0,399770
236	1,602399	0,997638	1,429857	0,004207	0,399067	0,546283	0,561753	49300,526	69049,780	0,054973	0,099311	0,124922
237	0,618518	0,998615	1,429857	0,005520	0,287961	0,405940	0,515894	42737,812	62881,234	0,529895	0,125583	0,017925
238	1,764888	0,998127	0,275453	0,003878	0,486169	0,678129	0,869313	45805,005	68562,620	0,005594	0,164527	0,051382
239	2,960824	0,997546	0,224203	0,004939	0,413547	0,479126	0,626052	43893,402	62774,083	0,365046	0,032278	0,008754
240	1,367005	0,998880	0,627581	0,004826	0,209738	0,376869	0,384375	53531,011	74650,106	0,149781	0,013084	0,207247
241	1,285436	0,995795	0,224203	0,005774	0,128677	0,251787	0,353472	43266,944	63034,763	0,184850	0,163769	0,005621
242	2,316229	0,998670	0,947286	0,001432	0,741378	0,767598	0,913220	41394,616	62371,995	0,187422	0,860557	0,049858
243	2,287979	0,998199	0,275453	0,005861	0,544542	0,730793	0,836794	30047,425	49276,255	0,178867	0,176569	0,370223
244	1,222973	0,994465	0,275453	0,003899	0,364453	0,795157	0,936107	42285,887	59852,151	0,212561	0,160228	0,028556
245	1,148656	0,998283	1,756703	0,005110	0,296001	0,345935	0,496347	32509,484	53428,457	0,246564	0,060630	0,291470
246	1,318232	0,997788	1,756703	0,004416	0,399736	0,589406	0,696645	40181,031	58358,296	0,170602	0,059875	0,079613
247	3,158854	0,997359	0,275453	0,002991	0,336928	0,402811	0,488607	36189,240	61277,655	0,413833	0,365153	0,184243
248	9,723558	0,986616	20,776242	0,005650	1,361415	1,660189	1,800574	42128,388	64063,530	1,361037	0,145324	0,032287
249	2,953067	0,997709	0,224203	0,005999	0,521755	0,598400	0,677256	22872,906	45611,713	0,363085	0,196404	0,643036
250	1,468458	0,998444	1,429857	0,006175	0,329157	0,467246	0,550293	53325,045	75158,237	0,107813	0,221277	0,203392

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Sq <μm>		Ssk <no unit>		Sku <no unit>		Sp<μm>		Sv<μm>		Sz<μm>		Sa<μm>		Smr (c = 1.00 μm below highest peak) <%>		Smc (p = 10.0%) <μm>		Sxp (p = 50.0%, q = 97.5%) <μm>		Sal (s = 0.300) <μm>		Sal #1 (s = 0.400) <μm>		Sal #2 (s = 0.500) <μm>		Str (s = 0.300) <no unit>		Str #1 (s = 0.400) <no unit>																																																																																																																																																																																																																																																																																																																																																																																																							
	223	0,19306	-0,89510	5,33059	0,81340	1,05866	1,87206	0,13917	88,00754	0,21350	0,52022	4,24418	3,59302	2,99850	0,22140	0,24746	0,16537	-1,36364	9,16693	0,93802	1,77488	2,71291	0,11076	76,40900	0,15349	0,44379	3,21055	2,76307	2,35611	0,63136	0,65319	0,14002	-0,78299	4,78798	0,59109	1,04720	1,63829	0,10544	98,82870	0,15570	0,35153	4,18432	3,63005	3,08074	0,20862	0,30079	0,14514	-1,14490	6,22415	0,65251	1,40100	2,05351	0,10575	97,21716	0,15517	0,37962	4,55568	3,91255	3,30010	0,17130	0,22568	0,10192	-0,61319	5,16873	0,85443	0,76757	1,62200	0,07645	92,25630	0,11519	0,24139	3,70506	3,16155	2,68492	0,43436	0,54397	0,21214	-0,51695	4,84587	0,99189	1,55998	2,55188	0,16170	55,71582	0,23841	0,48369	5,02679	4,10930	3,32761	0,50049	0,57083	0,11948	-0,36783	4,41582	1,12405	0,80639	1,93044	0,09269	13,55024	0,14335	0,26889	3,82270	3,23618	2,69534	0,52520	0,54476	0,10894	-2,40409	14,77170	0,43931	1,07169	1,51101	0,07194	99,54657	0,09802	0,29872	4,23852	3,65932	3,11092	0,50607	0,55297	0,21877	-0,53298	5,28222	1,01498	1,66092	2,67590	0,16266	50,88382	0,23709	0,50860	3,89193	3,34826	2,86241	0,61631	0,65262	0,23555	-1,01560	7,68848	1,15423	1,76811	2,92234	0,16429	20,02922	0,24557	0,58145	4,40109	3,69515	3,06317	0,71261	0,74310	0,14569	-0,52288	7,02873	0,90988	1,15337	2,06324	0,10412	78,90341	0,16309	0,31990	3,38813	2,84067	2,36089	0,65448	0,66774	0,18587	-1,10694	6,71231	0,78050	1,27578	2,05628	0,13315	89,85484	0,19012	0,47071	3,77430	3,22798	2,70866	0,40724	0,46791	0,10392	-0,60350	8,05049	0,52211	0,92438	1,44649	0,07523	99,71776	0,11557	0,20597	4,60979	3,81961	3,14156	0,73720	0,76914	0,17841	-0,30468	6,00647	1,29693	1,18463	2,48156	0,12924	3,90855	0,19393	0,41152	3,49761	3,03946	2,58911	0,40026	0,47904	0,11413	-0,87463	5,18395	0,47434	0,69529	1,16963	0,08617	99,83930	0,12835	0,28294	3,89448	3,28583	2,72448	0,22769	0,30055	0,15847	-1,04370	7,92013	0,98439	1,74476	2,72914	0,11321	62,13224	0,16293	0,40045	4,35382	3,56017	2,92506	0,44607	0,52520	0,16785	-1,31562	7,14625	0,66757	1,43311	2,10068	0,12162	95,77505	0,17331	0,44692	4,15251	3,49548	2,92880	0,50358	0,56302	0,13061	-0,56371	4,85486	0,57042	0,88934	1,45976	0,09857	99,39536	0,15641	0,28813	4,26103	3,47238	2,81661	0,81559	0,85846	0,16137	-0,09732	3,45271	0,69219	0,77364	1,46583	0,12739	97,26079	0,19821	0,31805	3,86651	3,37873	2,90534	0,18158	0,30560	0,24242	-0,81625	7,65466	1,48057	1,95257	3,43314	0,16940	2,36907	0,24024	0,57039	4,30101	3,64511	3,04884	0,68590	0,72133	0,21677	-2,18504	15,67087	1,17823	2,21007	3,38830	0,14492	12,37730	0,19587	0,51369	3,90392	3,37359	2,86386	0,29487	0,38731	0,13805	-2,38951	16,87769	0,70544	1,75697	2,46241	0,09256	96,94812	0,13033	0,34589	3,81052	3,26292	2,73032	0,38595	0,44678	0,13975	-0,83909	6,40486	0,68995	1,35585	2,04580	0,10668	97,62385	0,16114	0,31734	3,10445	2,68505	2,29311	0,25921	0,37683	0,17988	-1,21661	7,53553	0,74011	1,59489	2,33500	0,12789	92,70604	0,18892	0,46175	3,79732	3,27765	2,78544	0,36563	0,42304	0,22398	-0,72759	5,43524	0,94605	2,09547	3,04152	0,16708	66,53800	0,23960	0,55214	4,20395	3,59463	3,01435	0,73022	0,75758	0,41741	-2,61242	31,46644	2,61529	6,65804	9,27332	0,25176	0,17470	0,40880	0,73168	3,96446	3,32071	2,74600	0,56063	0,60944	0,10434	-1,92910	14,62840	0,93388	1,13215	2,06604	0,06607	84,86790	0,08815	0,27067	3,17451	2,69153	2,26454	0,48798	0,54580	0,16911	-0,73455	6,61663	1,56076	1,46749	3,02824	0,12512	0,13826	0,18765	0,39346	4,41745	3,71934	3,08949	0,69648

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Str #2 (s = 0.500) <no unit>	Std (Reference angle = 0.00°)	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) <μm³/μm²>	Vv (p = 10.0%) <μm³/μm²>	Vmp (p = 10.0%) <μm³/μm²>	Vmc (p = 10.0%, q = 80.0%) <μm³/μm²>	Vvc (p = 10.0%, q = 80.0%) <μm³/μm²>	Vvw (p = 80.0%) <μm³/μm²>	Spd (pruning = 5.00%) <1/μm²>	Spc (pruning = 5.00%) <1/μm²>	S10z (pruning = 5.00%) <μm>	S5p (pruning = 5.00%) <μm>
223	0,28117	117,999	0,124560	0,747122	0,008932	0,222428	0,008932	0,139221	0,188751	0,033678	0,008301	0,412836	1,690013	0,675819
224	0,66719	47,498	0,133095	0,823706	0,008673	0,162164	0,008673	0,105024	0,130615	0,031549	0,003660	0,408092	2,084507	0,848215
225	0,45607	57,511	0,104024	0,519534	0,006028	0,161724	0,006028	0,113952	0,139385	0,022339	0,006765	0,661095	1,391114	0,515534
226	0,31055	50,982	0,089220	0,384303	0,005720	0,160893	0,005720	0,109869	0,134812	0,026081	0,003824	0,571113	1,574704	0,592275
227	0,62267	132,252	0,088007	0,378165	0,004691	0,119876	0,004691	0,083748	0,104587	0,015290	0,007059	0,540161	1,309111	0,624642
228	0,61062	147,498	0,195767	1,757365	0,010105	0,248512	0,010105	0,179601	0,218542	0,029970	0,009380	1,150208	2,387417	0,955997
229	0,56520	118,250	0,095474	0,445011	0,005019	0,148373	0,005019	0,102631	0,131877	0,016496	0,005490	0,394816	1,245597	0,561265
230	0,59708	125,003	0,073734	0,262592	0,003995	0,102013	0,003995	0,067979	0,080633	0,021380	0,003954	0,474651	1,375779	0,364665
231	0,69597	86,509	0,151561	1,097314	0,012286	0,249380	0,012286	0,175564	0,217237	0,032143	0,007484	0,401062	2,203577	0,912830
232	0,76863	3,498	0,183835	1,536549	0,012650	0,258223	0,012650	0,166107	0,218237	0,039985	0,005850	0,690102	2,439128	0,938367
233	0,68012	42,754	0,130845	0,803965	0,009086	0,172174	0,009086	0,106202	0,151766	0,020407	0,008268	0,497331	1,735125	0,706573
234	0,51148	110,750	0,141927	0,950240	0,009054	0,199177	0,009054	0,136022	0,166710	0,032468	0,007288	0,424857	1,931567	0,691642
235	0,79772	168,999	0,071434	0,248815	0,006503	0,122074	0,006503	0,078818	0,107882	0,014191	0,005327	0,319463	1,291763	0,496302
236	0,53648	168,250	0,134894	0,859146	0,011210	0,205145	0,011210	0,133129	0,179182	0,025963	0,005458	0,402251	1,956682	0,942720
237	0,34914	107,012	0,079606	0,313554	0,004369	0,132715	0,004369	0,094649	0,114997	0,017718	0,008399	0,245203	1,052723	0,382965
238	0,56736	39,254	0,126129	0,742989	0,007796	0,170725	0,007796	0,117699	0,143349	0,027376	0,003987	0,588424	1,778279	0,673609
239	0,60021	73,260	0,145693	0,996969	0,006374	0,179681	0,006374	0,128173	0,150076	0,029605	0,007844	0,717949	1,926637	0,608420
240	0,89256	132,249	0,113210	0,623648	0,006118	0,162528	0,006118	0,107605	0,144218	0,018311	0,012354	0,373941	1,319797	0,486392
241	0,37733	57,752	0,102855	0,520879	0,008083	0,206291	0,008083	0,144245	0,187774	0,018517	0,007974	0,392432	1,390398	0,664869
242	0,74549	53,756	0,175149	1,376668	0,015584	0,255823	0,015584	0,174280	0,217662	0,038161	0,004477	0,628507	2,980693	1,292569
243	0,44617	3,746	0,162715	1,178916	0,010023	0,205888	0,010023	0,146178	0,168497	0,037390	0,002843	0,529132	3,017500	0,877822
244	0,49082	3,503	0,103460	0,498865	0,005020	0,135346	0,005020	0,091493	0,110199	0,025147	0,002615	0,500046	1,990560	0,556723
245	0,44254	102,993	0,106908	0,555316	0,005599	0,166737	0,005599	0,118759	0,146590	0,020147	0,005883	0,328347	1,483204	0,531641
246	0,46205	112,506	0,120996	0,695387	0,008112	0,197029	0,008112	0,129212	0,165622	0,031407	0,004412	0,345569	1,903707	0,658935
247	0,77207	96,484	0,166133	1,309931	0,011329	0,250933	0,011329	0,183127	0,215636	0,035297	0,005195	0,575188	2,305617	0,840724
248	0,64168	8,749	0,358320	4,635861	0,027257	0,436052	0,027257	0,229253	0,377460	0,058592	0,001899	1,320929	6,287244	1,834832
249	0,59594	43,008	0,112259	0,604440	0,005701	0,093854	0,005701	0,059629	0,073998	0,019856	0,003375	0,823827	1,576542	0,601623
250	0,71935	129,003	0,120278	0,693556	0,007507	0,195161	0,007507	0,134959	0,169042	0,026118	0,003595	0,392088	2,015456	0,882311

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm²>	Sha (pruning = 5.00%) <μm²>	Sdv (pruning = 5.00%) <μm³>	Shv (pruning = 5.00%) <μm³>	Svd (pruning = 5.00%) <1/μm²>	Svc (pruning = 5.00%) <1/μm²>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>	Spq <no unit>	Svq <no unit>	Smq <no unit>
223	1,014194	137,523	124,32	1,778103	2,01596	0,007027	-0,434258	0,364238	0,182305	0,366245	11,586212	86,275305	*****	*****	*****
224	1,236292	206,613	267,12	3,219704	4,56914	0,004837	-0,538750	0,248931	0,171294	0,323023	11,007049	82,805681	0,12964	0,44553	90,84
225	0,875580	172,409	159,37	1,293018	1,71240	0,005981	-0,670995	0,297239	0,118975	0,224864	8,957619	85,653201	*****	*****	*****
226	0,982430	174,900	227,73	1,795973	2,90758	0,005523	-0,577429	0,272648	0,114404	0,259591	10,030763	83,810578	0,11828	0,33562	91,38
227	0,684470	166,963	140,51	1,708853	1,70601	0,006177	-0,547321	0,213280	0,093827	0,150629	9,941481	85,333167	0,09025	0,20257	92,41
228	1,431421	71,260	97,51	0,837157	2,15419	0,011733	-1,688067	0,470504	0,203018	0,292996	8,581035	86,090862	0,18368	0,45804	95,20
229	0,684333	179,974	190,79	2,321512	2,91424	0,005817	-0,504449	0,287418	0,098249	0,157390	8,842807	88,103616	0,10522	0,17748	85,74
230	1,011115	190,460	208,76	1,670793	1,46384	0,005229	-0,418956	0,167998	0,079968	0,226158	9,061630	83,572461	0,07463	0,43354	94,14
231	1,290747	151,690	129,34	2,815849	3,95773	0,006994	-0,459795	0,445218	0,246331	0,319708	9,710182	85,200667	0,20756	0,50789	96,66
232	1,500761	132,468	170,33	2,921762	4,01569	0,008007	-0,907863	0,389629	0,253992	0,408576	12,486637	83,452323	0,19857	0,68154	94,64
233	1,028553	142,994	121,56	2,106397	2,06069	0,007451	-0,537116	0,284222	0,183385	0,227641	12,135324	88,193213	0,13637	0,37758	95,89
234	1,239924	109,112	138,48	1,919114	2,27602	0,009183	-0,485889	0,342370	0,181212	0,330687	9,633044	84,265519	0,15225	0,45166	91,24
235	0,795461	209,842	191,20	1,622830	2,05689	0,004902	-0,336027	0,208301	0,130368	0,140467	11,349490	86,792422	*****	*****	*****
236	1,013962	181,480	197,07	2,372813	3,45815	0,005752	-0,420084	0,354352	0,222047	0,270453	10,976248	86,978073	0,16523	0,36102	93,63
237	0,669758	113,963	121,99	0,936918	0,99162	0,009053	-0,280822	0,245292	0,086099	0,178241	8,674695	85,648719	0,09013	0,21240	85,99
238	1,104670	200,808	255,36	2,554982	4,12797	0,004968	-0,610155	0,278450	0,155781	0,272023	10,582839	82,838431	0,12717	0,32235	87,96
239	1,318217	102,353	122,26	1,157844	2,11555	0,009608	-0,962622	0,315625	0,126949	0,297232	8,727164	83,554528	0,12691	0,38712	88,58
240	0,833405	77,930	81,80	0,777119	1,05652	0,012484	-0,449748	0,283078	0,125981	0,182162	11,199914	87,054435	0,12077	0,34009	97,04
241	0,725529	128,999	133,66	0,833545	1,74306	0,007353	-0,754089	0,408351	0,160640	0,168842	9,049779	89,849771	0,15904	0,25622	97,76
242	1,688124	196,555	220,40	4,043437	5,76492	0,005131	-0,758389	0,415102	0,306404	0,385649	10,956133	83,479899	0,21627	0,64441	94,44
243	2,139678	167,404	346,55	3,724291	6,99092	0,005229	-1,229589	0,346841	0,203927	0,381361	8,989075	82,648124	0,16434	1,08366	96,71
244	1,433837	234,787	428,16	3,572352	6,30764	0,004379	-0,498012	0,232825	0,100752	0,265637	8,898262	84,445888	0,09977	0,68121	96,55
245	0,951563	138,690	160,18	1,752315	2,51071	0,007353	-0,289783	0,320022	0,109231	0,194868	8,479420	86,764474	0,11653	0,21771	85,40
246	1,244772	202,497	219,01	2,820503	3,27619	0,005229	-0,496022	0,331397	0,162077	0,330500	10,640947	85,306068	0,14723	0,36054	87,85
247	1,464893	159,452	198,19	3,593592	5,59869	0,006453	-0,839023	0,435282	0,226479	0,347371	9,578691	83,032679	0,19653	0,34773	83,28
248	4,452413	280,742	466,50	16,61348	30,65215	0,003076	-3,298202	0,573016	0,548241	0,700339	15,735940	87,447954	0,32516	3,89407	98,73
249	0,974919	107,020	194,69	1,421283	1,85578	0,009001	-0,924417	0,144852	0,111947	0,209363	10,622904	83,396716	0,08516	0,42137	95,43
250	1,133146	215,300	278,03	4,486238	7,33509	0,004673	-0,458707	0,347835	0,149705	0,259482	9,811459	85,430263	0,14120	0,45840	95,57

Type	Locality	Family	Taxa	Direction	Molar	Orientation	Facet	Scan's Filename	Selection [0=not used/1=used in statistics/ 2=used its median]	Specimen	Table correspond.
Fossil	Gerakarou	Bovidae	<i>Gazella bouvrinae</i>	Upper	UM1	sin	ptc-ml	Zinv-GER-244-UM1s-ptc-ml.mnt	1	GER-244	251
				Upper	UM2	sin	ptc-ml	Zinv-GER-369-UM2s-ptc-ml-tapho question.mnt	0	GER-369	252
		lower	lm1	dex	ptcd-db	Zinv-GER-1-lm1d-ptcd-mb.mnt	1	GER-1	253		
		lower	lm2	dex	ptcd-db	Zinv-GER-135-lm2d-ptcd-mb.mnt	2	GER-135	254		
		lower	lm2	sin	ptcd-db	Zinv-GER-135a-lm2s-ptcd-mb.mnt	2	GER-135a	255		
		median	-	-	-	-	1	GER-135	256		
		lower	lm1	sin	ptcd-db	Zinv-GER-140-lm1s-ptcd-mb.mnt	1	GER-140	257		
		lower	lm1	dex	ptcd-db	Zinv-GER-146-lm1d-ptcd-mb.mnt	1	GER-146	258		
		lower	lm1	dex	ptcd-db	Zinv-GER-147-lm1d-ptcd-mb.mnt	1	GER-147	259		
		lower	lm2	dex	ptcd-db	Zinv-GER-182-lm2d-ptcd-mb.mnt	1	GER-182 and 237	260		
		lower	lm2	dex	ptcd-db	Zinv-GER-183-lm2d-ptcd-mb.mnt	1	GER-183	261		
		Upper	UM2	dex	par-ml	Zinv-GER-185-UM2d-par-ml.mnt	0	GER-185	262		
		Upper	UM2	dex	ptc-ml	Zinv-GER-185-UM2d-ptc-ml.mnt	1	GER-185	263		
		Upper	UM2	sin	par-ml	Zinv-GER-188-UM2s-par-ml.mnt	0	GER-188	264		
		Upper	UM2	sin	ptc-ml	Zinv-GER-188-UM2s-ptc-ml.mnt	1	GER-188	265		
		Upper	UM2	dex	par-ml	Zinv-GER-192-UM2d-par-ml.mnt	0	GER-192	266		
		Upper	UM2	dex	ptc-ml	Zinv-GER-192-UM2d-ptc-ml.mnt	1	GER-192	267		
		Upper	UM2	dex	par-ml	Zinv-GER-193-UM2d-par-ml.mnt	0	GER-193	268		
		Upper	UM2	dex	ptc-ml	Zinv-GER-193-UM2d-ptc-ml.mnt	1	GER-193	269		
		Upper	UM2	sin	par-ml	Zinv-GER-194-UM2s-par-ml.mnt	0	GER-194	270		
		Upper	UM2	sin	ptc-ml	Zinv-GER-194-UM2s-ptc-ml.mnt	1	GER-194	271		
		lower	lm2	dex	ptcd-db	Zinv-GER-2-lm2d-ptcd-mb.mnt	1	GER-2	272		
		Upper	UM2	sin	par-ml	Zinv-GER-203-UM2s-par-ml.mnt	0	GER-203	273		
		Upper	UM2	sin	ptc-ml	Zinv-GER-203-UM2s-ptc-ml.mnt	1	GER-203	274		
		Upper	UM2	sin	par-ml	Zinv-GER-205-UM2s-par-ml.mnt	0	GER-205	275		
		Upper	UM2	sin	ptc-ml	Zinv-GER-205-UM2s-ptc-ml.mnt	1	GER-205	276		
		Upper	UM2	sin	ptc-ml	Zinv-GER-212-UM2s-ptc-ml.mnt	1	GER-212	277		
		Upper	UM2	sin	par-ml	Zinv-GER-213-UM2s-par-ml.mnt	0	GER-213	278		

Table correspond.	Scale Sensitive Fractal Analyses (SSFA)						Volume Scale - Filling 3D Square			Disparities of parameters		
	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax) /epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (HAsfc36/H36)	HAsfc81 (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftfv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
251	1,512835	0,997713	0,415775	0,005609	0,288376	0,522495	0,613009	49244,769	73760,609	0,089995	0,139069	0,123791
252	<b>12,275816</b>	<b>0,998964</b>	<b>0,771037</b>	<b>0,001116</b>	<b>0,218831</b>	<b>0,268060</b>	<b>0,343089</b>	<b>40208,795</b>	<b>64320,803</b>	<b>1,574538</b>	<b>0,999813</b>	<b>0,078922</b>
253	1,823806	0,997375	3,257733	0,001126	0,383082	0,542255	0,738810	39583,105	64347,767	0,194077	1,108612	0,095584
254	1,602904	0,999063	0,947286	0,004232	0,302698	0,526206	0,694381	19582,542	38094,777	0,112619	0,208240	0,799322
255	1,981694	0,996803	0,224203	0,005048	0,369554	0,447893	0,662082	38478,439	58278,091	0,248483	0,063166	0,123888
256	1,792299	0,997933	0,585744	0,004640	0,336126	0,487050	0,678231	29030,490	48186,434	0,180551	0,135703	0,461605
257	1,781871	0,998413	1,163823	0,003321	0,221716	0,293948	0,420154	46719,024	68937,625	0,179115	0,399428	0,070161
258	3,033154	0,997881	1,163823	0,002566	0,429555	0,682012	0,815257	20806,651	40685,248	0,550540	0,591606	0,738691
259	2,380406	0,996820	0,415775	0,001916	0,652248	0,942469	1,061167	50779,415	72648,119	0,373987	0,792754	0,153499
260	1,111519	0,997942	132,50081	0,007280	0,229195	0,369708	0,429033	43631,275	65571,173	0,096601	0,250848	0,001786
261	0,859949	0,998416	1,756703	0,007607	0,123154	0,263539	0,372163	43475,736	68318,777	0,223460	0,289645	0,001786
262	1,878911	0,998339	0,947286	0,004095	0,460648	0,608105	0,860358	43263,902	63185,510	0,213404	0,234777	0,006670
263	1,682559	0,998553	1,429857	0,007558	0,343077	0,397220	0,531504	38158,043	56326,618	0,142763	0,283924	0,132249
264	1,305440	0,998998	132,50081	0,007386	0,414505	0,614110	0,855254	41052,952	60665,273	0,008737	0,263552	0,059124
265	0,912625	0,997983	1,429857	0,005773	0,545795	0,640365	0,726844	35497,990	57658,132	0,195532	0,049988	0,204507
266	1,301857	0,998253	1,163823	0,002851	0,125927	0,272142	0,343286	51819,731	73017,083	0,010292	0,514763	0,173779
267	1,873169	0,998644	1,756703	0,005514	0,595285	0,682522	0,837281	53476,552	73855,357	0,211407	0,011052	0,205250
268	4,008964	0,992140	0,338417	0,006392	2,034698	2,329740	3,451678	72529,687	100760,32	0,767221	0,137438	0,509998
269	1,502850	0,998417	0,627581	0,004708	0,414372	0,686206	0,776507	51650,351	71762,342	0,073421	0,121111	0,170505
270	1,119623	0,993222	7,422298	0,005037	0,344437	0,477657	0,541009	51424,457	71357,336	0,092770	0,065117	0,166122
271	1,969793	0,998105	3,257733	0,002473	0,371193	0,474857	0,622808	41437,208	62795,188	0,244484	0,618022	0,049808
272	0,640593	0,997815	2,158261	0,005125	0,201400	0,259366	0,359058	32083,130	50690,228	0,348951	0,050584	0,305650
273	1,820922	0,998518	0,275453	0,003590	0,572853	0,580164	0,693453	19631,492	48790,888	0,193055	0,339108	0,796826
274	1,147777	0,998157	1,429857	0,006858	0,182785	0,383556	0,483186	53356,891	73990,566	0,079575	0,198576	0,203010
275	0,953027	0,996228	0,275453	0,000205	0,567747	0,819243	1,042836	41259,277	62668,570	0,174628	1,676424	0,054111
276	0,986524	0,997685	7,422298	0,003550	0,249289	0,481392	0,664752	47875,957	69206,656	0,157622	0,347843	0,094623
277	1,170498	0,995415	3,257733	0,007253	0,236670	0,441773	0,540646	22168,922	41447,346	0,069052	0,247618	0,675275
278	0,894008	0,998319	3,257733	0,005372	0,354455	0,485778	0,610212	45474,359	65165,073	0,205313	0,011052	0,043159

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Sq <μm>		Ssk <no unit>		Sku <no unit>		Sp<μm>		Sv<μm>		Sz<μm>		Sa<μm>		Smr (c = 1.00 μm below highest peak) <%>		Smc (p = 10.0%) <μm>		Sxp (p = 50.0%, q = 97.5%) <μm>		Sal (s = 0.300) <μm>		Sal #1 (s = 0.400) <μm>		Sal #2 (s = 0.500) <μm>		Str (s = 0.300) <no unit>		Str #1 (s = 0.400) <no unit>	
	Sq	Ssk	Sku	Sp	Sv	Sz	Sa	Smr	Smc	Sxp	Sal	Sal #1	Sal #2	Str	Str #1															
251	0,18685	-0,98821	5,25411	0,70300	1,24397	1,94697	0,13945	93,13508	0,19781	0,49588	4,04020	3,44266	2,89210	0,38109	0,46581															
252	<b>0,38605</b>	<b>-0,21129</b>	<b>4,69892</b>	<b>1,86712</b>	<b>2,73030</b>	<b>4,59742</b>	<b>0,29329</b>	<b>1,56278</b>	<b>0,46490</b>	<b>0,77328</b>	<b>3,73896</b>	<b>3,12835</b>	<b>2,57207</b>	<b>0,91382</b>	<b>0,92654</b>															
253	0,20046	-1,49514	8,09561	0,66288	1,95220	2,61508	0,14621	93,40258	0,20045	0,52314	4,54144	3,86038	3,23936	0,60387	0,64689															
254	0,16212	-2,01229	12,14225	0,54388	1,76754	2,31142	0,11125	98,14706	0,15200	0,43633	3,39324	2,86607	2,40587	0,40665	0,46840															
255	0,14825	-2,20236	14,86162	0,61794	2,10484	2,72277	0,10137	97,58617	0,13849	0,40244	3,32959	2,88314	2,42168	0,32278	0,40143															
256	0,15518	-2,10732	13,50193	0,58091	1,93619	2,51710	0,10631	97,86661	0,14525	0,41938	3,36142	2,87460	2,41378	0,36472	0,43491															
257	0,19053	-1,02736	5,31418	0,65768	1,34565	2,00333	0,14323	94,31384	0,20674	0,48948	3,76410	3,21285	2,70704	0,63990	0,66854															
258	0,14860	-2,70539	16,46781	0,58199	1,73461	2,31660	0,09420	97,61884	0,11982	0,43831	2,86498	2,33008	1,85921	0,65059	0,70183															
259	0,24332	-0,75444	7,23971	1,26256	1,87797	3,14053	0,17599	10,17925	0,26498	0,53385	4,64205	3,97321	3,35578	0,52783	0,55699															
260	0,18462	-0,86071	5,09930	0,69065	1,27000	1,96065	0,13635	93,70192	0,19968	0,47787	3,66102	3,20028	2,71298	0,11658	0,15856															
261	0,15659	-1,00397	4,39916	0,38409	0,91439	1,29848	0,12053	99,80142	0,17106	0,41768	4,06207	3,53380	3,02675	0,10754	0,13805															
262	0,23859	-1,19030	6,78643	1,06399	1,90252	2,96651	0,17255	43,72200	0,23926	0,62947	4,59858	3,94532	3,33734	0,56115	0,60639															
263	0,19366	-0,28224	3,90067	0,77695	0,91420	1,69116	0,14827	88,27390	0,22550	0,43145	3,67349	3,10692	2,61566	0,30508	0,34452															
264	0,20765	-1,57275	7,19895	0,90065	1,51866	2,41931	0,14636	78,86423	0,20376	0,61280	4,99027	4,21853	3,54652	0,38924	0,45175															
265	0,14939	-1,09632	9,01721	0,71917	2,10988	2,82905	0,10999	95,93661	0,15879	0,35824	3,79581	3,27015	2,78870	0,14403	0,24149															
266	0,12857	-0,21019	4,24403	0,68255	0,68491	1,36746	0,09770	98,52003	0,15200	0,27937	3,69453	3,09491	2,55243	0,70720	0,77258															
267	0,15204	-0,26891	6,11871	1,04859	1,10519	2,15378	0,11111	35,61933	0,16888	0,32551	3,16064	2,68294	2,24910	0,58850	0,62708															
268	0,19571	-0,51330	9,28401	1,25864	1,79255	3,05120	0,12741	6,49604	0,19669	0,43538	4,31322	3,64757	3,04382	0,77572	0,82033															
269	0,20299	-1,04727	7,30607	0,86238	1,91954	2,78193	0,14686	80,88734	0,21422	0,49070	4,28432	3,70467	3,14926	0,30332	0,39004															
270	0,16098	-0,54253	4,14256	0,68200	0,89769	1,57968	0,12368	96,29457	0,18682	0,37410	3,71764	3,22015	2,78045	0,40427	0,45956															
271	0,21960	-0,97006	5,33693	0,75747	1,44716	2,20464	0,16237	87,91093	0,24018	0,56565	3,87250	3,34153	2,83837	0,47297	0,53316															
272	0,09859	-1,18127	5,98527	0,29086	0,83929	1,13015	0,07215	99,99508	0,10699	0,26540	2,93319	2,46715	2,10290	0,21407	0,33656															
273	0,16355	-2,10349	17,30786	1,08490	2,48914	3,57404	0,10725	25,03715	0,15445	0,42753	4,09906	3,47777	2,91530	0,55644	0,64552															
274	0,16672	-0,66407	5,09991	0,74271	1,16910	1,91181	0,12648	93,51972	0,18827	0,37878	3,86393	3,26022	2,70850	0,23810	0,29460															
275	0,11589	-0,62708	11,98059	0,92048	1,45129	2,37177	0,08073	81,32779	0,12433	0,21627	5,13220	4,32749	3,62357	0,72191	0,77779															
276	0,14265	-0,20095	4,02652	0,66644	0,89780	1,56424	0,10892	98,23160	0,17171	0,30791	4,32177	3,63236	3,02447	0,77375	0,78239															
277	0,18688	-1,76110	11,09875	0,55383	1,93922	2,49305	0,13350	97,55433	0,19696	0,46698	3,89964	3,33092	2,84177	0,18621	0,26523															
278	0,15527	-0,72326	5,53373	0,59381	1,06673	1,66054	0,11507	98,41750	0,17615	0,36130	3,82661	3,27630	2,78333	0,26840	0,33617															

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Str #2 (s = 0.500) <no unit>	Std (Reference angle = 0.00°)	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) <μm³/μm²>	Vv (p = 10.0%) <μm³/μm²>	Vmp (p = 10.0%) <μm³/μm²>	Vmc (p = 10.0%, q = 80.0%) <μm³/μm²>	Vvc (p = 10.0%, q = 80.0%) <μm³/μm²>	Vvw (p = 80.0%) <μm³/μm²>	Spd (pruning = 5.00%) <1/μm²>	Spc (pruning = 5.00%) <1/μm²>	S10z (pruning = 5.00%) <μm>	S5p (pruning = 5.00%) <μm>
251	0,51144	49,247	0,130950	0,822386	0,007376	0,205185	0,007376	0,150588	0,173422	0,031763	0,006004	0,459281	1,758654	0,624794
252	0,92274	176,493	0,373506	5,833008	0,021652	0,486555	0,021652	0,318091	0,438155	0,048400	0,009314	0,795090	4,081169	1,705955
253	0,68891	65,006	0,141142	0,912924	0,006966	0,207419	0,006966	0,157164	0,170715	0,036704	0,003954	0,452481	2,357633	0,577781
254	0,50437	39,003	0,129815	0,793557	0,006052	0,158052	0,006052	0,111098	0,126706	0,031346	0,003235	0,382658	2,000618	0,498054
255	0,45377	132,502	0,125071	0,710554	0,005274	0,143765	0,005274	0,100929	0,115486	0,028278	0,002418	0,466107	1,894166	0,496338
256	0,47907		0,127443	0,752055	0,005663	0,150908	0,005663	0,106013	0,121096	0,029812	0,002827	0,424382	1,947392	0,497196
257	0,69636	174,503	0,140283	0,945602	0,006782	0,213520	0,006782	0,154630	0,181110	0,032410	0,008497	0,296611	1,710160	0,593265
258	0,72599	85,493	0,164215	1,212987	0,005460	0,125276	0,005460	0,084537	0,093793	0,031482	0,004020	0,480180	2,032468	0,531140
259	0,58435	39,000	0,163876	1,206073	0,013195	0,278174	0,013195	0,186897	0,242099	0,036075	0,004118	0,665487	2,878528	1,163626
260	0,20206	47,499	0,118860	0,690519	0,008360	0,208040	0,008360	0,146999	0,176844	0,031196	0,004347	0,372176	1,627374	0,536033
261	0,21553	86,005	0,093528	0,430693	0,004464	0,175521	0,004464	0,136056	0,149468	0,026053	0,005981	0,266090	1,197262	0,367399
262	0,64425	119,998	0,156122	1,124168	0,010689	0,249951	0,010689	0,180932	0,206875	0,043076	0,004771	0,469184	2,318282	0,854303
263	0,38791	149,746	0,136017	0,892945	0,010329	0,235833	0,010329	0,162837	0,209279	0,026553	0,009576	0,356457	1,608772	0,714371
264	0,51524	13,004	0,122767	0,714213	0,006644	0,210407	0,006644	0,145289	0,168113	0,042293	0,003889	0,400297	1,996198	0,622514
265	0,42161	42,483	0,101641	0,490668	0,007036	0,165821	0,007036	0,116622	0,142555	0,023267	0,002418	0,443520	1,752460	0,554871
266	0,81283	65,500	0,110438	0,595381	0,006817	0,158814	0,006817	0,105357	0,141309	0,017505	0,010720	0,286423	1,230291	0,573557
267	0,66845	167,499	0,127995	0,783005	0,009456	0,178333	0,009456	0,116133	0,157351	0,020981	0,008105	0,287082	1,781621	0,829583
268	0,85582	39,255	0,159399	1,141734	0,015356	0,212048	0,015356	0,114889	0,180940	0,031107	0,004151	0,855377	2,589616	1,047305
269	0,46850	167,007	0,128434	0,781712	0,009934	0,224156	0,009934	0,153225	0,191495	0,032661	0,003595	0,352311	2,229810	0,732746
270	0,50718	102,996	0,100455	0,495691	0,007177	0,193995	0,007177	0,134447	0,170795	0,023200	0,007549	0,233547	1,321816	0,555624
271	0,57277	47,736	0,141448	0,963816	0,008919	0,249102	0,008919	0,174935	0,211858	0,037244	0,006340	0,315735	1,914737	0,681232
272	0,40509	173,737	0,080003	0,316793	0,003504	0,110494	0,003504	0,075657	0,092700	0,017794	0,008007	0,187755	0,945827	0,275587
273	0,70242	73,259	0,132165	0,823863	0,008062	0,162514	0,008062	0,101851	0,133621	0,028893	0,002909	0,463334	2,060118	0,756194
274	0,35827	47,493	0,114339	0,636126	0,007480	0,195753	0,007480	0,137743	0,171088	0,024666	0,006961	0,399773	1,755845	0,710684
275	0,81620	50,990	0,084784	0,344121	0,007581	0,131915	0,007581	0,082157	0,117024	0,014890	0,003007	0,352459	1,742070	0,582185
276	0,78512	169,001	0,095379	0,448833	0,007690	0,179398	0,007690	0,118396	0,160607	0,018791	0,007974	0,235579	1,259455	0,572238
277	0,33825	39,494	0,115555	0,646605	0,006077	0,203034	0,006077	0,140747	0,171195	0,031839	0,003922	0,275638	1,893308	0,486812
278	0,38107	39,498	0,098183	0,473239	0,007468	0,183622	0,007468	0,121451	0,159836	0,023786	0,005523	0,289991	1,472220	0,536029

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm²>	Sha (pruning = 5.00%) <μm²>	Sdv (pruning = 5.00%) <μm³>	Shv (pruning = 5.00%) <μm³>	Svd (pruning = 5.00%) <1/μm²>	Svc (pruning = 5.00%) <1/μm>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>	Spq <no unit>	Svq <no unit>	Smq <no unit>
251	1,133860	115,226	161,29	1,600693	2,51589	0,008595	-0,543017	0,373287	0,145511	0,313892	8,169116	83,624326	0,13775	0,34228	81,05
252	<b>2,375214</b>	<b>80,478</b>	<b>111,42</b>	<b>2,460624</b>	<b>5,50029</b>	<b>0,012354</b>	<b>-1,788342</b>	<b>0,870221</b>	<b>0,437809</b>	<b>0,475688</b>	<b>11,238150</b>	<b>88,768851</b>	<b>0,37446</b>	<b>1,08685</b>	<b>98,69</b>
253	1,779852	158,557	275,66	2,939327	5,96372	0,006275	-0,807580	0,341130	0,136733	0,366445	8,914547	80,402122	0,13399	0,33400	74,24
254	1,502564	143,031	260,67	1,918014	4,26547	0,007092	-0,487148	0,255257	0,120996	0,317115	9,351868	81,837913	0,11567	0,70852	96,41
255	1,397827	202,414	379,95	2,750759	7,30840	0,005392	-0,695117	0,237222	0,105569	0,288810	8,910133	82,335313	0,09936	0,41120	90,29
256	1,450196	172,722		2,334386		0,006242	-0,591133	0,246239	0,113283	0,302962	9,131001	82,086613			
257	1,116895	108,937	127,08	2,111423	2,69837	0,008955	-0,462608	0,397617	0,131417	0,322780	7,852494	84,662565	0,14131	0,31858	77,38
258	1,501328	67,441	220,41	1,132945	3,27638	0,014445	-0,517094	0,176336	0,109106	0,313812	10,186033	79,800893	0,09509	0,52437	91,84
259	1,714902	192,794	234,63	2,389677	6,35507	0,005164	-1,391720	0,478746	0,264479	0,362319	10,703176	85,649807	0,21113	0,84253	97,22
260	1,091341	112,187	194,34	1,521543	3,01296	0,008138	-0,339516	0,335162	0,168320	0,308893	10,837858	82,085198	0,15111	0,32427	83,38
261	0,829863	98,336	165,25	1,008388	1,77698	0,010556	-0,292277	0,332585	0,079598	0,254816	6,695853	83,201558	0,09827	0,25618	67,69
262	1,463978	196,321	219,19	4,680117	5,86313	0,004902	-0,850742	0,415060	0,214785	0,428411	9,447500	81,821771	0,18644	0,42560	81,98
263	0,894401	99,762	110,41	1,202150	1,74761	0,010001	-0,484612	0,432801	0,206366	0,253272	9,911147	86,765431	0,18476	0,28592	90,67
264	1,373683	227,877	238,16	3,983843	4,51359	0,004575	-0,486453	0,349964	0,130467	0,427985	8,946553	82,674632	0,13252	0,48601	83,52
265	1,197589	323,240	344,93	4,958252	6,94016	0,002615	-0,551545	0,318386	0,139175	0,242319	8,219361	86,815656	0,12719	0,34512	93,16
266	0,656734	87,809	97,49	0,813849	1,40749	0,011961	-0,384900	0,287973	0,136657	0,169527	10,608122	87,809435	0,12195	0,20678	93,54
267	0,952038	170,538	130,39	2,607152	2,99323	0,006634	-0,488462	0,313304	0,186994	0,214006	11,042783	87,551849	****	****	****
268	1,542311	190,539	247,80	3,426407	5,76177	0,005458	-1,281580	0,282784	0,296765	0,334787	14,698341	85,489232	0,18288	0,63120	96,57
269	1,497064	222,008	264,42	3,418384	6,29787	0,004543	-0,604165	0,404548	0,198994	0,335495	9,299147	85,853479	0,16818	0,54584	93,89
270	0,766193	160,519	137,29	1,807447	2,11796	0,006438	-0,330589	0,379060	0,142080	0,235083	8,450816	88,258800	0,14980	0,28725	92,34
271	1,233505	136,717	163,04	2,551169	3,30551	0,007288	-0,371092	0,418719	0,179129	0,369427	10,225269	83,240627	0,17899	0,43324	87,42
272	0,670241	100,476	118,81	0,994008	1,19494	0,010197	-0,225653	0,185113	0,070345	0,178848	10,209821	83,661940	0,07395	0,18784	82,36
273	1,303925	241,711	313,88	5,890303	6,52599	0,003987	-0,829776	0,267461	0,161162	0,322465	10,558877	85,874786	0,12533	0,49517	92,86
274	1,045161	143,353	128,93	1,759039	1,82513	0,006830	-0,411987	0,378846	0,149260	0,236354	8,297094	86,865321	0,14732	0,36496	94,52
275	1,159885	320,137	326,02	3,084702	6,01475	0,002811	-0,742868	0,226117	0,148487	0,168470	11,880423	89,176347	0,10773	0,59721	98,60
276	0,687217	165,541	129,36	1,722878	2,17829	0,006569	-0,287052	0,320166	0,154927	0,183072	11,012576	87,902684	****	****	****
277	1,406496	273,168	249,38	5,113713	6,24090	0,003693	-0,368749	0,363584	0,117441	0,330943	8,910472	85,216731	0,13922	0,84485	97,11
278	0,936191	162,269	183,96	1,471168	2,81641	0,006046	-0,298862	0,327195	0,150135	0,242472	10,286463	86,882910	0,13869	0,29610	91,26

Type	Locality	Family	Taxa	Direction	Molar	Orientation	Facet	Scan's Filename	Selection [0=not used/1=used in statistics/ 2=used its median]	Specimen	Table correspond.
Fossil	Gerakarou	Cervidae	<i>Croizetoceros ramosus gerakarensis</i>	Upper	UM2	sin	ptc-ml	Zinv-GER-213-UM2s-ptc-ml.mnt	1	GER-213	279
				lower	Im1	sin	ptcd-db	Zinv-GER-215-Im1s-ptcd-mb.mnt	1	GER-215	280
				lower	Im1	sin	ptcd-db	Zinv-GER-216-Im1s-ptcd-mb.mnt	1	GER-216	281
				Upper	UM2	sin	par-ml	Zinv-GER-217-UM2s-par-ml-bis.mnt	0	GER-217	282
				lower	Im2	sin	ptcd-db	Zinv-GER-220-Im2s-ptcd-mb.mnt	1	GER-220	283
				lower	Im2	dex	ptcd-db	Zinv-GER-224-Im2d-ptcd-mb.mnt	1	GER-224	284
				lower	Im2	dex	ptcd-db	Zinv-GER-230-Im2d-ptcd-mb.mnt	1	GER-230	285
				lower	Im2	dex	ptcd-db	Zinv-GER-231-Im2d-ptcd-mb.mnt	1	GER-231	286
				lower	Im2	dex	ptcd-db	Zinv-GER-232-Im2d-ptcd-mb.mnt	1	GER-232	287
				lower	Im2	sin	ptcd-db	Zinv-GER-233-Im2s-ptcd-mb.mnt	1	GER-233	288
				lower	Im2	dex	ptcd-db	Zinv-GER-234-Im2d-ptcd-mb.mnt	2	GER-234	289
				lower	Im2	sin	ptcd-db	Zinv-GER-234a-Im2s-ptcd-mb.mnt	2	GER-234a	290
				median	-	-	-	-	1	GER-234	291
				Upper	UM2	sin	par-ml	Zinv-GER-246-UM2s-par-ml.mnt	0	GER-246	292
				Upper	UM2	sin	ptc-ml	Zinv-GER-246-UM2s-ptc-ml.mnt	1	GER-246	293
				Upper	UM1	sin	par-ml	Zinv-GER-248-UM1s-par-ml.mnt	0	GER-248	294
				Upper	UM1	sin	ptc-ml	Zinv-GER-248-UM1s-ptc-ml.mnt	1	GER-248	295
				Upper	UM1	dex	par-ml	Zinv-GER-250-UM1d-par-ml.mnt	0	GER-250	296
				Upper	UM1	dex	ptc-ml	Zinv-GER-250-UM1d-ptc-ml.mnt	1	GER-250	297
				Upper	UM2	dex	par-ml	Zinv-GER-254-UM2d-par-ml.mnt	0	GER-254	298
				Upper	UM2	dex	ptc-ml	Zinv-GER-254-UM2d-ptc-ml.mnt	1	GER-254	299
				lower	Im2	dex	ptcd-db	Zinv-GER-3-Im2d-ptcd-mb.mnt	1	GER-3	300
				Upper	UM2	dex	par-ml	Zinv-GER-372-UM2d-par-ml.mnt	0	GER-372	301
				Upper	UM2	dex	ptc-ml	Zinv-GER-372-UM2d-ptc-ml.mnt	1	GER-372	302
				Upper	UM2	dex	par-ml	Zinv-GER-4-UM2d-par-ml.mnt	0	GER-4	303
				Upper	UM2	dex	ptc-ml	Zinv-GER-4-UM2d-ptc-ml.mnt	1	GER-4	304
			<i>Eucladoceros tegulensis</i>	Upper	UM2	dex	par-ml	Zinv-GER-134-UM2d-par.mnt	0	GER-134	305
				Upper	UM2	dex	par-ml	Zinv-GER-132-UM2d-par-ml.mnt	0	GER-132	306

Table correspond.	Scale Sensitive Fractal Analyses (SSFA)						Volume Scale - Filling 3D Square			Disparities of parameters		
	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax) /epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (HAsfc36/H36)	HAsfc81 (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftfv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
279	0,946824	0,998522	0,947286	0,008791	0,279776	0,394118	0,542365	42204,376	63280,794	0,177809	0,418534	0,031464
280	0,928490	0,998551	1,429857	0,000411	0,293978	0,445880	0,576758	53101,615	67410,934	0,187271	1,518753	0,198215
281	2,460511	0,997387	0,275453	0,005369	1,180761	1,364798	1,590027	60766,667	83981,491	0,397408	0,011576	0,333046
282	2,793340	0,997712	0,275453	0,005708	0,568504	0,794576	0,761938	43942,593	73262,585	0,489238	0,040342	0,008895
283	0,639728	0,998897	1,429857	0,008046	0,199101	0,392978	0,558292	15280,577	29818,856	0,349478	0,339310	1,047364
284	1,709928	0,995557	0,275453	0,007850	0,850916	1,218052	1,262838	56884,069	78821,862	0,152914	0,317396	0,267021
285	3,262728	0,997714	0,224203	0,008513	0,388678	0,597658	0,649115	45726,318	67440,816	0,605901	0,389720	0,048684
286	0,775496	0,998448	1,163823	0,004626	0,166824	0,306714	0,464892	8527,078	34046,415	0,269929	0,135573	1,630648
287	1,029711	0,997635	2,158261	0,007435	0,439365	0,449756	0,630599	12790,617	32908,234	0,136115	0,269434	1,225222
288	1,346079	0,997056	1,756703	0,001887	0,249910	0,354790	0,463149	45610,685	65553,960	0,008737	0,802612	0,046152
289	0,564965	0,998825	0,275453	0,005829	0,206375	0,341417	0,442597	40337,913	64251,048	0,396145	0,058242	0,076695
290	1,348614	0,998503	0,627581	0,006767	0,609374	0,797730	0,962482	30290,339	51232,201	0,009817	0,186888	0,363150
291	0,956790	0,998664	0,451517	0,006298	0,407874	0,569573	0,702540	35314,126	57741,625	0,202981	0,122565	0,219922
292	1,521717	0,998201	0,947286	0,004808	0,377470	0,561919	0,644371	41779,009	60403,260	0,080932	0,103821	0,041594
293	1,727731	0,996088	0,338417	0,009990	0,287653	0,628561	0,757413	36569,740	58350,919	0,159462	0,534030	0,174763
294	9,201822	0,998815	0,771037	0,008451	0,310028	0,594781	0,738663	90315,577	117441,38	1,478558	0,383170	0,729309
295	1,020820	0,996507	4,002406	0,003381	0,487303	0,485933	0,729383	43200,124	64709,331	0,140505	0,385799	0,008145
296	3,167253	0,996365	0,415775	0,000908	0,487750	0,720473	0,945951	45547,044	65403,948	0,583249	1,216874	0,044756
297	1,035286	0,998750	0,771037	0,008209	0,303941	0,533315	0,626911	57986,678	77579,039	0,133372	0,357181	0,286219
298	1,278137	0,995998	0,224203	0,003415	0,362990	0,681636	0,764836	27082,160	47970,748	0,020650	0,377995	0,475099
299	2,060725	0,992997	0,224203	0,007133	0,317978	0,385599	0,528094	47573,568	69936,960	0,274643	0,232982	0,088287
300	0,794673	0,997849	0,275453	0,006380	0,368448	0,499449	0,562552	42308,141	62717,680	0,259186	0,135837	0,029008
301	5,121507	0,998266	0,338417	0,000462	0,585022	1,028033	1,225348	54998,884	75782,444	0,967800	1,483237	0,233320
302	0,682795	0,997918	3,257733	0,008158	0,185051	0,372444	0,430482	47735,465	69857,915	0,323552	0,351663	0,091684
303	1,216940	0,997783	2,158261	0,005811	0,430883	0,627281	0,777991	45216,754	66233,343	0,047881	0,055554	0,037478
304	0,834500	0,998263	0,947286	0,009854	0,197547	0,377932	0,440649	49267,610	66774,019	0,237237	0,521598	0,123276
305	6,064298	0,998602	3,257733	0,000722	0,213984	0,260929	0,381345	27470,089	50532,275	0,874106	0,978435	0,571538
306	1,652737	0,994866	0,771037	0,001058	0,341975	0,511337	0,717682	52790,541	77095,966	0,105356	0,800054	0,081679

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Sq <μm>		Ssk <no unit>		Sku <no unit>		Sp<μm>		Sv<μm>		Sz<μm>		Sa<μm>		Smr (c = 1.00 μm below highest peak) <%>		Smc (p = 10.0%) <μm>		Sxp (p = 50.0%, q = 97.5%) <μm>		Sal (s = 0.300) <μm>		Sal #1 (s = 0.400) <μm>		Sal #2 (s = 0.500) <μm>		Str (s = 0.300) <no unit>		Str #1 (s = 0.400) <no unit>	
279	0,14464	-0,93781	4,37538	0,58767	0,76642	1,35409	0,10984	98,69512	0,15027	0,38099	3,56180	2,99238	2,51952	0,25060	0,30109															
280	0,12400	-2,33829	15,57720	0,71547	1,61638	2,33184	0,08319	97,15243	0,11290	0,32434	3,72552	3,18932	2,68074	0,56374	0,61472															
281	0,16311	-0,37934	6,70413	1,07378	1,07523	2,14901	0,11231	26,70343	0,16831	0,39331	3,95522	3,33973	2,79239	0,59587	0,63513															
282	0,22169	-1,32396	9,60005	1,06423	2,43305	3,49728	0,15458	36,90653	0,24653	0,54583	5,02219	4,21716	3,49918	0,68064	0,71935															
283	0,10951	-1,66064	8,45632	0,38378	0,79408	1,17786	0,07727	99,85896	0,10832	0,29775	3,16216	2,70914	2,30328	0,12100	0,16377															
284	0,15470	-0,41172	4,40603	0,84797	1,01980	1,86778	0,11260	85,69317	0,17376	0,37008	4,43548	3,72372	3,09672	0,55995	0,57653															
285	0,19869	-0,95578	6,07898	0,75808	1,41169	2,16977	0,14167	90,66535	0,21308	0,52644	4,32739	3,72291	3,19966	0,13940	0,19012															
286	0,09276	-1,85368	10,33534	0,59691	0,83682	1,43373	0,06365	99,35700	0,08698	0,25780	2,85892	2,40710	1,99803	0,55336	0,58746															
287	0,14567	-2,14484	18,84998	0,44932	2,07009	2,51940	0,10541	99,61870	0,14816	0,35619	3,29178	2,81120	2,38220	0,15841	0,32194															
288	0,17788	-0,96390	5,47368	0,69090	1,36249	2,05339	0,13373	94,38812	0,19469	0,44448	4,09491	3,50291	2,96983	0,61636	0,63583															
289	0,12722	-1,02641	5,16354	0,51933	0,69637	1,21571	0,09346	99,65009	0,13914	0,35537	3,58866	3,16142	2,72860	0,10362	0,13842															
290	0,14320	-1,46690	9,10004	0,55686	1,12400	1,68086	0,09176	98,11680	0,12211	0,42296	2,85315	2,44567	2,06668	0,21311	0,25334															
291	0,13521	-1,24665	7,13179	0,53810	0,91018	1,44828	0,09261	98,88344	0,13062	0,38916	3,22090	2,80354	2,39764	0,15837	0,19588															
292	0,18567	-0,77670	5,43588	1,04144	1,35905	2,40048	0,13630	42,78786	0,20678	0,47627	4,03240	3,44614	2,90125	0,40743	0,51098															
293	0,22273	-0,27293	4,74600	1,17984	1,46811	2,64795	0,16675	17,39791	0,25181	0,49850	4,61410	3,90161	3,26618	0,12868	0,15994															
294	0,46075	-1,01255	8,31682	2,48763	3,70040	6,18803	0,31322	0,48046	0,42875	1,20234	3,62163	2,97907	2,44524	0,37241	0,44992															
295	0,13458	-0,55855	6,63651	0,93137	0,94653	1,87790	0,09552	77,16026	0,13856	0,31915	3,78723	3,23503	2,71353	0,58016	0,65207															
296	0,25953	-1,58950	12,24229	1,21385	2,78004	3,99389	0,17778	14,70821	0,26747	0,60252	4,25710	3,62440	3,02020	0,63915	0,69353															
297	0,11452	-0,86372	6,25494	0,49692	0,88064	1,37756	0,08416	99,68653	0,12630	0,26777	3,31573	2,79861	2,36992	0,41688	0,51976															
298	0,14585	-1,07830	8,35463	1,11683	1,19886	2,31570	0,10454	16,26499	0,14920	0,35210	3,93169	3,39557	2,90345	0,60680	0,64502															
299	0,11600	-0,90889	5,99129	0,53280	1,11222	1,64503	0,08690	99,66101	0,13222	0,27962	4,23571	3,63892	3,06537	0,17119	0,27294															
300	0,11531	-0,07924	6,46046	1,05462	0,77045	1,82507	0,08658	30,72017	0,12998	0,24358	3,90066	3,29515	2,77377	0,24396	0,32231															
301	0,28025	-0,61592	7,44783	1,32034	2,96593	4,28627	0,19792	9,36419	0,30876	0,60501	5,92387	4,76267	3,84408	0,83262	0,85291															
302	0,09220	-0,36231	4,58094	0,52397	0,60079	1,12476	0,07007	99,96715	0,10711	0,20294	3,97069	3,33726	2,78323	0,85576	0,87870															
303	0,18615	-0,60320	7,19064	1,13466	1,16650	2,30117	0,12703	16,16581	0,18291	0,48210	4,68452	3,99328	3,37177	0,86666	0,87701															
304	0,14479	-0,85675	4,51346	0,52761	0,83154	1,35916	0,10962	99,24949	0,15957	0,36559	4,34695	3,65567	3,04002	0,14698	0,17809															
305	0,31444	-1,09135	4,82033	0,98002	1,85917	2,83918	0,23509	63,52472	0,32865	0,85931	3,14364	2,67528	2,25494	0,71424	0,72394															
306	0,13234	-3,20392	53,83988	0,56527	3,68344	4,24870	0,09528	99,68120	0,14346	0,28097	3,45393	2,85823	2,34048	0,72464	0,78986															

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Str #2 (s = 0.500) <no unit>	Std (Reference angle = 0.00°)	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) <μm³/μm²>	Vv (p = 10.0%) <μm³/μm²>	Vmp (p = 10.0%) <μm³/μm²>	Vmc (p = 10.0%, q = 80.0%) <μm³/μm²>	Vvc (p = 10.0%, q = 80.0%) <μm³/μm²>	Vvw (p = 80.0%) <μm³/μm²>	Spd (pruning = 5.00%) <1/μm²>	Spc (pruning = 5.00%) <1/μm²>	S10z (pruning = 5.00%) <μm>	S5p (pruning = 5.00%) <μm>
279	0,31605	42,761	0,102095	0,508026	0,005251	0,155516	0,005251	0,122122	0,130151	0,025365	0,008824	0,313372	1,204174	0,482962
280	0,66907	67,248	0,097647	0,460831	0,004429	0,117333	0,004429	0,082532	0,093949	0,023385	0,002909	0,257781	1,682476	0,480507
281	0,66990	50,758	0,126590	0,758962	0,011369	0,179677	0,011369	0,108363	0,153076	0,026601	0,005850	0,577179	1,856472	0,876033
282	0,75245	41,493	0,159495	1,186575	0,010030	0,256564	0,010030	0,154124	0,218295	0,038269	0,004202	0,540025	2,549527	0,889334
283	0,22993	128,992	0,081462	0,326454	0,003683	0,112002	0,003683	0,077958	0,091222	0,020780	0,005262	0,213568	1,102842	0,350936
284	0,58932	3,752	0,114422	0,628124	0,009089	0,182844	0,009089	0,117844	0,157138	0,025706	0,005589	0,580151	1,564818	0,677304
285	0,24233	39,007	0,141060	0,956200	0,010173	0,223251	0,010173	0,143677	0,188895	0,034356	0,006373	0,895712	1,963592	0,711952
286	0,62007	65,002	0,085754	0,360324	0,003294	0,090277	0,003294	0,063265	0,072480	0,017797	0,004804	0,239744	1,177106	0,416883
287	0,42006	60,001	0,108269	0,562136	0,004646	0,152801	0,004646	0,115654	0,128468	0,024332	0,002549	0,269346	1,551232	0,416966
288	0,65205	86,744	0,119967	0,699306	0,006789	0,201477	0,006789	0,145142	0,172330	0,029147	0,006275	0,322926	1,714363	0,581797
289	0,17281	42,257	0,077718	0,298837	0,004861	0,144002	0,004861	0,097213	0,121533	0,022469	0,007027	0,255727	1,038435	0,409620
290	0,33681	165,501	0,121736	0,684000	0,009432	0,131537	0,009432	0,077763	0,102410	0,029128	0,004575	0,391291	1,631711	0,532508
291	0,25481		0,099727	0,491418	0,007147	0,137770	0,007147	0,087488	0,111972	0,025798	0,005801	0,323509	1,335073	0,471064
292	0,57465	36,248	0,133108	0,841219	0,008290	0,215066	0,008290	0,140520	0,184402	0,030665	0,005719	0,417627	1,846188	0,791109
293	0,21068	36,996	0,151886	1,012729	0,012871	0,264680	0,012871	0,184397	0,234100	0,030580	0,006177	0,568703	2,378550	1,034486
294	0,49889	171,501	0,400605	6,011554	0,027233	0,455982	0,027233	0,305568	0,373327	0,082655	0,005164	1,316806	5,361275	2,292919
295	0,68886	59,750	0,098731	0,473406	0,008318	0,146877	0,008318	0,096179	0,124643	0,022234	0,005131	0,242249	1,486499	0,654262
296	0,73357	155,260	0,200773	1,777530	0,013194	0,280665	0,013194	0,178921	0,238080	0,042585	0,003562	0,649277	3,401886	1,067254
297	0,59688	24,496	0,095588	0,443589	0,005460	0,131758	0,005460	0,089481	0,113931	0,017827	0,009543	0,254635	1,240907	0,475222
298	0,68042	98,746	0,108549	0,569413	0,006813	0,156010	0,006813	0,109101	0,131744	0,024267	0,004510	0,393087	1,762450	0,657025
299	0,40152	155,256	0,100912	0,492282	0,004727	0,136942	0,004727	0,093571	0,119074	0,017869	0,006471	0,576223	1,420239	0,501457
300	0,41435	35,245	0,085431	0,357346	0,006324	0,136304	0,006324	0,094423	0,121000	0,015304	0,005556	0,399322	1,434165	0,761562
301	0,87740	92,752	0,238129	2,394170	0,017692	0,326456	0,017692	0,196594	0,285542	0,040914	0,004739	0,813740	3,456926	1,270796
302	0,89356	93,748	0,075697	0,283931	0,004660	0,111771	0,004660	0,077293	0,099112	0,012658	0,010131	0,236061	0,998455	0,462697
303	0,88742	157,755	0,127216	0,750227	0,012500	0,195414	0,012500	0,119243	0,163699	0,031715	0,004183	0,415532	1,984123	0,907012
304	0,21861	137,748	0,095659	0,448749	0,005676	0,165249	0,005676	0,121968	0,141607	0,023642	0,008334	0,299530	1,163775	0,453679
305	0,72774	176,254	0,274970	3,206075	0,010802	0,339447	0,010802	0,261025	0,282564	0,056884	0,007746	0,413180	2,638045	0,903062
306	0,81678	57,501	0,131855	0,711870	0,004638	0,148100	0,004638	0,105258	0,129110	0,018990	0,001896	0,369219	2,754090	0,503322

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm²>	Sha (pruning = 5.00%) <μm²>	Sdv (pruning = 5.00%) <μm³>	Shv (pruning = 5.00%) <μm³>	Svd (pruning = 5.00%) <1/μm²>	Svc (pruning = 5.00%) <1/μm²>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>	Spq <no unit>	Svq <no unit>	Smq <no unit>
279	0,721212	152,545	118,21	0,876590	1,08569	0,006798	-0,495896	0,276081	0,106356	0,250108	7,491399	81,152738	0,10617	0,22520	70,47
280	1,201968	187,690	247,56	3,347616	3,88424	0,005196	-0,310873	0,195905	0,089620	0,240073	8,610663	82,574575	0,08679	0,52908	95,44
281	0,980439	148,957	172,48	2,082881	2,54482	0,007059	-0,660160	0,270412	0,223109	0,276000	12,769899	85,035731	****	****	****
282	1,660193	197,942	247,92	3,415357	5,20988	0,005102	-0,992896	0,378459	0,219450	0,396161	13,584141	84,868528	0,18948	0,59103	94,10
283	0,751907	109,098	191,19	0,704048	1,42646	0,009412	-0,240365	0,198102	0,072137	0,214190	8,138978	84,040141	0,07341	0,31981	90,48
284	0,887514	168,054	185,54	2,143001	2,32389	0,006308	-0,736675	0,264534	0,187429	0,251864	13,244927	82,331091	****	****	****
285	1,251640	113,803	137,51	0,943542	1,89660	0,008138	-1,184818	0,344867	0,209273	0,352430	11,790190	83,797197	****	****	****
286	0,760223	75,739	202,99	1,007346	2,02746	0,013105	-0,263738	0,153159	0,066526	0,183143	8,451746	83,006872	0,05819	0,28937	90,70
287	1,134266	155,775	331,66	2,034197	6,29811	0,005556	-0,331924	0,282641	0,088542	0,242588	7,358564	83,319527	0,09700	0,23090	75,18
288	1,132566	149,075	170,80	2,553277	2,58677	0,006863	-0,345325	0,373722	0,132746	0,286476	8,279145	84,791727	0,13738	0,33487	85,32
289	0,628816	199,021	150,55	1,288891	1,36639	0,005425	-0,260614	0,248155	0,097089	0,233908	9,902608	85,067483	0,09989	0,23982	83,16
290	1,099203	95,199	205,20	1,257770	2,15091	0,010033	-0,428380	0,180457	0,183143	0,307545	11,877900	82,696800	****	****	****
291	0,864009	147,110		1,273331		0,007729	-0,344497	0,214306	0,140116	0,270727	10,890254	83,882142			
292	1,055079	150,956	168,91	2,315825	3,04789	0,006634	-0,543805	0,378679	0,165969	0,319826	10,299528	86,606994	0,15552	0,35350	87,24
293	1,344064	185,243	144,76	2,643371	2,22306	0,004902	-1,093490	0,448766	0,257181	0,291395	11,069767	84,290131	0,20769	0,36701	92,51
294	3,068357	131,271	198,67	4,642853	8,21607	0,007778	-3,198579	0,727380	0,538666	0,846946	10,501779	83,039155	0,31526	1,19556	90,25
295	0,832237	176,271	205,81	1,933842	3,18673	0,006144	-0,327610	0,241166	0,164932	0,221749	11,007457	84,352416	0,12534	0,32502	95,45
296	2,334632	208,832	272,62	5,577354	9,43620	0,004641	-1,149829	0,447000	0,265890	0,446395	11,750369	84,995146	0,21363	1,12449	96,97
297	0,765685	123,784	113,15	0,981515	1,53532	0,008628	-0,371473	0,232648	0,109355	0,178462	10,056175	85,677032	0,10224	0,30962	95,50
298	1,105425	191,968	213,20	3,018058	4,21487	0,004870	-0,504228	0,275682	0,136931	0,244302	9,124173	84,331585	0,11839	0,47848	95,73
299	0,918782	143,577	143,83	1,390795	1,47587	0,007092	-0,836392	0,251186	0,093578	0,183539	9,427260	86,808918	0,09738	0,21136	88,30
300	0,672603	240,452	186,11	1,922722	2,56814	0,004379	-0,402219	0,257055	0,126811	0,150038	9,337970	87,564817	****	****	****
301	2,186131	116,344	182,48	2,754314	6,37780	0,007223	-2,256442	0,534359	0,356740	0,448378	12,157184	87,916371	****	****	****
302	0,535757	116,536	108,06	1,078281	1,12696	0,009183	-0,232890	0,203577	0,093269	0,121382	10,048398	86,610311	****	****	****
303	1,077111	174,273	211,41	3,295776	3,53375	0,005294	-0,434471	0,313829	0,244234	0,345815	11,459443	86,009820	****	****	****
304	0,710096	119,634	111,51	0,919708	1,44581	0,008170	-0,478407	0,288215	0,112123	0,232284	9,263377	82,781408	0,11376	0,22392	76,02
305	1,734982	90,259	132,42	3,041197	3,76675	0,011144	-0,730993	0,537884	0,215465	0,570664	9,880634	79,548709	0,21416	0,52298	71,51
306	2,250768	308,373	503,81	4,434693	17,44866	0,003039	-1,310186	0,279380	0,090020	0,186837	8,516977	86,154867	0,11447	2,39367	99,77

Type	Locality	Family	Taxa	Direction	Molar	Orientation	Facet	Scan's Filename	Selection [0=not used/1=used in statistics/ 2=used its median]	Specimen	Table correspond.				
Fossil	Gerakarou	Cervidae	<i>Eucladoceros tegulensis</i>	Upper	UM2	dex	ptc-ml	Zinv-GER-132-UM2d-ptc-ml.mnt	1	GER-132	307				
				lower	lm2	dex	ptcd-db	Zinv-GER-136-lm2d-ptcd-mb.mnt	1	GER-136	308				
				Upper	UM1	dex	par-ml	Zinv-GER-186-UM1d-par-ml.mnt	0	GER-186	309				
				Upper	UM1	dex	ptc-ml	Zinv-GER-186-UM1d-ptc-ml.mnt	1	GER-186	310				
				Upper	UM2	sin	par-ml	Zinv-GER-187-UM2s-par-ml.mnt	0	GER-187	311				
				Upper	UM2	sin	ptc-ml	Zinv-GER-187-UM2s-ptc-ml.mnt	1	GER-187	312				
				Upper	UM1	sin	par-ml	Zinv-GER-191-UM1s-par-ml.mnt	0	GER-191	313				
				Upper	UM1	dex	par-ml	Zinv-GER-214-UM1d-par-ml.mnt	0	GER-214	314				
				Upper	UM1	dex	ptc-ml	Zinv-GER-214-UM1d-ptc-ml.mnt	1	GER-214	315				
				lower	lm2	dex	ptcd-db	Zinv-GER-345-lm2d-ptcd-mb.mnt	1	GER-345	316				
				lower	lm1	dex	ptcd-db	Zinv-GER-5-lm1d-ptcd-mb.mnt	2	GER-5	317				
				lower	lm1	sin	ptcd-db	Zinv-GER-5a-lm1s-ptcd-mb.mnt	2	GER-5a	318				
				median	-	-	-	-	1	GER-5	319				
				Equidae			<i>Equus altidens</i>	Upper	UM1	sin	pro-ml	Zinv-Equus-GER-10a-UM1sin-pro.mnt	2	GER-10	320
								Upper	UM1	sin	par-ml	Zinv-Equus-GER-10b-UM1sin-par-b.mnt	0	GER-10	321
	Upper	UM2	sin					pro-ml	Zinv-Equus-GER-10b-UM2sin-pro.mnt	2	GER-10	322			
	median	-	-					-	-	1	GER-10	323			
	lower	lm1	dex					ptcd-db	Zinv-Equus-GER-11a-lm1dex-ptcd.mnt	1	GER-11	324			
	lower	lm2	sin					ptcd-db	Zinv-Equus-GER-12-lm2sin-ptcd.mnt	1	GER-12	325			
	Upper	UM1	sin					pro-ml	Zinv-Equus-GER-122b-UM1sin-pro.mnt	2	GER-122	326			
	Upper	UM1	dex					par-ml	Zinv-Equus-GER-122c-UM1dex-par-b.mnt	0	GER-122	327			
	Upper	UM1	dex					pro-ml	Zinv-Equus-GER-122c-UM1dex-pro.mnt	2	GER-122	328			
	Upper	UM2	dex					par-ml	Zinv-Equus-GER-122d-UM2dex-par-b.mnt	0	GER-122	329			
	median	-	-					-	-	1	GER-122	330			
	Upper	UM2	sin					pro-ml	Zinv-Equus-GER-31b-UM2sin-pro.mnt	2	GER-31	331			
	Upper	UM1	dex	pro-ml	Zinv-Equus-GER-31c-UM1dex-pro.mnt	2	GER-31	332							
	Upper	UM2	dex	pro-ml	Zinv-Equus-GER-31d-UM2dex-pro.mnt	2	GER-31	333							
median	-	-	-	-	1	GER-31	334								
lower	lm1	sin	ptcd-db	Zinv-Equus-GER-32a-lm1sin-ptcd.mnt	1	GER-32	335								

Table correspond.	Scale Sensitive Fractal Analyses (SSFA)						Volume Scale - Filling 3D Square			Disparities of parameters		
	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax) /epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (HAsfc36/H36)	HAsfc81 (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftfv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
307	1,358306	0,998778	1,429857	0,002315	0,266699	0,373608	0,513640	48259,857	64767,289	0,223005	0,323388	0,008051
308	0,909686	0,997750	2,651611	0,008363	0,320358	0,476969	0,638734	43704,453	67224,977	0,434009	0,714977	0,107199
309	2,045410	0,997735	1,756703	0,001328	0,224905	0,300844	0,410935	50126,183	70963,821	0,032687	0,677041	0,029891
310	1,929163	0,997270	0,947286	0,005316	0,219059	0,351773	0,526191	49043,278	68060,262	0,006231	0,321279	0,008051
311	0,640956	0,998757	2,158261	0,002906	0,250278	0,326204	0,370978	47542,981	68326,956	0,585669	0,159379	0,023017
312	1,457515	0,997678	0,627581	0,005477	0,431094	0,625104	0,795670	37821,038	57584,449	0,181797	0,346397	0,251780
313	1,965897	0,994309	2,158261	0,005908	0,272831	0,439061	0,612189	22925,210	46436,680	0,006231	0,410797	0,752391
314	3,524389	0,998323	0,275453	0,003438	0,175028	0,522625	0,845908	68617,981	91059,995	0,428534	0,031671	0,343897
315	1,615951	0,998835	1,429857	0,004006	0,303487	0,323443	0,436416	50856,406	72036,994	0,119321	0,088854	0,044354
316	2,896333	0,998032	132,50	0,003728	0,427394	0,713869	0,971480	35021,837	55291,714	0,279088	0,031671	0,328672
317	22,471715	0,998262	38,528684	0,003895	0,435061	0,696067	1,043814	81131,643	109969,92	2,074848	0,066396	0,511413
318	7,899845	0,999108	3,257733	0,003245	0,384983	0,524481	0,551978	77549,949	104288,94	1,105086	0,076209	0,466263
319	15,185780	0,998685	20,893209	0,003570	0,410022	0,610274	0,797896	79340,796	107129,43	1,589967	0,071302	0,488838
320	1,026010	0,998463	0,771037	0,003186	0,236543	0,368735	0,467050	61651,442	82264,915	0,023389	0,008420	0,369804
321	1,452318	0,998692	1,163823	0,002815	0,225896	0,349658	0,543187	38444,042	58586,619	0,167576	0,101196	0,102479
322	1,237375	0,998532	1,756703	0,004036	0,234970	0,312171	0,378417	23976,404	44759,720	0,075846	0,176325	0,574597
323	1,131693	0,998497	1,263870	0,003611	0,235756	0,340453	0,422733	42813,923	63512,318	0,049618	0,092372	0,472200
324	1,239317	0,997813	1,756703	0,003595	0,278974	0,267604	0,347178	45485,733	64286,652	0,076713	0,084843	0,065712
325	2,279386	0,998933	0,627581	0,000797	0,440430	0,684776	0,961636	30755,119	54955,404	0,458199	0,854214	0,325620
326	0,680943	0,996430	0,947286	0,001618	0,348542	0,477634	0,542850	51336,232	70645,202	0,210102	0,477642	0,186708
327	0,768901	0,998482	3,257733	0,003279	0,199269	0,234127	0,332757	40375,845	60719,966	0,159099	0,013428	0,053452
328	0,512251	0,998666	1,429857	0,004087	0,184931	0,199486	0,298366	54875,550	74562,302	0,315859	0,186402	0,253377
329	1,039198	0,999183	1,756703	0,004742	0,284984	0,389222	0,477810	43590,520	64101,891	0,016901	0,307490	0,023154
330	0,596597	0,997548	1,188571	0,002853	0,266737	0,338560	0,420608	53105,891	72603,752	0,262981	0,332022	0,220043
331	1,702895	0,999173	0,415775	0,001796	0,282701	0,538730	0,558313	41141,671	64705,798	0,264866	0,411964	0,034663
332	0,916291	0,998873	4,002406	0,003855	0,311614	0,409117	0,505170	45523,172	65575,884	0,079066	0,139686	0,066535
333	0,725788	0,998041	0,947286	0,004238	0,155524	0,204735	0,225011	41143,507	62208,117	0,183774	0,215747	0,034618
334	0,916291	0,998873	0,947286	0,003855	0,282701	0,409117	0,505170	41143,507	64705,798	0,183774	0,215747	0,034663
335	0,798242	0,998398	4,002406	0,004187	0,331060	0,483271	0,504182	42592,798	63677,758	0,142648	0,205892	0,000000

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Sq <μm>		Ssk <no unit>				Sku <no unit>				Sp<μm>		Sv<μm>		Sz<μm>		Sa<μm>		Smr (c = 1.00 μm below highest peak) <%>		Smc (p = 10.0%) <μm>		Sxp (p = 50.0%, q = 97.5%) <μm>		Sal (s = 0.300) <μm>		Sal #1 (s = 0.400) <μm>		Sal #2 (s = 0.500) <μm>		Str (s = 0.300) <no unit>		Str #1 (s = 0.400) <no unit>	
	Sq	Ssk	Ssk	Ssk	Ssk	Ssk	Sku	Sku	Sku	Sku	Sku	Sku	Sku	Sku	Sz	Sz	Sz	Sz	Sa	Sa	Smr	Smr	Sxp	Sxp	Sal	Sal	Sal #1	Sal #1	Sal #2	Sal #2	Str	Str	Str #1	Str #1
307	0,15925	-0,36372	4,52240	1,22917	0,78309	2,01226	0,12259	4,50583	0,17905	0,37461	4,00359	3,45262	2,93982	0,59913	0,69242																			
308	0,12790	-0,85174	5,61257	0,46853	1,08049	1,54902	0,09705	99,74946	0,14687	0,29559	3,22568	2,76886	2,34611	0,15295	0,21289																			
309	0,18170	-0,88948	5,08709	0,61248	1,28270	1,89518	0,13747	96,72038	0,19927	0,45190	3,59005	3,04281	2,56044	0,65495	0,70124																			
310	0,21341	-0,46166	4,60172	1,05100	1,75484	2,80584	0,16021	41,56659	0,24387	0,49660	5,08940	4,25053	3,49538	0,72215	0,77370																			
311	0,10821	-0,21458	3,51785	0,36954	0,84402	1,21356	0,08601	99,98311	0,13463	0,21820	3,49044	2,99539	2,53144	0,69839	0,74736																			
312	0,21193	-1,77376	12,37590	0,66965	2,40471	3,07435	0,15142	93,67948	0,22314	0,53713	4,67116	4,02033	3,41128	0,29378	0,47780																			
313	0,17058	-1,29814	9,14533	0,91797	2,98199	3,89996	0,12020	77,26302	0,17705	0,45241	3,63963	2,99150	2,45193	0,29562	0,40046																			
314	0,24396	-0,75971	4,96564	0,85925	1,64921	2,50845	0,18618	75,56559	0,27754	0,56875	4,96934	4,13068	3,40883	0,83849	0,87271																			
315	0,21392	-0,30849	4,18847	1,05305	1,11132	2,16436	0,16630	42,96101	0,24436	0,46764	4,56792	3,89402	3,29773	0,61014	0,66416																			
316	0,30220	-1,53118	9,17426	1,84058	2,80407	4,64465	0,20832	0,18492	0,28819	0,81957	4,82796	4,13433	3,48611	0,74620	0,76686																			
317	1,05594	-0,63464	10,80234	8,25335	7,88886	16,1422	0,65825	0,01575	1,00302	2,45632	3,61079	3,06418	2,57496	0,34118	0,47357																			
318	0,38317	-0,44872	4,77454	1,81696	2,56610	4,38306	0,29539	1,30694	0,45971	0,78376	3,64225	3,05343	2,55263	0,81594	0,83572																			
319	0,71955	-0,54168	7,78844	5,03516	5,22748	10,2626	0,47682	0,66134	0,73136	1,62004	3,62652	3,05881	2,56379	0,57856	0,65465																			
320	0,14997	-0,65278	5,54142	0,65717	1,13089	1,78806	0,11382	98,05102	0,17073	0,32701	4,15790	3,56371	2,98610	0,70074	0,74458																			
321	0,16855	-0,76620	4,88325	0,69533	1,24088	1,93621	0,12895	95,31383	0,19408	0,39224	4,24779	3,64287	3,03689	0,71814	0,82575																			
322	0,15384	-0,53462	4,31850	0,74200	1,05118	1,79318	0,11822	94,42142	0,17822	0,34964	3,66476	3,11781	2,62385	0,48583	0,56000																			
323	0,15190	-0,59370	4,92996	0,69959	1,09104	1,79062	0,11602	96,23622	0,17447	0,33832	3,91133	3,34076	2,80497	0,59328	0,65229																			
324	0,16943	-0,63156	4,25796	0,70482	0,91181	1,61663	0,12930	94,51843	0,19334	0,40219	3,45681	2,97476	2,54000	0,29648	0,36692																			
325	0,18621	-2,53999	20,54690	0,98566	2,49222	3,47788	0,11721	62,44471	0,16262	0,44046	3,92557	3,30840	2,72500	0,89673	0,90736																			
326	0,10308	-0,23047	3,65593	0,42567	0,97458	1,40026	0,08142	99,99123	0,12712	0,21093	4,35265	3,63473	2,98102	0,89080	0,88170																			
327	0,13955	-0,22137	2,89503	0,64898	0,63887	1,28785	0,11339	99,36669	0,17220	0,28999	4,07990	3,47857	2,93671	0,59838	0,62680																			
328	0,10662	-0,41480	3,72759	0,42023	0,57012	0,99035	0,08306	100,00000	0,12648	0,23837	4,53965	3,88936	3,28755	0,25845	0,58539																			
329	0,12806	-0,61429	4,39271	0,47818	0,77961	1,25779	0,09869	99,80067	0,14792	0,29446	3,40830	2,85055	2,36937	0,53307	0,55520																			
330	0,10485	-0,32263	3,69176	0,42295	0,77235	1,19530	0,08224	99,99562	0,12680	0,22465	4,44615	3,76204	3,13429	0,57463	0,73355																			
331	0,14885	-0,67955	5,79829	0,61667	1,28027	1,89694	0,11031	98,42401	0,17086	0,33697	4,65117	3,84631	3,10549	0,90851	0,93659																			
332	0,15773	-0,26135	4,86795	0,90738	0,88040	1,78778	0,11704	76,88631	0,17867	0,36238	5,73179	4,74664	3,84889	0,93748	0,92577																			
333	0,12753	-0,27214	3,13903	0,46475	0,68784	1,15259	0,10207	99,97209	0,15615	0,26518	4,49776	3,70613	3,04378	0,76340	0,75186																			
334	0,14885	-0,27214	4,86795	0,61667	0,88040	1,78778	0,11031	98,42401	0,17086	0,33697	4,65117	3,84631	3,10549	0,90851	0,92577																			
335	0,12232	-1,03494	5,82902	0,40889	0,95823	1,36712	0,09056	99,87181	0,13269	0,31310	2,92907	2,53294	2,15894	0,43174	0,48864																			

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Str #2 (s = 0.500) <no unit>	Std (Reference angle = 0.00°)	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) <μm³/μm²>	Vv (p = 10.0%) <μm³/μm²>	Vmp (p = 10.0%) <μm³/μm²>	Vmc (p = 10.0%, q = 80.0%) <μm³/μm²>	Vvc (p = 10.0%, q = 80.0%) <μm³/μm²>	Vvw (p = 80.0%) <μm³/μm²>	Spd (pruning = 5.00%) <1/μm²>	Spc (pruning = 5.00%) <1/μm²>	S10z (pruning = 5.00%) <μm>	S5p (pruning = 5.00%) <μm>
307	0,75799	112,229	0,118061	0,669469	0,006953	0,186000	0,006953	0,138653	0,162529	0,023471	0,007484	0,391559	1,607262	0,883345
308	0,25563	65,010	0,094557	0,431845	0,004876	0,151747	0,004876	0,107119	0,132479	0,019268	0,006275	0,320789	1,304685	0,425334
309	0,73448	42,501	0,142135	0,975513	0,007372	0,206643	0,007372	0,152065	0,177902	0,028741	0,009249	0,359710	1,698383	0,566308
310	0,80791	160,493	0,148891	1,030892	0,010930	0,254801	0,010930	0,171519	0,223045	0,031756	0,005752	0,429891	2,200320	0,915817
311	0,77222	48,002	0,082341	0,334116	0,004814	0,139446	0,004814	0,097686	0,126672	0,012774	0,010131	0,194776	1,019057	0,364291
312	0,57543	47,747	0,139374	0,881093	0,007198	0,230341	0,007198	0,158019	0,193875	0,036466	0,003203	0,406080	2,282542	0,591277
313	0,48591	105,999	0,145992	0,956056	0,007762	0,184811	0,007762	0,120788	0,154499	0,030312	0,002484	0,336947	2,366903	0,649770
314	0,89256	149,496	0,183362	1,562128	0,010063	0,287599	0,010063	0,206126	0,251697	0,035902	0,009151	0,565701	2,270686	0,779854
315	0,70682	147,508	0,138222	0,918526	0,010589	0,254951	0,010589	0,188595	0,227666	0,027285	0,007844	0,343051	1,950825	0,904485
316	0,78404	38,999	0,195978	1,645496	0,014155	0,302343	0,014155	0,207659	0,243174	0,059168	0,002059	0,553993	3,190733	1,203476
317	0,52583	3,257	0,853089	18,58150	0,077939	1,080956	0,077939	0,580236	0,896928	0,184029	0,002255	1,543554	13,332502	5,973308
318	0,84612	132,748	0,339846	4,589195	0,017807	0,477514	0,017807	0,327437	0,429062	0,048453	0,008170	0,729066	3,937048	1,463403
319	0,68597		0,596468	11,58535	0,047873	0,779235	0,047873	0,453837	0,662995	0,116241	0,005213	1,136310	8,634775	3,718355
320	0,76588	31,500	0,107535	0,557895	0,007048	0,177780	0,007048	0,125230	0,156794	0,020986	0,007451	0,326816	1,563910	0,607386
321	0,88346	47,747	0,124759	0,748545	0,006389	0,200464	0,006389	0,142852	0,175061	0,025403	0,008693	0,334325	1,625881	0,595571
322	0,60903	73,509	0,116136	0,653127	0,006701	0,184917	0,006701	0,131993	0,162890	0,022028	0,007876	0,333302	1,432880	0,577876
323	0,68746		0,111835	0,605511	0,006874	0,181348	0,006874	0,128612	0,159842	0,021507	0,007664	0,330059	1,498395	0,592631
324	0,42971	54,002	0,118983	0,693994	0,007258	0,200600	0,007258	0,143055	0,174942	0,025658	0,008824	0,284936	1,453438	0,573844
325	0,89322	24,998	0,163115	1,150074	0,009279	0,171898	0,009279	0,108730	0,138630	0,033268	0,003791	0,504648	2,722316	0,822287
326	0,86070	176,497	0,078869	0,303198	0,004707	0,131827	0,004707	0,092161	0,119292	0,012535	0,007876	0,216270	1,092251	0,371747
327	0,64499	15,754	0,091769	0,417341	0,005410	0,177611	0,005410	0,133826	0,161671	0,015940	0,010720	0,293484	1,136233	0,568357
328	0,70815	3,504	0,072453	0,260685	0,004674	0,131156	0,004674	0,093430	0,116633	0,014523	0,011014	0,238370	0,903581	0,367875
329	0,57390	28,254	0,103659	0,522096	0,005492	0,153415	0,005492	0,111007	0,135348	0,018067	0,010327	0,281314	1,207429	0,449685
330	0,78443		0,075661	0,281941	0,004691	0,131491	0,004691	0,092796	0,117962	0,013529	0,009445	0,227320	0,997916	0,369811
331	0,94229	147,745	0,121394	0,712366	0,007335	0,178195	0,007335	0,115785	0,155970	0,022225	0,009118	0,337268	1,564929	0,594426
332	0,90864	42,253	0,100879	0,500421	0,009057	0,187729	0,009057	0,122662	0,164970	0,022759	0,006928	0,306458	1,457886	0,666489
333	0,73917	171,239	0,088623	0,389869	0,005256	0,161407	0,005256	0,119203	0,146020	0,015387	0,010393	0,227810	1,018197	0,436718
334	0,90864		0,100879	0,500421	0,007335	0,178195	0,007335	0,119203	0,155970	0,022225	0,009118	0,306458	1,457886	0,594426
335	0,52227	163,756	0,091277	0,408408	0,005018	0,137711	0,005018	0,096523	0,117188	0,020523	0,008366	0,180279	1,167781	0,387649

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm²>	Sha (pruning = 5.00%) <μm²>	Sdv (pruning = 5.00%) <μm³>	Shv (pruning = 5.00%) <μm³>	Svd (pruning = 5.00%) <1/μm²>	Svc (pruning = 5.00%) <1/μm²>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>	Spq <no unit>	Svq <no unit>	Smq <no unit>
307	0,723917	146,166	145,29	2,043854	2,83868	0,007484	-0,387283	0,344564	0,139021	0,222441	8,497361	84,053055	0,12415	0,20717	64,07
308	0,879351	138,870	166,78	1,171358	1,90207	0,007288	-0,301973	0,285239	0,095958	0,187524	8,752681	86,289111	0,10500	0,30338	94,25
309	1,132075	99,309	112,10	1,629739	1,92782	0,010720	-0,401154	0,373388	0,145551	0,282276	8,662010	83,726427	0,14699	0,38876	91,20
310	1,284503	192,602	190,03	2,942513	4,65486	0,005392	-0,834434	0,458494	0,218758	0,312066	10,134327	86,567370	0,19107	0,35904	89,11
311	0,654766	135,380	100,30	1,329478	1,22007	0,007647	-0,234898	0,281010	0,094023	0,114407	8,594082	89,961807	0,10382	0,14382	95,13
312	1,691265	256,353	314,07	4,506373	8,48523	0,003922	-0,647190	0,418097	0,139398	0,383737	8,798502	85,820298	0,15610	0,55763	92,23
313	1,717133	188,666	401,33	3,540959	11,01713	0,005360	-0,835192	0,300398	0,156323	0,314791	10,921957	84,377195	0,13430	0,38188	88,44
314	1,490833	104,568	112,87	1,923432	2,88897	0,009837	-1,032825	0,548894	0,197981	0,354355	8,334250	86,428221	0,22084	0,60111	96,13
315	1,046340	137,319	128,52	2,404785	2,29286	0,007484	-0,394444	0,497031	0,215362	0,263164	8,102256	86,788677	0,19944	0,41188	96,19
316	1,987257	227,907	352,43	8,414321	14,92425	0,003726	-1,263606	0,426033	0,282939	0,591617	11,930373	79,996110	0,21792	0,68007	86,87
317	7,359194	148,370	317,11	13,6413	36,42165	0,004673	-5,681881	1,271688	1,470932	1,925146	16,226937	83,118274	0,80683	3,36952	94,47
318	2,473646	91,774	127,88	2,727079	6,89433	0,010883	-2,225212	0,933794	0,352761	0,488879	9,027838	89,694374	0,35955	1,02377	97,57
319	4,916420	120,072		8,184183		0,007778	-3,953547	1,102741	0,911846	1,207013	12,627388	86,406324			
320	0,956524	182,348	145,18	2,340670	2,75788	0,005589	-0,417429	0,338767	0,139759	0,203312	8,824922	86,963143	0,13849	0,52329	98,35
321	1,030310	127,613	116,25	1,975307	2,30975	0,008072	-0,406334	0,382570	0,124051	0,243260	8,382140	86,213074	0,13936	0,41981	95,37
322	0,855004	122,083	121,90	1,264912	2,06027	0,007974	-0,303127	0,351795	0,132088	0,208759	8,759916	86,400598	0,13411	0,25768	89,57
323	0,905764	152,215		1,802791		0,006781	-0,360278	0,345281	0,135923	0,206036	8,792419	86,681871			
324	0,879594	96,360	117,34	1,380027	1,86126	0,010883	-0,377587	0,370640	0,143971	0,248228	9,046978	85,506036	0,14272	0,27181	83,14
325	1,900028	196,467	245,29	3,767873	5,24232	0,004804	-0,726615	0,276686	0,183547	0,360832	10,525493	84,763678	0,13585	0,99174	96,67
326	0,720504	129,193	139,35	1,354500	2,04808	0,007811	-0,467888	0,261336	0,092248	0,112099	8,851265	89,246601	0,09739	0,12278	86,92
327	0,567876	136,774	96,32	1,335549	1,37917	0,007647	-0,238797	0,364851	0,103411	0,135196	7,154954	87,967121	****	****	****
328	0,535706	96,588	92,22	0,764689	0,86714	0,010425	-0,255869	0,253248	0,092299	0,135842	8,636247	87,149973	96,7857	148,477	82,91
329	0,757744	102,948	103,15	0,984885	1,46764	0,010164	-0,321166	0,287864	0,108355	0,175026	8,792559	85,881378	0,11265	0,28625	95,55
330	0,628105	112,890		1,059595		0,009118	-0,361879	0,257292	0,092273	0,123971	8,743756	88,198287			
331	0,970503	108,907	110,60	1,393915	1,97312	0,009674	-0,463055	0,315778	0,148123	0,227183	10,709913	87,428900	0,13520	0,41254	96,78
332	0,791398	174,256	147,30	1,894034	2,81252	0,005850	-0,382038	0,332749	0,180251	0,233172	10,816371	87,551054	****	****	****
333	0,581479	104,632	100,19	0,769569	1,34621	0,009902	-0,266222	0,323556	0,101846	0,132871	7,920909	87,614930	****	****	****
334	0,791398	108,907		1,393915		0,009674	-0,382038	0,323556	0,148123	0,227183	10,709913	87,551054			
335	0,780133	142,763	127,03	1,209091	2,11329	0,007353	-0,189260	0,243046	0,099238	0,205865	9,350358	84,430747	0,10125	0,25971	89,82

Type	Locality	Family	Taxa	Direction	Molar	Orientation	Facet	Scan's Filename	Selection [0=not used/1=used in statistics/ 2=used its median]	Specimen	Table correspond.
Fossil	Gerakarou	Equidae	<i>Equus altidens</i>	lower	lm2	dex	ptcd-db	Zinv-Equus-GER-33a-lm2dex-ptcd.mnt	2	GER-33	336
				lower	lm1	dex	ptcd-db	Zinv-Equus-GER-33d-lm1dex-ptcd.mnt	2	GER-33	337
				median	-	-	-	-	1	GER-33	338
				lower	lm2	sin	ptcd-db	Zinv-Equus-GER-34b-lm2sin-ptcd.mnt	1	GER-34	339
				Upper	UM1	sin	par-ml	Zinv-Equus-GER-35a-UM1sin-par-b.mnt	0	GER-35	340
				Upper	UM1	sin	pro-ml	Zinv-Equus-GER-35a-UM1sin-pro.mnt	2	GER-35	341
				Upper	UM2	sin	par-ml	Zinv-Equus-GER-35b-UM2sin-par-b.mnt	0	GER-35	342
				Upper	UM2	sin	pro-ml	Zinv-Equus-GER-35b-UM2sin-pro.mnt	2	GER-35	343
				median	-	-	-	-	1	GER-35	344
				Upper	UM2	dex	pro-ml	Zinv-Equus-GER-36b-UM2dex-pro.mnt	1	GER-36	345
				lower	lm2	dex	ptcd-db	Zinv-Equus-GER-70b-lm2dex-ptcd.mnt	1	GER-70	346
				lower	lm1	dex	ptcd-db	Zinv-Equus-GER-71a-lm1dex-ptcd.mnt	2	GER-71	347
				lower	lm2	dex	ptcd-db	Zinv-Equus-GER-71b-lm2dex-ptcd.mnt	2	GER-71	348
				median	-	-	-	-	1	GER-71	349
				Upper	UM1	sin	par-ml	Zinv-Equus-GER-8A-UM1sin-par-b.mnt	0	GER-8	350
				Upper	UM1	sin	pro-ml	Zinv-Equus-GER-8A-UM1sin-pro.mnt	2	GER-8	351
				Upper	UM2	sin	par-ml	Zinv-Equus-GER-8b-UM2sin-par-b.mnt	0	GER-8	352
				Upper	UM2	sin	pro-ml	Zinv-Equus-GER-8b-UM2sin-pro.mnt	2	GER-8	353
				Upper	UM1	dex	par-ml	Zinv-Equus-GER-8c-UM1dex-par-b.mnt	0	GER-8	354
				Upper	UM1	dex	pro-ml	Zinv-Equus-GER-8c-UM1dex-pro.mnt	2	GER-8	355
				Upper	UM2	dex	par-ml	Zinv-Equus-GER-8d-UM2dex-par-b.mnt	0	GER-8	356
				Upper	UM2	dex	pro-ml	Zinv-Equus-GER-8d-UM2dex-pro.mnt	2	GER-8	357
				median	-	-	-	-	1	GER-8	358
				Upper	UM1	sin	pro-ml	Zinv-Equus-GER-9a-UM1sin-pro.mnt	2	GER-9	359
				Upper	UM1	dex	par-ml	Zinv-Equus-GER-9c-UM1dex-par-b.mnt	0	GER-9	360
				Upper	UM1	dex	pro-ml	Zinv-Equus-GER-9c-UM1dex-pro.mnt	2	GER-9	361
				Upper	UM2	dex	par-ml	Zinv-Equus-GER-9d-UM2dex-par-b.mnt	0	GER-9	362
				Upper	UM2	sin	pro-ml	Zinv-Equus-GER-9d-UM2sin-pro.mnt	2	GER-9	363
				median	-	-	-	-	1	GER-9	364

Table correspond.	Scale Sensitive Fractal Analyses (SSFA)						Volume Scale - Filling 3D Square			Disparities of parameters		
	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax) /epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (HAsfc36/H36)	HAsfc81 (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftfv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
336	1,067740	0,998681	1,429857	0,000460	0,185395	0,298584	0,428992	39505,761	59016,437	0,003001	1,061899	0,075237
337	0,866088	0,998865	2,158261	0,001465	0,195608	0,302784	0,425192	45349,407	64920,476	0,105613	0,538107	0,062711
338	0,966914	0,998773	1,794059	0,000962	0,190501	0,300684	0,427092	42427,584	61968,457	0,054307	0,800003	0,068974
339	3,193611	0,997556	1,429857	0,002286	0,508753	0,516766	0,667971	44666,435	66905,144	0,704105	0,250682	0,047536
340	1,019729	0,998654	2,651611	0,001377	0,221063	0,293733	0,379357	46982,988	66001,691	0,026494	0,574206	0,098098
341	1,013844	0,998319	0,627581	0,001479	0,284320	0,446399	0,598774	44428,043	66486,459	0,029412	0,532471	0,042185
342	1,073955	0,998606	1,756703	0,002190	0,187580	0,268097	0,342855	39060,688	58553,269	0,000000	0,280074	0,086567
343	0,743717	0,998631	1,429857	0,003252	0,204841	0,308646	0,390947	44157,721	62184,621	0,173438	0,007228	0,036082
344	0,878781	0,998475	1,028719	0,002366	0,244580	0,377522	0,494861	44292,882	64335,540	0,101425	0,269849	0,039133
345	1,268566	0,996909	0,275453	0,003729	0,256025	0,337278	0,436035	32649,839	55259,304	0,089690	0,113544	0,265838
346	3,181085	0,998584	0,947286	0,002682	0,182505	0,371665	0,679652	33948,607	57661,581	0,701113	0,136736	0,226831
347	2,322833	0,998290	2,158261	0,001173	0,404520	0,544589	0,790923	48232,805	70755,683	0,471360	0,664114	0,124351
348	2,641705	0,998598	1,429857	0,001476	0,384084	0,571811	0,814789	51532,032	68661,251	0,562994	0,533610	0,190514
349	2,482269	0,998444	1,794059	0,001324	0,394302	0,558200	0,802856	49882,419	69708,467	0,517177	0,598862	0,157433
350	2,003575	0,999071	0,947286	0,002723	0,576148	0,702837	0,788283	34945,835	57462,561	0,370346	0,125792	0,197881
351	1,379555	0,997827	4,002406	0,005105	0,296944	0,420113	0,510722	45454,516	66102,660	0,137456	0,368944	0,065026
352	1,350131	0,998883	0,947286	0,004160	0,185300	0,246353	0,347242	34349,746	56055,230	0,125013	0,200675	0,215085
353	1,339662	0,998926	0,627581	0,004377	0,316647	0,410822	0,579145	43386,031	63130,919	0,120549	0,241941	0,018452
354	0,971066	0,997787	0,275453	0,003270	0,352747	0,466646	0,602843	37698,416	58187,059	0,050883	0,011458	0,122064
355	0,904699	0,998581	1,163823	0,005728	0,357725	0,471082	0,680576	41342,980	63641,438	0,085134	0,466036	0,029782
356	0,768794	0,998358	0,947286	0,000486	0,251320	0,342166	0,410663	44555,325	64163,723	0,159160	1,043943	0,045045
357	1,339662	0,998926	0,627581	0,004377	0,316647	0,410822	0,579145	43386,031	63130,919	0,120549	0,241941	0,018452
358	1,339662	0,998754	0,895702	0,004741	0,316647	0,415468	0,579145	43386,031	63386,178	0,120549	0,305442	0,024117
359	1,751813	0,999093	0,947286	0,001944	0,244676	0,355164	0,462478	38639,843	60033,702	0,282802	0,360317	0,097399
360	1,162125	0,998122	0,415775	0,000598	0,816577	0,876202	1,006131	36641,220	56589,264	0,041634	0,971453	0,150508
361	1,057083	0,997886	0,415775	0,004342	0,393126	0,703422	0,934695	40979,773	60545,536	0,008169	0,235398	0,038606
362	1,723062	0,997906	0,627581	0,003222	0,555421	0,976389	1,636135	40620,240	59200,875	0,272299	0,000000	0,047418
363	0,784284	0,997850	0,627581	0,006984	0,355923	0,420583	0,586065	50007,233	66191,677	0,150441	0,637152	0,160479
364	1,057083	0,997886	0,627581	0,004342	0,355923	0,420583	0,586065	40979,773	60545,536	0,150441	0,360317	0,097399

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Sq <μm>		Ssk <no unit>		Sku <no unit>		Sp<μm>		Sv<μm>		Sz<μm>		Sa<μm>		Smr (c = 1.00 μm below highest peak) <%>		Smc (p = 10.0%) <μm>		Sxp (p = 50.0%, q = 97.5%) <μm>		Sal (s = 0.300) <μm>		Sal #1 (s = 0.400) <μm>		Sal #2 (s = 0.500) <μm>		Str (s = 0.300) <no unit>		Str #1 (s = 0.400) <no unit>	
	336	0,12397	-0,85765	6,55689	0,44606	1,24834	1,69440	0,09475	99,86024	0,14492	0,28004	3,76165	3,20978	2,66494	0,82133	0,87372														
337	0,11642	-0,82903	5,66333	0,41031	0,89484	1,30515	0,08776	99,88209	0,13275	0,26936	3,30216	2,81148	2,36666	0,61668	0,64985															
338	0,12019	-0,84334	6,11011	0,42819	1,07159	1,49977	0,09125	99,87116	0,13883	0,27470	3,53191	3,01063	2,51580	0,71901	0,76179															
339	0,24845	-0,98725	6,82306	0,92580	2,33080	3,25660	0,18251	68,48109	0,27186	0,60422	4,16433	3,46121	2,86211	0,90181	0,88539															
340	0,15017	-0,69345	4,61177	0,77814	0,83825	1,61639	0,11447	91,92429	0,16622	0,36261	4,61219	3,82430	3,13894	0,85933	0,86858															
341	0,14616	0,23962	4,71242	0,87495	0,97518	1,85013	0,11199	81,65856	0,17231	0,27126	4,60725	3,89854	3,27600	0,74429	0,76991															
342	0,12957	-0,20634	3,60490	0,58579	0,78327	1,36906	0,10126	99,66834	0,15914	0,27201	3,69102	3,06124	2,52083	0,71540	0,72477															
343	0,11029	-0,20231	4,05844	0,55205	0,63777	1,18982	0,08531	99,91325	0,12820	0,23547	3,94487	3,24032	2,66111	0,80443	0,80112															
344	0,12822	0,01865	4,38543	0,71350	0,80647	1,51997	0,09865	90,78591	0,15025	0,25337	4,27606	3,56943	2,96855	0,77436	0,78552															
345	0,14595	-0,68990	5,23285	0,67328	1,25789	1,93116	0,11097	97,61212	0,16760	0,33478	3,74094	3,23638	2,77057	0,35532	0,47056															
346	0,23799	-1,18021	6,58310	0,99283	1,89858	2,89141	0,17505	58,60560	0,24771	0,61484	3,86291	3,23117	2,68005	0,74044	0,75106															
347	0,19195	-0,98530	7,13743	0,99084	2,30953	3,30038	0,13719	58,14690	0,19796	0,49119	3,36430	2,83833	2,37999	0,70241	0,73367															
348	0,25754	-1,53180	8,72333	1,08177	2,45955	3,54132	0,18291	40,52187	0,25867	0,68166	3,97972	3,39363	2,85392	0,58420	0,64783															
349	0,22475	-1,25855	7,93038	1,03631	2,38454	3,42085	0,16005	49,33438	0,22831	0,58643	3,67201	3,11598	2,61695	0,64331	0,69075															
350	0,18431	-0,62252	5,66415	0,92223	1,51453	2,43676	0,13703	70,86388	0,21222	0,41412	4,11886	3,41811	2,81353	0,82787	0,82107															
351	0,19059	-0,33263	3,72850	0,65561	1,08441	1,74003	0,14958	96,14911	0,24466	0,39795	4,73670	3,92671	3,26625	0,55064	0,62662															
352	0,15773	-0,28337	3,37386	0,54581	0,86260	1,40841	0,12500	99,40151	0,19597	0,33125	3,66893	3,05009	2,52152	0,41149	0,43979															
353	0,14204	-0,12224	4,97058	0,69861	1,70884	2,40745	0,10912	98,09845	0,17541	0,27790	4,50228	3,76617	3,10496	0,54060	0,73784															
354	0,12851	-0,52321	5,44207	0,61899	1,16733	1,78632	0,09386	98,86885	0,15335	0,29674	5,09188	4,18280	3,40820	0,69134	0,76869															
355	0,13690	-1,05093	8,98736	0,61334	1,29226	1,90559	0,09697	98,55859	0,14947	0,30341	3,45286	2,96403	2,53299	0,14290	0,23283															
356	0,11808	-0,07457	3,51169	0,54199	0,69677	1,23876	0,09299	99,92710	0,14929	0,23290	4,63270	3,79366	3,05394	0,84875	0,82404															
357	0,14204	-0,12224	4,97058	0,69861	1,70884	2,40745	0,10912	98,09845	0,17541	0,27790	4,50228	3,76617	3,10496	0,54060	0,73784															
358	0,14204	-0,22743	4,97058	0,67711	1,50055	2,15652	0,10912	98,09845	0,17541	0,29065	4,50228	3,76617	3,10496	0,54060	0,68223															
359	0,18289	-0,23296	4,09907	0,76520	1,18396	1,94917	0,14138	91,28016	0,22385	0,37417	4,20842	3,52533	2,90501	0,79712	0,78430															
360	0,14039	-1,53243	11,72616	0,58842	1,31537	1,90379	0,09633	98,60700	0,14823	0,30548	4,52784	3,80608	3,13896	0,82525	0,85260															
361	0,13344	-0,61642	7,46336	0,99341	1,00055	1,99396	0,09513	56,44483	0,13926	0,31258	3,93814	3,30427	2,73142	0,60723	0,63274															
362	0,16101	-0,98988	7,97804	0,80176	1,43522	2,23698	0,11195	92,06956	0,17555	0,38569	4,76566	3,91169	3,18074	0,73851	0,77137															
363	0,12536	-0,21963	4,85481	0,56669	1,18644	1,75314	0,09612	99,76129	0,14995	0,25498	3,94137	3,39379	2,88746	0,26418	0,41180															
364	0,13344	-0,23296	4,85481	0,76520	1,18396	1,94917	0,09612	91,28016	0,14995	0,31258	3,94137	3,39379	2,88746	0,60723	0,63274															

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	Str #2 (s = 0.500) <no unit>	Std (Reference angle = 0.00°)	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) <μm³/μm²>	Vv (p = 10.0%) <μm³/μm²>	Vmp (p = 10.0%) <μm³/μm²>	Vmc (p = 10.0%, q = 80.0%) <μm³/μm²>	Vvc (p = 10.0%, q = 80.0%) <μm³/μm²>	Vvw (p = 80.0%) <μm³/μm²>	Spd (pruning = 5.00%) <1/μm²>	Spc (pruning = 5.00%) <1/μm²>	S10z (pruning = 5.00%) <μm>	S5p (pruning = 5.00%) <μm>
336	0,89820	3,003	0,101487	0,504081	0,004918	0,149842	0,004918	0,104435	0,132180	0,017662	0,009053	0,272662	1,276990	0,412281
337	0,67818	81,503	0,091642	0,413524	0,004841	0,137588	0,004841	0,094927	0,119973	0,017615	0,011308	0,212724	1,195134	0,403057
338	0,78819		0,096565	0,458802	0,004880	0,143715	0,004880	0,099681	0,126076	0,017639	0,010180	0,242693	1,236062	0,407669
339	0,86655	21,001	0,199840	1,791082	0,011706	0,283567	0,011706	0,196256	0,244191	0,039375	0,006144	0,476993	2,680222	0,874741
340	0,86545	16,749	0,107614	0,562714	0,006030	0,172249	0,006030	0,126806	0,148971	0,023278	0,008464	0,327712	1,453109	0,670591
341	0,79407	156,004	0,105130	0,531871	0,009426	0,181736	0,009426	0,123191	0,165671	0,016065	0,007059	0,340941	1,520043	0,711495
342	0,72781	23,237	0,105493	0,545989	0,006113	0,165249	0,006113	0,113054	0,148970	0,016279	0,011439	0,332137	1,146605	0,497103
343	0,80165	3,500	0,086352	0,369551	0,005798	0,133996	0,005798	0,094806	0,119717	0,014278	0,011014	0,211897	1,016592	0,464080
344	0,79786		0,095741	0,450711	0,007612	0,157866	0,007612	0,108998	0,142694	0,015172	0,009036	0,276419	1,268317	0,587788
345	0,55966	93,505	0,110093	0,586520	0,006354	0,173952	0,006354	0,122493	0,152983	0,020969	0,007974	0,496756	1,530493	0,611143
346	0,75626	16,740	0,195327	1,715018	0,009138	0,256844	0,009138	0,186428	0,216128	0,040715	0,006046	0,391860	2,482462	0,872005
347	0,76702	47,753	0,159741	1,173520	0,009638	0,207593	0,009638	0,141214	0,175741	0,031852	0,004575	0,410029	2,256449	0,814080
348	0,69201	155,002	0,188849	1,614923	0,009723	0,268389	0,009723	0,186718	0,221087	0,047302	0,003856	0,445533	2,746821	0,912790
349	0,72951		0,174295	1,394221	0,009681	0,237991	0,009681	0,163966	0,198414	0,039577	0,004216	0,427781	2,501635	0,863435
350	0,81276	10,006	0,151651	1,065589	0,009054	0,221276	0,009054	0,145610	0,194734	0,026542	0,007255	0,433041	2,110441	0,825553
351	0,67176	22,755	0,128772	0,803184	0,007524	0,252186	0,007524	0,164563	0,228251	0,023934	0,009380	0,353690	1,598482	0,589513
352	0,46564	3,497	0,118698	0,688465	0,006600	0,202572	0,006600	0,141848	0,183155	0,019417	0,010818	0,317821	1,296256	0,526713
353	0,84396	145,254	0,115529	0,631074	0,007682	0,183091	0,007682	0,117842	0,166229	0,016862	0,005621	0,338671	1,631611	0,588652
354	0,83769	86,997	0,100985	0,497172	0,006734	0,160084	0,006734	0,095278	0,140933	0,019151	0,008726	0,395396	1,359531	0,514770
355	0,34783	135,253	0,104594	0,515893	0,007192	0,156664	0,007192	0,099232	0,136171	0,020494	0,005131	0,294954	1,683704	0,515633
356	0,79107	176,502	0,088436	0,386643	0,005790	0,155083	0,005790	0,103867	0,141699	0,013384	0,010948	0,292137	1,035525	0,474191
357	0,84396	145,254	0,115529	0,631074	0,007682	0,183091	0,007682	0,117842	0,166229	0,016862	0,005621	0,338671	1,631611	0,588652
358	0,75786		0,115529	0,631074	0,007603	0,183091	0,007603	0,117842	0,166229	0,018678	0,005621	0,338671	1,631611	0,588652
359	0,77161	176,751	0,136882	0,894828	0,009315	0,233161	0,009315	0,153929	0,210330	0,022831	0,008072	0,363501	1,708652	0,668853
360	0,86314	167,995	0,111265	0,580726	0,006992	0,155220	0,006992	0,096841	0,133474	0,021746	0,005785	0,365210	1,750058	0,579750
361	0,64685	176,256	0,107448	0,553741	0,007741	0,147001	0,007741	0,097861	0,126392	0,020609	0,006177	0,408320	1,596661	0,709070
362	0,79316	171,243	0,131651	0,795319	0,008964	0,184519	0,008964	0,108833	0,158389	0,026129	0,006209	0,391903	1,963184	0,705672
363	0,50331	86,253	0,088102	0,378227	0,006746	0,156697	0,006746	0,106401	0,141134	0,015563	0,007190	0,342700	1,407265	0,514127
364	0,64685		0,107448	0,553741	0,007741	0,156697	0,007741	0,106401	0,141134	0,020609	0,007190	0,363501	1,596661	0,668853

Surface Texture Analysis (STA) [ ISO 25178-2 ]

Table correspond.	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm²>	Sha (pruning = 5.00%) <μm²>	Sdv (pruning = 5.00%) <μm³>	Shv (pruning = 5.00%) <μm³>	Svd (pruning = 5.00%) <1/μm²>	Svc (pruning = 5.00%) <1/μm²>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>	Spq <no unit>	Svq <no unit>	Smq <no unit>
336	0,864709	134,034	112,37	1,602303	1,79535	0,007974	-0,340610	0,288170	0,095591	0,175477	8,678804	87,678129	0,10568	0,21458	89,83
337	0,792078	101,225	86,99	0,967414	1,43962	0,009706	-0,243655	0,259477	0,096017	0,175679	8,898551	87,061739	0,09982	0,19665	87,66
338	0,828393	117,629		1,284858		0,008840	-0,292133	0,273824	0,095804	0,175578	8,788678	87,369934			
339	1,805482	143,226	170,55	3,432157	5,23508	0,006765	-0,920764	0,480518	0,235316	0,391089	10,437064	84,044905	0,22352	0,49302	92,34
340	0,782517	127,103	123,64	1,608783	1,99148	0,007746	-0,334624	0,327776	0,120881	0,228376	7,762539	85,183022	0,11578	0,21622	72,72
341	0,808548	144,436	143,96	1,876121	2,42344	0,006961	-0,409195	0,347398	0,188482	0,145469	10,001159	89,800114	*****	*****	*****
342	0,649503	95,300	90,35	1,002475	1,70270	0,010425	-0,350307	0,315459	0,121743	0,152771	9,724747	88,928861	0,12283	0,19609	94,47
343	0,552512	99,811	92,47	0,924675	1,25533	0,010295	-0,263785	0,259925	0,116651	0,132778	8,782716	87,650613	0,10684	0,16866	95,03
344	0,680530	122,124		1,400398		0,008628	-0,336490	0,303662	0,152567	0,139123	9,391937	88,725363			
345	0,919350	162,303	126,60	2,196440	1,91036	0,006144	-0,494075	0,323031	0,126594	0,208451	9,188046	86,537591	0,12989	0,38927	97,03
346	1,610457	122,901	170,58	2,336971	6,15692	0,008268	-0,724865	0,466849	0,184209	0,407599	7,969221	83,917720	0,17190	0,52991	87,83
347	1,442369	247,816	252,50	4,452603	8,35489	0,004412	-0,650083	0,359689	0,192925	0,333669	9,830634	85,151532	0,15920	0,43917	91,11
348	1,834031	148,539	261,00	3,704997	10,28611	0,006177	-0,596417	0,465453	0,193303	0,484901	8,844546	83,840524	0,18437	0,80045	93,43
349	1,638200	198,177		4,078800		0,005294	-0,623250	0,412571	0,193114	0,409285	9,337590	84,496028			
350	1,284887	128,146	132,43	1,855061	3,37301	0,007157	-0,594338	0,397233	0,181839	0,277109	10,605168	87,949123	0,16920	0,46616	96,05
351	1,008969	101,364	110,92	1,178362	1,99269	0,009641	-0,454907	0,473813	0,153845	0,240772	10,689895	90,462159	0,18067	0,38513	97,03
352	0,769542	91,589	94,51	0,991686	1,55391	0,011144	-0,402900	0,402709	0,128298	0,179424	8,694579	89,459762	0,14322	0,23129	90,37
353	1,042959	154,167	189,35	2,213349	4,78408	0,006340	-0,533473	0,336160	0,154918	0,168469	11,207556	90,372974	*****	*****	*****
354	0,844761	123,390	111,62	1,230510	1,57918	0,008040	-0,455820	0,255815	0,142698	0,206969	13,227199	87,970498	*****	*****	*****
355	1,168071	153,289	210,28	1,790399	3,10067	0,006471	-0,478585	0,268344	0,144713	0,226957	11,242362	87,776623	0,12458	0,45922	96,55
356	0,561334	116,654	91,59	0,983980	1,04536	0,008889	-0,251697	0,297082	0,116166	0,128144	10,182263	90,706316	*****	*****	*****
357	1,042959	154,167	189,35	2,213349	4,78408	0,006340	-0,533473	0,336160	0,154918	0,168469	11,207556	90,372974	*****	*****	*****
358	1,042959	153,728		2,001874		0,006406	-0,506029	0,336160	0,154381	0,197713	11,207556	90,372974			
359	1,039799	141,023	125,44	1,688500	3,05478	0,007582	-0,399729	0,439854	0,186878	0,226052	10,232315	89,860598	0,17817	0,35149	97,12
360	1,170308	139,870	174,45	1,416245	2,76674	0,006667	-0,440238	0,258167	0,141722	0,246238	11,606560	87,439643	0,11995	0,59888	96,74
361	0,887591	147,534	146,85	1,554575	2,60187	0,005981	-0,481821	0,255900	0,154292	0,212842	10,254049	85,910251	0,11982	0,35953	95,54
362	1,257513	142,865	156,56	1,759983	3,36753	0,006111	-0,733943	0,289324	0,183079	0,288907	12,729998	87,026272	0,14239	0,47815	95,05
363	0,893138	191,289	134,16	2,186886	2,15983	0,005490	-0,551302	0,291150	0,134967	0,146960	10,220529	88,350063	*****	*****	*****
364	0,893138	147,534		1,688500		0,005981	-0,481821	0,291150	0,154292	0,212842	10,232315	88,350063			

# B1. Summary



All ( selection 1)	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax)/ epLsar	HA <sub>sfc9</sub> (H9)	Heterogeneity of Asfc (H36)	HA <sub>sfc81</sub> (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftfv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
N	283	283	283	283	283	283	283	283	283	283	283	283
Min	0,25632	0,984797	0,00832	0,000258	0,074633	0,251787	0,325101	0	12701,42	0	0	0
Max	16,71654	0,99996	132,5008	0,010547	2,554215	3,844457	6,017412	79340,8	107129,4	1,589967	1,566846	10,57436
Sum	643,3785	282,6519	634,3841	1,22352	127,6549	186,9929	257,756	1,06E+07	1,63E+07	80,35174	95,97033	113,8112
Mean	2,273422	0,99877	2,24164	0,0043234	0,451078	0,660752	0,910799	37400,55	57529,73	0,283928	0,3391178	0,40216
Standard error	0,1260761	0,0001107	0,684135	0,0001442	0,019045	0,024139	0,037532	817,0983	833,6703	0,015936	0,01779297	0,058606
Variance	4,49834	3,47E-06	132,4556	5,89E-06	0,102648	0,164899	0,398644	1,89E+08	1,97E+08	0,071866	0,08959486	0,972022
Standard deviation	2,120929	0,0018621	11,50894	0,0024261	0,320388	0,406078	0,631383	13745,72	14024,5	0,268078	0,299324	0,985912
Median	1,618058	0,999365	0,532512	0,0041868	0,371194	0,542255	0,718899	39011,38	58839,15	0,202981	0,2698494	0,197463
25 percentile	1,123683	0,9984479	0,299538	0,0022856	0,275045	0,420583	0,561286	30859,38	49940,7	0,105828	0,1154288	0,067031
75 percentile	2,707472	0,99971	1,028719	0,0060372	0,507973	0,733678	0,995267	45893,72	66880,59	0,367516	0,4772939	0,350134
Skewness	3,761788	-4,895953	10,48893	0,2855291	3,266597	3,179773	3,510913	-0,634688	-0,4928478	2,077568	1,356918	7,969733
Kurtosis	19,39895	30,43706	116,1306	-0,764322	15,05278	16,18963	18,81741	0,5893346	0,7940926	5,474482	2,035887	76,37142
Geometric mean	1,771609	0,9987683	0,59839	0,00346	0,384237	0,584178	0,788125	0	55422,18	0	0	0
Coefficient of variation	93,29234	0,186441	513,416	56,11649	71,02724	61,45692	69,3219	36,75272	24,37784	94,41738	88,2655	245,1542

<i>Bos taurus</i>	Asfc	R <sup>2</sup>	Smfc	epLsar	H9	H36	H81	Tfv2	Tfv02	Disp-Asfc	Disp-epLsar	Disp-Tfv2
N	44	44	44	44	44	44	44	44	44	44	44	44
Min	0,561699	0,99881	0,00832	0,000517	0,115182	0,257164	0,325101	8207,312	32446,36	0,022692	0,00372597	0,000308
Max	5,542377	0,99996	0,67396	0,008319	1,5261	1,382633	2,232094	62835,92	79527,54	1,047449	1,466609	1,544738
Sum	69,09439	43,98604	15,13498	0,227575	18,50335	25,44305	34,52706	1673861	2528940	9,089687	13,81618	9,383449
Mean	1,570327	0,9996827	0,343977	0,0051722	0,420531	0,578251	0,784706	38042,3	57475,92	0,206584	0,3140042	0,21326
Standard error	0,1426387	3,40E-05	0,024661	0,0003168	0,043744	0,041531	0,061939	1487,565	1509,566	0,033008	0,04447623	0,03866
Variance	0,8952153	5,09E-08	0,026758	4,41E-06	0,084197	0,075892	0,168803	9,74E+07	1,00E+08	0,047939	0,08703794	0,065761
Standard deviation	0,9461582	0,0002255	0,16358	0,0021011	0,290168	0,275485	0,410857	9867,391	10013,33	0,218951	0,2950219	0,256439
Median	1,295864	0,9997	0,353621	0,0055755	0,32975	0,496948	0,673985	38469,26	56916,86	0,125923	0,2827899	0,176733
25 percentile	1,035441	0,9995825	0,208012	0,0033833	0,238426	0,368467	0,465177	31026,61	50646,87	0,071756	0,09116655	0,061293
75 percentile	1,654342	0,9998675	0,407704	0,0068723	0,495561	0,715112	0,970133	44861,85	65145,41	0,268925	0,4056387	0,256525
Skewness	2,396437	-1,560685	0,222562	-0,324695	1,983437	1,191875	1,528255	-0,366112	-0,1211702	2,108174	1,812746	3,611057
Kurtosis	6,91984	4,019538	-0,07301	-0,93284	4,519629	0,91895	2,606101	1,339107	-0,0141143	4,704526	4,486389	17,01667
Geometric mean	1,385949	0,9996827	0,287343	0,0045954	0,351214	0,524084	0,701011	36423	56576,68	0,133206	0,1677881	0,099134
Coefficient of variation	60,2523	0,0225577	47,55542	40,62416	69,00045	47,64099	52,35805	25,93795	17,42179	105,9864	93,95478	120,2468

All ( selection 1)	Sq <μm>	Ssk <no unit>	Sku <no unit>	Sp<μm>	Sv<μm>	Sz<μm>	Sa<μm>	Smr (c = 1.00 μm below highest peak) <%>	Smc (p = 10.0%) <μm>	Sxp (p = 50.0%, q = 97.5%) <μm>	Sal (s = 0.300) <μm>	Sal #1 (s = 0.400) <μm>	Sal #2 (s = 0.500) <μm>
N	283	283	283	283	283	283	283	283	283	283	283	283	283
Min	0,032311	-12,5215	3,452714	0,164332	0,462719	0,774065	0,021982	0,01830081	0,031937	0,074025	1,472042	1,262021	1,087816
Max	0,819425	0,018651	265,2814	5,681981	12,51052	18,19251	0,534217	100	0,731362	2,170603	5,183518	4,379173	3,656857
Sum	51,77464	-592,96	5718,181	248,743	631,0852	880,0978	33,91144	21268,39	47,41809	126,394	955,4914	810,8005	680,4133
Mean	0,182949	-2,09526	20,20558	0,878951	2,229983	3,109886	0,119828	75,15331	0,167555	0,446622	3,376295	2,865019	2,404287
Standard error	0,005862	0,105968	1,782585	0,039614	0,107059	0,13991	0,003238	2,139048	0,004457	0,013278	0,042226	0,035951	0,030175
Variance	0,009725	3,177858	899,2632	0,444107	3,243619	5,539701	0,002966	1294,874	0,005622	0,049895	0,504592	0,365768	0,257678
Standard deviation	0,098615	1,782655	29,98772	0,666413	1,801005	2,353657	0,054464	35,98435	0,07498	0,223373	0,710346	0,604788	0,50762
Median	0,159731	-1,52334	10,0868	0,699589	1,709717	2,403402	0,109182	94,82476	0,153568	0,400382	3,366839	2,881038	2,430289
25 percentile	0,124	-2,44603	6,404863	0,507775	1,139621	1,790624	0,086273	66,538	0,122595	0,310892	2,871081	2,436482	2,024415
75 percentile	0,212143	-1,02736	18,13969	0,980345	2,56441	3,432724	0,144058	99,44967	0,203079	0,526438	3,862913	3,285827	2,745996
Skewness	3,035471	-2,36067	4,164696	3,440858	2,687131	2,856611	2,965598	-1,286194	3,249917	2,770582	-0,00336	-0,05338	-0,09246
Kurtosis	14,2028	7,299111	22,95529	16,48366	9,206691	10,54313	17,5329	-0,04209186	21,20763	14,80622	-0,32079	-0,39709	-0,48605
Geometric mean	0,165083	0	12,27496	0,740993	1,801777	2,599762	0,11045	40,61486	0,154964	0,405047	3,297711	2,797478	2,347391
Coefficient of variation	53,90301	-85,0802	148,413	75,81919	80,76317	75,68306	45,45171	47,88126	44,74965	50,01381	21,03923	21,10937	21,11313

<i>Bos taurus</i>	Sq	Ssk	Sku	Sp	Sv	Sz	Sa	Smr	Smc	Sxp	Sal	Sal #1	Sal #2
N	44	44	44	44	44	44	44	44	44	44	44	44	44
Min	0,073293	-3,18311	4,532313	0,340798	0,499345	0,927837	0,053537	21,51357	0,080745	0,158335	1,938996	1,668168	1,385245
Max	0,331396	-0,63862	46,01928	1,195792	3,351056	4,457139	0,22164	100	0,276571	1,029521	4,114474	3,485867	2,933182
Sum	5,863494	-66,0112	494,7809	27,21202	65,06818	92,28021	4,132195	4136,931	5,968752	14,69839	123,7331	104,7621	87,68518
Mean	0,133261	-1,50025	11,24502	0,618455	1,478822	2,097277	0,093914	94,02115	0,135654	0,334054	2,812115	2,380957	1,992845
Standard error	0,00673	0,089548	1,203296	0,028494	0,112883	0,132362	0,004187	2,092219	0,005197	0,020572	0,074618	0,061903	0,051095
Variance	0,001993	0,352829	63,70848	0,035724	0,560668	0,77087	0,000771	192,6048	0,001189	0,018621	0,244988	0,168605	0,114873
Standard deviation	0,044639	0,593994	7,981759	0,189007	0,748778	0,877992	0,027772	13,87821	0,034475	0,13646	0,494963	0,410615	0,338929
Median	0,127784	-1,33597	8,785493	0,592341	1,183974	1,805553	0,090489	99,13936	0,12996	0,313608	2,702054	2,322544	1,944642
25 percentile	0,109509	-1,72291	6,522592	0,463446	0,995925	1,420285	0,078703	94,87152	0,117301	0,260502	2,529801	2,171957	1,826061
75 percentile	0,142317	-1,10922	11,9227	0,727921	1,759623	2,493718	0,100325	99,76117	0,147471	0,357769	3,055273	2,552238	2,118415
Skewness	2,296116	-1,29843	2,690222	0,915409	1,284649	1,233614	2,446634	-3,913285	1,811567	3,233387	0,775248	0,788161	0,799114
Kurtosis	8,263887	1,424154	8,487621	0,669918	0,690505	0,721172	9,770513	17,73694	5,67998	15,36291	0,972631	1,127139	1,253565
Geometric mean	0,127582	0	9,618905	0,592615	1,32872	1,947551	0,090766	92,11741	0,132018	0,315463	2,771458	2,347905	1,965931
Coefficient of variation	33,49705	-39,5929	70,9804	30,56117	50,63337	41,86342	29,57232	14,76073	25,41408	40,84955	17,60109	17,2458	17,00729

All ( selection 1)	Str (s = 0.300) <no unit>	Str #1 (s = 0.400) <no unit>	Str #2 (s = 0.500) <no unit>	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vv (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vmp (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vmc (p = 10.0%, q = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vvc (p = 10.0%, q = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vvv (p = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Spd (pruning = 5.00%) <1/μm <sup>2</sup> >
N	283	283	283	283	283	283	283	283	283	283	283	283
Min	0,055665	0,068539	0,08127	0,046749	0,099786	0,001555	0,033492	0,001555	0,02144525	0,02828758	0,0052046	0,000163
Max	0,924049	0,926389	0,938339	0,846396	11,58535	0,060438	0,779235	0,060438	0,494214	0,6629946	0,1806061	0,013563
Sum	131,2045	144,7793	155,7611	43,59594	315,5023	2,371587	49,78877	2,371587	33,08668	40,66033	9,135301	1,253335
Mean	0,46362	0,511588	0,550393	0,154049	1,114849	0,00838	0,175932	0,00838	0,116914	0,1436761	0,0322802	0,004429
Standard error	0,014448	0,013674	0,012839	0,005365	0,07312	0,000385	0,004749	0,000385	0,003086408	0,00386694	0,0011189	0,000165
Variance	0,059076	0,052917	0,046651	0,008145	1,513082	4,19E-05	0,006382	4,19E-05	0,002695834	0,00423176	0,0003543	7,69E-06
Standard deviation	0,243056	0,230038	0,215989	0,090249	1,230074	0,00647	0,079889	0,00647	0,05192142	0,06505201	0,0188232	0,002772
Median	0,457298	0,511725	0,55545	0,128434	0,765325	0,006804	0,160354	0,006804	0,1083633	0,1326133	0,0277881	0,003987
25 percentile	0,248031	0,312085	0,387909	0,10353	0,508026	0,004839	0,127405	0,004839	0,08509325	0,1042769	0,0208454	0,002255
75 percentile	0,660756	0,709975	0,745489	0,174295	1,254055	0,009786	0,21288	0,009786	0,1427719	0,1723857	0,0373473	0,006144
Skewness	0,172819	0,019487	-0,10192	3,44003	4,834307	3,95808	3,28308	3,95808	2,555087	3,214333	3,079075	0,673058
Kurtosis	-1,15296	-1,08491	-0,97615	17,26314	31,83925	22,8065	21,31968	22,8065	14,84193	21,21516	16,25296	0,167534
Geometric mean	0,388548	0,449336	0,499148	0,138538	0,832145	0,007031	0,162461	0,007031	0,1074187	0,1325102	0,0285882	0,003374
Coefficient of variation	52,4257	44,96552	39,24275	58,58429	110,3355	77,20427	45,40893	77,20427	44,40991	45,27685	58,31189	62,59736

<i>Bos taurus</i>	Str	Str #1	Str #2	Sdq	Sdr	Vm	Vv	Vmp	Vmc	Vvc	Vvv	Spd
N	44	44	44	44	44	44	44	44	44	44	44	44
Min	0,072138	0,107165	0,143588	0,069885	0,24263	0,002775	0,083519	0,002775	0,05804897	0,07288903	0,0106304	0,001438
Max	0,907486	0,926389	0,938339	0,262953	2,975921	0,013382	0,289953	0,013382	0,2029649	0,2180751	0,0718775	0,013269
Sum	14,05773	16,4031	18,37317	5,337153	32,21716	0,24659	6,215343	0,24659	4,242651	5,213699	1,001644	0,26655
Mean	0,319494	0,372798	0,417572	0,121299	0,732208	0,005604	0,141258	0,005604	0,09642389	0,1184931	0,0227646	0,006058
Standard error	0,029707	0,029456	0,029074	0,0058	0,07394	0,000355	0,00548	0,000355	0,003764469	0,00408847	0,0015101	0,000391
Variance	0,038831	0,038177	0,037194	0,00148	0,240554	5,55E-06	0,001322	5,55E-06	0,000623534	0,00073549	0,0001003	6,73E-06
Standard deviation	0,197055	0,195389	0,192858	0,038473	0,490463	0,002355	0,036353	0,002355	0,02497067	0,02711986	0,0100167	0,002595
Median	0,272875	0,326584	0,387084	0,110928	0,589865	0,005161	0,13535	0,005161	0,09258817	0,1139875	0,020636	0,005768
25 percentile	0,157679	0,211853	0,253349	0,098742	0,476981	0,004063	0,121271	0,004063	0,08151135	0,1045118	0,0181008	0,004159
75 percentile	0,479895	0,513871	0,554425	0,128363	0,771133	0,006311	0,15253	0,006311	0,105442	0,1308709	0,0245884	0,008048
Skewness	0,982328	0,774785	0,5929	1,875697	2,838516	1,574418	1,79953	1,574418	2,043681	1,372326	2,965253	0,573328
Kurtosis	0,521661	0,08499	-0,23156	4,073412	9,94699	2,61604	5,661615	2,61604	7,135241	3,337651	12,91462	0,13825
Geometric mean	0,265064	0,324684	0,374133	0,116563	0,636334	0,005215	0,137373	0,005215	0,09380387	0,1157843	0,0212815	0,00549
Coefficient of variation	61,6772	52,41147	46,18551	31,71746	66,98413	42,02716	25,73489	42,02716	25,89676	22,88728	44,00115	42,83604

All ( selection 1)	Spc	S10z	S5p	S5v	Sda	Sdv	Svd	Svc	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>
	(pruning = 5.00%) <1/μm>	(pruning = 5.00%) <μm>	(pruning = 5.00%) <μm>	(pruning = 5.00%) <μm>	(pruning = 5.00%) <μm²>	(pruning = 5.00%) <μm³>	(pruning = 5.00%) <1/μm²>	(pruning = 5.00%) <1/μm>					
N	283	283	283	283	283	283	283	283	283	283	283	283	283
Min	0,15539	0,731678	0,145312	0,392684	45,17352	0,34327	0,000784	-14,3249	0,058212	0,030831	0,055735	6,695853	77,13542
Max	2,757836	16,31018	4,720543	11,58963	436,5873	46,55816	0,022583	-0,18926	1,102741	0,926886	1,828292	20,47309	90,37297
Sum	144,4914	695,052	198,8707	496,0746	46022,38	1153,57	1,886324	-243,777	79,58824	46,18395	94,3155	2864,287	23738,95
Mean	0,51057	2,456014	0,702723	1,752914	162,6233	4,076218	0,006665	-0,8614	0,281231	0,163194	0,33327	10,12115	83,88322
Standard error	0,018144	0,10831	0,028525	0,084957	3,884236	0,313547	0,000171	0,075736	0,006757	0,006859	0,011618	0,132457	0,144048
Variance	0,093169	3,319858	0,230273	2,042614	4269,703	27,82222	8,27E-06	1,623277	0,012922	0,013314	0,038199	4,965168	5,872218
Standard deviation	0,305235	1,822048	0,479868	1,4292	65,34296	5,274677	0,002875	1,274079	0,113675	0,115386	0,195445	2,228266	2,423266
Median	0,429049	1,906989	0,587788	1,304012	147,5338	2,282943	0,006504	-0,57743	0,263671	0,135539	0,286476	9,628982	83,88214
25 percentile	0,306458	1,47511	0,432317	0,973667	115,2261	1,405835	0,004477	-0,89128	0,204972	0,095958	0,214006	8,607222	82,25634
75 percentile	0,600694	2,655265	0,79717	1,900028	194,1171	4,325691	0,008203	-0,42008	0,341131	0,193114	0,385576	10,97625	85,70719
Skewness	2,605733	3,353554	4,033929	3,28762	1,28001	3,784488	0,885184	-7,90207	1,831027	3,32605	2,975927	1,776468	-0,191
Kurtosis	11,9016	15,91499	24,59227	14,76679	2,118021	19,7968	2,871865	75,67839	9,75502	16,22564	14,99474	4,435012	-0,25333
Geometric mean	0,447492	2,08985	0,612785	1,442138	151,2638	2,60458	0,006014	0	0,260457	0,138509	0,294478	9,914704	83,84818
Coefficient of variation	59,78322	74,18719	68,28689	81,53284	40,18058	129,4013	43,13714	-147,907	40,42056	70,70471	58,64468	22,01592	2,888857

<i>Bos taurus</i>	Spc	S10z	S5p	S5v	Sda	Sdv	Svd	Svc	Sk	Spk	Svk	Smr1	Smr2
N	44	44	44	44	44	44	44	44	44	44	44	44	44
Min	0,21246	0,799072	0,288916	0,462049	84,44417	0,440056	0,003072	-1,43229	0,157727	0,053574	0,10625	7,377863	80,1291
Max	0,694565	3,585545	1,08676	2,764795	251,0458	5,892485	0,011569	-0,21452	0,434552	0,273254	0,719606	13,04624	88,93855
Sum	18,14353	74,58903	22,6106	51,97843	6125,161	81,01626	0,324298	-24,0145	10,79409	4,882451	10,39587	411,1225	3749,024
Mean	0,412353	1,695205	0,513877	1,181328	139,2082	1,841279	0,00737	-0,54578	0,24532	0,110965	0,23627	9,343693	85,20508
Standard error	0,018303	0,103401	0,023809	0,085127	6,433175	0,195447	0,000342	0,038077	0,00778	0,007077	0,015565	0,212667	0,27237
Variance	0,014739	0,470439	0,024942	0,318853	1820,973	1,680779	5,14E-06	0,063792	0,002663	0,002204	0,010659	1,989991	3,264161
Standard deviation	0,121406	0,685885	0,15793	0,564671	42,67286	1,296449	0,002268	0,252572	0,051609	0,046941	0,103244	1,41067	1,806699
Median	0,402189	1,498048	0,479333	1,043	131,2493	1,460345	0,007435	-0,50832	0,238636	0,102834	0,213067	9,07922	85,38931
25 percentile	0,305922	1,211686	0,405922	0,800192	106,7056	0,899074	0,005458	-0,68695	0,215364	0,080628	0,182924	8,328552	84,28397
75 percentile	0,521514	1,885244	0,609135	1,228935	160,584	2,160265	0,009045	-0,35113	0,276666	0,124784	0,257076	9,749185	86,39868
Skewness	0,269876	1,405473	1,281937	1,493055	0,983914	1,694558	-0,023378	-1,24859	1,244051	1,539511	2,616024	1,106716	-0,86646
Kurtosis	-0,74595	1,551697	2,536108	1,647738	0,537773	2,532105	-0,667066	2,200051	3,077021	2,675664	10,4029	0,840295	1,336804
Geometric mean	0,394585	1,584025	0,493058	1,077396	133,4477	1,515332	0,006993	0	0,24049	0,103059	0,220343	9,247736	85,18613
Coefficient of variation	29,44221	40,4603	30,73295	47,79965	30,65398	70,41023	30,76563	-46,2768	21,03732	42,30302	43,69735	15,09757	2,120412

<b>Bison bison</b>	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax)/ epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (H36)	HAsfc81 (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
N	24	24	24	24	24	24	24	24	24	24	24	24
Min	0,702696	0,997703	0,133128	0,000344	0,176732	0,300526	0,41787	7994,136	25138,92	0,009098	0,1041523	0,006056
Max	7,547857	0,999888	2,130048	0,008108	1,055302	1,836823	2,263577	56508,77	75292,98	1,068825	1,026674	1,535552
Sum	56,17112	23,98819	14,97689	0,077244	11,42933	17,47736	23,819	889456,1	1374282	7,516776	9,200509	6,224912
Mean	2,340463	0,9995078	0,624037	0,0032185	0,476222	0,728223	0,992458	37060,67	57261,74	0,313199	0,3833546	0,259371
Standard error	0,326041	9,85E-05	0,10994	0,0003908	0,046062	0,077321	0,103568	2342,268	2429,339	0,052307	0,05498699	0,066365
Variance	2,551265	2,33E-07	0,290083	3,67E-06	0,050922	0,143483	0,257432	1,32E+08	1,42E+08	0,065665	0,07256565	0,105705
Standard deviation	1,597268	0,0004825	0,538593	0,0019144	0,225658	0,378792	0,507378	11474,72	11901,28	0,256253	0,2693801	0,325123
Median	1,935557	0,9996965	0,470108	0,0027725	0,406814	0,583865	0,839641	37128,21	58499,94	0,251054	0,2646723	0,145791
25 percentile	1,238458	0,999338	0,230894	0,0020108	0,317498	0,522941	0,60501	31561,69	52388,63	0,126894	0,1643263	0,085364
75 percentile	2,774833	0,9998463	0,67396	0,004677	0,536681	0,828494	1,218609	43134,92	64552,11	0,506178	0,5791082	0,406223
Skewness	1,822493	-2,50201	1,618883	0,7581458	1,18822	1,713444	1,278526	-0,463217	-0,819552	1,275045	1,012226	2,892344
Kurtosis	3,89657	7,983638	2,213289	0,3700916	0,79205	2,746748	1,064619	0,7911371	1,282677	1,815873	0,06491815	10,27571
Geometric mean	1,948567	0,9995077	0,450516	0,0026041	0,432486	0,656579	0,88923	34731,28	55825,54	0,199519	0,3040331	0,13496
Coefficient of variation	68,2458	0,0482786	86,30787	59,48186	47,38504	52,0159	51,12331	30,96199	20,784	81,81782	70,26919	125,3504

<b>Rupicapra rupicapra</b>	Asfc	R <sup>2</sup>	Smfc	epLsar	H9	H36	H81	Tfv2	Tfv02	Disp-Asfc	Disp-epLsar	Disp-Tfv2
N	21	21	21	21	21	21	21	21	21	21	21	21
Min	0,650873	0,988251	0,133128	0,000514	0,151978	0,31124	0,446626	8846,843	28965,84	0	0	0
Max	4,55068	0,999905	0,83205	0,007281	1,035709	1,535959	3,028769	52855,03	72099,88	0,762618	1,245566	1,477977
Sum	37,62088	20,97769	8,495228	0,089508	8,128686	12,59313	18,79955	769560,3	1176981	4,70962	5,852705	6,63558
Mean	1,791471	0,9989377	0,404535	0,0042623	0,38708	0,599673	0,895217	36645,73	56046,71	0,224268	0,2787003	0,31598
Standard error	0,2121817	0,0005391	0,03964	0,0003894	0,049026	0,066986	0,126048	2840,891	2671,825	0,045405	0,07485049	0,101083
Variance	0,9454424	6,10E-06	0,032999	3,18E-06	0,050474	0,094231	0,333651	1,69E+08	1,50E+08	0,043293	0,1176545	0,214571
Standard deviation	0,9723386	0,0024704	0,181655	0,0017844	0,224664	0,30697	0,577626	13018,6	12243,84	0,20807	0,3430081	0,463219
Median	1,58908	0,999539	0,299538	0,004261	0,307439	0,519022	0,716108	38788,53	58660,2	0,131125	0,1482955	0,156633
25 percentile	1,197293	0,999278	0,299538	0,003753	0,244603	0,397419	0,548087	33235,23	48900,48	0,062173	0,044275	0,024101
75 percentile	2,085331	0,999689	0,532512	0,0054065	0,45495	0,711887	0,953533	46432,07	65409,3	0,352064	0,3899821	0,30132
Skewness	1,522703	-4,453607	0,757284	-0,462168	1,793588	1,881007	2,782096	-1,160659	-0,8440722	1,084278	1,825074	1,975601
Kurtosis	2,243854	20,15378	-0,110367	0,2424239	3,089078	3,772149	9,342968	0,7074833	0,1043359	0,644271	2,986845	2,586946
Geometric mean	1,589685	0,9989348	0,3674	0,003679	0,341554	0,544454	0,788103	33032,54	54534,75	0	0	0
Coefficient of variation	54,276	0,2472994	44,90476	41,8648	58,04061	51,18956	64,52357	35,52556	21,84578	92,77773	123,0742	146,5974

<b>Bison bison</b>	Sq <μ>	Ssk <no unit>	Sku <no unit>	Sp<μ>	Sv<μ>	Sz<μ>	Sa<μ>	Smr (c = 1.00 μm below highest peak) <μ>	Smc (p = 10.0%) <μ>	Sxp (p = 50.0%, q = 97.5%) <μ>	Sal (s = 0.300) <μ>	Sal #1 (s = 0.400) <μ>	Sal #2 (s = 0.500) <μ>
N	24	24	24	24	24	24	24	24	24	24	24	24	24
Min	0,112943	-5,01742	4,443187	0,313392	0,859064	1,21954	0,066575	0,02606643	0,091483	0,307059	2,865441	2,416047	2,017631
Max	0,352836	-0,41788	74,76268	2,616223	5,779273	8,311452	0,239751	99,87132	0,331634	0,945424	4,543393	3,826057	3,204505
Sum	4,746831	-56,1685	502,3516	22,90101	63,66139	86,5624	3,166762	1667,831	4,335357	12,23173	86,48841	73,36324	61,66024
Mean	0,197785	-2,34035	20,93132	0,954209	2,652558	3,606766	0,131948	69,49294	0,18064	0,509656	3,603684	3,056802	2,569177
Standard error	0,013297	0,269336	4,163379	0,121896	0,272828	0,370627	0,008548	7,631883	0,012085	0,036184	0,087139	0,072074	0,060183
Variance	0,004244	1,741003	416,0093	0,356606	1,786446	3,296746	0,001754	1397,895	0,003505	0,031424	0,182236	0,124672	0,086927
Standard deviation	0,065144	1,319471	20,39631	0,597165	1,33658	1,815694	0,041879	37,38844	0,059204	0,177267	0,426891	0,353089	0,294834
Median	0,192917	-2,075	13,61839	0,79613	2,467502	3,223915	0,131343	88,76449	0,172493	0,508673	3,651701	3,080317	2,570257
25 percentile	0,148201	-2,59916	7,436088	0,590043	1,542087	2,380885	0,09828	46,69542	0,14382	0,375749	3,31045	2,810222	2,351855
75 percentile	0,22675	-1,42081	23,50649	1,027047	3,605687	4,871642	0,157546	97,73769	0,225983	0,600128	3,816364	3,278462	2,673026
Skewness	0,901843	-1,02177	1,894047	1,823139	0,732181	1,21932	0,549431	-1,100565	0,557941	1,071986	0,267478	0,237271	0,217718
Kurtosis	0,540063	0,124237	2,590869	3,117433	-0,11866	1,327758	0,345406	-0,408491	0,22857	1,044796	0,1201	0,296468	0,472801
Geometric mean	0,188294	0	14,97907	0,823483	2,339082	3,223807	0,12563	30,95768	0,171435	0,483256	3,57955	3,037284	2,55295
Coefficient of variation	32,93673	-56,3791	97,44397	62,58225	50,38834	50,34133	31,73862	53,80178	32,77435	34,78173	11,84597	11,55092	11,47581

<b>Rupicapra rupicapra</b>	Sq	Ssk	Sku	Sp	Sv	Sz	Sa	Smr	Smc	Sxp	Sal	Sal #1	Sal #2
N	21	21	21	21	21	21	21	21	21	21	21	21	21
Min	0,056061	-10,3991	5,070667	0,300542	0,851369	1,217031	0,038335	0,142544	0,056501	0,120791	1,472042	1,262021	1,087816
Max	0,390517	-1,00855	198,9697	3,072155	11,82709	14,89925	0,141905	99,99696	0,203079	0,637862	4,177762	3,548788	2,979855
Sum	3,15354	-60,0368	668,0683	13,59988	50,16329	63,76317	1,974077	1873,945	2,726699	7,24128	60,61243	51,14212	42,81648
Mean	0,150169	-2,85889	31,81278	0,647613	2,388728	3,036341	0,094004	89,23547	0,129843	0,344823	2,886306	2,435339	2,03888
Standard error	0,015522	0,520037	9,906104	0,130135	0,489147	0,613727	0,006901	6,224384	0,009086	0,028371	0,160531	0,139563	0,117833
Variance	0,00506	5,679214	2060,749	0,355636	5,024562	7,909887	0,001	813,6021	0,001733	0,016903	0,541174	0,409033	0,291575
Standard deviation	0,071132	2,38311	45,39547	0,596352	2,241553	2,812452	0,031626	28,52371	0,041635	0,130013	0,735645	0,639557	0,539977
Median	0,13823	-2,51129	18,4819	0,479201	1,804419	2,294346	0,087856	99,11587	0,121313	0,351921	3,009255	2,547734	2,109115
25 percentile	0,107599	-2,99645	7,941071	0,364726	1,603197	2,095065	0,07299	95,10227	0,103324	0,251718	2,197438	1,841165	1,546587
75 percentile	0,17606	-1,28278	30,32567	0,635365	2,452125	2,902893	0,124354	99,91459	0,169824	0,439495	3,513449	3,012678	2,558112
Skewness	1,990475	-2,38375	2,973776	3,703865	4,077972	4,108082	0,207084	-2,947979	0,175068	0,274634	-0,15339	-0,08761	-0,0036
Kurtosis	5,971441	5,658746	9,538742	15,0336	17,76089	17,90409	-0,94165	7,503096	-0,86941	-0,04121	-1,01847	-1,11195	-1,16276
Geometric mean	0,137329	0	18,21076	0,536808	1,994274	2,557989	0,08866	63,62346	0,123143	0,319291	2,790025	2,349989	1,967317
Coefficient of variation	47,36811	-83,3578	142,6957	92,08461	93,83879	92,62635	33,64319	31,96454	32,06585	37,70432	25,48743	26,26152	26,48398

<b>Bison bison</b>	Str (s = 0.300) <no unit>	Str #1 (s = 0.400) <no unit>	Str #2 (s = 0.500) <no unit>	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vv (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vmp (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vmc (p = 10.0%, q = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vvc (p = 10.0%, q = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vvv (p = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Spd (pruning = 5.00%) <1/μm <sup>2</sup> >
N	24	24	24	24	24	24	24	24	24	24	24	24
Min	0,152463	0,231936	0,265103	0,089989	0,388912	0,00317	0,094652	0,00317	0,05729377	0,07218123	0,0198684	0,000784
Max	0,924049	0,919366	0,912698	0,349355	3,443019	0,020825	0,350412	0,020825	0,2458065	0,2851625	0,0720608	0,010981
Sum	14,17365	15,33257	16,16265	4,072505	28,13029	0,198291	4,533647	0,198291	3,117153	3,656334	0,8773131	0,076997
Mean	0,590569	0,638857	0,673444	0,169688	1,172095	0,008262	0,188902	0,008262	0,1298814	0,1523473	0,0365547	0,003208
Standard error	0,044856	0,037943	0,032613	0,014087	0,156169	0,000931	0,01286	0,000931	0,008892701	0,01095034	0,0028068	0,000493
Variance	0,048289	0,034553	0,025526	0,004763	0,58533	2,08E-05	0,003969	2,08E-05	0,001897923	0,00287784	0,0001891	5,83E-06
Standard deviation	0,219747	0,185884	0,159768	0,069013	0,765069	0,00456	0,063002	0,00456	0,04356516	0,05364548	0,0137506	0,002415
Median	0,655807	0,685908	0,691302	0,15428	0,944628	0,007337	0,178964	0,007337	0,1320982	0,1433011	0,0339202	0,002484
25 percentile	0,452143	0,511063	0,557262	0,120524	0,613038	0,005356	0,148205	0,005356	0,1061566	0,1191912	0,0259271	0,001299
75 percentile	0,783945	0,805024	0,814989	0,181882	1,263252	0,009432	0,235095	0,009432	0,1566842	0,1906694	0,0442792	0,004151
Skewness	-0,60552	-0,66692	-0,59927	1,276591	1,510002	1,541126	0,613326	1,541126	0,4701299	0,6022221	1,012607	1,673679
Kurtosis	-0,53257	-0,02755	0,117687	1,243999	2,158514	2,091943	0,258555	2,091943	0,8191952	0,1209253	0,8400552	3,470721
Geometric mean	0,536449	0,605538	0,651707	0,158276	0,982732	0,007312	0,179046	0,007312	0,1226041	0,1434272	0,0343202	0,002519
Coefficient of variation	37,20946	29,09639	23,72407	40,67085	65,27359	55,19243	33,35147	55,19243	33,54227	35,21263	37,61656	75,27519

<b>Rupicapra rupicapra</b>	Str	Str #1	Str #2	Sdq	Sdr	Vm	Vv	Vmp	Vmc	Vvc	Vvv	Spd
N	21	21	21	21	21	21	21	21	21	21	21	21
Min	0,143609	0,204263	0,250404	0,075853	0,2488	0,001916	0,058418	0,001916	0,04076021	0,05001278	0,0084051	0,000163
Max	0,786106	0,814091	0,826683	0,499898	2,914644	0,017206	0,209624	0,017206	0,1537523	0,1782377	0,0486701	0,008072
Sum	7,62227	8,612233	9,508549	3,011834	17,45579	0,124322	2,851021	0,124322	1,931797	2,310868	0,5401531	0,060493
Mean	0,362965	0,410106	0,452788	0,143421	0,831228	0,00592	0,135763	0,00592	0,09199032	0,1100413	0,0257216	0,002881
Standard error	0,035473	0,03377	0,031653	0,019496	0,131317	0,000757	0,009552	0,000757	0,007245448	0,00791196	0,002152	0,00045
Variance	0,026425	0,023948	0,021041	0,007982	0,362126	1,20E-05	0,001916	1,20E-05	0,001102427	0,00131458	9,73E-05	4,25E-06
Standard deviation	0,162557	0,154753	0,145054	0,089343	0,601769	0,003468	0,043771	0,003468	0,03320282	0,03625714	0,0098618	0,00206
Median	0,313674	0,371074	0,430457	0,122865	0,709755	0,004801	0,127405	0,004801	0,08773113	0,1043649	0,0260336	0,002745
25 percentile	0,251569	0,304689	0,342271	0,105445	0,530955	0,003867	0,107929	0,003867	0,0669335	0,08489727	0,0191174	0,001471
75 percentile	0,434612	0,500739	0,534671	0,142453	0,895415	0,007103	0,180616	0,007103	0,1192703	0,1419204	0,030961	0,004053
Skewness	1,487034	1,334094	1,14086	3,474621	2,402768	2,045051	0,171463	2,045051	0,3994356	0,2974616	0,4465914	1,188909
Kurtosis	2,223983	1,852164	1,615833	13,7389	6,87619	5,183797	-0,95797	5,183797	-0,6191394	-0,7758313	0,4289811	1,531969
Geometric mean	0,334343	0,386298	0,432866	0,129363	0,693874	0,0052	0,128686	0,0052	0,08617272	0,1041894	0,0237835	0,002102
Coefficient of variation	44,78595	37,73479	32,0358	62,29404	72,39513	58,58708	32,24068	58,58708	36,09382	32,94865	38,34071	71,52644

<b>Bison bison</b>	Spc (pruning = 5.00%) <1/μm>	S10z (pruning = 5.00%) <μm>	S5p (pruning = 5.00%) <μm>	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm <sup>2</sup> >	Sdv (pruning = 5.00%) <μm <sup>3</sup> >	Svd (pruning = 5.00%) <1/μm <sup>2</sup> >	Svc (pruning = 5.00%) <1/μm>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>
N	24	24	24	24	24	24	24	24	24	24	24	24	24
Min	0,26406	1,149187	0,285213	0,728259	95,16408	1,209161	0,001634	-5,46556	0,152595	0,063277	0,197393	7,478174	78,04988
Max	1,348798	6,244719	1,836643	4,408077	407,5873	21,37049	0,010556	-0,2683	0,477007	0,40978	0,724173	14,29903	87,80605
Sum	16,91763	63,65763	17,62737	46,03026	4677,915	138,6108	0,132719	-21,8894	7,218186	3,938001	8,935725	230,06	1983,602
Mean	0,704901	2,652401	0,734474	1,917927	194,9131	5,775452	0,00553	-0,91206	0,300758	0,164083	0,372322	9,585832	82,65006
Standard error	0,061688	0,259269	0,07774	0,190002	15,88955	0,911415	0,000437	0,225706	0,019896	0,018384	0,027649	0,379395	0,54089
Variance	0,091331	1,613284	0,145044	0,866422	6059,465	19,93627	4,59E-06	1,222636	0,0095	0,008111	0,018347	3,454576	7,021493
Standard deviation	0,30221	1,270151	0,380847	0,930818	77,84257	4,465005	0,002142	1,105729	0,097469	0,090061	0,135452	1,858649	2,64981
Median	0,686554	2,401296	0,613528	1,784385	173,5736	4,645324	0,005458	-0,51372	0,289736	0,145959	0,341175	9,129041	83,11711
25 percentile	0,492568	1,800492	0,528871	1,17406	139,3375	2,912768	0,004102	-0,95913	0,228515	0,105491	0,268247	8,18973	80,26727
75 percentile	0,902899	2,8995	0,767349	2,232306	222,6458	7,59011	0,006847	-0,41444	0,364599	0,191385	0,448472	10,60499	85,10864
Skewness	0,471409	1,554148	1,638437	1,341649	1,251436	2,157058	0,236073	-3,41735	0,351723	1,520758	0,9972	1,032448	-0,00157
Kurtosis	-0,33591	2,4107	2,24838	1,941649	1,201869	5,908779	0,048384	13,09525	-0,69463	2,059416	0,92869	0,388584	-0,8999
Geometric mean	0,640309	2,417238	0,662043	1,732141	182,2405	4,574736	0,005079	0	0,285382	0,145255	0,350832	9,428052	82,60932
Coefficient of variation	42,87269	47,88684	51,85298	48,53249	39,93706	77,31006	38,73795	-121,234	32,40776	54,88736	36,38032	19,38954	3,206059

<b>Rupicapra rupicapra</b>	Spc	S10z	S5p	S5v	Sda	Sdv	Svd	Svc	Sk	Spk	Svk	Smr1	Smr2
N	21	21	21	21	21	21	21	21	21	21	21	21	21
Min	0,15539	0,94708	0,270727	0,655065	79,80318	0,652229	0,001405	-13,2497	0,110738	0,037628	0,0889	7,094022	80,6722
Max	1,868199	11,68919	1,143767	10,65714	436,5873	13,53875	0,012811	-0,35784	0,376457	0,351527	0,593895	14,09668	88,10654
Sum	8,817163	51,08519	10,18795	40,89724	3270,519	60,98033	0,143406	-29,0524	4,762452	2,463369	5,75645	196,4161	1765,605
Mean	0,419865	2,432628	0,485141	1,947487	155,739	2,903825	0,006829	-1,38345	0,226783	0,117303	0,274117	9,353148	84,07641
Standard error	0,082642	0,485805	0,050838	0,451417	18,2453	0,621111	0,000682	0,600602	0,017198	0,015276	0,025789	0,343475	0,442715
Variance	0,143422	4,956135	0,054274	4,279328	6990,712	8,10135	9,76E-06	7,575165	0,006211	0,0049	0,013967	2,477482	4,11592
Standard deviation	0,378711	2,226238	0,232967	2,068654	83,61048	2,846287	0,003124	2,752302	0,07881	0,070002	0,118182	1,574002	2,028773
Median	0,286687	1,813529	0,404922	1,369337	127,3297	1,995261	0,007125	-0,63832	0,221166	0,097212	0,272471	8,904664	83,69176
25 percentile	0,23974	1,645397	0,338435	1,229031	108,2236	1,460828	0,004249	-0,96482	0,157622	0,076026	0,199397	8,444276	82,39363
75 percentile	0,427688	2,253528	0,563304	1,721908	181,0551	3,333648	0,008759	-0,51149	0,296971	0,139087	0,322951	10,53094	85,82249
Skewness	3,144519	3,943676	1,80828	4,093198	2,214612	2,939484	0,144213	-4,40821	0,395316	2,16631	0,999643	1,313408	0,339547
Kurtosis	11,1817	16,72581	3,102184	17,74893	5,726863	9,987078	-0,513812	19,83758	-0,79763	5,915734	1,806596	2,836482	-0,55966
Geometric mean	0,340292	2,042312	0,445553	1,569532	141,0054	2,200561	0,005994	0	0,213691	0,102801	0,250442	9,238139	84,0532
Coefficient of variation	90,19839	91,51576	48,02061	106,2217	53,68628	98,01855	45,74276	-198,945	34,7513	59,67605	43,11359	16,82858	2,413011

<b>Ovis ammon</b>	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax)/ epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (H36)	HAsfc81 (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
N	22	22	22	22	22	22	22	22	22	22	22	22
Min	0,71529	0,998606	0,208012	0,000649	0,151598	0,350916	0,42688	1065,885	23522,38	0,039612	0,00208063	0,003529
Max	3,771826	0,999959	1,198152	0,009935	0,504552	0,827683	1,354961	62871,87	84869,14	0,522821	1,045197	3,47372
Sum	44,3958	21,99152	8,520186	0,082726	7,238041	10,61442	14,98438	756006,6	1192374	5,482297	8,713316	9,728424
Mean	2,017991	0,9996143	0,387281	0,0037603	0,329002	0,482474	0,681108	34363,94	54198,81	0,249195	0,3960598	0,442201
Standard error	0,1866928	6,32E-05	0,0465	0,0005452	0,022099	0,025664	0,044676	3142,335	3194,802	0,032313	0,0722024	0,163807
Variance	0,7667921	8,78E-08	0,04757	6,54E-06	0,010744	0,014491	0,043911	2,17E+08	2,25E+08	0,02297	0,1146901	0,590321
Standard deviation	0,8756667	0,0002963	0,218105	0,0025573	0,103651	0,120377	0,209549	14738,86	14984,95	0,151559	0,3386593	0,768323
Median	1,895585	0,9996665	0,299538	0,002845	0,330832	0,450354	0,614219	34413,21	53344,67	0,244214	0,4051138	0,233151
25 percentile	1,272819	0,9994773	0,276657	0,002055	0,261919	0,40358	0,527221	26622,03	46189,98	0,129857	0,02196527	0,056993
75 percentile	2,77916	0,9997975	0,407704	0,0052703	0,394622	0,518348	0,803119	43928,88	66514,62	0,368014	0,6777597	0,438491
Skewness	0,3002118	-1,994964	2,672576	1,048484	0,120349	1,515241	1,706285	-0,353871	-0,0430771	0,222836	0,3173803	3,345606
Kurtosis	-0,893676	5,53661	9,003183	0,4087559	-0,66702	2,350844	3,948605	0,5442343	0,1212918	-0,97218	-1,129939	12,30037
Geometric mean	1,825598	0,9996143	0,349194	0,0029858	0,312371	0,470227	0,655681	28219,93	51995,13	0,192389	0,141606	0,141953
Coefficient of variation	43,393	0,0296437	56,31686	68,00741	31,50475	24,94999	30,76593	42,89048	27,64811	60,81943	85,5071	173,7497

<b>Cervus elaphus</b>	Asfc	R <sup>2</sup>	Smfc	epLsar	H9	H36	H81	Tfv2	Tfv02	Disp-Asfc	Disp-epLsar	Disp-Tfv2
N	21	21	21	21	21	21	21	21	21	21	21	21
Min	0,491822	0,984797	0,133128	0,001104	0,224864	0,357675	0,437125	13323,56	35300,06	0	0	0
Max	2,707472	0,999904	30,96058	0,009889	2,541579	2,313529	3,026627	53617,18	73608,68	0,516576	1,169989	1,090126
Sum	28,64164	20,96979	74,08572	0,125884	11,59264	14,75548	18,79836	774710,9	1183155	3,780465	7,172487	4,969205
Mean	1,363887	0,9985615	3,527891	0,0059945	0,55203	0,702642	0,89516	36891	56340,71	0,180022	0,341547	0,236629
Standard error	0,1252676	0,0007519	1,811534	0,0005734	0,105621	0,09359	0,121177	2193,003	2228,819	0,03138	0,06715897	0,052551
Variance	0,3295315	1,19E-05	68,91478	6,91E-06	0,234273	0,183942	0,308363	1,01E+08	1,04E+08	0,020679	0,09471687	0,057993
Standard deviation	0,5740484	0,0034455	8,301493	0,0026278	0,484018	0,428884	0,555305	10049,6	10213,73	0,143803	0,3077611	0,240818
Median	1,211729	0,999642	0,532512	0,005779	0,396603	0,564384	0,718899	39634,88	58550,79	0,154191	0,3119824	0,178143
25 percentile	0,9191465	0,99921	0,407704	0,0037845	0,345993	0,476146	0,60104	28356,81	47364,79	0,087669	0,04906128	0,068224
75 percentile	1,652295	0,999759	0,919415	0,0083025	0,589513	0,80586	0,929187	42720,68	64450,2	0,242247	0,5112135	0,334948
Skewness	0,9810046	-3,685064	2,928064	-0,372788	3,781327	2,952709	3,126346	-0,410894	-0,2639777	1,066517	1,057693	2,330081
Kurtosis	0,5460693	14,06563	7,685918	-0,958634	15,83555	10,25606	11,33869	-0,043025	-0,6784282	0,636479	1,170126	7,449335
Geometric mean	1,258538	0,9985558	0,863943	0,0052427	0,462602	0,629365	0,803101	35331,81	55406,03	0	0	0
Coefficient of variation	42,08913	0,3450499	235,3103	43,83729	87,67959	61,03878	62,03412	27,24135	18,12851	79,8807	90,10796	101,7703

<i>Ovis ammon</i>	Sq <μ>	Ssk <no unit>	Sku <no unit>	Sp<μ>	Sv<μ>	Sz<μ>	Sa<μ>	Smr (c = 1.00 μm below highest peak) <μ>	Smc (p = 10.0%) <μ>	Sxp (p = 50.0%, q = 97.5%) <μ>	Sal (s = 0.300) <μ>	Sal #1 (s = 0.400) <μ>	Sal #2 (s = 0.500) <μ>
N	22	22	22	22	22	22	22	22	22	22	22	22	22
Min	0,079307	-3,58394	4,266153	0,274451	0,95393	1,228381	0,053995	33,06278	0,078025	0,195215	1,570861	1,318967	1,127644
Max	0,274219	-0,55595	29,41696	1,111377	2,931581	4,042958	0,19005	99,96355	0,256175	0,777305	5,003733	4,215068	3,38217
Sum	3,231497	-44,8989	304,0155	12,00651	37,97235	49,97886	2,211118	2035,69	3,068447	8,564978	66,10678	55,27074	45,71028
Mean	0,146886	-2,04086	13,81888	0,545751	1,726016	2,271767	0,100505	92,53138	0,139475	0,389317	3,004853	2,512306	2,07774
Standard error	0,011791	0,169631	1,398555	0,054077	0,111247	0,148718	0,008242	3,241483	0,011325	0,034125	0,178545	0,153505	0,126019
Variance	0,003059	0,633046	43,03105	0,064334	0,272271	0,486578	0,001495	231,1587	0,002822	0,025619	0,701325	0,518401	0,349375
Standard deviation	0,055306	0,795642	6,559805	0,253641	0,521796	0,697551	0,03866	15,2039	0,053121	0,160059	0,837451	0,720001	0,591079
Median	0,12151	-2,20306	13,5688	0,439392	1,649219	2,08545	0,089476	99,66718	0,123222	0,341156	3,011566	2,443499	1,958891
25 percentile	0,107263	-2,46794	7,8422	0,329249	1,38467	1,765489	0,07167	90,31533	0,094722	0,278111	2,323998	1,931931	1,598348
75 percentile	0,177333	-1,35092	19,54134	0,797324	2,06609	2,893217	0,112735	99,90141	0,15371	0,481599	3,410514	2,848217	2,346809
Skewness	0,95802	0,275698	0,494854	0,71902	0,591625	0,641853	1,134995	-3,178636	1,120317	1,166119	0,540458	0,655634	0,662827
Kurtosis	-0,00019	-0,39061	-0,13629	-0,78079	-0,0477	0,330884	0,467139	11,5498	0,465036	0,75445	0,321965	0,287926	-0,01847
Geometric mean	0,138065	0	12,24712	0,49436	1,652846	2,172677	0,094398	90,59506	0,131133	0,362374	2,894405	2,416846	2,000712
Coefficient of variation	37,65221	-38,9857	47,46986	46,47568	30,23125	30,70523	38,46572	16,43108	38,08634	41,11282	27,86995	28,65895	28,44819

<i>Cervus elaphus</i>	Sq	Ssk	Sku	Sp	Sv	Sz	Sa	Smr	Smc	Sxp	Sal	Sal #1	Sal #2
N	21	21	21	21	21	21	21	21	21	21	21	21	21
Min	0,093065	-2,96252	3,652215	0,402061	0,807033	1,209094	0,055296	8,149425	0,076414	0,20615	2,692199	2,306636	1,962835
Max	0,267022	-0,51672	24,58125	1,19744	3,508567	4,419681	0,161969	99,89001	0,226194	0,789739	5,183518	4,379173	3,656857
Sum	3,505439	-34,829	227,107	13,55921	33,45581	47,01502	2,426034	1910,298	3,415671	9,215004	74,49748	64,00525	54,29921
Mean	0,166926	-1,65852	10,81462	0,645677	1,593134	2,23881	0,115525	90,96659	0,162651	0,43881	3,547499	3,047869	2,585677
Standard error	0,008797	0,153744	1,284003	0,043452	0,131977	0,161752	0,006007	4,341376	0,009096	0,026506	0,130472	0,109551	0,091442
Variance	0,001625	0,496379	34,62192	0,03965	0,365778	0,549437	0,000758	395,7985	0,001738	0,014753	0,35748	0,252032	0,175593
Standard deviation	0,040311	0,704542	5,884039	0,199124	0,604796	0,74124	0,027528	19,89468	0,041684	0,121464	0,597896	0,502028	0,419038
Median	0,163316	-1,49295	7,970336	0,632831	1,474395	2,155219	0,114516	97,89642	0,156437	0,439321	3,366839	2,936193	2,516052
25 percentile	0,140747	-2,30966	5,665033	0,486691	1,171392	1,683354	0,10377	91,97577	0,138329	0,36014	3,166165	2,713134	2,314642
75 percentile	0,191834	-1,14799	15,69095	0,708986	1,908814	2,636571	0,133881	99,10345	0,202425	0,484618	3,690215	3,180794	2,712265
Skewness	0,394144	-0,33487	0,747929	1,175277	1,589162	1,479751	-0,21486	-3,961584	-0,1502	0,982093	1,22394	1,103468	0,946637
Kurtosis	0,672843	-0,93902	-0,34918	1,576133	4,003137	2,810553	0,028659	16,8069	-0,54483	2,64173	1,940856	1,522361	1,127919
Geometric mean	0,162232	0	9,379248	0,619734	1,500676	2,139414	0,112054	84,43495	0,157062	0,423415	3,503548	3,011393	2,555275
Coefficient of variation	24,14915	-42,4801	54,40819	30,83961	37,96264	33,10867	23,82864	21,87032	25,62808	27,68026	16,85401	16,47144	16,20611

<b>Ovis ammon</b>	Str (s = 0.300) <no unit>	Str #1 (s = 0.400) <no unit>	Str #2 (s = 0.500) <no unit>	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vv (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vmp (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vmc (p = 10.0%, q = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vvc (p = 10.0%, q = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vvv (p = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Spd (pruning = 5.00%) <1/μm <sup>2</sup> >
N	22	22	22	22	22	22	22	22	22	22	22	22
Min	0,062536	0,081168	0,102357	0,079122	0,296967	0,002554	0,08109	0,002554	0,05437599	0,06713001	0,01396	0,000359
Max	0,897226	0,897892	0,897899	0,203867	1,826912	0,012339	0,265087	0,012339	0,1980444	0,2300366	0,0542905	0,013073
Sum	10,64447	11,18502	11,73925	2,971413	19,44146	0,123797	3,192247	0,123797	2,204546	2,594756	0,5974915	0,102424
Mean	0,483839	0,50841	0,533602	0,135064	0,883703	0,005627	0,145102	0,005627	0,1002066	0,1179434	0,0271587	0,004656
Standard error	0,051195	0,05003	0,04727	0,007368	0,090729	0,000572	0,011801	0,000572	0,008683622	0,00983181	0,0024116	0,000583
Variance	0,057661	0,055066	0,049158	0,001194	0,181097	7,20E-06	0,003064	7,20E-06	0,001658917	0,00212662	0,000128	7,48E-06
Standard deviation	0,240127	0,234662	0,221716	0,034559	0,425554	0,002684	0,055352	0,002684	0,0407298	0,04611528	0,0113116	0,002736
Median	0,475911	0,479086	0,506039	0,13248	0,820497	0,005307	0,128792	0,005307	0,09218709	0,107751	0,0244074	0,004036
25 percentile	0,278969	0,31118	0,360794	0,106894	0,545189	0,003027	0,098075	0,003027	0,06801701	0,07764565	0,0185499	0,003088
75 percentile	0,680408	0,702337	0,714061	0,16185	1,204691	0,0076	0,162894	0,0076	0,1137339	0,1320867	0,0334777	0,005866
Skewness	-0,07519	-0,10938	-0,17949	0,20172	0,574744	0,839226	1,073114	0,839226	1,280107	1,10715	1,098391	1,587636
Kurtosis	-0,92733	-0,87423	-0,68841	-0,89668	-0,54283	0,237879	0,317749	0,237879	0,9678228	0,5997205	0,6997553	3,619335
Geometric mean	0,406334	0,439535	0,475678	0,130777	0,786164	0,005056	0,136326	0,005056	0,09360245	0,110462	0,025193	0,003885
Coefficient of variation	49,6294	46,15603	41,55075	25,58714	48,15582	47,69638	38,14725	47,69638	40,64581	39,09949	41,64993	58,75997

<b>Cervus elaphus</b>	Str	Str #1	Str #2	Sdq	Sdr	Vm	Vv	Vmp	Vmc	Vvc	Vvv	Spd
N	21	21	21	21	21	21	21	21	21	21	21	21
Min	0,06789	0,087837	0,125276	0,071212	0,239873	0,004166	0,080825	0,004166	0,05099616	0,06504483	0,0157804	0,001634
Max	0,753247	0,794135	0,823691	0,185381	1,43854	0,012515	0,235402	0,012515	0,1671157	0,1980192	0,0563819	0,006961
Sum	6,313844	7,434641	8,343392	2,491726	14,43595	0,147123	3,562792	0,147123	2,432062	2,923934	0,6388584	0,082717
Mean	0,300659	0,354031	0,397304	0,118654	0,687426	0,007006	0,169657	0,007006	0,1158125	0,1392349	0,0304218	0,003939
Standard error	0,041724	0,044103	0,043896	0,00624	0,067185	0,00051	0,009437	0,00051	0,006698276	0,00829373	0,001924	0,000359
Variance	0,036558	0,040847	0,040463	0,000818	0,094791	5,45E-06	0,00187	5,45E-06	0,000942205	0,00144451	7,77E-05	2,71E-06
Standard deviation	0,191202	0,202106	0,201155	0,028594	0,307881	0,002335	0,043245	0,002335	0,03069536	0,03800665	0,0088168	0,001647
Median	0,28215	0,354375	0,396804	0,111182	0,590226	0,006657	0,163094	0,006657	0,1178877	0,1330435	0,0296381	0,003856
25 percentile	0,129257	0,170039	0,232219	0,096542	0,446583	0,005157	0,144105	0,005157	0,09419802	0,1122675	0,024299	0,002533
75 percentile	0,419568	0,515604	0,570049	0,141092	0,898085	0,008637	0,210041	0,008637	0,1394146	0,1733783	0,0363067	0,005017
Skewness	0,826437	0,549325	0,463249	0,719055	1,015736	0,877408	-0,14763	0,877408	-0,1764356	-0,0755537	1,149684	0,411566
Kurtosis	0,070375	-0,44665	-0,55189	0,261345	0,821895	0,101609	-0,57403	0,101609	-0,2366251	-0,8200354	2,537735	-0,88873
Geometric mean	0,243674	0,29598	0,346121	0,115531	0,627382	0,006668	0,163904	0,006668	0,1114758	0,1338723	0,0293057	0,003606
Coefficient of variation	63,59416	57,08729	50,62997	24,09857	44,78746	33,32965	25,48954	33,32965	26,50436	27,29678	28,9819	41,81583

<i>Ovis ammon</i>	Spc (pruning = 5.00%) <1/μm>	S10z (pruning = 5.00%) <μm>	S5p (pruning = 5.00%) <μm>	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm <sup>2</sup> >	Sdv (pruning = 5.00%) <μm <sup>3</sup> >	Svd (pruning = 5.00%) <1/μm <sup>2</sup> >	Svc (pruning = 5.00%) <1/μm>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>
N	22	22	22	22	22	22	22	22	22	22	22	22	22
Min	0,160581	1,145347	0,249096	0,859003	45,17352	0,543208	0,006308	-1,06038	0,136999	0,049809	0,145423	7,277961	80,83966
Max	0,605547	3,163409	0,779283	2,384127	156,4494	4,447376	0,022583	-0,30901	0,493041	0,243089	0,546228	12,91757	86,28702
Sum	7,440054	40,98334	10,12916	30,85418	2375,647	41,98704	0,221025	-14,4635	5,325213	2,453361	6,150484	200,0604	1834,377
Mean	0,338184	1,862879	0,460417	1,402463	107,9839	1,908502	0,010047	-0,65743	0,242055	0,111516	0,279568	9,093654	83,38076
Standard error	0,025148	0,116685	0,039314	0,087153	6,675628	0,225085	0,000831	0,045919	0,020086	0,011302	0,025011	0,312557	0,318645
Variance	0,013913	0,299539	0,034003	0,167103	980,4081	1,114592	1,52E-05	0,046389	0,008876	0,00281	0,013762	2,149227	2,233762
Standard deviation	0,117955	0,547302	0,184398	0,408783	31,31147	1,055742	0,003897	0,21538	0,094213	0,053011	0,117313	1,466024	1,494578
Median	0,332385	1,768537	0,411378	1,329502	101,486	1,613844	0,009657	-0,6297	0,223326	0,106758	0,247962	8,904488	83,63318
25 percentile	0,249932	1,413675	0,293066	1,069991	85,59162	1,138906	0,007149	-0,84829	0,162208	0,059909	0,187374	7,841693	82,05835
75 percentile	0,415648	2,143929	0,666139	1,689199	137,0883	2,607345	0,01134	-0,46912	0,284703	0,154083	0,339235	9,739264	84,24538
Skewness	0,642606	0,736294	0,410043	0,779262	-0,14149	1,214258	1,813974	-0,21733	1,235854	0,763112	1,015287	0,996028	0,305964
Kurtosis	-0,1136	0,033897	-1,39743	0,125225	-0,85115	0,934818	4,1477	-1,05567	1,234783	0,123483	0,412663	0,880816	-0,44848
Geometric mean	0,319117	1,790637	0,425978	1,349209	103,1639	1,670309	0,009478	0	0,227102	0,100041	0,25869	8,988526	83,36802
Coefficient of variation	34,87891	29,37935	40,05026	29,1475	28,99641	55,31786	38,79075	-32,7609	38,92212	47,53627	41,96216	16,1214	1,792473

<i>Cervus elaphus</i>	Spc	S10z	S5p	S5v	Sda	Sdv	Svd	Svc	Sk	Spk	Svk	Smr1	Smr2
N	21	21	21	21	21	21	21	21	21	21	21	21	21
Min	0,223954	1,147559	0,378706	0,752148	87,50934	0,890011	0,002549	-1,11604	0,130079	0,081041	0,176817	7,06616	79,41878
Max	0,697079	3,671617	0,826558	2,845059	299,3267	7,177651	0,011014	-0,26849	0,441394	0,242604	0,575999	13,11274	87,64943
Sum	7,2313	38,6963	11,54292	27,15338	3627,375	53,50458	0,131739	-10,1205	5,857888	2,922831	6,563802	205,7495	1748,918
Mean	0,344348	1,842681	0,549663	1,293018	172,7321	2,547837	0,006273	-0,48193	0,278947	0,139182	0,312562	9,797595	83,28181
Standard error	0,027175	0,126681	0,030596	0,101638	13,49596	0,335596	0,000537	0,046245	0,017861	0,010113	0,020209	0,376022	0,473661
Variance	0,015508	0,337011	0,019659	0,216935	3824,959	2,365113	6,05E-06	0,044911	0,0067	0,002148	0,008577	2,969249	4,711453
Standard deviation	0,124533	0,580527	0,14021	0,465763	61,84625	1,537892	0,002459	0,211922	0,081851	0,046343	0,092611	1,723151	2,170588
Median	0,314861	1,676098	0,528275	1,200518	171,3489	2,283311	0,005817	-0,44729	0,277482	0,133528	0,297226	9,523348	83,17164
25 percentile	0,277728	1,445018	0,416493	0,98733	115,0949	1,533452	0,004167	-0,48401	0,219613	0,101114	0,239807	8,725939	81,75999
75 percentile	0,378982	2,036262	0,6183	1,423441	225,4604	3,126283	0,008759	-0,35776	0,34723	0,172056	0,380484	11,32758	85,03797
Skewness	2,004381	1,798989	0,683075	2,004316	0,494283	1,693726	0,433284	-2,04419	0,221805	0,792085	1,12377	0,413108	0,318611
Kurtosis	4,050922	4,006217	-0,29197	5,453061	-0,59874	3,364988	-1,022675	4,207745	-0,58118	-0,13632	1,766881	-0,53416	-0,51738
Geometric mean	0,328062	1,772169	0,53356	1,2304	162,3741	2,200513	0,005816	0	0,267063	0,132376	0,300783	9,655963	83,25499
Coefficient of variation	36,16483	31,50446	25,50834	36,02138	35,80472	60,3607	39,20446	-43,9737	29,343	33,29674	29,62962	17,58749	2,606317

<i>Capreolus capreolus</i>	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax)/ epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (H36)	HAsfc81 (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
N	18	18	18	18	18	18	18	18	18	18	18	18
Min	0,4077	0,998263	0,074884	0,00053	0,074633	0,295884	0,41506	0	12701,42	0,01252	0,02011864	0,04159
Max	9,468375	0,999944	2,130048	0,010547	0,565362	0,774518	1,001173	65541,47	88406,48	1,35227	1,566846	10,57436
Sum	47,0604	17,99057	7,155624	0,108952	6,424999	9,289976	12,51975	650750,6	1002011	7,696246	5,300831	19,47714
Mean	2,614467	0,9994761	0,397535	0,0060529	0,356944	0,51611	0,695542	36152,81	55667,29	0,427569	0,2944906	1,082063
Standard error	0,5871714	0,0001095	0,113484	0,0005521	0,033457	0,032345	0,046571	4490,689	4832,237	0,089033	0,08430701	0,593295
Variance	6,205865	2,16E-07	0,231814	5,49E-06	0,020149	0,018831	0,039039	3,63E+08	4,20E+08	0,142682	0,1279381	6,335973
Standard deviation	2,491157	0,0004645	0,48147	0,0023424	0,141948	0,137227	0,197582	19052,38	20501,44	0,377733	0,3576844	2,517136
Median	1,707883	0,9996635	0,299538	0,0063325	0,384233	0,518559	0,725351	39151,56	58938,49	0,326935	0,1738632	0,195869
25 percentile	1,035245	0,9992565	0,074884	0,0049595	0,22541	0,420614	0,496065	26577,81	48238,28	0,15598	0,1326884	0,131169
75 percentile	3,307157	0,999806	0,532512	0,007409	0,457961	0,629859	0,840234	46832,2	69434,82	0,634015	0,343952	0,498945
Skewness	1,804579	-1,444674	2,975727	-0,480903	-0,40082	0,331119	0,136438	-0,656544	-0,6961637	1,238637	2,956463	3,553939
Kurtosis	2,806951	1,579181	10,57194	0,829478	-0,71117	-0,34814	-1,2357	0,0404984	0,2370557	1,070045	9,987018	13,40749
Geometric mean	1,826289	0,999476	0,24207	0,0053035	0,321146	0,498698	0,668361	0	50457,47	0,250166	0,180875	0,285524
Coefficient of variation	95,28358	0,046477	121,114	38,69878	39,7674	26,58877	28,40692	52,69957	36,82853	88,34435	121,4587	232,6237

<i>Alces alces</i>	Asfc	R <sup>2</sup>	Smfc	epLsar	H9	H36	H81	Tfv2	Tfv02	Disp-Asfc	Disp-epLsar	Disp-Tfv2
N	48	48	48	48	48	48	48	48	48	48	48	48
Min	0,25632	0,985009	0,074884	0,000258	0,118533	0,408069	0,498771	0	14878,81	0,009116	0,00482061	0,001727
Max	16,71654	0,999873	21,64162	0,006125	2,554215	3,844457	6,017412	63564,66	88148,81	1,412699	0,9338234	10,33716
Sum	196,7868	47,94087	99,90423	0,10707	31,95567	50,04379	75,27979	1440120	2427366	18,9646	18,30624	39,69578
Mean	4,099726	0,9987681	2,081338	0,0022306	0,665743	1,042579	1,568329	30002,5	50570,13	0,395096	0,3813801	0,826995
Standard error	0,4686202	0,0003141	0,550704	0,0002223	0,070608	0,091997	0,149674	2542,936	2521,849	0,048474	0,0383409	0,225085
Variance	10,54104	4,74E-06	14,55718	2,37E-06	0,239303	0,40625	1,075312	3,10E+08	3,05E+08	0,112786	0,07056119	2,431842
Standard deviation	3,246696	0,0021764	3,815388	0,0015403	0,489186	0,637377	1,036972	17617,98	17471,88	0,335836	0,2656336	1,559437
Median	3,533208	0,9993585	0,919415	0,0018005	0,491826	0,931769	1,331464	30857,36	50462,85	0,289322	0,3715533	0,433645
25 percentile	2,219777	0,9986375	0,532512	0,000913	0,359675	0,624366	0,938982	14975,68	36252,67	0,187752	0,1310417	0,192708
75 percentile	4,816923	0,999624	1,574655	0,002996	0,802899	1,258173	1,860788	42657,57	65277,39	0,526787	0,5692656	0,752798
Skewness	2,517695	-5,626216	3,837143	0,9475744	1,966326	2,289817	2,229756	-0,001847	0,0732132	1,556891	0,3519904	5,107082
Kurtosis	7,792263	35,47748	16,22961	0,3626618	4,372843	7,335482	6,591971	-0,91377	-0,5394009	2,264744	-0,8423281	30,39122
Geometric mean	3,206292	0,9987658	0,939858	0,0017078	0,54136	0,907416	1,334954	0	47242,34	0,260294	0,2450874	0,318498
Coefficient of variation	79,19301	0,2179063	183,3142	69,05023	73,47963	61,13468	66,11957	58,7217	34,54981	85,00118	69,65062	188,5665

<i>Capreolus capreolus</i>	Sq <μ>	Ssk <no unit>	Sku <no unit>	Sp<μ>	Sv<μ>	Sz<μ>	Sa<μ>	Smr (c = 1.00 μm below highest peak) <μ>	Smc (p = 10.0%) <μ>	Sxp (p = 50.0%, q = 97.5%) <μ>	Sal (s = 0.300) <μ>	Sal #1 (s = 0.400) <μ>	Sal #2 (s = 0.500) <μ>
N	18	18	18	18	18	18	18	18	18	18	18	18	18
Min	0,032311	-2,43872	5,083606	0,164332	0,462719	0,774065	0,021982	2,644975	0,031937	0,075624	1,947363	1,666016	1,35155
Max	0,344773	-0,7105	16,81712	1,42929	3,874111	5,303401	0,231613	100	0,303115	0,964818	4,483343	3,750627	3,075186
Sum	2,999958	-28,2211	188,1154	14,26336	29,8164	44,07976	2,085329	1226,974	2,901638	7,888741	57,19916	48,50573	40,64262
Mean	0,166664	-1,56784	10,45085	0,792409	1,656467	2,448876	0,115852	68,16521	0,161202	0,438263	3,177731	2,694763	2,257923
Standard error	0,01849	0,120335	0,96928	0,090467	0,1969	0,274749	0,012907	9,029737	0,017569	0,050524	0,155121	0,132164	0,111101
Variance	0,006154	0,260651	16,91107	0,147318	0,697856	1,35877	0,002999	1467,651	0,005556	0,045948	0,433126	0,314413	0,222182
Standard deviation	0,078445	0,51054	4,112307	0,38382	0,835378	1,165663	0,05476	38,30993	0,074538	0,214356	0,658123	0,560726	0,471361
Median	0,172168	-1,50718	10,43151	0,794057	1,683518	2,611829	0,107305	87,61842	0,141999	0,455305	3,353968	2,862512	2,396867
25 percentile	0,109791	-1,9846	6,183612	0,455799	1,092851	1,545553	0,076552	32,04227	0,108082	0,291265	2,667723	2,237915	1,859726
75 percentile	0,228925	-1,13282	14,51597	1,115388	2,083082	3,138035	0,167473	99,72116	0,227068	0,589669	3,562503	3,03714	2,545047
Skewness	0,310839	0,01041	0,095363	0,06519	0,897606	0,595634	0,263681	-0,8245205	0,166634	0,505328	-0,29946	-0,38773	-0,48244
Kurtosis	0,196278	-1,12879	-1,46757	-1,27315	1,708233	0,635856	-0,24156	-1,031691	-0,6111	0,875921	-0,04497	-0,23774	-0,37875
Geometric mean	0,14555	0	9,636056	0,688424	1,449395	2,169201	0,101025	45,59259	0,141365	0,379006	3,107822	2,634388	2,206449
Coefficient of variation	47,06759	-32,5633	39,349	48,43713	50,43129	47,59992	47,26744	56,20158	46,23897	48,91027	20,71047	20,80797	20,87588

<i>Alces alces</i>	Sq	Ssk	Sku	Sp	Sv	Sz	Sa	Smr	Smc	Sxp	Sal	Sal #1	Sal #2
N	48	48	48	48	48	48	48	48	48	48	48	48	48
Min	0,038828	-12,5215	5,696022	0,395581	1,024792	1,44303	0,023005	0,01830081	0,034639	0,074025	2,288354	1,962951	1,686692
Max	0,819425	-0,73834	265,2814	5,681981	12,51052	18,19251	0,534217	99,97518	0,728294	2,170603	4,859571	4,079126	3,402093
Sum	13,18502	-213,794	2657,799	69,35634	220,8736	290,23	7,097889	2087,098	9,169952	29,98518	154,5912	131,4725	110,755
Mean	0,274688	-4,45404	55,37082	1,444924	4,601534	6,046457	0,147873	43,48121	0,191041	0,624691	3,22065	2,739011	2,307396
Standard error	0,022399	0,342948	7,093274	0,147556	0,363319	0,490264	0,011835	6,358361	0,015461	0,048431	0,082486	0,069788	0,058609
Variance	0,024082	5,645427	2415,098	1,045089	6,336045	11,53721	0,006723	1940,581	0,011475	0,112588	0,326593	0,233779	0,164879
Standard deviation	0,155185	2,376011	49,14365	1,022296	2,51715	3,396647	0,081997	44,05202	0,10712	0,335541	0,571483	0,483507	0,406053
Median	0,244881	-4,2152	47,12056	1,128966	4,03743	5,013813	0,140251	18,49209	0,189441	0,562818	3,131357	2,684585	2,278062
25 percentile	0,171813	-5,90411	19,67886	0,744263	2,765088	3,5456	0,090515	0,4783546	0,111727	0,391499	2,817507	2,404866	2,030898
75 percentile	0,315322	-2,60269	71,31271	1,882325	5,943804	7,789149	0,172936	94,34562	0,231532	0,798169	3,571132	3,057803	2,601958
Skewness	1,833512	-0,90948	2,030241	2,003165	1,025018	1,304755	2,356491	0,2156483	2,714071	2,164532	0,68909	0,646778	0,583913
Kurtosis	4,330231	1,398066	6,110614	5,294535	1,301708	2,407868	9,602788	-1,911825	12,67628	8,490272	0,520969	0,318193	0,134836
Geometric mean	0,239589	0	37,99245	1,190432	3,950291	5,211077	0,129831	7,012328	0,168363	0,549672	3,173075	2,698848	2,273579
Coefficient of variation	56,49496	-53,345	88,75369	70,75084	54,70242	56,17582	55,45086	101,3128	56,07161	53,71303	17,74434	17,65259	17,59791

<i>Capreolus capreolus</i>	Str (s = 0.300) <no unit>	Str #1 (s = 0.400) <no unit>	Str #2 (s = 0.500) <no unit>	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vv (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vmp (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vmc (p = 10.0%, q = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vvc (p = 10.0%, q = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vvv (p = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Spd (pruning = 5.00%) <1/μm <sup>2</sup> >
N	18	18	18	18	18	18	18	18	18	18	18	18
Min	0,055665	0,068539	0,08127	0,055044	0,148984	0,001555	0,033492	0,001555	0,02224042	0,02828758	0,0052046	0,001471
Max	0,551286	0,580375	0,611937	0,321614	4,017545	0,014697	0,317628	0,014697	0,2189408	0,2441381	0,0734899	0,013563
Sum	5,047669	5,952011	6,746451	2,535684	19,0685	0,13177	3,033408	0,13177	2,097114	2,478741	0,5546673	0,083109
Mean	0,280426	0,330667	0,374803	0,140871	1,059361	0,007321	0,168523	0,007321	0,1165063	0,1377078	0,0308149	0,004617
Standard error	0,036111	0,037018	0,036684	0,016066	0,226091	0,000951	0,018417	0,000951	0,01306839	0,01504403	0,0037393	0,000682
Variance	0,023472	0,024666	0,024223	0,004646	0,920106	1,63E-05	0,006106	1,63E-05	0,003074091	0,00407381	0,0002517	8,36E-06
Standard deviation	0,153206	0,157053	0,155638	0,068161	0,959221	0,004035	0,078138	0,004035	0,05544449	0,06382642	0,0158645	0,002891
Median	0,235625	0,305337	0,362948	0,126642	0,751394	0,007389	0,148632	0,007389	0,1037565	0,1234656	0,0335076	0,003791
25 percentile	0,155527	0,189579	0,266393	0,09658	0,458058	0,003917	0,111999	0,003917	0,07865234	0,0919554	0,0200435	0,002827
75 percentile	0,407461	0,463049	0,507593	0,186715	1,591499	0,009925	0,237922	0,009925	0,1766011	0,1925046	0,0387679	0,005638
Skewness	0,499018	0,237685	-0,03071	1,101989	1,908245	0,287883	0,165097	0,287883	0,1962572	0,1334844	0,8232899	1,980436
Kurtosis	-1,01919	-1,06011	-0,8852	1,52939	4,46845	-0,721316	-0,60076	-0,721316	-0,7611876	-0,855251	1,959633	4,752359
Geometric mean	0,238843	0,290487	0,337409	0,126575	0,739889	0,006073	0,147645	0,006073	0,1014173	0,1207607	0,0264273	0,003988
Coefficient of variation	54,63328	47,49566	41,52518	48,38536	90,54714	55,11997	46,36657	55,11997	47,58925	46,34916	51,48325	62,62405

<i>Alces alces</i>	Str	Str #1	Str #2	Sdq	Sdr	Vm	Vv	Vmp	Vmc	Vvc	Vvv	Spd
N	48	48	48	48	48	48	48	48	48	48	48	48
Min	0,224995	0,322343	0,437987	0,046749	0,099786	0,002119	0,036758	0,002119	0,02144525	0,03117175	0,0055864	0,000163
Max	0,923878	0,920388	0,933775	0,846396	10,19476	0,060438	0,771509	0,060438	0,494214	0,590903	0,1806061	0,005654
Sum	33,22405	34,81213	36,03279	11,77982	103,0623	0,672728	9,842687	0,672728	5,776597	7,373819	2,468867	0,08007
Mean	0,692168	0,725253	0,750683	0,245413	2,147131	0,014015	0,205056	0,014015	0,1203458	0,1536212	0,0514347	0,001668
Standard error	0,027206	0,023589	0,020466	0,02051	0,270598	0,001552	0,016464	0,001552	0,01114476	0,01263694	0,004264	0,000213
Variance	0,035527	0,026709	0,020105	0,020192	3,514725	0,000116	0,013011	0,000116	0,005961872	0,00766523	0,0008727	2,18E-06
Standard deviation	0,188487	0,163427	0,141792	0,142098	1,87476	0,01075	0,114064	0,01075	0,07721316	0,08755131	0,0295416	0,001476
Median	0,753727	0,774534	0,794254	0,210934	1,641197	0,010742	0,19886	0,010742	0,1076641	0,1530502	0,0460344	0,001062
25 percentile	0,566412	0,607298	0,636234	0,164724	1,045328	0,007614	0,123133	0,007614	0,06794479	0,08851839	0,0332572	0,000662
75 percentile	0,84184	0,852479	0,866721	0,28653	2,642671	0,015874	0,248581	0,015874	0,1544729	0,1848947	0,0619623	0,002418
Skewness	-0,84128	-0,75504	-0,63315	2,126688	2,484291	2,371163	2,643128	2,371163	2,551999	2,674361	2,094828	1,28347
Kurtosis	-0,20876	-0,37293	-0,6556	6,333513	7,665743	7,22693	12,1174	7,22693	10,78415	12,39902	6,904782	0,727966
Geometric mean	0,659738	0,70386	0,736026	0,214755	1,590648	0,011271	0,180846	0,011271	0,1017993	0,1348376	0,0446167	0,001136
Coefficient of variation	27,23144	22,53385	18,88837	57,90172	87,31464	76,70532	55,62591	76,70532	64,15943	56,99167	57,43519	88,47162

<i>Capreolus capreolus</i>	Spc (pruning = 5.00%) <1/μm>	S10z (pruning = 5.00%) <μm>	S5p (pruning = 5.00%) <μm>	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm <sup>2</sup> >	Sdv (pruning = 5.00%) <μm <sup>3</sup> >	Svd (pruning = 5.00%) <1/μm <sup>2</sup> >	Svc (pruning = 5.00%) <1/μm>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>
N	18	18	18	18	18	18	18	18	18	18	18	18	18
Min	0,191591	0,731678	0,145312	0,392684	85,34826	0,34327	0,00353	-2,83044	0,058212	0,030831	0,055735	7,614742	79,25811
Max	1,118753	4,528444	1,26238	3,266065	243,6693	4,527836	0,011863	-0,24532	0,477622	0,291317	0,734629	12,05835	86,03383
Sum	9,790196	35,74677	11,6974	24,04937	2595,917	40,11821	0,12615	-15,477	4,923563	2,608061	5,617842	175,8388	1496,438
Mean	0,5439	1,985932	0,649856	1,336076	144,2176	2,228789	0,007008	-0,85983	0,273531	0,144892	0,312102	9,768823	83,13542
Standard error	0,067075	0,219757	0,073698	0,154267	9,628266	0,327659	0,000438	0,159919	0,029293	0,018912	0,03715	0,273936	0,510751
Variance	0,080982	0,869276	0,097765	0,428372	1668,663	1,932481	3,45E-06	0,460333	0,015445	0,006438	0,024842	1,350739	4,695606
Standard deviation	0,284573	0,93235	0,312674	0,654501	40,84927	1,390137	0,001857	0,678479	0,124279	0,080237	0,157614	1,162213	2,166935
Median	0,480093	2,064156	0,658299	1,426581	132,3823	1,956855	0,007337	-0,624	0,248904	0,148232	0,339867	9,864072	83,75506
25 percentile	0,343532	1,287924	0,382225	0,879192	114,7981	1,097297	0,005834	-0,91137	0,195516	0,077723	0,206766	8,878964	81,38013
75 percentile	0,637354	2,489262	0,861211	1,599726	172,6906	3,509127	0,007909	-0,50044	0,374825	0,197391	0,387233	10,76968	84,53743
Skewness	0,97271	0,926639	0,266438	1,242558	0,97266	0,282979	0,650393	-2,07266	0,157646	0,299369	0,796537	-0,13479	-0,63825
Kurtosis	0,19935	1,999299	-0,76936	3,600525	0,518088	-1,1974	1,841531	4,031525	-0,89868	-0,69211	1,918531	-0,37751	-0,66057
Geometric mean	0,479543	1,778807	0,569508	1,186632	139,2447	1,723339	0,006776	0	0,241801	0,119998	0,269462	9,702057	83,10847
Coefficient of variation	52,32091	46,94771	48,11441	48,9868	28,32475	62,37185	26,49776	-78,908	45,43488	55,37712	50,50075	11,89717	2,606512

<i>Alces alces</i>	Spc	S10z	S5p	S5v	Sda	Sdv	Svd	Svc	Sk	Spk	Svk	Smr1	Smr2
N	48	48	48	48	48	48	48	48	48	48	48	48	48
Min	0,250504	1,145741	0,342259	0,763745	73,9336	1,326879	0,000784	-14,3249	0,058755	0,041624	0,072109	7,994741	77,13542
Max	2,757836	16,31018	4,720543	11,58963	427,3919	46,55816	0,012354	-0,30129	0,786673	0,926886	1,828292	20,47309	88,74272
Sum	38,17226	222,4557	53,00794	169,4478	9974,859	519,0339	0,210011	-72,8219	12,32954	12,44789	25,97515	613,7065	3945,069
Mean	0,795256	4,634494	1,104332	3,530162	207,8096	10,81321	0,004375	-1,51712	0,256866	0,259331	0,541149	12,78555	82,18893
Standard error	0,05997	0,401215	0,112342	0,300837	11,10851	1,287949	0,000358	0,298564	0,019942	0,025528	0,04313	0,451142	0,366421
Variance	0,172625	7,726723	0,605799	4,344143	5923,147	79,62297	6,15E-06	4,278746	0,019089	0,03128	0,08929	9,769386	6,444688
Standard deviation	0,415482	2,779698	0,778331	2,084261	76,96199	8,92317	0,00248	2,068513	0,138161	0,176861	0,298814	3,125602	2,538639
Median	0,738948	4,019705	0,918004	2,999184	200,2503	7,204498	0,003611	-1,00257	0,243716	0,216365	0,468114	11,97847	82,31761
25 percentile	0,527688	2,674638	0,634591	1,93551	152,4711	4,720569	0,002492	-1,60472	0,148018	0,144976	0,367909	10,59711	80,01453
75 percentile	0,906118	6,281342	1,309465	4,710476	260,6378	15,38387	0,005703	-0,67703	0,326696	0,302513	0,6567	14,67671	83,69526
Skewness	2,541867	1,844332	2,665976	1,494923	0,530308	1,830338	1,208843	-5,31461	1,394036	1,949168	2,079527	0,818848	0,386894
Kurtosis	9,836719	5,36801	9,586256	3,458736	0,182342	4,571679	1,20813	32,45831	3,291545	4,640731	6,598391	-0,00311	0,176533
Geometric mean	0,719211	3,98294	0,932592	3,010068	193,5764	7,986541	0,003773	0	0,223933	0,21472	0,475862	12,43848	82,15079
Coefficient of variation	52,24508	59,97846	70,47978	59,0415	37,03486	82,52104	56,6747	-136,345	53,78744	68,19877	55,21848	24,44636	3,088785

<i>Gazella bouvrainae</i>	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax)/ epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (H36)	HAsfc81 (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
N	31	31	31	31	31	31	31	31	31	31	31	31
Min	0,4997567	0,9866163	0,224203	0,0006649	0,128677	0,251787	0,353472	22872,91	45611,71	0,005594	0,00387283	0,005621
Max	9,723558	0,9991013	20,77624	0,0090144	1,361415	1,660189	1,800574	59629,3	80580,1	1,361037	1,239541	0,643036
Sum	70,043	30,92243	43,50862	0,1408548	13,59917	20,0729	24,93944	1347134	1982837	9,328253	8,747783	5,001207
Mean	2,259452	0,9974976	1,403504	0,0045437	0,438683	0,647513	0,804498	43455,93	63962,5	0,300911	0,2821866	0,161329
Standard error	0,3170336	0,0004076	0,653189	0,0003273	0,038289	0,048741	0,059748	1598,696	1642,986	0,050603	0,05477957	0,027161
Variance	3,115819	5,15E-06	13,22631	3,32E-06	0,045448	0,073645	0,110664	7,92E+07	8,37E+07	0,07938	0,09302484	0,02287
Standard deviation	1,765168	0,0022695	3,6368	0,0018225	0,213185	0,271376	0,332661	8901,163	9147,759	0,281745	0,3049997	0,151228
Median	1,764888	0,9980457	0,627581	0,0048263	0,399736	0,5984	0,696645	43266,94	64063,53	0,238723	0,1645271	0,124922
25 percentile	1,222973	0,9973082	0,275453	0,003291	0,322923	0,461018	0,613009	36848,04	58358,3	0,125163	0,09907591	0,029573
75 percentile	2,953067	0,9986154	1,429857	0,0057738	0,521755	0,730793	0,976515	49300,53	73371,32	0,413833	0,365153	0,252881
Skewness	2,867791	-3,957779	5,369537	-0,27152	2,778201	1,919636	1,400112	-0,286706	-0,3196795	2,106944	1,820331	1,267568
Kurtosis	10,48008	18,39656	29,46899	0,4255264	11,46505	5,620066	2,163832	-0,171865	-0,6030971	5,999013	2,836981	1,993604
Geometric mean	1,853666	0,9974951	0,644475	0,0040332	0,402305	0,603232	0,748305	42492,44	63298,83	0,179366	0,1563885	0,085626
Coefficient of variation	78,12374	0,2275188	259,1229	40,11136	48,59662	41,9105	41,35017	20,48319	14,30175	93,63068	108,0844	93,73867

<i>Eucladoceros tegulensis</i>	Asfc	R <sup>2</sup>	Smfc	epLsar	H9	H36	H81	Tfv2	Tfv02	Disp-Asfc	Disp-epLsar	Disp-Tfv2
N	7	7	7	7	7	7	7	7	7	7	7	7
Min	0,9096861	0,9972696	0,627581	0,002315	0,219059	0,323443	0,436416	35021,84	55291,71	0,006231	0,03167087	0,008051
Max	15,18578	0,9988353	132,5008	0,0083635	0,431094	0,713869	0,97148	79340,8	107129,4	1,589967	0,7149767	0,488838
Sum	25,35273	6,987028	160,4802	0,0327758	2,378113	3,475039	4,680025	344047,7	492095,1	2,833418	1,897869	1,236946
Mean	3,621819	0,9981468	22,92574	0,0046822	0,339731	0,496434	0,668575	49149,67	70299,3	0,404774	0,2711241	0,176707
Standard error	1,941425	0,0002351	18,46894	0,0007367	0,031832	0,058373	0,07298	5504,985	6530,954	0,203798	0,08976253	0,069931
Variance	26,38391	3,87E-07	2387,712	3,80E-06	0,007093	0,023852	0,037282	2,12E+08	2,99E+08	0,290735	0,05640119	0,034232
Standard deviation	5,136527	0,000622	48,86422	0,0019491	0,084219	0,154441	0,193087	14564,82	17279,28	0,539199	0,2374893	0,18502
Median	1,615951	0,9980317	1,429857	0,0040063	0,320358	0,476969	0,638734	48259,86	67224,98	0,223005	0,3212795	0,107199
25 percentile	1,358306	0,9976778	0,947286	0,0035698	0,266699	0,351773	0,51364	37821,04	57584,45	0,119321	0,07130239	0,008051
75 percentile	2,896333	0,9987776	20,89321	0,0054769	0,427394	0,625104	0,797896	50856,41	72036,99	0,434009	0,3463973	0,328672
Skewness	2,567816	-0,1052	2,531294	1,097348	-0,16326	0,242015	0,416905	1,743634	2,004402	2,320775	1,051686	0,813928
Kurtosis	6,673344	-1,870075	6,488331	1,654866	-1,73129	-1,92326	-1,08515	3,809104	4,639936	5,690491	1,178407	-0,6191
Geometric mean	2,196837	0,9981466	3,667353	0,0043622	0,330322	0,475814	0,645046	47589,94	68779,42	0,178639	0,1756718	0,074273
Coefficient of variation	141,8218	0,0623182	213,1413	41,62724	24,78998	31,10997	28,88034	29,63361	24,57959	133,2099	87,59433	104,7044

<i>Gazella bouvrainae</i>	Sq <μ>	Ssk <no unit>	Sku <no unit>	Sp<μ>	Sv<μ>	Sz<μ>	Sa<μ>	Smr (c = 1.00 μm below highest peak) <μ>	Smc (p = 10.0%) <μ>	Sxp (p = 50.0%, q = 97.5%) <μ>	Sal (s = 0.300) <μ>	Sal #1 (s = 0.400) <μ>	Sal #2 (s = 0.500) <μ>
N	31	31	31	31	31	31	31	31	31	31	31	31	31
Min	0,100688	-2,61242	3,452714	0,439313	0,695291	1,169633	0,066071	0,111528	0,088153	0,222471	3,054917	2,61228	2,185757
Max	0,417406	-0,09732	31,46644	2,615289	6,658036	9,273325	0,251756	99,8393	0,408795	0,810896	5,026788	4,109299	3,327613
Sum	5,698007	-38,1505	292,0848	31,31846	53,52187	84,84033	3,99161	2061,079	5,771928	13,82231	121,7313	103,3031	86,44323
Mean	0,183807	-1,23066	9,422091	1,010273	1,726512	2,736785	0,128762	66,48641	0,186191	0,445881	3,926816	3,332358	2,788491
Standard error	0,011952	0,112358	0,967239	0,09533	0,187492	0,269879	0,007404	6,963255	0,01122	0,025187	0,086559	0,067897	0,054748
Variance	0,004428	0,391357	29,00209	0,281724	1,089749	2,257878	0,001699	1503,095	0,003902	0,019666	0,232268	0,142908	0,092916
Standard deviation	0,066544	0,625585	5,385359	0,530777	1,04391	1,502624	0,041223	38,76976	0,062469	0,140237	0,481942	0,378032	0,304821
Median	0,178411	-1,0888	7,65466	0,864499	1,559983	2,465112	0,127386	87,76916	0,188918	0,446916	3,903919	3,327765	2,810998
25 percentile	0,138041	-1,36364	6,00647	0,68995	1,166726	1,946967	0,096198	20,02922	0,143833	0,319438	3,585941	3,094326	2,589107
75 percentile	0,218549	-0,83909	11,48589	1,154233	1,850863	2,92234	0,159066	97,21716	0,221396	0,520237	4,261028	3,594634	3,014354
Skewness	1,583717	-0,65144	2,48493	1,816921	3,681268	3,012979	0,880206	-0,9230324	1,403838	0,652278	0,034834	-0,07854	-0,12824
Kurtosis	3,897158	-0,08635	8,592722	2,953951	17,13291	11,75478	1,242298	-0,8909714	4,154179	0,23604	-0,26505	-0,34183	-0,50423
Geometric mean	0,174007	0	8,400097	0,912189	1,553621	2,486991	0,122741	28,77897	0,177096	0,42528	3,897839	3,311223	2,772043
Coefficient of variation	36,20344	-50,8333	57,15673	52,53796	60,46355	54,9047	32,01503	58,31231	33,5508	31,45164	12,2731	11,34427	10,93141

<i>Eucladoceros tegulensis</i>	Sq	Ssk	Sku	Sp	Sv	Sz	Sa	Smr	Smc	Sxp	Sal	Sal #1	Sal #2
N	7	7	7	7	7	7	7	7	7	7	7	7	7
Min	0,127901	-1,77376	4,188469	0,468526	0,783091	1,549019	0,097054	0,1849155	0,14687	0,295586	3,225684	2,768864	2,346106
Max	0,719553	-0,30849	12,3759	5,035157	5,227482	10,26264	0,476816	99,74946	0,731362	1,620036	5,089399	4,250527	3,495376
Sum	1,948169	-5,83222	48,26375	11,34713	15,166	26,51313	1,382719	283,3086	2,056843	4,611164	30,01223	25,57949	21,54021
Mean	0,27831	-0,83317	6,894821	1,621019	2,166572	3,78759	0,197531	40,47266	0,293835	0,658738	4,287462	3,654214	3,077173
Standard error	0,07635	0,223124	1,153585	0,592391	0,581643	1,143629	0,048384	16,07553	0,074989	0,171837	0,258472	0,21584	0,177232
Variance	0,040805	0,348489	9,315312	2,456493	2,368159	9,155205	0,016387	1808,958	0,039363	0,206694	0,467653	0,326108	0,219879
Standard deviation	0,202002	0,590329	3,0521	1,56732	1,538882	3,025757	0,128011	42,53185	0,198401	0,454637	0,683852	0,571059	0,468912
Median	0,21341	-0,54168	5,612568	1,053046	1,754842	2,805843	0,160214	41,56659	0,243871	0,4966	4,567923	3,89402	3,297731
25 percentile	0,15925	-1,53118	4,522397	0,669649	1,080493	2,012257	0,122595	0,6613443	0,179047	0,374608	3,62652	3,058805	2,563793
75 percentile	0,302203	-0,36372	9,174256	1,840585	2,80407	4,644655	0,208321	93,67948	0,288188	0,819566	4,827959	4,134335	3,486105
Skewness	2,264606	-0,9621	1,065914	2,24154	1,522347	2,103301	2,243525	0,5577488	2,344488	2,007841	-0,55191	-0,66114	-0,76736
Kurtosis	5,439303	-0,90146	0,224463	5,32553	2,444661	4,630244	5,41785	-1,523763	5,840994	4,220859	-1,14284	-1,26372	-1,26058
Geometric mean	0,237682	0	6,384953	1,217071	1,786872	3,103641	0,173685	9,880817	0,256827	0,564819	4,238012	3,613516	3,044407
Coefficient of variation	72,58169	-70,853	44,26655	96,68737	71,02846	79,88607	64,80567	105,0878	67,52136	69,01632	15,95004	15,6274	15,23841

<i>Gazella bouvrainae</i>	Str (s = 0.300) <no unit>	Str #1 (s = 0.400) <no unit>	Str #2 (s = 0.500) <no unit>	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vv (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vmp (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vmc (p = 10.0%, q = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vvc (p = 10.0%, q = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vvv (p = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Spd (pruning = 5.00%) <1/μm <sup>2</sup> >
N	31	31	31	31	31	31	31	31	31	31	31	31
Min	0,1713	0,225677	0,310554	0,073734	0,262592	0,003995	0,093854	0,003995	0,05962888	0,07399812	0,0150702	0,001899
Max	0,815587	0,858463	0,892557	0,35832	4,635861	0,027257	0,436052	0,027257	0,2292526	0,3774604	0,058592	0,012354
Sum	14,93672	16,74342	18,06628	4,43662	31,93143	0,284002	6,055931	0,284002	4,078424	5,113633	0,9422978	0,163311
Mean	0,48183	0,54011	0,582783	0,143117	1,030046	0,009161	0,195353	0,009161	0,1315621	0,1649559	0,0303967	0,005268
Standard error	0,033254	0,029654	0,027134	0,009907	0,146235	0,000861	0,012019	0,000861	0,007216999	0,01042982	0,0019011	0,000432
Variance	0,03428	0,02726	0,022824	0,003042	0,662925	2,30E-05	0,004478	2,30E-05	0,001614637	0,00337221	0,000112	5,78E-06
Standard deviation	0,185149	0,165107	0,151075	0,055159	0,814202	0,004795	0,066917	0,004795	0,04018255	0,05807075	0,0105851	0,002404
Median	0,487984	0,545802	0,595945	0,133095	0,823706	0,008083	0,197029	0,008083	0,1281727	0,1656223	0,0299704	0,004739
25 percentile	0,365628	0,423045	0,462045	0,105599	0,537275	0,00572	0,150739	0,00572	0,1010781	0,1287716	0,02138	0,003628
75 percentile	0,643779	0,68578	0,714156	0,164032	1,224747	0,01121	0,229838	0,01121	0,1661066	0,1917382	0,0373473	0,006765
Skewness	0,037201	0,010188	0,066507	2,114897	3,098214	2,040844	1,471625	2,040844	0,3549039	1,517882	0,9621968	0,951055
Kurtosis	-1,01895	-0,84611	-0,8144	6,789821	12,64867	5,711128	4,362299	5,711128	-0,2214734	4,811083	1,069345	1,02717
Geometric mean	0,443184	0,513617	0,56296	0,135126	0,845411	0,008263	0,185539	0,008263	0,1254755	0,1561755	0,028755	0,004769
Coefficient of variation	38,4263	30,56903	25,92302	38,5409	79,04519	52,33729	34,25455	52,33729	30,54265	35,2038	34,82303	45,63524

<i>Eucladoceros tegulensis</i>	Str	Str #1	Str #2	Sdq	Sdr	Vm	Vv	Vmp	Vmc	Vvc	Vvv	Spd
N	7	7	7	7	7	7	7	7	7	7	7	7
Min	0,152949	0,212894	0,255627	0,094557	0,431845	0,004876	0,151747	0,004876	0,1071193	0,1324787	0,0192681	0,002059
Max	0,746205	0,773704	0,807908	0,596468	11,58535	0,047873	0,779235	0,047873	0,4538368	0,6629946	0,1162406	0,007844
Sum	3,702913	4,24247	4,573787	1,43155	17,16267	0,102575	2,159417	0,102575	1,4254	1,845763	0,3136543	0,037829
Mean	0,528988	0,606067	0,653398	0,204507	2,451809	0,014654	0,308488	0,014654	0,2036286	0,2636804	0,0448078	0,005404
Standard error	0,083834	0,075306	0,072391	0,066368	1,528816	0,005658	0,080633	0,005658	0,04350522	0,06816277	0,0128762	0,000805
Variance	0,049197	0,039697	0,036683	0,030833	16,36096	0,000224	0,045511	0,000224	0,01324893	0,03252314	0,0011606	4,54E-06
Standard deviation	0,221805	0,199242	0,191527	0,175593	4,044868	0,01497	0,213334	0,01497	0,115104	0,1803417	0,0340671	0,00213
Median	0,599128	0,664159	0,706816	0,139375	0,918526	0,010589	0,254801	0,010589	0,1715193	0,2230447	0,0317559	0,005752
25 percentile	0,29378	0,477797	0,57543	0,118061	0,669469	0,006953	0,186	0,006953	0,1386529	0,1625291	0,023471	0,003203
75 percentile	0,722147	0,766856	0,784039	0,195978	1,645496	0,014155	0,302343	0,014155	0,2076586	0,2431744	0,0591683	0,007484
Skewness	-1,02057	-1,56552	-1,86516	2,478245	2,599102	2,415754	2,351452	2,415754	2,197082	2,383561	1,964655	-0,576614
Kurtosis	-0,24284	2,209968	3,638169	6,308569	6,807068	6,065966	5,863037	6,065966	5,312096	6,00652	3,899409	-0,790551
Geometric mean	0,470722	0,564072	0,617524	0,167782	1,243529	0,010972	0,268078	0,010972	0,1840528	0,2301229	0,0371834	0,00495
Coefficient of variation	41,93009	32,87457	29,3125	85,86148	164,9748	102,1616	69,15453	102,1616	56,52644	68,39405	76,0295	39,41985

<i>Gazella bouvrinae</i>	Spc (pruning = 5.00%) <1/μm>	S10z (pruning = 5.00%) <μm>	S5p (pruning = 5.00%) <μm>	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm <sup>2</sup> >	Sdv (pruning = 5.00%) <μm <sup>3</sup> >	Svd (pruning = 5.00%) <1/μm <sup>2</sup> >	Svc (pruning = 5.00%) <1/μm>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>
N	31	31	31	31	31	31	31	31	31	31	31	31	31
Min	0,245203	1,052723	0,364665	0,669758	71,25975	0,777119	0,002255	-3,2982	0,144852	0,079968	0,155409	7,894443	81,39509
Max	1,320929	6,287244	1,857107	4,452413	280,7418	16,61348	0,012484	-0,28082	0,573016	0,548241	0,700339	15,73594	89,84977
Sum	17,16796	68,27432	24,97597	43,29835	5119,353	94,01725	0,206154	-24,5264	10,20123	5,686679	9,716621	310,0841	2625,274
Mean	0,553805	2,202398	0,805677	1,396721	165,1404	3,032815	0,00665	-0,79117	0,329072	0,183441	0,313439	10,00271	84,68627
Standard error	0,040056	0,185141	0,066684	0,126527	9,71137	0,528779	0,00043	0,104089	0,017553	0,017394	0,021424	0,268706	0,339441
Variance	0,04974	1,062587	0,137849	0,496277	2923,632	8,667824	5,73E-06	0,33587	0,009551	0,009379	0,014229	2,238288	3,571817
Standard deviation	0,223024	1,030818	0,37128	0,70447	54,07062	2,944117	0,002394	0,579543	0,09773	0,096843	0,119285	1,496091	1,889925
Median	0,500046	1,937619	0,664869	1,239924	159,4516	2,372813	0,006453	-0,58595	0,327662	0,16064	0,297233	9,754911	84,26552
25 percentile	0,408092	1,501237	0,59038	0,974919	117,5535	1,45767	0,005131	-0,92442	0,262246	0,114404	0,224873	8,989075	83,45232
75 percentile	0,628507	2,387417	0,938367	1,500761	200,808	3,572352	0,008595	-0,48589	0,408351	0,222047	0,381361	10,64095	86,09086
Skewness	1,974356	2,425421	1,615691	2,939093	0,397673	3,54154	0,509232	-3,00409	0,313614	2,040664	1,376195	1,909468	0,67318
Kurtosis	4,861783	7,589723	2,402142	11,49522	-0,36633	15,39784	0,151938	11,43095	-0,03284	5,675595	2,826068	6,236523	0,269816
Geometric mean	0,520187	2,039772	0,740967	1,285386	156,4054	2,338246	0,00622	0	0,31449	0,165167	0,294388	9,907398	84,66604
Coefficient of variation	40,27112	46,80438	46,08301	50,43739	32,74221	97,0754	35,99841	-73,2511	29,69874	52,79255	38,05672	14,95685	2,231678

<i>Eucladoceros tegulensis</i>	Spc	S10z	S5p	S5v	Sda	Sdv	Svd	Svc	Sk	Spk	Svk	Smr1	Smr2
N	7	7	7	7	7	7	7	7	7	7	7	7	7
Min	0,320789	1,304685	0,425334	0,723917	120,0721	1,171358	0,003726	-3,95355	0,285239	0,095958	0,187524	8,102256	79,99611
Max	1,13631	8,634775	3,718355	4,91642	256,353	8,414321	0,007778	-0,30197	1,102741	0,911846	1,207013	12,62739	86,78868
Sum	3,581673	21,17114	8,64209	12,52905	1219,289	29,66739	0,043074	-7,78248	3,532198	2,003282	3,167562	68,84289	595,9209
Mean	0,511668	3,024449	1,234584	1,789865	174,1841	4,238198	0,006153	-1,11178	0,5046	0,286183	0,452509	9,834698	85,13156
Standard error	0,107913	0,96179	0,424622	0,547669	19,69792	1,116367	0,000671	0,490061	0,103204	0,106951	0,135583	0,678146	0,923025
Variance	0,081516	6,475283	1,262127	2,099588	2716,057	8,723929	3,15E-06	1,681118	0,074557	0,080069	0,12868	3,219172	5,96382
Standard deviation	0,285511	2,544658	1,123444	1,448996	52,11581	2,95363	0,001776	1,296579	0,273051	0,282965	0,35872	1,794205	2,442093
Median	0,40608	2,20032	0,904485	1,284503	146,1662	2,942513	0,007288	-0,64719	0,426033	0,215362	0,312066	8,798502	86,28911
25 percentile	0,343051	1,607262	0,591277	0,879351	137,3189	2,043854	0,003922	-1,26361	0,344564	0,139021	0,222441	8,497361	84,05306
75 percentile	0,553993	3,190733	1,203476	1,987257	227,9068	8,184183	0,007484	-0,38728	0,497031	0,282939	0,591617	11,93037	86,56737
Skewness	2,291771	2,357149	2,372081	2,152392	0,727771	0,78369	-0,641802	-2,30694	2,270696	2,379226	1,979209	0,849995	-2,00634
Kurtosis	5,468323	5,792156	5,936056	4,964718	-1,18544	-1,27718	-1,891274	5,537674	5,603683	5,920787	4,009638	-1,12861	3,959456
Geometric mean	0,465486	2,473234	0,972635	1,459954	167,9292	3,400451	0,005904	0	0,460618	0,216925	0,369407	9,702554	85,10068
Coefficient of variation	55,80001	84,13625	90,99779	80,9556	29,91995	69,6907	28,8591	-116,622	54,11246	98,87544	79,27359	18,24362	2,868611

<b><i>Croizetoceros ramosus gerakarensis</i></b>	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax)/ epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (H36)	HAsfc81 (H81)	Ctfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ftv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
N	33	33	33	33	33	33	33	33	33	33	33	33
Min	0,6397282	0,9929973	0,224203	0,0004109	0,123154	0,259366	0,359058	8527,078	29818,86	0,008737	0,01105244	0,001786
Max	3,262728	0,9988969	132,5008	0,0099902	1,180761	1,364798	1,590027	60766,67	83981,49	0,605901	1,518753	1,630648
Sum	46,88221	32,92236	183,5432	0,1896008	12,12005	17,40578	21,57346	1350578	2037358	7,337639	12,34188	9,413109
Mean	1,420673	0,9976473	5,561916	0,0057455	0,367274	0,527448	0,653741	40926,61	61738,13	0,222353	0,3739963	0,285246
Standard error	0,1177961	0,0002106	3,975062	0,0004482	0,037091	0,042662	0,044271	2279,323	2349,313	0,022522	0,05548095	0,065433
Variance	0,4579053	1,46E-06	521,4369	6,63E-06	0,0454	0,060061	0,064676	1,71E+08	1,82E+08	0,016739	0,1015785	0,141287
Standard deviation	0,676687	0,0012098	22,83499	0,0025748	0,213073	0,245073	0,254316	13093,71	13495,77	0,129381	0,3187138	0,375882
Median	1,147777	0,997933	1,429857	0,006298	0,317978	0,474857	0,622808	43475,74	65553,96	0,194077	0,3173964	0,170505
25 percentile	0,9205576	0,9973812	0,518631	0,0034653	0,225456	0,380744	0,474039	35406,06	56992,37	0,141634	0,1357702	0,059985
75 percentile	1,808053	0,9984326	2,158261	0,0077285	0,421964	0,613109	0,734097	50023,51	69897,44	0,272286	0,4700662	0,295935
Skewness	1,092683	-2,196915	5,707287	-0,387551	2,174564	2,056936	2,040877	-0,948393	-0,958983	1,242855	1,880721	2,300505
Kurtosis	0,7613391	6,012713	32,70121	-0,787987	6,110675	4,751707	5,387707	0,4018999	0,3496351	1,999609	4,575982	5,209692
Geometric mean	1,285064	0,9976466	1,254803	0,0048788	0,324387	0,487103	0,617022	37904,51	59990,59	0,182348	0,247603	0,124588
Coefficient of variation	47,63144	0,1212637	410,5598	44,81372	58,0147	46,46387	38,90158	31,99315	21,85971	58,18733	85,21842	131,7747

<b><i>Equus altidens</i></b>	Asfc	R <sup>2</sup>	Smfc	epLsar	H9	H36	H81	Tfv2	Tfv02	Disp-Asfc	Disp-epLsar	Disp-Tfv2
N	14	14	14	14	14	14	14	14	14	14	14	14
Min	0,596597	0,996909	0,275453	0,0007968	0,182505	0,267604	0,347178	30755,12	54955,4	0,049618	0,0848428	0
Max	3,193611	0,9989328	4,002406	0,0047413	0,508753	0,684776	0,961636	53105,89	72603,75	0,704105	0,854214	0,472201
Sum	21,3295	13,97544	18,57913	0,0413301	4,284895	5,821948	7,835185	588130,5	883511,9	3,612739	4,620526	2,045499
Mean	1,523535	0,9982459	1,327081	0,0029522	0,306064	0,415853	0,559656	42009,32	63107,99	0,258053	0,3300375	0,146107
Standard error	0,235075	0,0001617	0,239734	0,0003401	0,024898	0,030007	0,045348	1646,808	1325,497	0,063008	0,06665704	0,037033
Variance	0,7736437	3,66E-07	0,804611	1,62E-06	0,008679	0,012606	0,02879	3,80E+07	2,46E+07	0,05558	0,06220426	0,0192
Standard deviation	0,8795702	0,0006051	0,897001	0,0012725	0,093159	0,112276	0,169677	6161,791	4959,555	0,235753	0,2494078	0,138565
Median	1,185505	0,9984595	1,108645	0,003224	0,280838	0,39332	0,504676	42703,36	63595,04	0,146544	0,2602657	0,083186
25 percentile	0,9069133	0,9977488	0,828672	0,0020453	0,242375	0,338239	0,426002	39221,98	59824,55	0,086446	0,1309379	0,038016
75 percentile	2,330106	0,9987584	1,766042	0,0039376	0,365518	0,491645	0,670891	44871,26	65255,63	0,472943	0,4199532	0,236583
Skewness	1,117774	-0,915267	2,159291	-0,46477	0,816136	1,100932	1,151736	-0,322357	0,00085008	1,118131	1,258751	1,130508
Kurtosis	-0,1601604	0,0417295	6,204819	-0,933379	0,287177	1,192694	1,075084	0,1635697	0,07996385	-0,23464	0,5982506	0,728066
Geometric mean	1,329136	0,9982457	1,110913	0,0026087	0,293734	0,403144	0,538489	41568,43	62925,93	0,176064	0,2569465	0
Coefficient of variation	57,73217	0,0606114	67,59204	43,10303	30,43764	26,99885	30,31799	14,66767	7,858838	91,35861	75,56953	94,83775

<b><i>Croizetoceros ramosus gerakarensis</i></b>	Sq <μm>	Ssk <no unit>	Sku <no unit>	Sp<μm>	Sv<μm>	Sz<μm>	Sa<μm>	Smr (c = 1.00 μm below highest peak) <μm>	Smc (p = 10.0%) <μm>	Sxp (p = 50.0%, q = 97.5%) <μm>	Sal (s = 0.300) <μm>	Sal #1 (s = 0.400) <μm>	Sal #2 (s = 0.500) <μm>
N	33	33	33	33	33	33	33	33	33	33	33	33	33
Min	0,092199	-2,70539	3,900672	0,290862	0,600791	1,124761	0,063648	10,17925	0,086983	0,202942	2,858916	2,330085	1,859211
Max	0,24332	-0,07924	18,84998	1,262556	2,109878	3,140527	0,175986	99,99508	0,264979	0,565653	4,642049	3,973206	3,35578
Sum	5,178117	-34,2216	244,5802	23,1283	41,84587	64,97417	3,774331	2779,672	5,512094	12,80802	125,5075	106,8462	89,98568
Mean	0,156913	-1,03702	7,41152	0,700858	1,268057	1,968914	0,114374	84,23247	0,167033	0,388122	3,803257	3,237765	2,726839
Standard error	0,006756	0,114861	0,653982	0,040286	0,079163	0,094801	0,005117	4,636733	0,007887	0,016587	0,088569	0,076775	0,06578
Variance	0,001506	0,435374	14,11383	0,053557	0,206805	0,296579	0,000864	709,4766	0,002053	0,009079	0,258866	0,194515	0,142792
Standard deviation	0,038812	0,659829	3,756838	0,231424	0,454759	0,544591	0,029394	26,636	0,045306	0,095284	0,508789	0,441039	0,377878
Median	0,152038	-0,95578	6,118707	0,666442	1,112221	1,960649	0,109985	95,93661	0,168308	0,380986	3,863928	3,270155	2,773773
25 percentile	0,129288	-1,3709	4,922653	0,535452	0,88922	1,441006	0,089752	86,80205	0,130302	0,313533	3,338574	2,842904	2,40571
75 percentile	0,188708	-0,48513	8,275966	0,812464	1,675492	2,412446	0,139011	99,30325	0,200066	0,472423	4,260013	3,63564	3,033387
Skewness	0,257951	-0,79615	1,75435	0,697102	0,528894	0,183172	0,254026	-1,945954	0,311224	0,011634	-0,23782	-0,34752	-0,44293
Kurtosis	-0,51741	0,142353	2,521802	0,173894	-1,09466	-0,83791	-0,70175	2,359219	-0,60728	-0,89127	-0,77939	-0,61587	-0,36042
Geometric mean	0,15219	0	6,739058	0,664951	1,192507	1,893947	0,110662	75,96497	0,161024	0,376217	3,769083	3,207242	2,699912
Coefficient of variation	24,73474	-63,6276	50,68917	33,02008	35,86264	27,65943	25,69973	31,62201	27,12379	24,55008	13,37772	13,62171	13,85773

<b><i>Equus altidens</i></b>	Sq	Ssk	Sku	Sp	Sv	Sz	Sa	Smr	Smc	Sxp	Sal	Sal #1	Sal #2
N	14	14	14	14	14	14	14	14	14	14	14	14	14
Min	0,104848	-2,53999	3,691761	0,40889	0,772355	1,195305	0,082243	49,33438	0,1268	0,224647	2,929065	2,532944	2,158936
Max	0,248449	0,018651	20,5469	1,036306	2,492216	3,477876	0,182511	99,99562	0,271861	0,61484	4,651167	3,846305	3,134285
Sum	2,264575	-10,796	91,01388	10,05079	19,54044	29,8608	1,669379	1205,56	2,490713	5,327246	55,01189	46,54997	38,87514
Mean	0,161755	-0,77114	6,500991	0,717914	1,395745	2,132914	0,119241	86,1114	0,177908	0,380518	3,929421	3,324998	2,776796
Standard error	0,012248	0,171804	1,1223	0,056207	0,165863	0,211297	0,008478	4,804315	0,01163	0,035244	0,123596	0,095219	0,072027
Variance	0,0021	0,41323	17,6338	0,044229	0,385149	0,625049	0,001006	323,1403	0,001893	0,01739	0,213862	0,126934	0,07263
Standard deviation	0,045827	0,64283	4,199262	0,210306	0,620604	0,7906	0,031723	17,9761	0,043514	0,131873	0,462452	0,356278	0,2695
Median	0,1474	-0,66073	5,101712	0,702203	1,1375	1,860894	0,110638	95,37733	0,169229	0,335874	3,918453	3,324579	2,787772
25 percentile	0,126746	-1,07126	4,737463	0,56955	0,90396	1,514924	0,094906	66,972	0,147172	0,286664	3,636983	3,089642	2,597717
75 percentile	0,195841	-0,26235	6,643093	0,940769	2,006633	2,982705	0,136989	98,7858	0,202084	0,476949	4,31858	3,61758	3,002654
Skewness	0,901754	-1,5929	3,287335	0,006191	0,891907	0,805222	1,058339	-1,149745	1,053765	0,954416	-0,39649	-0,50228	-0,67152
Kurtosis	-0,38881	3,71655	11,53273	-0,91009	-0,80046	-0,87474	0,045296	-0,3263708	0,349478	-0,43167	0,3058	0,50805	0,692718
Geometric mean	0,156278	0	5,846025	0,687423	1,283488	2,009695	0,11574	84,03629	0,173444	0,361666	3,903048	3,306463	2,764042
Coefficient of variation	28,33111	-83,361	64,59417	29,294	44,46395	37,06667	26,6042	20,8754	24,45847	34,65611	11,76897	10,71514	9,705428

<b><i>Croizetoceros ramosus gerakarensis</i></b>	Str (s = 0.300) <no unit>	Str #1 (s = 0.400) <no unit>	Str #2 (s = 0.500) <no unit>	Sdq <no unit>	Sdr <%>	Vm (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vv (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vmp (p = 10.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vmc (p = 10.0%, q = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vvc (p = 10.0%, q = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Vvv (p = 80.0%) <μm <sup>3</sup> /μm <sup>2</sup> >	Spd (pruning = 5.00%) <1/μm <sup>2</sup> >
N	33	33	33	33	33	33	33	33	33	33	33	33
Min	0,107543	0,138051	0,202057	0,075697	0,283931	0,003294	0,090277	0,003294	0,0632655	0,0724803	0,0126583	0,002418
Max	0,855756	0,878699	0,893557	0,164215	1,212987	0,013195	0,278174	0,013195	0,1868967	0,2420993	0,0372444	0,010131
Sum	12,49772	14,32713	16,08628	3,771051	21,37517	0,235221	5,747311	0,235221	3,989948	4,896401	0,8509101	0,196219
Mean	0,378719	0,434155	0,487463	0,114274	0,647732	0,007128	0,174161	0,007128	0,1209075	0,1483758	0,0257852	0,005946
Standard error	0,03895	0,036829	0,033847	0,004195	0,044473	0,000455	0,008256	0,000455	0,005822126	0,00743817	0,0011252	0,000374
Variance	0,050064	0,044761	0,037806	0,000581	0,06527	6,83E-06	0,00225	6,83E-06	0,001118606	0,00182577	4,18E-05	4,62E-06
Standard deviation	0,223749	0,211568	0,194439	0,024099	0,255479	0,002613	0,04743	0,002613	0,03344557	0,04272905	0,0064638	0,002149
Median	0,305082	0,390041	0,4685	0,114339	0,628124	0,006789	0,175521	0,006789	0,1178442	0,1494683	0,0257062	0,00585
25 percentile	0,158391	0,253363	0,327153	0,095623	0,448791	0,004989	0,136623	0,004989	0,09152609	0,1165024	0,0208807	0,004069
75 percentile	0,584328	0,631104	0,668763	0,132226	0,837975	0,009004	0,207729	0,009004	0,1460704	0,1745871	0,0313393	0,007991
Skewness	0,363925	0,223146	0,085835	0,402885	0,607966	0,653538	0,325984	0,653538	0,2446785	0,32786	-0,022153	0,200315
Kurtosis	-1,21305	-1,17974	-1,08162	-0,66659	-0,48024	-0,182712	-0,53952	-0,182712	-0,8266692	-0,4432047	-0,753508	-0,805723
Geometric mean	0,311073	0,379784	0,446206	0,111857	0,600602	0,006681	0,167849	0,006681	0,116349	0,1423206	0,0249495	0,005544
Coefficient of variation	59,08047	48,73087	39,8879	21,08915	39,4421	36,65779	27,23331	36,65779	27,6621	28,79786	25,068	36,14812

<b><i>Equus altidens</i></b>	Str	Str #1	Str #2	Sdq	Sdr	Vm	Vv	Vmp	Vmc	Vvc	Vvv	Spd
N	14	14	14	14	14	14	14	14	14	14	14	14
Min	0,296479	0,366919	0,429706	0,075661	0,281941	0,004691	0,131491	0,004691	0,09279555	0,1171879	0,0135289	0,003791
Max	0,908513	0,925769	0,908641	0,19984	1,791082	0,011706	0,283567	0,011706	0,1962555	0,2441915	0,0407151	0,01018
Sum	8,983458	9,73456	10,12847	1,756588	11,22152	0,105168	2,594965	0,105168	1,790984	2,252383	0,3494439	0,103617
Mean	0,641676	0,695326	0,723462	0,125471	0,801537	0,007512	0,185355	0,007512	0,1279274	0,1608845	0,0249603	0,007401
Standard error	0,052453	0,044373	0,037803	0,010761	0,133195	0,00053	0,012095	0,00053	0,008781528	0,00991554	0,0024947	0,000528
Variance	0,038519	0,027566	0,020007	0,001621	0,248372	3,93E-06	0,002048	3,93E-06	0,001079613	0,00137645	8,71E-05	3,90E-06
Standard deviation	0,196261	0,16603	0,141445	0,040263	0,498369	0,001982	0,045255	0,001982	0,03285747	0,03710054	0,0093343	0,001975
Median	0,625267	0,712148	0,75706	0,110964	0,596016	0,007469	0,176074	0,007469	0,1185224	0,1544763	0,021238	0,007819
25 percentile	0,513387	0,596718	0,625055	0,096359	0,456779	0,00602	0,153452	0,00602	0,104721	0,1354912	0,0184181	0,00594
75 percentile	0,804955	0,810484	0,815032	0,16591	1,211111	0,009173	0,209948	0,009173	0,1482828	0,18081	0,0347951	0,009057
Skewness	-0,2184	-0,51058	-0,73659	0,93473	1,182568	0,411703	1,042576	0,411703	1,130669	1,006092	0,7983815	-0,537089
Kurtosis	-0,76277	-0,25409	-0,07082	-0,50338	-0,00108	0,123957	0,382543	0,123957	0,2409153	0,5850411	-0,825109	-0,727421
Geometric mean	0,61018	0,674373	0,708947	0,120106	0,685455	0,007269	0,180709	0,007269	0,1244526	0,1572467	0,023485	0,007118
Coefficient of variation	30,58576	23,87798	19,55107	32,08939	62,17665	26,38708	24,4156	26,38708	25,68446	23,06036	37,39662	26,67865

<b><i>Croizetoceros ramosus gerakarensis</i></b>	Spc (pruning = 5.00%) <1/μm>	S10z (pruning = 5.00%) <μm>	S5p (pruning = 5.00%) <μm>	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm <sup>2</sup> >	Sdv (pruning = 5.00%) <μm <sup>3</sup> >	Svd (pruning = 5.00%) <1/μm <sup>2</sup> >	Svc (pruning = 5.00%) <1/μm>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>
N	33	33	33	33	33	33	33	33	33	33	33	33	33
Min	0,187755	0,945827	0,275587	0,535757	67,44104	0,704048	0,002615	-1,39172	0,153159	0,066526	0,121382	6,695853	79,80089
Max	0,895713	2,878528	1,163626	1,779852	323,2399	5,113713	0,014445	-0,22565	0,478746	0,264479	0,369427	13,24493	87,90268
Sum	12,38127	54,16739	19,63433	34,53306	5059,123	65,6005	0,242807	-16,852	9,939624	4,678672	8,522209	318,6848	2783,779
Mean	0,37519	1,641436	0,59498	1,046456	153,3068	1,987894	0,007358	-0,51067	0,301201	0,141778	0,258249	9,657115	84,35695
Standard error	0,027037	0,075849	0,03323	0,055594	9,43819	0,188703	0,000436	0,048851	0,014918	0,009222	0,011371	0,265564	0,367713
Variance	0,024122	0,189854	0,03644	0,101991	2939,621	1,175086	6,28E-06	0,07875	0,007344	0,002806	0,004267	2,327293	4,462014
Standard deviation	0,155314	0,435722	0,190893	0,319361	54,21827	1,084014	0,002506	0,280625	0,085699	0,052974	0,065322	1,525547	2,112348
Median	0,322926	1,627374	0,554871	0,980439	148,9571	1,922722	0,006863	-0,41199	0,288215	0,132746	0,251864	9,42726	84,29013
25 percentile	0,261936	1,250181	0,473143	0,762954	112,9952	1,043335	0,00585	-0,59765	0,236907	0,099967	0,214098	8,37442	82,89414
75 percentile	0,448	1,904022	0,711318	1,242572	174,497	2,552223	0,008791	-0,32977	0,368653	0,183062	0,311352	10,86406	86,23189
Skewness	1,505542	0,694496	1,109303	0,588564	1,207976	1,351221	0,823472	-1,68548	0,233135	0,646694	-0,02317	0,300008	-0,16916
Kurtosis	2,620186	0,671152	1,620451	-0,38888	2,186885	2,019261	1,287479	2,658498	-0,79172	-0,25567	-0,68953	-0,11157	-0,60112
Geometric mean	0,349806	1,587517	0,568056	1,001008	144,9368	1,745866	0,006951	0	0,289107	0,132548	0,249683	9,540759	84,33122
Coefficient of variation	41,39611	26,54516	32,08387	30,51833	35,36587	54,53077	34,05377	-54,9527	28,45241	37,36406	25,29439	15,79713	2,504059

<b><i>Equus altidens</i></b>	Spc	S10z	S5p	S5v	Sda	Sdv	Svd	Svc	Sk	Spk	Svk	Smr1	Smr2
N	14	14	14	14	14	14	14	14	14	14	14	14	14
Min	0,180279	0,997916	0,369811	0,628105	96,3599	1,059595	0,004804	-0,92076	0,243046	0,092273	0,123971	7,969221	83,91772
Max	0,504648	2,722316	0,874741	1,900028	198,1773	4,0788	0,010883	-0,18926	0,480518	0,235316	0,409285	11,20756	90,37297
Sum	4,848373	24,2252	8,814933	15,30353	1977,225	29,03329	0,10494	-6,77708	4,704265	2,099352	3,513795	133,7213	1210,946
Mean	0,346312	1,730371	0,629638	1,093109	141,2303	2,073806	0,007496	-0,48408	0,336019	0,149954	0,250985	9,551523	86,49616
Standard error	0,027418	0,159495	0,046702	0,117722	8,180773	0,265634	0,000475	0,053709	0,019717	0,01077	0,026348	0,246885	0,540406
Variance	0,010524	0,356141	0,030536	0,19402	936,9507	0,987862	3,15E-06	0,040385	0,005443	0,001624	0,009719	0,853332	4,08854
Standard deviation	0,102587	0,596775	0,174745	0,440477	30,60965	0,993913	0,001776	0,200961	0,073775	0,040297	0,098585	0,92376	2,022014
Median	0,334365	1,514444	0,593529	0,899451	142,9947	1,745646	0,007067	-0,43193	0,323293	0,150345	0,210646	9,343974	86,60973
25 percentile	0,267987	1,260254	0,5323	0,788581	116,4447	1,356235	0,006103	-0,64865	0,275971	0,119755	0,19218	8,791484	84,47971
75 percentile	0,440084	2,487255	0,832574	1,617393	155,8715	2,610767	0,00891	-0,35433	0,381123	0,183712	0,368396	10,45917	88,23623
Skewness	0,185481	0,786004	0,099007	0,955819	0,603785	1,118423	0,314704	-0,79954	0,866727	0,3893	0,704944	0,280228	0,300061
Kurtosis	-0,97122	-0,97962	-0,97179	-0,76632	-0,15925	-0,01748	-0,730069	0,184157	-0,07987	0,142973	-0,94968	-0,73133	-0,93383
Geometric mean	0,331742	1,643384	0,606198	1,021664	138,2632	1,888079	0,007301	0	0,329032	0,144893	0,234225	9,510399	86,47429
Coefficient of variation	29,6228	34,48828	27,7532	40,29577	21,67356	47,92697	23,69257	-41,5141	21,95565	26,87281	39,27908	9,671333	2,337692

Type	Locality	Family	Taxa	Direction	Molar	Orientation	Facet	an's Filena	Selection [0=not used/1=used in statistics/ 2=used its median]	Specimen	Table correspond.
Fossil	Gerakarou	Suidae	<i>Sus strozzi</i>	Upper	UM2	dex	f3	Zinv-GER	0	GER-51	365
				Upper	UM2	dex	f6	Zinv-GER	0	GER-51	366
				Upper	UM2	dex	f9	Zinv-GER	0	GER-51	367
				Upper	UM3	dex	f3	Zinv-GER	0	GER-51	368
				Upper	UM3	dex	f6	Zinv-GER	0	GER-51	369
				Upper	UM3	dex	f9	Zinv-GER	0	GER-51	370

Table correspond.	Scale Sensitive Fractal Analyses (SSFA)						Volume Scale - Filling 3D Square			Disparities of parameters		
	Fractal complexity (Asfc)	Reg. coefficient R <sup>2</sup>	Scale of max complexity (Smfc)	Length-scale anisotropy (Sfrax) /epLsar	HAsfc9 (H9)	Heterogeneity of Asfc (HAsfc36/H36)	HAsfc81 (H81)	Cfv Scale: 2 μm <sup>2</sup> / Tfv2 (μm <sup>3</sup> )	Ffv Scale: 0.2 μm <sup>2</sup> / Tfv02 (μm <sup>3</sup> )	Disparity Asfc	Disparity epLsar	Disparity Tfv2
365	1,200063	0,997254	2,158261	0,002447	0,308155	0,389180	0,466357	48801,487	62542,670	0,022400	0,297076	0,035089
366	1,216078	0,997232	2,158261	0,003810	0,213673	0,282012	0,383676	46737,387	67120,301	0,015147	0,035944	0,008126
367	1,284239	0,998396	2,158261	0,002915	0,229671	0,352861	0,421119	37013,115	56965,685	0,015147	0,169894	0,241393
368	1,048763	0,997138	2,158261	0,006966	0,302512	0,353439	0,456308	40493,095	58266,223	0,093650	0,540522	0,151536
369	1,840713	0,998562	1,163823	0,006642	0,163839	0,325295	0,468746	47503,213	68912,251	0,233169	0,498922	0,008126
370	2,827388	0,998897	1,163823	0,003476	0,257187	0,436183	0,532236	54681,586	75813,575	0,531297	0,035944	0,148853

Surface Texture Analysis (STA) [ ISO 25178-2 ]															
Table correspond.	$S_q$ < $\mu\text{m}$ >	$S_{sk}$ <no unit>	$S_{ku}$ <no unit>	$S_p$ < $\mu\text{m}$ >	$S_v$ < $\mu\text{m}$ >	$S_z$ < $\mu\text{m}$ >	$S_a$ < $\mu\text{m}$ >	$S_{mr}$ (c = 1.00 $\mu\text{m}$ below highest peak <%>	$S_{mc}$ (p = 10.0%) < $\mu\text{m}$ >	$S_{xp}$ (p = 50.0%, q = 97.5%) < $\mu\text{m}$ >	$S_{al}$ (s = 0.300) < $\mu\text{m}$ >	$S_{al \#1}$ (s = 0.400) < $\mu\text{m}$ >	$S_{al \#2}$ (s = 0.500) < $\mu\text{m}$ >	$S_{tr}$ (s = 0.300) <no unit>	$S_{tr \#1}$ (s = 0.400) <no unit>
365	0,14862	-0,97345	8,07100	0,74318	1,98803	2,73121	0,11162	95,28438	0,16736	0,33696	3,99144	3,37485	2,81505	0,71131	0,75224
366	0,13499	-0,84520	5,40339	0,46083	0,92824	1,38906	0,10173	99,63178	0,15092	0,31845	3,00735	2,60014	2,21618	0,28037	0,35699
367	0,16411	-0,84694	9,72463	2,10968	1,62672	3,73640	0,12213	0,01797	0,18238	0,36528	4,56374	3,86090	3,21976	0,64728	0,70814
368	0,13970	-0,79668	4,44602	0,50597	0,85025	1,35622	0,10583	99,59858	0,15759	0,35025	3,01765	2,59519	2,20487	0,23410	0,27051
369	0,18333	-0,96506	4,77499	0,74936	1,09950	1,84886	0,14079	91,20644	0,20393	0,47071	3,40716	2,94546	2,50848	0,16553	0,23590
370	0,25933	-1,18849	7,34078	1,05228	2,12786	3,18014	0,19225	46,03644	0,28173	0,62553	4,31297	3,66766	3,09311	0,31476	0,47545

Surface Texture Analysis (STA) [ ISO 25178-2 ]														
Table correspond.	$S_{tr \#2}$ (s = 0.500) <no unit>	$S_{td}$ (Reference angle = 0.00°)	$S_{dq}$ <no unit>	$S_{dr}$ <%>	$V_m$ (p = 10.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	$V_v$ (p = 10.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	$V_{mp}$ (p = 10.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	$V_{mc}$ (p = 10.0%, q = 80.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	$V_{vc}$ (p = 10.0%, q = 80.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	$V_{vv}$ (p = 80.0%) < $\mu\text{m}^3/\mu\text{m}^2$ >	$S_{pd}$ (pruning = 5.00%) <1/ $\mu\text{m}^2$ >	$S_{pc}$ (pruning = 5.00%) <1/ $\mu\text{m}$ >	$S_{10z}$ (pruning = 5.00%) < $\mu\text{m}$ >	$S_{5p}$ (pruning = 5.00%) < $\mu\text{m}$ >
365	0,78261	50,996	0,114930	0,615641	0,006191	0,173550	0,006191	0,121952	0,151623	0,021927	0,004183	0,334799	1,829347	0,621640
366	0,42341	77,745	0,107418	0,566405	0,005764	0,156682	0,005764	0,110658	0,135922	0,020760	0,011896	0,240173	1,286595	0,440041
367	0,73367	8,498	0,113595	0,619579	0,006775	0,189155	0,006775	0,134034	0,165185	0,023970	0,003007	0,352638	1,813791	0,866173
368	0,31051	93,240	0,101158	0,504433	0,005459	0,163051	0,005459	0,117110	0,140541	0,022510	0,008236	0,193686	1,210860	0,444449
369	0,28520	93,246	0,134598	0,876744	0,005476	0,209402	0,005476	0,156221	0,180193	0,029209	0,008922	0,295216	1,652127	0,587460
370	0,55241	129,003	0,180325	1,494843	0,010040	0,291771	0,010040	0,206707	0,250696	0,041075	0,005654	0,434353	2,775166	0,859023

Table correspond.	Surface Texture Analysis (STA) [ ISO 25178-2 ]												Spq <no unit>	Svq <no unit>	Smq <no unit>
	S5v (pruning = 5.00%) <μm>	Sda (pruning = 5.00%) <μm²>	Sha (pruning = 5.00%) <μm²>	Sdv (pruning = 5.00%) <μm³>	Shv (pruning = 5.00%) <μm³>	Svd (pruning = 5.00%) <1/μm²>	Svc (pruning = 5.00%) <1/μm>	Sk <μm>	Spk <μm>	Svk <μm>	Smr1 <%>	Smr2 <%>			
365	1,207707	239,902	286,23	3,924765	7,67297	0,004183	-0,554793	0,330992	0,122751	0,218624	8,541266	86,972318	0,12483	0,39167	95,65
366	0,846554	90,791	86,68	0,825474	1,13456	0,011177	-0,284455	0,290590	0,114038	0,205132	8,840672	85,762876	0,12193	0,37806	96,77
367	0,947618	448,577	351,19	9,061943	9,66255	0,002418	-0,433465	0,365401	0,132854	0,237701	8,269018	86,980646	0,13928	0,68526	98,21
368	0,766410	113,963	122,70	0,923495	1,68087	0,009118	-0,271165	0,286373	0,108212	0,219660	9,620294	83,798363	0,11287	0,22464	79,40
369	1,064667	81,492	114,26	0,915433	1,82790	0,011602	-0,395931	0,419830	0,103128	0,293785	5,993000	86,152532	0,12143	0,33904	78,22
370	1,916143	172,289	170,57	3,968242	4,45261	0,006111	-0,755981	0,548583	0,195817	0,418763	8,242244	85,974751	0,20745	0,87661	96,24

## B2. Dunn's post hoc test



Asfc	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT							7,96E-08				
BB					0,7923		0,3115		0,5079		
RR							0,007297				
OA							0,2085				
CE		0,7923					2,96E-06				
CC							0,1255				
AA	7,96E-08	0,3115	0,007297	0,2085	2,96E-06	0,1255		0,05736	4,34E-08		0,00041
GB							0,05736		0,6148		
CG		0,5079					4,34E-08	0,6148			
ET											
EA							0,00041				

epLsar	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,04741		0,6102			5,89E-08				0,1205
BB	0,04741				0,01283	0,01364			0,009378		
RR							0,02772				
OA	0,6102				0,1453	0,1385	0,9837		0,1479		
CE		0,01283		0,1453			2,94E-07				0,02966
CC		0,01364		0,1385			7,41E-07				0,0285
AA	5,89E-08		0,02772	0,9837	2,94E-07	7,41E-07		0,0003535	1,19E-08	0,4747	
GB							0,0003535				
CG		0,009378					1,19E-08				0,02997
ET							0,4747				
EA	0,1205				0,02966	0,0285			0,02997		

H9	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT							0,01345				
BB											0,682
RR							0,07425				
OA					0,7481		0,009239				
CE				0,7481					0,6871		0,3332
CC							0,4148				
AA	0,01345		0,07425	0,009239		0,4148			0,002958		0,007085
GB											0,943
CG					0,6871		0,002958				
ET											
EA		0,682			0,3332		0,007085	0,943			



H36	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT							1,87E-05				
BB				0,3538					0,4212		0,01763
RR							0,008317				
OA		0,3538					1,13E-05	0,8848			
CE							0,7289				0,08275
CC							0,002657				
AA	1,87E-05			0,008317	1,13E-05	0,7289	0,002657		0,2105	1,85E-06	0,08785
GB				0,8848				0,2105			5,25E-07
CG		0,4212						1,85E-06			0,04544
ET								0,08785			
EA		0,01763				0,08275		5,25E-07	0,04544		

H81	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT							1,51E-06				
BB							0,4837		0,1506		0,03505
RR							0,01798				0,6781
OA							2,15E-05				
CE							0,04845				0,3757
CC							0,0007359				
AA	1,51E-06	0,4837	0,01798	2,15E-05	0,04845	0,0007359		0,001805	6,14E-09	0,06959	1,59E-07
GB							0,001805				0,4707
CG		0,1506						6,14E-09			
ET								0,06959			
EA		0,03505	0,6781		0,3757		1,59E-07	0,4707			

Tfv2	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT											
BB											
RR											
OA								0,4735			
CE											
CC											
AA								0,003433	0,02782	0,1878	0,5029
GB				0,4735			0,003433				
CG							0,02782				
ET								0,1878			
EA								0,5029			



Tfv02	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT								0,8009			
BB											
RR											
OA								0,3113	0,8724		
CE											
CC											
AA								0,002627	0,01343	0,2406	0,2557
GB	0,8009			0,3113				0,002627			
CG				0,8724				0,01343			
ET								0,2406			
EA								0,2557			

Disp Asfc	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT						0,2257	0,005717				
BB											
RR							0,6482				
OA											
CE						0,6787	0,1068				
CC	0,2257				0,6787						
AA	0,005717		0,6482		0,1068						
GB											
CG											
ET											
EA											

Disp Tfv2	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT							0,006812				
BB							0,2595				
RR							0,1069				
OA											
CE							0,6285				
CC											
AA	0,006812	0,2595	0,1069		0,6285			0,001254	0,06909		0,03142
GB							0,001254				
CG							0,06909				
ET											
EA							0,03142				



Disp Tf02	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT							0,00682				
BB							0,2595				
RR							0,069				
OA											
CE							0,6285				
CC											
AA	0,00682	0,2595	0,069		0,6285			0,00254	0,06909		0,0342
GB							0,00254				
CG							0,06909				
ET											
EA							0,0342				

Sq	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,001061			0,3626		3,02E-11	0,01422		0,02961	
BB	0,001061		0,3735	0,2021							
RR		0,3735					0,0001425			0,5191	
OA		0,2021					3,77E-05			0,3563	
CE	0,3626						0,1487				
CC							0,07979				
AA	3,02E-11		0,0001425	3,77E-05	0,1487	0,07979		0,2682	0,0008617		0,1349
GB	0,01422							0,2682			
CG								0,0008617			
ET	0,02961		0,5191	0,3563							
EA											0,1349

Skk	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT			0,3079				7,03E-09		0,5854		0,2006
BB							0,1376	0,03132	0,0006606	0,07208	0,0006076
RR	0,3079							0,006743	0,0001179	0,02524	0,0001328
OA							0,0792	0,0965	0,003044	0,1335	0,001954
CE							0,0004797		0,3311		0,1054
CC							0,0004281		0,9789		0,2798
AA	7,03E-09	0,1376		0,0792	0,0004797	0,0004281		1,12E-11	7,69E-16	7,10E-06	1,05E-11
GB		0,03132	0,006743	0,0965			1,12E-11				
CG	0,5854	0,0006606	0,0001179	0,003044	0,3311	0,9789	7,69E-16				
ET		0,07208	0,02524	0,1335			7,10E-06				
EA	0,2006	0,0006076	0,0001328	0,001954	0,1054	0,2798	1,05E-11				



Skv	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT			0,8623				8,21E-08		0,5158		0,2604
BB							0,1604	0,4502	0,001754	0,2741	0,002117
RR	0,8623						0,9709	0,1585	0,0004969	0,1274	0,0006851
OA							0,03647		0,01941	0,7336	0,01378
CE							4,31E-05				0,8458
CC							0,0005694				0,5879
AA	8,21E-08	0,1604	0,9709	0,03647	4,31E-05	0,0005694		1,19E-08	1,07E-14	7,87E-05	1,34E-10
GB		0,4502	0,1585				1,19E-08				
CG	0,5158	0,001754	0,0004969	0,01941			1,07E-14				
ET		0,2741	0,1274	0,7336			7,87E-05				
EA	0,2604	0,002117	0,0006851	0,01378	0,8458	0,5879	1,34E-10				

Sp	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,4715					2,95E-07	0,006248		0,1743	
BB	0,4715		0,07335	0,06167							
RR		0,07335				0,9322	4,36E-07	0,001261		0,03448	
OA		0,06167				0,8477	2,33E-07	0,0009249		0,03129	
CE							0,0008581	0,2105		0,5917	
CC			0,9322	0,8477			0,3965				
AA	2,95E-07		4,36E-07	2,33E-07	0,0008581	0,3965			0,002279		0,3947
GB	0,006248		0,001261	0,0009249	0,2105				0,7746		
CG							0,002279	0,7746			
ET	0,1743		0,03448	0,03129	0,5917						
EA							0,3947				

Sv	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,00352	0,2516				2,16E-13				
BB	0,00352				0,6427		0,6795	0,496	0,0003033		0,07187
RR	0,2516						0,03798		0,03352		0,9711
OA							0,0003142		0,7688		
CE		0,6427					7,49E-06				
CC							5,82E-05				
AA	2,16E-13	0,6795	0,03798	0,0003142	7,49E-06	5,82E-05		3,74E-07	1,89E-14	0,2537	1,06E-06
GB		0,496					3,74E-07				
CG		0,0003033	0,03352	0,7688			1,89E-14				
ET							0,2537				
EA		0,07187	0,9711				1,06E-06				



Sz	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,001491					1,11E-13				
BB	0,001491			0,464		0,321	0,9797		0,002467		0,194
RR							0,002245				
OA			0,464				5,69E-06				
CE			0,321				3,42E-06				
CC							0,0003253				
AA	1,11E-13	0,9797	0,002245	5,69E-06	3,42E-06	0,0003253		8,18E-05	4,72E-12		1,22E-05
GB							8,18E-05				
CG		0,002467					4,72E-12				
ET											
EA		0,194					1,22E-05				

Sa	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,006803			0,4198		4,08E-05	0,006209	0,3254	0,006703	0,7489
BB	0,006803		0,1261	0,3299							
RR		0,1261					0,01147	0,1581		0,03219	
OA		0,3299					0,03991	0,4259		0,06871	
CE	0,4198										
CC											
AA	4,08E-05		0,01147	0,03991							
GB	0,006209		0,1581	0,4259							
CG	0,3254										
ET	0,006703		0,03219	0,06871							
EA	0,7489										

Smr(c=1)	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,0147					2,11E-09	0,0007856		0,052	
BB	0,0147		0,08185	0,0641							
RR		0,08185					4,43E-06	0,01251		0,09344	
OA		0,0641					2,23E-06	0,008971		0,08172	
CE							0,003781	0,8925			
CC							0,228				
AA	2,11E-09		4,43E-06	2,23E-06	0,003781	0,228			0,002483		0,1978
GB	0,0007856		0,01251	0,008971	0,8925						
CG							0,002483				
ET	0,052		0,09344	0,08172							
EA							0,1978				

Scm(p=10)	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,08094					0,01411	0,006733	0,275	0,004514	0,2556
BB	0,08094		0,1685	0,5818							
RR		0,1685					0,07206	0,02944	0,5209	0,006488	0,3349
OA		0,5818					0,3183	0,1289		0,01948	0,9343
CE											
CC										0,7039	
AA	0,01411		0,07206	0,3183							
GB	0,006733		0,02944	0,1289							
CG	0,275		0,5209								
ET	0,004514		0,006488	0,01948		0,7039					
EA	0,2556		0,3349	0,9343							

Sxp	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,0003023			0,08328	0,4112	2,18E-09	0,01958		0,09296	
BB	0,0003023		0,07461	0,4135					0,9419		
RR		0,07461					0,0003401			0,7258	
OA		0,4135					0,004493				
CE	0,08328										
CC	0,4112										
AA	2,18E-09		0,0003401	0,004493					0,007207		0,0479
GB	0,01958										
CG		0,9419					0,007207				
ET	0,09296		0,7258								
EA							0,0479				

Sal	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,000115			0,004444		0,2823	5,17E-11	4,57E-09	7,62E-05	1,87E-06
BB	0,000115		0,07613	0,1743			0,7237				
RR		0,07613			0,5386			2,50E-05	0,0004341	0,00464	0,001541
OA		0,1743						8,28E-05	0,001319	0,009373	0,003787
CE	0,004444		0,5386								
CC								0,01359	0,1072	0,1101	0,1053
AA	0,2823	0,7237						0,0001233	0,003055	0,03555	0,01424
GB	5,17E-11		2,50E-05	8,28E-05		0,01359	0,0001233				
CG	4,57E-09		0,0004341	0,001319		0,1072	0,003055				
ET	7,62E-05		0,00464	0,009373		0,1101	0,03555				
EA	1,87E-06		0,001541	0,003787		0,1053	0,01424				

Sal#1	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,0001263			0,001658		0,211	3,53E-11	2,50E-09	6,18E-05	1,66E-06
BB	0,0001263		0,06796	0,09951			0,9452				
RR		0,06796			0,2575			1,52E-05	0,0002382	0,003431	0,001177
OA		0,09951			0,3643			2,42E-05	0,0003762	0,004786	0,001759
CE	0,001658		0,2575	0,3643							
CC								0,01108	0,08111	0,09457	0,09618
AA	0,211	0,9452						0,0001434	0,002972	0,03636	0,01681
GB	3,53E-11		1,52E-05	2,42E-05		0,01108	0,0001434				
CG	2,50E-09		0,0002382	0,0003762		0,08111	0,002972				
ET	6,18E-05		0,003431	0,004786		0,09457	0,03636				
EA	1,66E-06		0,001177	0,001759		0,09618	0,01681				

Sal#2	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,0001533			0,0007901		0,169	5,39E-11	2,16E-09	4,34E-05	2,90E-06
BB	0,0001533		0,06653	0,06768							
RR		0,06653			0,1441			1,57E-05	0,0001783	0,002316	0,00149
OA		0,06768			0,1482			1,38E-05	0,0001634	0,002387	0,001491
CE	0,0007901		0,1441	0,1482							
CC								0,01246	0,07233	0,07324	0,1223
AA	0,169							0,0002581	0,003551	0,03205	0,02931
GB	5,39E-11		1,57E-05	1,38E-05		0,01246	0,0002581				
CG	2,16E-09		0,0001783	0,0001634		0,07233	0,003551				
ET	4,34E-05		0,002316	0,002387		0,07324	0,03205				
EA	2,90E-06		0,00149	0,001491		0,1223	0,02931				

Str	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,000451		0,4074			1,71E-11	0,1364			0,0007782
BB	0,000451		0,1217		0,002732	0,002172			0,05849		
RR		0,1217					3,42E-05				0,06782
OA	0,4074				0,5821	0,4149	0,0773				
CE		0,002732		0,5821			5,04E-08	0,285			0,002326
CC		0,002172		0,4149			8,10E-08	0,2051			0,001757
AA	1,71E-11		3,42E-05	0,0773	5,04E-08	8,10E-08		0,02339	1,14E-06		
GB	0,1364				0,285	0,2051	0,02339				
CG		0,05849					1,14E-06				0,03964
ET											
EA	0,0007782		0,06782		0,002326	0,001757			0,03964		

Str#1	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,0002252					1,27E-11	0,09924		0,6372	0,0003499
BB	0,0002252		0,03514		0,001871	0,0008863			0,04504		
RR		0,03514					7,17E-06				0,01864
OA						0,8795	0,01441				
CE		0,001871					5,40E-08	0,2519		0,6582	0,001368
CC		0,0008863		0,8795			3,74E-08	0,1206		0,3803	0,0006516
AA	1,27E-11		7,17E-06	0,01441	5,40E-08	3,74E-08		0,02939	1,44E-06		
GB	0,09924				0,2519	0,1206	0,02939				
CG		0,04504					1,44E-06				0,02634
ET	0,6372				0,6582	0,3803					
EA	0,0003499		0,01864		0,001368	0,0006516			0,02634		

Str#2	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,0001405					4,69E-12	0,07167		0,3266	0,0002247
BB	0,0001405		0,01604		0,001364	0,0005793			0,05895		
RR		0,01604					1,78E-06				0,008801
OA							0,004724				0,6147
CE		0,001364					2,99E-08	0,2037		0,3622	0,0009856
CC		0,0005793					1,78E-08	0,0891		0,1939	0,000425
AA	4,69E-12		1,78E-06	0,004724	2,99E-08	1,78E-08		0,02687	2,22E-06		
GB	0,07167				0,2037	0,0891	0,02687				
CG		0,05895					2,22E-06				0,03188
ET	0,3266				0,3622	0,1939					
EA	0,0002247		0,008801	0,6147	0,0009856	0,000425			0,03188		

Sdq	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,04968					2,11E-09				
BB	0,04968				0,2794				0,02423		
RR							0,001171				
OA							0,008244				
CE		0,2794					8,19E-06				
CC							0,0081				
AA	2,11E-09		0,001171	0,008244	8,19E-06	0,0081		0,003185	3,25E-09		0,001031
GB							0,003185				
CG		0,02423					3,25E-09				
ET											
EA							0,001031				



Sdr	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,2563	0,2563				2,02E-08				
BB	0,2563				0,9546				0,195		
RR							0,001189				
OA							0,02647				
CE		0,9546					3,64E-05				
CC							0,0308				
AA	2,02E-08		0,001189	0,02647	3,64E-05	0,0308		0,02099	7,08E-08		0,004478
GB							0,02099				
CG		0,195					7,08E-08				
ET											
EA							0,004478				

Vm	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,3463					1,42E-09	0,002399	0,8177	0,09024	0,6507
BB	0,3463						0,2862				
RR							1,63E-05	0,07243		0,2643	
OA							1,10E-05	0,06395		0,2558	
CE							0,06935				
CC							0,1102				
AA	1,42E-09	0,2862	1,63E-05	1,10E-05	0,06935	0,1102			0,01311		
GB	0,002399		0,07243	0,06395							
CG	0,8177						0,01311				
ET	0,09024		0,2643	0,2558							
EA	0,6507										

Vv	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,0673					0,004052	0,00483	0,2662	0,005829	0,2644
BB	0,0673		0,1598	0,5155							
RR		0,1598					0,03357	0,02568	0,5555	0,008872	0,3719
OA		0,5155					0,1459	0,104		0,02451	0,9679
CE											
CC										0,8524	
AA	0,004052		0,03357	0,1459							
GB	0,00483		0,02568	0,104							
CG	0,2662		0,5555								
ET	0,005829		0,008872	0,02451		0,8524					
EA	0,2644		0,3719	0,9679							



Vmp	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,3463					1,42E-09	0,002399	0,8177	0,09024	0,6507
BB	0,3463						0,2862				
RR							1,63E-05	0,07243		0,2643	
OA							1,10E-05	0,06395		0,2558	
CE							0,06935				
CC							0,1102				
AA	1,42E-09	0,2862	1,63E-05	1,10E-05	0,06935	0,1102			0,01311		
GB	0,002399		0,07243	0,06395							
CG	0,8177						0,01311				
ET	0,09024		0,2643	0,2558							
EA	0,6507										

Vmc	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,05582						0,008683	0,1973	0,003794	0,2437
BB	0,05582		0,1237	0,3854							
RR		0,1237						0,03517	0,3983	0,005476	0,3181
OA		0,3854						0,1294		0,01475	0,8013
CE											
CC										0,524	
AA										0,1408	
GB	0,008683		0,03517	0,1294							
CG	0,1973		0,3983								
ET	0,003794		0,005476	0,01475		0,524	0,1408				
EA	0,2437		0,3181	0,8013							

Vvc	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,4974					0,4817	0,006653	0,2327	0,003789	0,1141
BB	0,4974		0,3205	0,8598							
RR		0,3205					0,3719	0,009314	0,1815	0,002467	0,07385
OA		0,8598						0,03484	0,5451	0,006498	0,1967
CE										0,6009	
CC										0,3473	
AA	0,4817		0,3719							0,4417	
GB	0,006653		0,009314	0,03484							
CG	0,2327		0,1815	0,5451							
ET	0,003789		0,002467	0,006498	0,6009	0,3473	0,4417				
EA	0,1141		0,07385	0,1967							



Vvw	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,0001863			0,07862	0,323	4,63E-13	0,05937		0,4028	
BB	0,0001863		0,4383	0,5615					0,2541		0,3902
RR		0,4383					0,0001325				
OA		0,5615					0,0001762				
CE	0,07862						0,1699				
CC	0,323						0,1169				
AA	4,63E-13		0,0001325	0,0001762	0,1699	0,1169		0,01171	6,03E-06		0,0005123
GB	0,05937						0,01171				
CG		0,2541					6,03E-06				
ET	0,4028										
EA		0,3902					0,0005123				

Spd	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,0009611	0,000282		0,403		2,11E-14				
BB	0,0009611						0,8094	0,137	0,002163		0,0002126
RR	0,000282							0,04738	0,0006554	0,9054	6,87E-05
OA							0,0002941				0,2054
CE	0,403						0,008692		0,5205		0,03652
CC							0,002956				0,182
AA	2,11E-14	0,8094		0,0002941	0,008692	0,002956		2,81E-08	1,99E-12	0,007978	5,89E-11
GB		0,137	0,04738				2,81E-08				
CG		0,002163	0,0006554		0,5205		1,99E-12				
ET			0,9054				0,007978				
EA		0,0002126	6,87E-05	0,2054	0,03652	0,182	5,89E-11				

Spc	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,008256					1,75E-06	0,5114			
BB	0,008256		0,0002563	8,43E-05	7,86E-05				0,0001465		0,002786
RR		0,0002563				0,7857	1,34E-07	0,01778			
OA		8,43E-05				0,4631	2,14E-08	0,007149			
CE		7,86E-05				0,4114	2,38E-08	0,006464			
CC			0,7857	0,4631	0,4114		0,2811				
AA	1,75E-06		1,34E-07	2,14E-08	2,38E-08	0,2811		0,9963	7,44E-09		1,68E-05
GB	0,5114		0,01778	0,007149	0,006464		0,9963		0,0157		0,09323
CG		0,0001465					7,44E-09	0,0157			
ET											
EA		0,002786					1,68E-05	0,09323			

S10z	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		9,23E-05	0,03664	0,1981	0,2897	0,125	1,35E-15	0,009235	0,8856	0,03341	0,7528
BB	9,23E-05		0,1428	0,02621	0,01728	0,07102	0,006904	0,1603	0,0003503	0,7682	0,007745
RR	0,03664	0,1428		0,4744	0,3755	0,6972	2,09E-05	0,8425	0,06192	0,4757	0,1847
OA	0,1981	0,02621	0,4744		0,8564	0,7692	2,32E-07	0,3249	0,2711	0,2224	0,4838
CE	0,2897	0,01728	0,3755	0,8564		0,6439	1,16E-07	0,2435	0,375	0,1803	0,5935
CC	0,125	0,07102	0,6972	0,7692	0,6439		7,45E-06	0,541	0,1764	0,3273	0,3506
AA	1,35E-15	0,006904	2,09E-05	2,32E-07	1,16E-07	7,45E-06		4,48E-06	4,91E-13	0,04745	2,32E-07
GB	0,009235	0,1603	0,8425	0,3249	0,2435	0,541	4,48E-06		0,021	0,5421	0,1106
CG	0,8856	0,0003503	0,06192	0,2711	0,375	0,1764	4,91E-13	0,021		0,04545	0,8422
ET	0,03341	0,7682	0,4757	0,2224	0,1803	0,3273	0,04745	0,5421	0,04545		0,0967
EA	0,7528	0,007745	0,1847	0,4838	0,5935	0,3506	2,32E-07	0,1106	0,8422	0,0967	

S5p	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,4439					9,23E-08	0,002556		0,07955	
BB	0,4439		0,1146	0,1235							
RR		0,1146					4,81E-07	0,00115		0,02226	0,89
OA		0,1235					4,18E-07	0,001178		0,02409	0,9661
CE							0,003219	0,4439		0,6887	
CC							0,2545				
AA	9,23E-08		4,81E-07	4,18E-07	0,003219	0,2545			0,004519		
GB	0,002556		0,00115	0,001178	0,4439						
CG							0,004519				
ET	0,07955		0,02226	0,02409	0,6887						
EA			0,89	0,9661							

S5v	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,004566	0,2543				8,01E-14				
BB	0,004566						0,4199		0,0009664		0,04829
RR	0,2543						0,02605		0,06579		0,6357
OA							0,001024		0,5071		
CE							1,08E-05				
CC							0,0001353				
AA	8,01E-14	0,4199	0,02605	0,001024	1,08E-05	0,0001353		1,54E-06	4,81E-14	0,2752	2,27E-07
GB							1,54E-06				
CG		0,0009664	0,06579	0,5071			4,81E-14				
ET							0,2752				
EA		0,04829	0,6357				2,27E-07				

Sda	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,06726					0,0001127				
BB	0,06726		0,7408	8,21E-05							
RR		0,7408					0,02819				
OA		8,21E-05			0,009958		3,54E-08	0,004625	0,09254	0,1989	
CE				0,009958							
CC							0,08849				
AA	0,0001127		0,02819	3,54E-08		0,08849			0,0725		0,2074
GB				0,004625							
CG				0,09254				0,0725			
ET				0,1989							
EA											0,2074

Sdv	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		2,74E-06					5,31E-16	0,8404			0,556
BB	2,74E-06		0,1579	0,001032	0,1884	0,03909		0,1502	0,0004787		0,06421
RR		0,1579					3,88E-05				
OA		0,001032					4,86E-09				
CE		0,1884					5,34E-05				
CC		0,03909					6,69E-06				
AA	5,31E-16		3,88E-05	4,86E-09	5,34E-05	6,69E-06		6,32E-06	8,24E-11		4,43E-05
GB	0,8404	0,1502					6,32E-06				
CG		0,0004787					8,24E-11				
ET	0,556										
EA		0,06421					4,43E-05				

Svd	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,244		0,8446			1,52E-06				
BB	0,244			0,0002432					0,7673		
RR				0,2133			0,02723				
OA	0,8446	0,0002432	0,2133		0,02159	0,8532	1,85E-10	0,03809	0,6336	0,7513	
CE				0,02159			0,362				
CC				0,8532			0,01175				
AA	1,52E-06		0,02723	1,85E-10	0,362	0,01175		0,0131	6,75E-05		0,003339
GB				0,03809			0,0131				
CG		0,7673		0,6336			6,75E-05				
ET				0,7513							
EA							0,003339				



Svc	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT			0,3664				1,39E-06				
BB							0,03531				
RR	0,3664				0,08292				0,04579		0,4359
OA					0,8507		0,4352		0,6547		
CE			0,08292	0,8507			2,99E-06	0,3498			
CC						0,5977			0,4648		
AA	1,39E-06	0,03531		0,4352	2,99E-06			0,2589	6,41E-08		0,00042
GB						0,3498		0,2589	0,2068		
CG			0,04579	0,6547		0,4648	6,41E-08	0,2068			
ET											
EA			0,4359				0,00042				

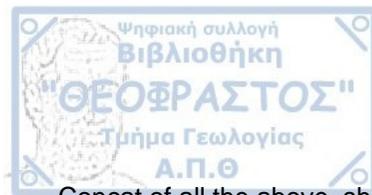
Sk	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT								0,02241	0,5487	0,00505	0,06102
BB			0,5203							0,9938	
RR		0,5203						0,01507	0,2482	0,002237	0,02777
OA								0,05124	0,6892	0,005652	0,07517
CE										0,3079	
CC										0,1547	
AA								0,02984	0,7177	0,006372	0,07848
GB	0,02241		0,01507	0,05124			0,02984				
CG	0,5487		0,2482	0,6892			0,7177			0,9046	
ET	0,00505	0,9938	0,002237	0,005652	0,3079	0,1547	0,006372		0,9046		
EA	0,06102		0,02777	0,07517			0,07848				

Spk	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,3197					4,82E-09	0,002091	0,8398	0,09878	0,6268
BB	0,3197						0,4895				
RR							3,15E-05	0,06209		0,2755	
OA							2,51E-05	0,05986		0,2809	
CE							0,1117				
CC							0,1772				
AA	4,82E-09	0,4895	3,15E-05	2,51E-05	0,1117	0,1772			0,02404		
GB	0,002091		0,06209	0,05986							
CG	0,8398						0,02404				
ET	0,09878		0,2755	0,2809							
EA	0,6268										

Svk	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,0005053			0,1585	0,7085	1,35E-13	0,1391		0,9862	
BB	0,0005053		0,778	0,7186					0,1442		0,2697
RR		0,778					8,09E-05				
OA		0,7186					5,52E-05				
CE	0,1585						0,05431				
CC	0,7085						0,02967				
AA	1,35E-13		8,09E-05	5,52E-05	0,05431	0,02967		0,002298	2,02E-07		6,83E-05
GB	0,1391						0,002298				
CG		0,1442					2,02E-07				
ET	0,9862										
EA		0,2697					6,83E-05				

Smr1	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT							8,91E-09				
BB							2,67E-05				
RR							1,73E-05				
OA							3,74E-07				
CE							0,004036				
CC							0,02761				
AA	8,91E-09	2,67E-05	1,73E-05	3,74E-07	0,004036	0,02761		0,006213	8,52E-05	0,3708	0,01354
GB							0,006213				
CG							8,52E-05				
ET							0,3708				
EA							0,01354				

Smr2	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET	EA
BT		0,001154		0,04097	0,02843	0,07761	4,09E-08				
BB	0,001154							0,3366	0,7717	0,5433	0,0005065
RR							0,3548				0,2385
OA	0,04097										0,008604
CE	0,02843										0,006168
CC	0,07761										0,01374
AA	4,09E-08		0,3548					0,002028	0,007261	0,06412	1,27E-06
GB		0,3366					0,002028				
CG		0,7717					0,007261				0,498
ET		0,5433					0,06412				
EA		0,0005065	0,2385	0,008604	0,006168	0,01374	1,27E-06		0,498		



Concat of all the above, showing the significant parametres per pair of taxa, p-values bonferroni

AII	BT	BB	RR	OA	CE	CC	AA	GB	CG	ET
	Eplsar, Sq, Sv, Sz, Sa, Smr(c=1), Sxp, Sal, Sal#1, Sal#2, Str, Str#1, Str#2, Sdq, Vvv, Spd, Spc, S10z, S5v, Sdv, Svk, Smr2									
BB			Str#1, Str#2, Spc							
RR	Spd, S10z									
OA	Smr2		Spc, S10z, Sda, Sdv, Svd							
CE	Sal, Sal#1, Sal#2, Smr2		Eplsar, Str, Str#1, Str#2, Spc, S10z		Sda, Svd					
CC			Eplsar, Str, Str#1, Str#2, Sdv							
AA	Asfc, Eplsar, H9, H36, H81, Disp-Asfc, Disp- Tfv2, Disp-Tfv02, Sq, Skk, Sku, Sp, Sv, Sz, Sa, Smr(c=1), Smr(p=10), Sxp, Str, Str#1, Str#2, Sdq, Sdr, Vm, Vv, Vmp, Vvv, Spd, Spc, S10z, S5p, S5v, Sda, Sdv, Svd, Svc, Spk, Svk, Smr1, Smr2	S10z, Svc, Smr1	Svk, Smr1	H9, H36, H81, Asfc, Eplsar, H36, Sq, Sku, Sp, Sv, H81, Sq, Sp, Sv, Sz, Sa, Sz, Sa, Smr(c=1), Smr(c=1), Sxp, Sxp, Str, Str#1, Str#1, Str#2, Str#2, Sdq, Sdr, Sdq, Sdr, Vm, Vm, Vv, Vmp, Vmp, Vvv, Spd, Vvv, Spc, S10z, Spc, S10z, S5p, S5p, S5v, Sda, S5v, Sda, Sdv, Sdv, Svd, Spk, Svd, Spk, Svk, Smr1	Sq, Sku, Sp, Sv, Sz, Sa, Smr(c=1), Sxp, Str#1, Str#2, Sdq, Sdr, Vm, Vmp, Vvv, Spd, Spc, S10z, S5p, S5v, Sda, Sdv, Svd, Spk, Svk, Smr1	Asfc, Eplsar, H81, Skk, Sku, Sp, Sv, Eplsar, H36, H81, Sz, Smr(c=1), Str, Skk, Sku, Sv, Sz, Str#1, Str#2, Sdq, Str, Str#1, Str#2, Sdr, Spd, Spc, Sdq, Sdr, Spd, S10z, S5p, S5v, S10z, S5v, Sdv, Sdv, Svc, Smr1				



# C.Mesowear



Type	Locality	Code	Taxa	Selection [0=not used/1=used in statistics]	Specimen	Age /Wear	Sex	Molar	Orientation	Picture number	Lmax	H3	H3/Lmax	OR (occlusal relief)	Table correspond.
Extant	Bauges - Alps	CC	<i>Capreolus capreolus</i>	0	15-Cc-2653	Juvenile (J)		lm2	dex	1	1,39	0,26	0,18705	H	1
		CC	<i>Capreolus capreolus</i>	1	15-Cc-2184	Adult (A)	F	lm2	sin	2	1,18	0,27	0,228814	H	2
		CC	<i>Capreolus capreolus</i>	1	15-Cc-2613	Adult (A)	M	lm2	sin	3	1,29	0,32	0,248062	H	3
		CC	<i>Capreolus capreolus</i>	1	15-Cc-8634	Juvenile (J)		lm1	dex	4	1,38	0,26	0,188406	H	4
		CC	<i>Capreolus capreolus</i>	1	15-Cc-0739	Juvenile (J)		lm1	dex	5	1,34	0,23	0,171642	H	5
		CC	<i>Capreolus capreolus</i>	1	15-Cc-0642	Adult (A)	M	lm2	dex	7	1,17	0,19	0,162393	H	6
		CC	<i>Capreolus capreolus</i>	0	15-Cc-0018	Old (O)		lm3	dex	8	1,4	0,21	0,15	H	7
		CC	<i>Capreolus capreolus</i>	1	15-Cc-0424	Adult (A)		lm2	dex	9	1,24	0,24	0,193548	H	8
		CC	<i>Capreolus capreolus</i>	1	15-Cc-0258	Adult (A)	F	lm2	dex	10	1,4	0,28	0,2	H	9
		CC	<i>Capreolus capreolus</i>	1	15-Cc-0742	Adult (A)	M	lm2	dex	11	1,27	0,26	0,204724	H	10
		CC	<i>Capreolus capreolus</i>	1	15-Cc-0259	Adult (A)	F	lm2	dex	12	1,23	0,2	0,162602	H	11
		CC	<i>Capreolus capreolus</i>	1	15-Cc-8624	Adult (A)	F	lm2	dex	13	1,21	0,17	0,140496	H	12
		CC	<i>Capreolus capreolus</i>	1	15-Cc-0006	Adult (A)		lm2	sin	14	1,28	0,22	0,171875	H	13
		CC	<i>Capreolus capreolus</i>	1	15-Cc-2183	Adult (A)	F	lm2	sin	15	1,2	0,24	0,2	H	14
		CC	<i>Capreolus capreolus</i>	1	15-Cc-0005	Juvenile (J)		lm2	dex	17	1,36	0,23	0,169118	H	15
		CC	<i>Capreolus capreolus</i>	0	15-Cc-8640	Adult (A)	M	lm2	dex	18	1,19	0,21	0,176471	H	16
		CC	<i>Capreolus capreolus</i>	1	15-Cc-7124	Adult (A)	F	lm2	sin	20	1,25	0,21	0,168	H	17
		CC	<i>Capreolus capreolus</i>	1	15-Cc-0262	Adult (A)	M	lm2	dex	21	1,21	0,26	0,214876	H	18
		CC	<i>Capreolus capreolus</i>	1	15-Cc-2611	Adult (A)	F	lm2	dex	22	1,35	0,24	0,177778	H	19
		CC	<i>Capreolus capreolus</i>	0	15-Cc-0001	Adult (A)	M	lm2	dex	23	1,29	0,23	0,178295	H	20
		CC	<i>Capreolus capreolus</i>	1	08-Cc-0009	Juvenile (J)		lm2	dex	24	1,38	0,27	0,195652	H	21
		CC	<i>Capreolus capreolus</i>	1	15-Cc-2637	Adult (A)	M	lm2	dex	25	1,24	0,29	0,233871	H	22
		CC	<i>Capreolus capreolus</i>	0	15-Cc-0017	Adult (A)	M	lm2	dex	27	1,24	0,2	0,16129	H	23
		CC	<i>Capreolus capreolus</i>	1	15-Cc-0003	Old (O)		lm2	dex	28	1,18	0,21	0,177966	H	24
		CC	<i>Capreolus capreolus</i>	1	15-Cc-0004	Adult (A)		lm2	dex	29	1,19	0,25	0,210084	H	25
		CC	<i>Capreolus capreolus</i>	0	15-Cc-0007	Old (O)		lm2	dex	30	1,21	0,16	0,132231	H	26
		CC	<i>Capreolus capreolus</i>	1	15-Cc-8639	Juvenile (J)		lm2	dex	31	1,23	0,18	0,146341	H	27
		CE	<i>Cervus elaphus</i>	1	15-CE-4823	Adult (A)		lm2	dex	1	2,34	0,44	0,188034	H	28
		CE	<i>Cervus elaphus</i>	1	15-CE-0104	Adult (A)	F	lm2	dex	2	2,58	0,52	0,20155	H	29
		CE	<i>Cervus elaphus</i>	1	15-CE-5837	Adult (A)	M	lm2	sin	3	2,37	0,53	0,223629	H	30

Table correspond.	Anterior cusp (1st)	Posterior cusp (2nd)	CS (Method X,Y)	Method X score	Method Y score	CS (cusp shape) for Method Z (only 1st cusp)			
						Id	PC1	PC2	PC3
1	broken	sharp (S)	sharp (S)	1	1				
2	sharp (S)	round (R)	sharp (S)	1	2	CC_2	-0.0614913177748989	-0.07532088605789902	0.028454183267862754
3	sharp (S)	round (R)	sharp (S)	1	0	CC_3	-0.17686020130207813	-0.025245754572334	-0.012341016205996924
4	round (R)	round (R)	round (R)	2	1	CC_4	-0.0031679253517710743	0.01722665082086908	0.027188871518582732
5	round (R)	round (R)	round (R)	2	2	CC_5	-0.08813791656078925	0.07375525565550606	0.01690114548210132
6	round (R)	blunt (B)	blunt (B)	2	3	CC_7	0.05249220741119619	-0.022293969855023205	-0.014218077844472604
7	broken	sharp (S)	sharp (S)	1	1				
8	round (R)	round (R)	round (R)	2	3	CC_9	-0.01604648898010845	0.03176195185291367	-0.03606572698151822
9	round (R)	round (R)	round (R)	2	1	CC_10	-0.11860367199725043	0.02062219648477285	-0.02749948943890245
10	round (R)	round (R)	round (R)	2	3	CC_11	0.20621705073649327	-0.07208552844916236	0.034042169595088025
11	round (R)	broken	round (R)	2	2	CC_12	0.04515518772602831	0.029667879792676682	0.00881603436782127
12	blunt (B)	round (R)	round (R)	2	3	CC_13	0.14394150577546394	-0.055789112414250046	-0.02004975667242284
13	round (R)	broken	round (R)	2	2	CC_14	0.07842089524603484	-0.030677918561536274	0.014352891036157285
14	round (R)	round (R)	round (R)	2	1	CC_15	-0.0779174702406536	0.01432695994874744	0.0018294730029227218
15	round (R)	round (R)	round (R)	2	1	CC_17	-0.020770624269796836	0.054725923761393444	0.0066031672763273925
16	broken	round (R)	round (R)	2	2				
17	round (R)	round (R)	round (R)	2	3	CC_20	0.09704134576159971	-0.006442010827647468	-0.020227065993736346
18	round (R)	sharp (S)	sharp (S)	1	1	CC_21	-0.0171234419075378	-0.07211698310005539	-0.020092258555351215
19	round (R)	round (R)	round (R)	2	3	CC_22	0.25458383237080406	-0.006890861863969569	0.014966339023353929
20	broken	sharp (S)	sharp (S)	1	1				
21	round (R)	sharp (S)	sharp (S)	1	0	CC_24	-0.045511623719293834	0.019982705115033098	0.03671348235678524
22	round (R)	sharp (S)	sharp (S)	1	1	CC_25	0.07351642966302571	0.06472630354690007	-0.003002999023519171
23	broken	round (R)	round (R)	2	1				
24	round (R)	broken	round (R)	2	2	CC_28	0.10776052377929801	-0.005633457635706454	0.002252881154535721
25	round (R)	round (R)	round (R)	2	2	CC_29	0.08829566782151606	-0.08068345981663862	0.014839657875098266
26	broken	round (R)	round (R)	2	4				
27	round (R)	round (R)	round (R)	2	2	CC_31	0.05602267422518368	-0.019237203655150085	0.04002733770306857
28	sharp (S)	round (R)	sharp (S)	1	1	CE_1	-0.1281609053169312	-0.02957619775248617	-0.010385286180853898
29	round (R)	round (R)	round (R)	2	1	CE_2	-0.08689982677992839	0.03770153130938845	-0.008628005542454811
30	round (R)	round (R)	round (R)	2	1	CE_3	0.042071506011931104	-0.03771748592132106	0.04823758645111128

Type	Locality	Code	Taxa	Selection [0=not used/1=used in statistics]	Specimen	Age /Wear	Sex	Molar	Orientation	Picture number	Lmax	H3	H3/Lmax	OR (occlusal relief)	Table correspond.
Extant	Bauges - Alps	CE	<i>Cervus elaphus</i>	1	15-CE-2616	Adult (A)	M	lm2	dex	4	2,64	0,53	0,2200758	H	31
		CE	<i>Cervus elaphus</i>	1	15-CE-4526	Adult (A)	F	lm2	sin	5	2,78	0,49	0,176259	H	32
		CE	<i>Cervus elaphus</i>	1	15-CE-4951	Adult (A)	F	lm2	dex	6	2,63	0,58	0,220532	H	33
		CE	<i>Cervus elaphus</i>	1	15-CE-7104	Adult (A)	F	lm2	dex	7	2,71	0,52	0,191882	H	34
		CE	<i>Cervus elaphus</i>	1	15-CE-4929	Adult (A)		lm2	sin	8	2,29	0,62	0,270742	H	35
		CE	<i>Cervus elaphus</i>	1	15-CE-4821	Adult (A)	F	lm2	dex	9	2,45	0,58	0,236735	H	36
		CE	<i>Cervus elaphus</i>	1	15-CE-5795	Juvenile (J)		lm1	dex	10	2,28	0,52	0,22807	H	37
		CE	<i>Cervus elaphus</i>	1	15-CE-2655	Adult (A)	M	lm2	dex	11	2,22	0,58	0,261261	H	38
		CE	<i>Cervus elaphus</i>	1	15-CE-3523	Juvenile (J)		lm2	sin	12	2,65	0,48	0,181132	H	39
		CE	<i>Cervus elaphus</i>	1	15-CE-5028	Juvenile (J)		lm1	dex	13	2,19	0,52	0,237443	H	40
		CE	<i>Cervus elaphus</i>	1	15-CE-5616	Adult (A)	M	lm2	dex	14	2,37	0,63	0,265823	H	41
		CE	<i>Cervus elaphus</i>	1	15-CE-0106	Adult (A)	M	lm2	sin	17	2,33	0,47	0,201717	H	42
		CE	<i>Cervus elaphus</i>	1	15-CE-4825	Adult (A)	F	lm1	sin	18	2,09	0,43	0,205742	H	43
		CE	<i>Cervus elaphus</i>	1	15-CE-4988	Juvenile (J)		lm2	dex	19	2,51	0,41	0,163347	H	44
		CE	<i>Cervus elaphus</i>	1	15-CE-5002	Old (O)	F	lm2	dex	20	2,03	0,44	0,216749	H	45
		CE	<i>Cervus elaphus</i>	1	15-CE-4683	Juvenile (J)		lm1	dex	21	2,35	0,45	0,191489	H	46
		CE	<i>Cervus elaphus</i>	1	15-CE-4987	Adult (A)		lm2	dex	22	2,47	0,47	0,190283	H	47
		CE	<i>Cervus elaphus</i>	1	15-CE-2193	Adult (A)		lm2	dex	23	2,23	0,49	0,219731	H	48
		CE	<i>Cervus elaphus</i>	1	15-CE-5672	Adult (A)		lm2	dex	24	2,42	0,48	0,198347	H	49
		CE	<i>Cervus elaphus</i>	1	15-CE-4822	Adult (A)		lm2	dex	25	2,65	0,54	0,203774	H	50
		CE	<i>Cervus elaphus</i>	0	15-CE-5792	Juvenile (J)		lm1	sin	26	2,32	0,5	0,215517	H	51
		CE	<i>Cervus elaphus</i>	1	15-CE-5671	Juvenile (J)		lm1	dex	27	2,28	0,51	0,223684	H	52
		CE	<i>Cervus elaphus</i>	1	15-CE-4687	Adult (A)	F	lm2	sin	28	2,32	0,57	0,24569	H	53
		CE	<i>Cervus elaphus</i>	1	15-CE-4690	Adult (A)		lm2	dex	29	2,41	0,55	0,228216	H	54
		CE	<i>Cervus elaphus</i>	1	15-CE-4999	Adult (A)		lm2	dex	30	2,41	0,51	0,211618	H	55
		CE	<i>Cervus elaphus</i>	1	15-CE-4982	Adult (A)		lm2	dex	31	2,47	0,44	0,178138	H	56
		CE	<i>Cervus elaphus</i>	1	15-CE-4691	Adult (A)	F	lm2	dex	32	2,19	0,54	0,246575	H	57
		CE	<i>Cervus elaphus</i>	1	15-CE-4820	Adult (A)	F	lm2	dex	33	2,38	0,55	0,231092	H	58
		CE	<i>Cervus elaphus</i>	1	15-CE-4819	Adult (A)	F	lm2	dex	34	2,51	0,54	0,215139	H	59
		CE	<i>Cervus elaphus</i>	1	15-CE-7097	Juvenile (J)		lm2	dex	35	2,57	0,31	0,120623	H	60
		CE	<i>Cervus elaphus</i>	1	15-CE-5038	Adult (A)		lm2	sin	36	2,39	0,54	0,225941	H	61

Table correspond.	Anterior cusp (1st)	Posterior cusp (2nd)	CS (Method X,Y)	Method X score	Method Y score	CS (cusp shape) for Method Z (only 1st cusp)			
						Id	PC1	PC2	PC3
31	round (R)	round (R)	round (R)	2	1	CE_4	-0.04952175992033616	0.026868540207785133	-0.01557857063585264
32	round (R)	round (R)	round (R)	2	1	CE_5	-0.03960542691457567	-0.09686632889228554	-0.013055508404428765
33	round (R)	round (R)	round (R)	2	1	CE_6	-0.07574673908565753	-0.0045066090097946754	-0.0026912028108891477
34	sharp (S)	round (R)	sharp (S)	1	0	CE_7	-0.11671661380668213	0.0185762677047757	0.01837107589610458
35	round (R)	sharp (S)	sharp (S)	1	1	CE_8	0.0013304710055556295	-0.02814938696382356	-0.02000984655472233
36	round (R)	round (R)	round (R)	2	1	CE_9	0.031495299096871834	0.0694119215544582	0.03803899244086218
37	round (R)	round (R)	round (R)	2	1	CE_10	0.08925995290729292	-0.07978917829769659	-0.005706827598543896
38	round (R)	round (R)	round (R)	2	1	CE_11	-0.029988035736554855	-0.023648837980135798	-0.023712448061611713
39	round (R)	round (R)	round (R)	2	2	CE_12	0,000952408905808797	0.024627286962075574	0.043026594119392414
40	round (R)	round (R)	round (R)	2	2	CE_13	0.12752648561554858	0.011090897911078111	-0.04353304826587345
41	round (R)	round (R)	round (R)	2	2	CE_14	0.05250408619562548	-0.06260445487626684	-0.017410227540844918
42	sharp (S)	round (R)	sharp (S)	1	1	CE_17	-0.025928592685918708	0.08906237344950257	0.02525916410778401
43	round (R)	round (R)	round (R)	2	2	CE_18	0.09853236155987617	-0.03211928128830406	-0.01918537303163992
44	round (R)	sharp (S)	sharp (S)	1	1	CE_19	-0.031516194182809994	0.07114702741696252	0.04071270239507498
45	round (R)	round (R)	round (R)	2	2	CE_20	0.06351332000916192	0.07865177393715883	0.004043042213305091
46	sharp (S)	round (R)	sharp (S)	1	1	CE_21	-0.003192834390049217	-0.11356697815379177	0.0109155628129064
47	round (R)	sharp (S)	sharp (S)	1	1	CE_22	-0.02043043961730624	-0.0520864065143815	0.0019203201175041489
48	round (R)	sharp (S)	sharp (S)	1	1	CE_23	0.011011171016359456	-0.010459161480155887	0.003960480565809806
49	round (R)	round (R)	round (R)	2	0	CE_24	-0.04493543800303268	-0.09735473123302475	0.030755929710021702
50	round (R)	round (R)	round (R)	2	1	CE_25	-0.06093461526699827	-0.041339644859406825	0.014721117380093449
51	broken	round (R)	round (R)	2	2				
52	sharp (S)	sharp (S)	sharp (S)	1	0	CE_27	-0.06134098730618831	0.10668260580000465	-0.023570210376488723
53	sharp (S)	round (R)	sharp (S)	1	0	CE_28	-0.15085854210820826	-0.03721282978277609	-0.002860812729338526
54	round (R)	round (R)	round (R)	2	2	CE_29	0.04134233168108983	-0.006531490284275191	-0.0194500688618178
55	round (R)	sharp (S)	sharp (S)	1	1	CE_30	-0.08649867604011033	0.041515217979177954	0.003961167781994058
56	round (R)	round (R)	round (R)	2	3	CE_31	0.12268877403907778	-0.04546139903441828	-0.014861844421607276
57	round (R)	sharp (S)	sharp (S)	1	1	CE_32	-0.10376001394640279	-0.027475408678492307	0.001667351868580613
58	round (R)	round (R)	round (R)	2	2	CE_33	0.014024094626817064	0.06024645727354872	-0.013291553331202096
59	round (R)	round (R)	round (R)	2	1	CE_34	0.010278932702782467	0.05324090947836004	0.02081645708330068
60	sharp (S)	round (R)	sharp (S)	1	1	CE_35	0.03684770209423299	-0.0643523602049705	-0.045948530719975136
61	sharp (S)	sharp (S)	sharp (S)	1	0	CE_36	-0.08036567972498332	0.024854665147443337	-0.028741168862718245

Type	Locality	Code	Taxa	Selection [0=not used/1=used in statistics]	Specimen	Age /Wear	Sex	Molar	Orientation	Picture number	Lmax	H3	H3/Lmax	OR (occlusal relief)	Table correspond.
Extant	Bauges - Alps	CE	<i>Cervus elaphus</i>	1	15-CE-0141	Adult (A)	F	lm2	dex	37	2,49	0,47	0,188755	H	62
		CE	<i>Cervus elaphus</i>	1	15-CE-4525	Adult (A)	F	lm2	sin	38	2,53	0,5	0,197628	H	63
		CE	<i>Cervus elaphus</i>	1	15-CE-3732	Adult (A)	F	lm2	dex	39	2,21	0,49	0,221719	H	64
		CE	<i>Cervus elaphus</i>	1	15-CE-2654	Juvenile (J)		lm1	dex	40	2,18	0,52	0,238532	H	65
		CE	<i>Cervus elaphus</i>	0	15-CE-5937	Juvenile (J)		lm2	dex	42	2,55	0,47	0,184314	H	66
		CE	<i>Cervus elaphus</i>	1	15-CE-4949	Juvenile (J)		lm1	sin	43	2,41	0,47	0,195021	H	67
		OA	<i>Ovis ammon</i>	1	08-MO-MEC-0	Adult (A)	M	lm2	dex	1	1,82	0,34	0,186813	H	68
		OA	<i>Ovis ammon</i>	1	15-MO-8849	Old (O)	F	lm2	dex	2	1,25	0,24	0,192	H	69
		OA	<i>Ovis ammon</i>	1	08-MO-MEC-0	Juvenile (J)	F	lm2	dex	3	1,66	0,36	0,216867	H	70
		OA	<i>Ovis ammon</i>	1	08-MO-MEC-0	Juvenile (J)		lm1	dex	4	1,44	0,23	0,159722	H	71
		OA	<i>Ovis ammon</i>	1	08-MO-MEC-0	Old (O)	F	lm2	dex	6	1,55	0,48	0,309677	H	72
		OA	<i>Ovis ammon</i>	1	15-MO-8857	Old (O)	F	lm2	dex	7	1,27	0,3	0,23622	H	73
		OA	<i>Ovis ammon</i>	1	15-MO-8841	Juvenile (J)	M	lm1	dex	8	1,47	0,39	0,265306	H	74
		OA	<i>Ovis ammon</i>	1	08-MO-MEC-0	Adult (A)		lm2	dex	9	1,51	0,38	0,251656	H	75
		OA	<i>Ovis ammon</i>	1	15-MO-8847	Adult (A)	M	lm2	dex	10	1,56	0,46	0,294872	H	76
		OA	<i>Ovis ammon</i>	1	15-MO-8851	Adult (A)	F	lm2	dex	11	1,73	0,45	0,260116	H	77
		OA	<i>Ovis ammon</i>	1	15-MO-8843	Adult (A)	M	lm2	dex	12	1,79	0,42	0,234637	H	78
		OA	<i>Ovis ammon</i>	1	15-MO-8837	Juvenile (J)	M	lm2	dex	13	1,65	0,4	0,242424	H	79
		OA	<i>Ovis ammon</i>	1	08-MO-MEC-0	Adult (A)		lm2	dex	14	1,55	0,32	0,206452	H	80
		OA	<i>Ovis ammon</i>	1	08-MO-MEC-0	Juvenile (J)	M	lm1	dex	15	1,44	0,29	0,201389	H	81
		OA	<i>Ovis ammon</i>	1	08-MO-MEC-0	Adult (A)	F	lm2	dex	16	1,53	0,42	0,27451	H	82
		OA	<i>Ovis ammon</i>	1	08-MO-MEC-0	Adult (A)		lm2	dex	17	1,72	0,45	0,261628	H	83
		OA	<i>Ovis ammon</i>	1	08-MO-MEC-0	Juvenile (J)		lm1	sin	18	1,59	0,37	0,232704	H	84
		OA	<i>Ovis ammon</i>	1	08-MO-MEC-0	Adult (A)	M	lm2	sin	19	1,68	0,35	0,208333	H	85
		OA	<i>Ovis ammon</i>	1	08-MO-MEC-0	Juvenile (J)	F	lm2	sin	20	1,7	0,4	0,235294	H	86
OA	<i>Ovis ammon</i>	1	08-MO-MEC-0	Juvenile (J)	M	lm2	dex	21	1,7	0,4	0,235294	H	87		
OA	<i>Ovis ammon</i>	1	15-MO-8833	Juvenile (J)	M	lm1	dex	22	1,46	0,38	0,260274	H	88		
OA	<i>Ovis ammon</i>	1	15-MO-8845	Old (O)	F	lm2	dex	23	1,34	0,27	0,201493	H	89		
OA	<i>Ovis ammon</i>	0	15-MO-8832	Juvenile (J)	M	lm1	sin	24	1,47	0,25	0,170068	H	90		
OA	<i>Ovis ammon</i>	1	08-MO-MEC-0	Juvenile (J)		lm1	dex	25	1,51	0,26	0,172185	H	91		

Table correspond.	Anterior cusp (1st)	Posterior cusp (2nd)	CS (Method X,Y)	Method X score	Method Y score	CS (cusp shape) for Method Z (only 1st cusp)			
						Id	PC1	PC2	PC3
62	round (R)	sharp (S)	sharp (S)	1	2	CE_37	0.09893423084417649	-0.011177215531774063	-0.004604293709702114
63	round (R)	round (R)	round (R)	2	2	CE_38	0.04189336926335239	-0.013577261334769202	0.009737336449793013
64	round (R)	round (R)	round (R)	2	2	CE_39	0.0816654772926768	0.10633216598843073	-0.007696938624420544
65	sharp (S)	round (R)	sharp (S)	1	1	CE_40	-0.0803329762529298	0.04274585413509053	0.020461356292256656
66	broken	round (R)	round (R)	2	1				
67	sharp (S)	round (R)	sharp (S)	1	0	CE_42	-0.10083248246027077	-0.017063996045372752	0.0011161332312694802
68	round (R)	round (R)	round (R)	2	2	OA_1	0.16937008807149875	-0.11119157436883487	0.04199514220375286
69	round (R)	blunt (B)	round (R)	2	4	OA_2	0.16127965078425915	-0.0255617273112018	-0.015587069249500483
70	round (R)	sharp (S)	sharp (S)	1	1	OA_3	-0.013887647369363286	-0.01591947136643075	0.02953222525606316
71	round (R)	round (R)	round (R)	2	2	OA_4	0.01880022103921199	-0.12458361382530078	-0,000856300503392
72	round (R)	round (R)	round (R)	2	2	OA_6	0.10669613261061424	0.010611832706954186	-0.030119512649804864
73	blunt (B)	round (R)	round (R)	2	4	OA_7	0.14612979316984348	-0.05468113941483227	-0.0016730186861902661
74	sharp (S)	sharp (S)	sharp (S)	1	0	OA_8	-0.03926313334484749	-0.027589130766079707	-0.034410183148112464
75	round (R)	sharp (S)	sharp (S)	1	1	OA_9	-0.003205729500644559	-0.037194346339866145	0.06917458287059385
76	round (R)	sharp (S)	sharp (S)	1	1	OA_10	-0.019973647119616383	0.07248038015593974	0.009087748558558466
77	round (R)	round (R)	round (R)	2	1	OA_11	-0.04012962398709467	0.057671926891181856	0.024366996830845613
78	round (R)	sharp (S)	sharp (S)	1	0	OA_12	-0.08221330704049352	-0.10648301653933084	-0.020726015623084862
79	sharp (S)	round (R)	sharp (S)	1	1	OA_13	-0.058663480588534545	-0.05290889579536792	-0.03467298069183193
80	round (R)	round (R)	round (R)	2	3	OA_14	0.11253608238454577	0.04527339958532579	-0.024807776509843903
81	sharp (S)	sharp (S)	sharp (S)	1	1	OA_15	-0.011625968666239333	-0.06875631070512696	-0.00266223491206977
82	round (R)	broken	round (R)	2	2	OA_16	0.07796538926827194	0.06882574927998567	-0.026831252437161918
83	sharp (S)	round (R)	sharp (S)	1	0	OA_17	-0.11100809814863455	-0.04997290785247813	-0.017740820314491892
84	round (R)	round (R)	round (R)	2	0	OA_18	-0.027494993886642657	0.03562337480577081	0.02824769500804062
85	round (R)	round (R)	round (R)	2	1	OA_19	0.07281296586804867	-0.050038892846299615	0.030627813788736503
86	round (R)	round (R)	round (R)	2	1	OA_20	-0.0450843381741565	0.030746700999910302	-0.019331289806620956
87	round (R)	sharp (S)	sharp (S)	1	0	OA_21	0.1298999023417495	0.03234137350109215	0.028268478667649186
88	sharp (S)	sharp (S)	sharp (S)	1	0	OA_22	-0.18281997971526381	0.08653134175794147	-0.015565886007889312
89	blunt (B)	round (R)	round (R)	2	3	OA_23	0.1702369156955032	0.009963401763945666	0.006996438274339064
90	broken	round (R)	round (R)	2	1				
91	sharp (S)	round (R)	sharp (S)	1	1	OA_25	-0.027948390181616718	0.02350323175028083	-0.0024715017813200114

Type	Locality	Code	Taxa	Selection [0=not used/1=used in statistics]	Specimen	Age /Wear	Sex	Molar	Orientation	Picture number	Lmax	H3	H3/Lmax	OR (occlusal relief)	Table correspond.
Extant	Bauges - Alps	OA	<i>Ovis ammon</i>	1	08-MO-MEC-C	Juvenile (J)		lm1	dex	26	1,47	0,32	0,217687	H	92
		OA	<i>Ovis ammon</i>	0	08-MO-MEC-C	Juvenile (J)	F	lm2	dex	27	1,71	0,37	0,216374	H	93
		OA	<i>Ovis ammon</i>	0	08-MO-MEC-C	Adult (A)	F	lm2	dex	28	1,37	0,37	0,270073	H	94
		OA	<i>Ovis ammon</i>	1	08-MO-MEC-C	Juvenile (J)	F	lm2	dex	29	1,68	0,4	0,238095	H	95
		OA	<i>Ovis ammon</i>	1	08-MO-MEC-C	Juvenile (J)		lm1	dex	30	1,44	0,27	0,1875	H	96
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8940	Adult (A)	F	lm2	dex	1	1,31	0,35	0,267176	H	97
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8891	Adult (A)	F	lm2	dex	3	1,12	0,33	0,294643	H	98
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8896	Juvenile (J)		lm1	dex	4	1,44	0,3	0,208333	H	99
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8911	Old (O)	M	lm2	dex	5	1,12	0,37	0,330357	H	100
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8334	Adult (A)		lm2	dex	7	1,27	0,31	0,244094	H	101
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8960	Adult (A)	F	lm2	dex	8	1,32	0,42	0,318182	H	102
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8929	Adult (A)	F	lm2	dex	9	1,27	0,37	0,291339	H	103
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-2643	Adult (A)	F	lm2	dex	10	1,49	0,5	0,33557	H	104
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8885	Adult (A)	M	lm2	sin	11	1,38	0,4	0,289855	H	105
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8892	Old (O)	F	lm2	dex	12	1,32	0,23	0,174242	H	106
		RR	<i>Rupicapra rupicapra</i>	1	14-IS-2512	Juvenile (J)		lm1	dex	13	1,41	0,33	0,234043	H	107
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8913	Adult (A)	F	lm2	dex	14	1,29	0,37	0,286822	H	108
		RR	<i>Rupicapra rupicapra</i>	1	NO NUMB 1	Juvenile (J)		lm2	dex	15	1,3	0,35	0,269231	H	109
		RR	<i>Rupicapra rupicapra</i>	1	NO NUMB 2	Juvenile (J)		lm1	dex	16	1,35	0,27	0,2	H	110
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8939	Adult (A)	F	lm2	dex	17	1,33	0,4	0,300752	H	111
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8958	Adult (A)		lm2	dex	18	1,4	0,32	0,228571	H	112
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-2641	Juvenile (J)		lm2	dex	20	1,41	0,29	0,205674	H	113
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8878	Adult (A)	F	lm2	dex	21	1,35	0,45	0,333333	H	114
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8638	Adult (A)	M	lm2	dex	23	1,34	0,41	0,30597	H	115
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8900	Juvenile (J)		lm1	dex	24	1,39	0,32	0,230216	H	116
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8621	Adult (A)	M	lm2	dex	25	1,4	0,37	0,264286	H	117
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8884	Old (O)	F	lm2	dex	27	1,12	0,28	0,25	H	118
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8952	Adult (A)		lm2	dex	28	1,3	0,33	0,253846	H	119
		RR	<i>Rupicapra rupicapra</i>	1	14-IS-8944	Juvenile (J)	M	lm2	dex	29	1,39	0,37	0,266187	H	120
		RR	<i>Rupicapra rupicapra</i>	1	15-IS-8932	Juvenile (J)	M	lm2	sin	30	1,4	0,41	0,292857	H	121

Table correspond.	Anterior cusp (1st)	Posterior cusp (2nd)	CS (Method X,Y)	Method X score	Method Y score	CS (cusp shape) for Method Z (only 1st cusp)			
						Id	PC1	PC2	PC3
92	round (R)	sharp (S)	sharp (S)	1	0	OA_26	-0.08056145768044444	0.05705882713398853	0.007096971255607118
93	broken	sharp (S)	sharp (S)	1	0				
94	broken	round (R)	round (R)	2	2				
95	round (R)	sharp (S)	sharp (S)	1	0	OA_29	-0.1526299656818598	-0.0077079212625509215	0.03277031592597454
96	round (R)	round (R)	round (R)	2	2	OA_30	-0.049657639185487684	-0.020309482655457522	-0.014720866904220954
97	round (R)	round (R)	round (R)	2	2	RR_1	-0.01974752189192431	0.008663907118459957	-0.011296284368520683
98	round (R)	round (R)	round (R)	2	2	RR_3	0.042455998165489096	0.01825809650918763	-0.03649530284005139
99	sharp (S)	round (R)	sharp (S)	1	0	RR_4	-0.0706121614711908	-0.11731776710354012	-0.06321499398200918
100	round (R)	round (R)	round (R)	2	2	RR_5	0.06874104847321401	0.06740250632782052	-0.04214881943115173
101	round (R)	round (R)	round (R)	2	3	RR_7	0.08496780007758158	0.0905095638775813	-0.012232880964271936
102	round (R)	round (R)	round (R)	2	2	RR_8	0.09342280242903789	0.008372328635908378	-0.04186557719747727
103	round (R)	round (R)	round (R)	2	2	RR_9	-0.09704476304074303	-0.05215560440318115	0.031514583051284684
104	round (R)	round (R)	round (R)	2	1	RR_10	-0.06995565332080934	-0.04438101554451853	0.03541903220938472
105	round (R)	round (R)	round (R)	2	1	RR_11	0.1368334893531779	0.09715539590902253	0.04533976833526575
106	round (R)	round (R)	round (R)	2	3	RR_12	0.19677484161517744	0.05862968503372476	-0.012609578651078758
107	round (R)	sharp (S)	sharp (S)	1	0	RR_13	-0.04321622951066903	0.014133201573276378	0.034225049897731424
108	sharp (S)	round (R)	sharp (S)	1	0	RR_14	-0.14712003710991572	0.031835043201784194	-0.008588310842390772
109	round (R)	sharp (S)	sharp (S)	1	0	RR_15	-0.13689477211560386	0.019173695706604786	0.006196145835594807
110	round (R)	broken	round (R)	2	1	RR_16	-0.05292226672450928	-0.06661853459540332	-0.03293212244052603
111	round (R)	round (R)	round (R)	2	2	RR_17	-0.13282516758935686	0.01083836524472026	0.008255816030273687
112	sharp (S)	round (R)	sharp (S)	1	2	RR_18	-0.02042622531467314	-0.0032968123883317297	-0.032538791509202566
113	sharp (S)	round (R)	sharp (S)	1	1	RR_20	-0.12880482384088687	0.030791496191955606	-0.006723506493252519
114	round (R)	round (R)	round (R)	2	2	RR_21	0.10728197944937212	0.06577388669058347	-0.01293646022448541
115	round (R)	round (R)	round (R)	2	2	RR_23	0.0907677750391528	0.1146332222660005	0.002538660130145311
116	sharp (S)	round (R)	sharp (S)	1	1	RR_24	-0.09195996931061078	0.03490143655839695	0.016399162399993825
117	round (R)	round (R)	round (R)	2	2	RR_25	-0.04742860351298807	-0.09788858394127549	0.029826746000195123
118	round (R)	broken	round (R)	2	3	RR_27	0.1349547691458433	0.11188751300575171	-0.022955531398465845
119	round (R)	round (R)	round (R)	2	1	RR_28	0.02040970224275802	-0.021657106388593913	0.020722883694076648
120	round (R)	sharp (S)	sharp (S)	1	0	RR_29	-0.09856086950240761	-0.01841482145195652	-0.016095758983510983
121	sharp (S)	sharp (S)	sharp (S)	1	0	RR_30	-0.2047727164319505	0.07654026041730891	-0.014083475268133083

Type	Locality	Code	Taxa	Selection [0=not used/1=used in statistics]	Specimen	Age /Wear	Sex	Molar	Orientation	Picture number	Lmax	H3	H3/Lmax	OR (occlusal relief)	Table correspond.	
Fossil	Gerakarou	CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-2	Adult (A)		Im2	dex	1	1,57	0,27	0,171975	H	122	
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-3	Adult (A)		Im2	dex	2	1,53	0,29	0,189542	H	123	
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-4		Old (O)		UM2	dex	3	1,51	0,21	0,139073	H	124
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-135 (a)		Adult (A)		Im2	sin	4	1,52	0,28	0,184211	H	125
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-147		Juvenile (J)		Im1	dex	5	1,48	0,34	0,22973	H	126
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-237and1		Old (O)		Im3	dex	6	1,75	0,25	0,142857	H	127
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-183		Old (O)		Im2	dex	7	1,61	0,29	0,180124	H	128
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-185		Adult (A)		UM3	dex	8	1,42	0,28	0,197183	H	129
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-188		Adult (A)		UM2	sin	9	1,68	0,2	0,119048	H	130
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-192		Old (O)		UM2	dex	10	1,5	0,15	0,1	H	131
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-193		Adult (A)		UM3	dex	11	1,45	0,31	0,213793	H	132
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-194		Adult (A)		UM2	sin	12	1,48	0,32	0,216216	H	133
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-203		Adult (A)		UM2	sin	13	1,55	0,22	0,141935	H	134
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-205		Old (O)		UM2	sin	14	1,33	0,14	0,105263	H	135
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-206		Old (O)		UM3	sin	15	1,49	0,22	0,147651	H	136
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-212		Adult (A)		UM2	sin	16	1,54	0,26	0,168831	H	137
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-213		Old (O)		UM2	sin	17	1,51	0,24	0,15894	H	138
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-217		Adult (A)		UM2	sin	18	1,71	0,29	0,169591	H	139
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-220		Old (O)		Im2	sin	19	1,48	0,29	0,195946	H	140
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-224		Old (O)		Im1	dex	20	1,33	0,3	0,225564	H	141
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-230		Adult (A)		Im1	dex	21	1,19	0,24	0,201681	H	142
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-231		Old (O)		Im2	dex	22	1,53	0,25	0,163399	H	143
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-232		Old (O)		Im2	dex	23	1,46	0,26	0,178082	H	144
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-233		Adult (A)		Im1	sin	24	1,46	0,32	0,219178	H	145
		CG	<i>Croizetoceros ramosus gerakarensis</i>	0	GER-234		Old (O)		Im2	dex	25	1,42	0,23	0,161972	H	146
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-246		Old (O)		UM2	sin	26	1,65	0,08	0,048485	L	147
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-250		Old (O)		UM1	dex	27	1,52	0,12	0,078947	L	148
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-254		Adult (A)		UM2	dex	28	1,7	0,22	0,129412	H	149
		CG	<i>Croizetoceros ramosus gerakarensis</i>	1	GER-372		Adult (A)		UM2	dex	29	1,72	0,32	0,186047	H	150
ET			<i>Eucladoceros tegulensis</i>	0	GER-132	Adult (A)		UM2	dex	1	3,02	0,49	0,162252	H	151	

Table correspond.	Anterior cusp (1st)	Posterior cusp (2nd)	CS (Method X,Y)	Method X score	Method Y score	CS (cusp shape) for Method Z (only 1st cusp)			
						Id	PC1	PC2	PC3
122	sharp (S)	round (R)	sharp (S)	1	2	CG_1	0.011851122819555956	0.10449753816700824	-0.06401458296979246
123	round (R)	sharp (S)	round (R)	2	1	CG_2	0.11636463923765061	0.02899305845156365	-0.014785443270279253
124	round (R)	round (R)	round (R)	2	1	CG_3	0.07039778296395684	0.054517850806396845	-0.08500919703180719
125	round (R)	round (R)	sharp (S)	1	1	CG_4	0.056160066321628094	-0.03384397134093059	0,0008845094790860820
126	sharp (S)	sharp (S)	sharp (S)	1	0	CG_5	-0.19079421462849508	-0.12774223004327523	0.016240944856491704
127	round (R)	round (R)	round (R)	2	2	CG_6	-0.0753616300590533	0.023375150284369935	0.01249101823817727
128	sharp (S)	round (R)	sharp (S)	1	1	CG_7	-0.010139709629100638	-0.11409868457268486	0.0424582288275226
129	sharp (S)	sharp (S)	sharp (S)	1	1	CG_8	-0.1558388471008679	-0.017798833861077498	-0.036332491803827055
130	round (R)	round (R)	round (R)	2	2	CG_9	-0,0008680230258147	0.059137166715543435	-0.03098207611880017
131	round (R)	sharp (S)	sharp (S)	1	1	CG_10	-0.024389909376164455	-0.017929600129983774	-0.049586189114048065
132	sharp (S)	sharp (S)	sharp (S)	1	0	CG_11	-0.13977008362425286	-0.03154328699408152	-0.007108888601151702
133	sharp (S)	round (R)	sharp (S)	1	0	CG_12	-0.18573840383480517	-0.09854298708498052	-0.0017594683045635828
134	round (R)	round (R)	round (R)	2	2	CG_13	-0.08268062852417436	-0.015349949614481918	-0.015064912376518911
135	round (R)	sharp (S)	sharp (S)	1	3	CG_14	0.1182499376379789	-0.05482997875108913	0.0041937386512031155
136	sharp (S)	sharp (S)	sharp (S)	1	1	CG_15	-0.12279514527827298	-0.046433742233876245	0.01165886459445149
137	sharp (S)	sharp (S)	sharp (S)	1	1	CG_16	-0.14245638792045914	0.13513957074172017	-0.05513656495718222
138	round (R)	round (R)	round (R)	2	2	CG_17	0.0229494602421854	-0,00094151022717609	-0.04387400831661938
139	round (R)	round (R)	round (R)	2	2	CG_18	0.07621614329472526	0.040210846078218565	0.05379318585065503
140	round (R)	round (R)	round (R)	2	3	CG_19	0.03953544893421407	0.07605131597410986	0.011577939826848783
141	round (R)	round (R)	round (R)	2	3	CG_20	0.04561936083963397	0.03210025682765086	0.016772150914777073
142	sharp (S)	round (R)	sharp (S)	1	2	CG_21	0.020444178150537052	-0.055432195142025624	0.021380544570371807
143	round (R)	round (R)	round (R)	2	3	CG_22	0.18402061192310465	0.0093724449575689015	-0.0059630833705960635
144	round (R)	broken	round (R)	2	3	CG_23	0.2120496690101364	-0.03058740142385269	0.10174715370717355
145	sharp (S)	sharp (S)	sharp (S)	1	0	CG_24	-0.016333019985934824	-0.09736527977538034	-0.010188032520511453
146	broken	round (R)	round (R)	2	2				
147	round (R)	round (R)	round (R)	3	3	CG_26	0.06318009510083991	0.006396874435008139	-0.009755736984010792
148	round (R)	round (R)	round (R)	3	4	CG_27	0.11843083659080444	-0.012005321666068703	-0.0026285307128468636
149	round (R)	sharp (S)	sharp (S)	1	3	CG_28	-0.06684452181195143	0.015158738624871222	-0.017287843561153933
150	sharp (S)	round (R)	sharp (S)	1	0	CG_29	-0.1115597795264613	-0.14198736682358207	0.014258075183800165
151	broken	sharp (S)	sharp (S)	1	1				

Type	Locality	Code	Taxa	Selection [0=not used/1=used in statistics]	Specimen	Age /Wear	Sex	Molar	Orientation	Picture number	Lmax	H3	H3/Lmax	OR (occlusal relief)	Table correspond.	
Fossil	Gerakarou	ET	<i>Eucladoceros tegulensis</i>	1	GER-134	Adult (A)		UM2	dex	2	2,19	0,51	0,232877	H	152	
		ET	<i>Eucladoceros tegulensis</i>	1	GER-136	Adult (A)		Im3	dex	3	3,47	0,49	0,14121	H	153	
		ET	<i>Eucladoceros tegulensis</i>	1	GER-187	Adult (A)			UM2	sin	4	2,93	0,51	0,174061	H	154
		ET	<i>Eucladoceros tegulensis</i>	1	GER-345	Adult (A)			Im2	dex	5	2,54	0,4	0,15748	H	155
		AK	<i>Antilope koufosi</i>	1	GER-48	Adult (A)			UM2	dex	1	1,46	0,27	0,184932	H	156
		AK	<i>Antilope koufosi</i>	1	GER-148	Adult (A)			Im2	sin	2	1,28	0,25	0,195313	H	157
		AK	<i>Antilope koufosi</i>	1	GER-348	Adult (A)			UM1	sin	3	1,25	0,18	0,144	H	158
		BO	<i>Bovindet.</i>	0	GER-370	Juvenile (J)			Im2	sin	1	1,8	0,42	0,233333	H	159
		LE	<i>Leptobos cf. etruscus</i>	0	GER-130	Juvenile (J)			Im1	dex	1	2,91	0,52	0,178694	H	160
		GB	<i>Gazella bouvrinae</i>	1	GER-131	Juvenile (J)			UM3	dex	1	1,64	0,26	0,158537	H	161
		GB	<i>Gazella bouvrinae</i>	1	GER-133	Old (O)			Im2	sin	2	1,41	0,28	0,198582	H	162
		GB	<i>Gazella bouvrinae</i>	1	GER-137	Old (O)			Im3	dex	3	2,2	0,13	0,059091	L	163
		GB	<i>Gazella bouvrinae</i>	1	GER-144	Adult (A)			Im2	dex	4	1,45	0,28	0,193103	H	164
		GB	<i>Gazella bouvrinae</i>	1	GER-144b	Adult (A)			Im2	dex	5	1,55	0,25	0,16129	H	165
		GB	<i>Gazella bouvrinae</i>	1	GER-149	Adult (A)			Im2	dex	6	1,4	0,27	0,192857	H	166
		GB	<i>Gazella bouvrinae</i>	1	GER-184	Adult (A)			Im2	dex	7	1,45	0,28	0,193103	H	167
		GB	<i>Gazella bouvrinae</i>	1	GER-189	Adult (A)			Im1	dex	8	1,36	0,24	0,176471	H	168
		GB	<i>Gazella bouvrinae</i>	1	GER-195	Old (O)			UM2	sin	9	1,5	0,17	0,113333	H	169
		GB	<i>Gazella bouvrinae</i>	1	GER-196	Adult (A)			UM2	dex	10	1,69	0,23	0,136095	H	170
		GB	<i>Gazella bouvrinae</i>	1	GER-197	Old (O)			UM2	dex	11	1,39	0,07	0,05036	L	171
		GB	<i>Gazella bouvrinae</i>	1	GER-198	Adult (A)			UM3	sin	12	1,55	0,18	0,116129	H	172
		GB	<i>Gazella bouvrinae</i>	1	GER-199	Old (O)			UM2	dex	13	1,42	0,22	0,15493	H	173
		GB	<i>Gazella bouvrinae</i>	0	GER-201	Old (O)			UM2	dex	14	1,6	0,14	0,0875	L	174
		GB	<i>Gazella bouvrinae</i>	1	GER-204	Adult (A)			UM2	sin	15	1,78	0,26	0,146067	H	175
		GB	<i>Gazella bouvrinae</i>	1	GER-209	Adult (A)			UM2	dex	16	1,42	0,2	0,140845	H	176
		GB	<i>Gazella bouvrinae</i>	1	GER-210	Old (O)			UM2	sin	17	1,49	0,21	0,14094	H	177
		GB	<i>Gazella bouvrinae</i>	1	GER-211	Old (O)			UM3	sin	18	1,7	0,28	0,164706	H	178
		GB	<i>Gazella bouvrinae</i>	1	GER-219	Old (O)			Im2	sin	19	1,39	0,21	0,151079	H	179
		GB	<i>Gazella bouvrinae</i>	1	GER-221	Old (O)			Im2	dex	20	1,44	0,32	0,222222	H	180
GB	<i>Gazella bouvrinae</i>	1	GER-222	Old (O)			Im2	dex	21	1,41	0,24	0,170213	H	181		

Table correspond.	Anterior cusp (1st)	Posterior cusp (2nd)	CS (Method X,Y)	Method X score	Method Y score	CS (cusp shape) for Method Z (only 1st cusp)			
						Id	PC1	PC2	PC3
152	sharp (S)	sharp (S)	sharp (S)	1	0	ET_2	-0.11015767145261551	-0.11117378129411752	0.015540710523886732
153	sharp (S)	round (R)	sharp (S)	1	1	ET_3	0.17528107542669558	-0.06981356862956775	0.04817524480288455
154	round (R)	sharp (S)	sharp (S)	1	1	ET_4	-0.15494615938978046	-0.00994124670042875	-0,000837641077203681
155	sharp (S)	broken	sharp (S)	1	1	ET_5	-0.11401217143426208	-0.020173788798070844	0.00927733709302398
156	round (R)	round (R)	round (R)	2	1	AK_1	-0.0684088568015095	-0.0050410379355282624	0.005785917684507591
157	round (R)	round (R)	round (R)	2	3	AK_2	0.10350881347465977	-0.009741341066416616	-0.00975993192500216
158	round (R)	sharp (S)	sharp (S)	1	1	AK_3	0.031689028048692	0.035498442471348715	-0.028028895123922513
159	sharp (S)	sharp (S)	sharp (S)	1	0	BO_1	-0.11834679086263775	-0.09330768647538204	0.02209218658280045
160	round (R)	sharp (S)	sharp (S)	1	1	LE_1	0.06734143608772436	0.09704414958396591	0.051954019425687795
161	round (R)	sharp (S)	sharp (S)	1	1	GB_1	0.012538073046971122	0.12990660112801775	0.015069693861276521
162	sharp (S)	sharp (S)	sharp (S)	1	1	GB_2	-0.021087820432508536	-0.08759258902101939	0.01528462978100278
163	round (R)	round (R)	round (R)	3	3	GB_3	0.08074379080942139	-0.019609501101200848	-0,000151661514101363
164	sharp (S)	sharp (S)	sharp (S)	1	0	GB_4	-0.08876270493756439	-0.055970573034610956	0.017495869197813943
165	round (R)	round (R)	round (R)	2	3	GB_5	0.05033713097556553	0.06287325771221222	-0.0037121506762611105
166	round (R)	sharp (S)	sharp (S)	1	1	GB_6	-0.03435597717790805	-0.01892996699114653	-0.013371775579729035
167	sharp (S)	sharp (S)	sharp (S)	1	0	GB_7	-0.1602412596605427	0.016493074776790774	-0.013329383993253615
168	sharp (S)	sharp (S)	sharp (S)	1	1	GB_8	-0.09355571578986058	-0.08774270748350363	0.03936196775238757
169	sharp (S)	round (R)	sharp (S)	1	1	GB_9	-0.118971663637535	-0.04354885749402221	0.024947881929634833
170	round (R)	blunt (B)	round (R)	2	2	GB_10	-0.05628358031802405	0.005965691730216076	0.0343175042580664
171	blunt (B)	blunt (B)	blunt (B)	4	4	GB_11	0.09636763990579147	0.060190725421368135	-0.019553068035580445
172	round (R)	round (R)	round (R)	2	1	GB_12	0.0435235652207769	0.10639080710759394	0.0028192528067806297
173	round (R)	sharp (S)	sharp (S)	1	1	GB_13	0.07065825847763987	0.07718786634051035	0.0012061750806955478
174	broken	blunt (B)	blunt (B)	4	3				
175	sharp (S)	sharp (S)	sharp (S)	1	0	GB_15	-0.17325468703564154	-0.01616183878010366	-0.006169580477481888
176	round (R)	sharp (S)	sharp (S)	1	1	GB_16	-0.08124768387628722	0.030547100939072258	-0.04456444233308694
177	round (R)	round (R)	round (R)	2	2	GB_17	-0.112914542670884	0.07683527811106133	0.0017947264231325012
178	sharp (S)	sharp (S)	sharp (S)	1	1	GB_18	-0.14333208979642997	-0.1487427531250613	-0.00560016679059188
179	round (R)	blunt (B)	round (R)	2	3	GB_19	0.003971452502527917	-0.025951271801284596	0.024147943650692383
180	round (R)	blunt (B)	round (R)	2	2	GB_20	-0.023334015172564997	-0.006773555089422374	0.01942166385182305
181	round (R)	broken	round (R)	2	4	GB_21	0.04143538961644242	-0.05605078161300733	0.014318382636187139

Type	Locality	Code	Taxa	Selection [0=not used/1=used in statistics]	Specimen	Age /Wear	Sex	Molar	Orientation	Picture number	Lmax	H3	H3/Lmax	OR (occlusal relief)	Table correspond.	
Fossil	Gerakarou	GB	<i>Gazella bouvrinae</i>	0	GER-223	Adult (A)		Im2	dex	22	1,59	0,22	0,138365	H	182	
		GB	<i>Gazella bouvrinae</i>	1	GER-225	Old (O)		Im2	dex	23	1,22	0,21	0,172131	H	183	
		GB	<i>Gazella bouvrinae</i>	1	GER-226		Old (O)		Im2	sin	24	1,63	0,3	0,184049	H	184
		GB	<i>Gazella bouvrinae</i>	1	GER-227		Old (O)		Im3	sin	25	2,06	0,28	0,135922	H	185
		GB	<i>Gazella bouvrinae</i>	1	GER-228		Old (O)		Im2	sin	26	1,46	0,37	0,253425	H	186
		GB	<i>Gazella bouvrinae</i>	1	GER-229		Old (O)		Im2	sin	27	1,39	0,25	0,179856	H	187
		GB	<i>Gazella bouvrinae</i>	1	GER-235		Old (O)		Im2	sin	28	1,23	0,2	0,162602	H	188
		GB	<i>Gazella bouvrinae</i>	1	GER-236		Old (O)		UM2	sin	29	1,56	0,28	0,179487	H	189
		GB	<i>Gazella bouvrinae</i>	1	GER-238		Adult (A)		Im3	dex	30	1,64	0,24	0,146341	H	190
		GB	<i>Gazella bouvrinae</i>	1	GER-239		Adult (A)		Im3	sin	31	2,06	0,25	0,121359	H	191
		GB	<i>Gazella bouvrinae</i>	1	GER-242		Adult (A)		UM1	sin	32	1,47	0,18	0,122449	H	192
		GB	<i>Gazella bouvrinae</i>	1	GER-243		Adult (A)		Im3	dex	33	1,98	0,25	0,126263	H	193
		GB	<i>Gazella bouvrinae</i>	1	GER-244		Adult (A)		UM1	sin	34	1,61	0,25	0,15528	H	194
		GB	<i>Gazella bouvrinae</i>	1	GER-369		Adult (A)		UM2	sin	35	1,62	0,24	0,148148	H	195
		EA	<i>Equus altidens</i>	1	GER-8		Adult (A)		UM2	dex	1	2,3	0,1	0,043478	L	196
		EA	<i>Equus altidens</i>	1	GER-9		Adult (A)		UM2	dex	2	2,65	0,23	0,086792	L	197
		EA	<i>Equus altidens</i>	1	GER-10		Juvenile (J)		UM2	sin	3	2,82	0,23	0,08156	L	198
		EA	<i>Equus altidens</i>	1	GER-11		Adult (A)		Im2	dex	4	2,16	0,14	0,064815	L	199
		EA	<i>Equus altidens</i>	1	GER-12		Old (O)		Im2	sin	5	2,47	0,16	0,064777	L	200
		EA	<i>Equus altidens</i>	1	GER-122		Adult (A)		UM2	dex	6	2,58	0,1	0,03876	L	201
		EA	<i>Equus altidens</i>	1	GER-31		Adult (A)		UM2	dex	7	2,39	0,06	0,025105	L	202
		EA	<i>Equus altidens</i>	1	GER-32		Adult (A)		Im2	dex	8	2,53	0,22	0,086957	L	203
		EA	<i>Equus altidens</i>	1	GER-33		Old (O)		Im2	sin	9	2,53	0,11	0,043478	L	204
		EA	<i>Equus altidens</i>	1	GER-34		Adult (A)		Im2	dex	10	2,81	0,18	0,064057	L	205
		EA	<i>Equus altidens</i>	1	GER-35		Adult (A)		UM2	sin	11	2,64	0,27	0,102273	H	206
EA	<i>Equus altidens</i>	0	GER-36		Adult (A)		UM3	dex	12	2,65	0,12	0,045283	L	207		
EA	<i>Equus altidens</i>	1	GER-71		Old (O)		Im2	dex	13	2,69	0,15	0,055762	L	208		

Table correspond.	Anterior cusp (1st)	Posterior cusp (2nd)	CS (Method X,Y)	Method X score	Method Y score	CS (cusp shape) for Method Z (only 1st cusp)			
						Id	PC1	PC2	PC3
182	broken	round (R)	round (R)	2	2				
183	round (R)	sharp (S)	sharp (S)	1	2	GB_23	0.16468035243526608	-0.03495353097547631	-0.04227738195916043
184	round (R)	round (R)	round (R)	2	1	GB_24	-0.06019025321300568	0.05710438371522743	0.003597649130306928
185	sharp (S)	round (R)	sharp (S)	1	1	GB_25	-0.03774731767833528	-0.04568654634353134	0.05453873710816633
186	sharp (S)	sharp (S)	sharp (S)	1	1	GB_26	-0.1454315279995727	0.026975669940526942	-0.0488622708703061
187	round (R)	broken	round (R)	2	3	GB_27	0.12513389900650146	0,000659470476007839	0.020741680888047054
188	round (R)	blunt (B)	round (R)	2	3	GB_28	0.0687359218368079	-0.09091942060822411	0.01594149092092994
189	round (R)	sharp (S)	sharp (S)	1	1	GB_29	0.13273446384429155	-0.010740857183878648	0.02403690663753634
190	round (R)	sharp (S)	sharp (S)	1	1	GB_30	-0.03442446134976644	0.009791074493161451	0.01819515473207272
191	sharp (S)	sharp (S)	sharp (S)	1	0	GB_31	-0.0024042283409604123	-0.1231840559230544	0.038475043598159064
192	sharp (S)	blunt (B)	sharp (S)	1	1	GB_32	-0.10366178439832607	-0.06311265327016337	-0.010961511381965487
193	sharp (S)	sharp (S)	sharp (S)	1	1	GB_33	-0.0668335167423892	0.05982170695354077	-0.03202008617361639
194	sharp (S)	blunt (B)	sharp (S)	1	0	GB_34	-0.28527110778672954	-0.008475944044515068	0.02841352925096277
195	sharp (S)	sharp (S)	sharp (S)	1	0	GB_35	-0.12553921718103417	-0.22063474582908998	0.010337519883348113
196	round (R)	blunt (B)	round (R)	3	1	EA_1	0.19164321541049587	-0.135491217904566	0.13342725302907318
197	round (R)	round (R)	round (R)	3	2	EA_2	0.13719825834537677	-0.035417270956240025	-0.00858240309366099
198	blunt (B)	blunt (B)	blunt (B)	4	5	EA_3	0.18415228612387258	0.059554695736556515	-0.013598439963155726
199	round (R)	blunt (B)	round (R)	3	4	EA_4	0.08505920940039347	0.02641309658395191	0.012749903713099912
200	blunt (B)	blunt (B)	blunt (B)	4	6	EA_5	0.06662792905863862	0.23496207430241028	-0.13906320802058583
201	blunt (B)	blunt (B)	blunt (B)	4	5	EA_6	0.1386149408311767	0.27164321624368515	-0.04319322987083883
202	blunt (B)	blunt (B)	blunt (B)	4	5	EA_7	0.11349823253943903	0.2868592867720688	-0.03882227958435989
203	blunt (B)	round (R)	round (R)	3	5	EA_8	0.13111824785923454	0.12615759031128207	0.007141402999783442
204	blunt (B)	blunt (B)	blunt (B)	4	6	EA_9	0.006525848897023336	0.0728864564284369	0.034421950216261904
205	blunt (B)	blunt (B)	blunt (B)	4	6	EA_10	0.07778845779331375	0.06300618699113093	-0.012959557799006531
206	sharp (S)	round (R)	sharp (S)	1	1	EA_11	0.16932886463607338	-0.22682643946900527	-0.005712910754610414
207	broken	round (R)	round (R)	3	5				
208	blunt (B)	blunt (B)	blunt (B)	4	6	EA_13	0.13458197478471845	0.19842314767390323	-0.08187665713940247

C1.Method X Comparative data

Continent	Group	Species	Code	Mesowear score [1=HS, 2=HR, 3=LR, 4=LB]	N (Number of specimens)	Diet
NA-Eurasia	Cervidae	<i>Alces alces</i>	Aa	1	30	Browser (B)
EurAsia	Cervidae	<i>Capreolus capreolus</i>	OI	2	17	Browser (B)
EurAsia	Cervidae	<i>Capreolus capreolus</i>	OI	1	48	Browser (B)
EurAsia	Cervidae	<i>Capreolus capreolus</i>	OI	4	2	Browser (B)
E Asia	Bovidae	<i>Budorcas taxicolor</i>	Bt	2	22	Browser (B)
E Asia	Bovidae	<i>Budorcas taxicolor</i>	Bt	1	14	Browser (B)
E Asia	Bovidae	<i>Budorcas taxicolor</i>	Bt	3	1	Browser (B)
SE Asia	Cervidae	<i>Cervus unicolor</i>	Cu	2	17	Mixed feeder (M)
SE Asia	Cervidae	<i>Cervus unicolor</i>	Cu	1	2	Mixed feeder (M)
SE Asia	Cervidae	<i>Cervus unicolor</i>	Cu	4	1	Mixed feeder (M)
NA-Easia	Cervidae	<i>Cervus canadensis</i>	Cc	2	19	Mixed feeder (M)
Canada +	Bovidae	<i>Ovibos moschatus</i>	Om	2	19	Mixed feeder (M)
Canada +	Bovidae	<i>Ovibos moschatus</i>	Om	1	23	Mixed feeder (M)
Canada +	Bovidae	<i>Ovibos moschatus</i>	Om	3	5	Mixed feeder (M)
India	Bovidae	<i>Boselaphus tragocamelus</i>	Tr	2	13	Mixed feeder (M)
India	Bovidae	<i>Boselaphus tragocamelus</i>	Tr	3	2	Mixed feeder (M)
Europe	Bovidae	<i>Capra ibex</i>	Ci	2	9	Mixed feeder (M)
Europe	Bovidae	<i>Capra ibex</i>	Ci	1	14	Mixed feeder (M)
Europe	Bovidae	<i>Capra ibex</i>	Ci	4	1	Mixed feeder (M)
SE Asia	Bovidae	<i>Carpicornis sumatraensis</i>	Ca	2	15	Mixed feeder (M)
SE Asia	Bovidae	<i>Carpicornis sumatraensis</i>	Ca	1	7	Mixed feeder (M)
Arab Emira	Equid	<i>Equus asinus</i>	Ea	1	5	Mixed feeder (M)
Arab Emira	Equid	<i>Equus asinus</i>	Ea	2	9	Mixed feeder (M)
Arab Emira	Equid	<i>Equus asinus</i>	Ea	3	2	Mixed feeder (M)
Arab Emira	Equid	<i>Equus asinus</i>	Ea	4	1	Mixed feeder (M)
India	Cervidae	<i>Axis axis</i>	Ax	2	30	Grazer (G)
India	Cervidae	<i>Axis axis</i>	Ax	1	3	Grazer (G)
India	Cervidae	<i>Axis axis</i>	Ax	4	9	Grazer (G)
India	Cervidae	<i>Axis axis</i>	Ax	3	1	Grazer (G)
SE Asia	Cervidae	<i>Axis porcinus</i>	Ap	2	20	Grazer (G)
SE Asia	Cervidae	<i>Axis porcinus</i>	Ap	1	1	Grazer (G)
SE Asia	Cervidae	<i>Axis porcinus</i>	Ap	3	2	Grazer (G)
India	Cervidae	<i>Cervus duvauceli</i>	Cd	2	28	Grazer (G)
India	Cervidae	<i>Cervus duvauceli</i>	Cd	1	5	Grazer (G)
India	Cervidae	<i>Cervus duvauceli</i>	Cd	4	12	Grazer (G)
India	Cervidae	<i>Cervus duvauceli</i>	Cd	3	4	Grazer (G)
India	Bovidae	<i>Tetraceros quadricornis</i>	Tq	2	14	Grazer (G)
India	Bovidae	<i>Tetraceros quadricornis</i>	Tq	1	5	Grazer (G)
India	Bovidae	<i>Tetraceros quadricornis</i>	Tq	3	1	Grazer (G)



Summary statistics of the comparative dataset for Mesowear method X

	Aa	OI	Bt	Cu	Cc	Om	Tr	Ci	Ca	Ea	Ax	Ap	Cd	Tq
N	30	67	37	20	19	47	15	24	22	17	43	23	49	20
Min	1	1	1	1	1	1	2	1	1	1	1	1	1	1
Max	1	4	3	4	2	3	3	4	2	4	4	3	4	3
Sum	30	90	61	40	29	76	32	36	37	33	102	47	121	36
Mean	1	1,343284	1,648649	2	1,526316	1,617021	2,133333	1,5	1,681818	1,941176	2,372093	2,043478	2,469388	1,8
Standard error	0	0,078291	0,088499	0,125656	0,117688	0,098805	0,090851	0,147442	0,10164	0,200562	0,137302	0,076439	0,140159	0,11698
Variance	0	0,410674	0,28979	0,31579	0,263158	0,458834	0,12381	0,521739	0,227273	0,683824	0,810631	0,134387	0,962585	0,273684
Standard deviation	0	0,640838	0,538321	0,561952	0,512989	0,677373	0,351866	0,722315	0,476731	0,826936	0,900351	0,366589	0,981114	0,523148
Median	1	1	2	2	2	2	2	1	2	2	2	2	2	2
25 percentile	1	1	1	2	1	1	2	1	1	1	2	2	2	1,25
75 percentile	1	2	2	2	2	2	2	2	2	2	2	2	3,5	2
Skewness	0	2,396048	-0,07508	1,977237	-0,11467	0,649449	2,404763	1,887869	-0,83905	0,868603	1,018862	0,618924	0,571963	-0,29408
Kurtosis	0	7,038439	-0,86432	9,5	-2,23529	-0,61378	4,349112	4,965909	-1,43579	1,095763	-0,10977	6,002966	-0,88228	0,45742
Geometric mean	1	1,242661	1,555557	1,931873	1,440247	1,487478	2,1111	1,373954	1,60416	1,782034	2,223972	2,010268	2,282491	1,716236
Coefficient of variation	0	47,70686	32,65227	28,09757	33,60964	41,89018	16,49371	48,15434	28,34619	42,59975	37,95596	17,93945	39,73107	29,0638

## C2. Summary



### Mesowear summary statistics for Methods X,Y,Z

Method X	CC	CE	OA	RR	CG	ET	AK	LE	BO	GB	EA	
N		21	38	26	25	28	4	3	1	1	33	12
Min		1	1	1	1	1	1	1	1	1	1	1
Max		2	2	2	2	3	1	2	1	1	4	4
Sum		37	59	39	41	43	4	5	1	1	51	41
Mean		1,761905	1,552632	1,5	1,64	1,535714	1	1,666667	1	1	1,545455	3,416667
Standard error		0,095238	0,081743	0,1	0,09798	0,120429	0	0,333333	-	-	0,144933	0,259905
Variance		0,190476	0,253912	0,26	0,24	0,406085	0	0,333333	0	0	0,693182	0,810606
Standard deviation		0,436436	0,503897	0,509902	0,489898	0,637248	0	0,57735	0	0	0,832575	0,900337
Median		2	2	1,5	2	1	1	2	1	1	1	4
25 percentile		1,5	1	1	1	1	1	1	1	1	1	3
75 percentile		2	2	2	2	2	1	2	1	1	2	4
Skewness		-1,32654	-0,2205	-2,89E-17	-0,62125	0,782068	0	-1,73205	0	0	1,749238	-1,94527
Kurtosis		-0,27632	-2,06296	-2,173913	-1,76219	-0,29481	0	-2,33333	0	0	2,916524	4,369639
Geometric mean		1,695728	1,466759	1,414214	1,558329	1,420175	1	1,587401	1	1	1,387292	3,237741
Coefficient of variation		24,77068	32,45436	33,99346	29,87183	41,4952	0	34,64102	0	0	53,87253	26,35132

Method Y	CC	CE	OA	RR	CG	ET	AK	LE	BO	GB	EA	
N		21	38	26	25	28	4	3	1	1	33	12
Min		0	0	0	0	0	0	1	1	0	0	1
Max		3	3	4	3	4	1	3	1	0	4	6
Sum		38	44	33	35	47	3	5	1	0	49	52
Mean		1,809524	1,157895	1,269231	1,4	1,678571	0,75	1,666667	1	0	1,484848	4,333333
Standard error		0,214021	0,116409	0,2389573	0,2	0,218542	0,25	0,666667	-	-	0,204686	0,55505
Variance		0,961905	0,514936	1,484615	1	1,337302	0,25	1,333333	0	0	1,382576	3,69697
Standard deviation		0,980767	0,71759	1,218448	1	1,156418	0,5	1,154701	0	0	1,17583	1,922751
Median		2	1	1	2	2	1	1	1	0	1	5
25 percentile		1	1	0	0,5	1	0,25	1	1	0	1	2,5
75 percentile		3	2	2	2	3	1	3	1	0	2,5	6
Skewness		-0,28479	0,218144	0,8747219	-0,1087	0,070861	-2	1,732051	0	0	0,652485	-1,02995
Kurtosis		-0,87491	0,018393	0,09747796	-1,05138	-0,9883	4	-2,33333	0	0	-0,5038	-0,47979
Geometric mean		0	0	0	0	0	0	1,44225	1	0	0	3,695143
Coefficient of variation		54,20031	61,97372	95,99893	71,42857	68,89296	66,66667	69,28203	0	NAN	79,18854	44,37117

Method Z

H3/Lmax	CC	CE	OA	RR	CG	ET	AK	LE	BO	GB	EA
N	21	38	26	25	28	4	3	1	1	33	12
Min	0,140496	0,120623	0,1597222	0,174242	0,048485	0,14121	0,144	0,178694	0,233333	0,05036	0,025105
Max	0,248062	0,270742	0,3096774	0,335571	0,22973	0,232877	0,195313	0,178694	0,233333	0,253425	0,102273
Sum	3,966248	8,043401	5,983149	6,675579	4,602703	0,705629	0,524244	0,178694	0,233333	5,016183	0,757814
Mean	0,188869	0,211668	0,2301211	0,267023	0,164382	0,176407	0,174748	0,178694	0,233333	0,152006	0,063151
Standard error	0,006174	0,004794	0,00721073	0,008808	0,008546	0,019982	0,015663	-	-	0,007138	0,00667
Variance	0,000801	0,000873	0,00135186	0,001939	0,002045	0,001597	0,000736	0	0	0,001681	0,000534
Standard deviation	0,028294	0,029551	0,03676763	0,044038	0,04522	0,039964	0,02713	0	0	0,041004	0,023105
Median	0,188406	0,213379	0,2349655	0,267176	0,170783	0,165771	0,184932	0,178694	0,233333	0,15493	0,064417
25 percentile	0,168559	0,191784	0,2014666	0,232129	0,139789	0,145278	0,144	0,178694	0,233333	0,131093	0,043478
75 percentile	0,207404	0,228935	0,2601552	0,297697	0,196874	0,218173	0,195313	0,178694	0,233333	0,177979	0,085484
Skewness	0,342328	-0,43858	0,1501444	-0,2775	-0,75054	1,354437	-1,45114	0	0	-0,29093	0,067312
Kurtosis	-0,35362	1,35013	-0,2618232	-0,63073	0,277781	1,961263	-2,33333	0	0	1,314324	-0,80288
Geometric mean	0,186873	0,209493	0,2272676	0,263346	0,156545	0,173273	0,173261	0,178694	0,233333	0,1454	0,058881
Coefficient of variation	14,98071	13,96085	15,97751	16,49238	27,5091	22,65437	15,52505	0	0	26,97562	36,58715

PC1	CC	CE	OA	RR	CG	ET	AK	LE	BO	GB	EA
N	21	38	26	25	28	4	3	1	1	33	12
Min	-0,17686	-0,15086	-0,18282	-0,20477	-0,19079	-0,15495	-0,06841	0,067341	-0,11835	-0,28527	0,006526
Max	0,254584	0,127527	0,1702369	0,196775	0,21205	0,175281	0,103509	0,067341	-0,11835	0,16468	0,191643
Sum	0,577817	-0,41169	0,2195597	-0,38568	-0,1701	-0,20383	0,066789	0,067341	-0,11835	-1,07799	1,436137
Mean	0,027515	-0,01083	0,00844461	-0,01543	-0,00608	-0,05096	0,022263	0,067341	-0,11835	-0,03267	0,119678
Standard error	0,023223	0,011918	0,01967002	0,021373	0,020653	0,076091	0,049852	-	-	0,017637	0,01543
Variance	0,011325	0,005398	0,01005965	0,01142	0,011943	0,023159	0,007456	0	0	0,010265	0,002857
Standard deviation	0,10642	0,07347	0,1002978	0,106866	0,109286	0,152182	0,086346	0	0	0,101316	0,053452
Median	0,045155	-0,01181	-0,0169307	-0,04322	0,005492	-0,11208	0,031689	0,067341	-0,11835	-0,03442	0,13285
25 percentile	-0,0535	-0,07689	-0,0519091	-0,0978	-0,10434	-0,14471	-0,06841	0,067341	-0,11835	-0,10829	0,079606
75 percentile	0,092669	0,041938	0,1081561	0,087868	0,068593	0,103921	0,103509	0,067341	-0,11835	0,04693	0,16165
Skewness	0,209118	0,106862	0,159365	0,249578	0,01922	1,891054	-0,48539	0	0	-0,10194	-0,66657
Kurtosis	-0,05364	-0,84512	-0,8179606	-0,9352	-0,718	3,683022	-2,33333	0	0	-0,10701	0,345174
Geometric mean	0	0	0	0	0	0	0	0,067341	0	0	0,096533
Coefficient of variation	386,768	-678,139	1187,714	-692,71	-1798,94	-298,638	387,8435	0	0	-310,155	44,66351

PC2	CC	CE	OA	RR	CG	ET	AK	LE	BO	GB	EA	
N	21	38	26	25	25	28	4	3	1	1	33	12
Min	-0,08068	-0,11357	-0,1245836	-0,11732	-0,14199	-0,11117	-0,00974	0,097044	-0,09331	-0,22063	-0,22683	
Max	0,073755	0,106683	0,08653134	0,114633	0,13514	-0,00994	0,035498	0,097044	-0,09331	0,129907	0,286859	
Sum	-0,14562	-0,06988	-0,2222669	0,437769	-0,31148	-0,2111	0,020716	0,097044	-0,09331	-0,44404	0,942171	
Mean	-0,00693	-0,00184	-0,0085487	0,017511	-0,01112	-0,05278	0,006905	0,097044	-0,09331	-0,01346	0,078514	
Standard error	0,010129	0,009264	0,0115358	0,012344	0,012775	0,023449	0,014361	-	-	0,012967	0,045825	
Variance	0,002154	0,003261	0,00345994	0,003809	0,00457	0,002199	0,000619	0	0	0,005548	0,025199	
Standard deviation	0,046416	0,057109	0,05882129	0,06172	0,067599	0,046898	0,024874	0	0	0,074488	0,158742	
Median	-0,00644	-0,01082	-0,0118137	0,018258	-0,01368	-0,04499	-0,00504	0,097044	-0,09331	-0,01074	0,067946	
25 percentile	-0,04323	-0,03862	-0,0507564	-0,02004	-0,05273	-0,10083	-0,00974	0,097044	-0,09331	-0,05601	-0,01996	
75 percentile	0,025145	0,041823	0,03803588	0,066588	0,031323	-0,0125	0,035498	0,097044	-0,09331	0,043826	0,225827	
Skewness	-0,06474	0,114464	-0,2813891	-0,40497	-0,01929	-0,58724	1,66273	0	0	-0,51376	-0,49066	
Kurtosis	-0,85122	-0,62784	-0,7207302	-0,22794	-0,11576	-2,32973	-2,33333	0	0	0,764039	-0,29801	
Geometric mean	0	0	0	0	0	0	0	0,097044	0	0	0	
Coefficient of variation	-669,365	-3105,5	-688,0708	352,4711	-607,671	-88,8633	360,2076	0	0	-553,579	202,1821	

Each taxon is split in three groups per age [J=juvenile, A=adult, O=old]

Method X per age (extant)	CC			CE			OA			RR		
	Juveniles	Adults	Old									
N	5	15	1	9	28	1	13	9	4	8	14	3
Min	1	1	2	1	1	2	1	1	2	1	1	2
Max	2	2	2	2	2	2	2	2	2	2	2	2
Sum	9	26	2	12	45	2	17	14	8	9	26	6
Mean	1,8	1,733333	2	1,333333	1,607143	2	1,307692	1,555556	2	1,125	1,857143	2
Standard error	0,2	0,118187	-	0,166667	0,09399	-	0,133235	0,175682	0	0,125	0,097052	0
Variance	0,2	0,209524	0	0,25	0,247355	0	0,230769	0,277778	0	0,125	0,131868	0
Standard deviation	0,447214	0,457738	0	0,5	0,497348	0	0,480385	0,527046	0	0,353553	0,363137	0
Median	2	2	2	1	2	2	1	2	2	1	2	2
25 percentile	1,5	1	2	1	1	2	1	1	2	1	2	2
75 percentile	2	2	2	2	2	2	2	2	2	1	2	2
Skewness	-2,23607	-1,17635	0	0,857143	-0,464	0	0,946212	-0,27105	0	2,828427	-2,29482	0
Kurtosis	5	-0,73427	0	-1,71429	-1,9281	0	-1,33939	-2,57143	0	8	3,791667	0
Geometric mean	1,741101	1,662476	2	1,259921	1,52324	2	1,237726	1,469734	2	1,090508	1,811447	2
Coefficient of variation	24,8452	26,40794	0	37,5	30,94606	0	36,73528	33,88155	0	31,42697	19,5535	0

Method X per age (fossil)	CG			ET	AK	LE	BO	GB			EA		
	Juveniles	Adults	Old	Adults	Adults	Juveniles	Juveniles	Juveniles	Adults	Old	Juveniles	Adults	Old
N	1	14	13	4	3	1	1	1	15	17	1	8	3
Min	1	1	1	1	1	1	1	1	1	1	4	1	4
Max	1	2	3	1	2	1	1	1	2	4	4	4	4
Sum	1	18	24	4	5	1	1	1	18	32	4	25	12
Mean	1	1,285714	1,846154	1	1,666667	1	1	1	1,2	1,882353	4	3,125	4
Standard error	-	0,125294	0,1910213	0	0,333333	-	-	-	0,106905	0,240746	-	0,350382	0
Variance	0	0,21978	0,474359	0	0,333333	0	0	0	0,171429	0,985294	0	0,982143	0
Standard deviation	0	0,468807	0,6887372	0	0,57735	0	0	0	0,414039	0,99262	0	0,991031	0
Median	1	1	2	1	2	1	1	1	1	2	4	3	4
25 percentile	1	1	1	1	1	1	1	1	1	1	4	3	4
75 percentile	1	2	2	1	2	1	1	1	1	2	4	4	4
Skewness	0	1,066536	0,2033419	0	-1,73205	0	0	0	1,672082	1,129229	0	-1,48606	0
Kurtosis	0	-1,03409	-0,4962082	0	-2,33333	0	0	0	0,897436	0,660459	0	2,973091	0
Geometric mean	1	1,219014	1,719873	1	1,587401	1	1	1	1,148698	1,670514	4	2,912951	4
Coefficient of variation	0	36,46278	37,3066	0	34,64102	0	0	0	34,50328	52,73293	0	31,713	0

Method Y per age (extant)	CC			CE			OA			RR		
	Juveniles	Adults	Old	Juveniles	Adults	Old	Juveniles	Adults	Old	Juveniles	Adults	Old
N	5	15	1	9	28	1	13	9	4	8	14	3
Min	0	0	2	0	0	2	0	0	2	0	0	2
Max	2	3	2	2	3	2	2	3	4	1	3	3
Sum	6	30	2	9	33	2	9	11	13	3	24	8
Mean	1,2	2	2	1	1,178571	2	0,692308	1,222222	3,25	0,375	1,714286	2,666667
Standard error	0,374166	0,258199	-	0,235702	0,136603	-	0,208309	0,323942	0,478714	0,182981	0,194105	0,333333
Variance	0,7	1	0	0,5	0,522487	0	0,564103	0,944444	0,916667	0,267857	0,527473	0,333333
Standard deviation	0,83666	1	0	0,707107	0,722833	0	0,751068	0,971825	0,957427	0,517549	0,726273	0,57735
Median	1	2	2	1	1	2	1	1	3,5	0	2	3
25 percentile	0,5	1	2	0,5	1	2	0	0,5	2,25	0	1	2
75 percentile	2	3	2	1,5	2	2	1	2	4	1	2	3
Skewness	-0,51224	-0,49451	0	0	0,346737	0	0,610701	0,501525	-0,85456	0,644061	-0,88924	-1,73205
Kurtosis	-0,61224	-0,91209	0	-0,28571	0,351715	0	-0,77648	-0,0089	-1,28926	-2,24	1,529593	-2,33333
Geometric mean	0	0	2	0	0	2	0	0	3,130169	0	0	2,620741
Coefficient of variation	69,72167	50	0	70,71068	61,33124	0	108,4875	79,51298	29,4593	138,0131	42,36593	21,65064

Method Y per age (fossil)	CG			ET	AK	LE	BO	GB			EA		
	Juveniles	Adults	Old	Adults	Adults	Juveniles	Juveniles	Juveniles	Adults	Old	Juveniles	Adults	Old
N	1	14	13	4	3	1	1	1	15	17	1	8	3
Min	0	0	1	0	1	1	0	1	0	1	5	1	6
Max	0	3	4	1	3	1	0	1	3	4	5	6	6
Sum	0	17	30	3	5	1	0	1	12	36	5	29	18
Mean	0	1,214286	2,307692	0,75	1,666667	1	0	1	0,8	2,117647	5	3,625	6
Standard error	-	0,260569	0,2861015	0,25	0,666667	-	-	-	0,22254	0,269563	-	0,705527	0
Variance	0	0,95055	1,064103	0,25	1,333333	0	0	0	0,742857	1,235294	0	3,982143	0
Standard deviation	0	0,974961	1,031553	0,5	1,154701	0	0	0	0,861892	1,111438	0	1,995531	0
Median	0	1	3	1	1	1	0	1	1	2	5	4,5	6
25 percentile	0	0	1	0,25	1	1	0	1	0	1	5	1,25	6
75 percentile	0	2	3	1	3	1	0	1	1	3	5	5	6
Skewness	0	0,088932	-0,1943071	-2	1,732051	0	0	0	1,204863	0,360965	0	-0,46067	0
Kurtosis	0	-1,02659	-1,33419	4	-2,33333	0	0	0	1,800182	-1,3258	0	-1,77587	0
Geometric mean	0	0	2,055107	0	1,44225	1	0	1	0	1,837737	5	2,966668	6
Coefficient of variation	NAN	80,29093	44,70065	66,66667	69,28203	0	NAN	0	107,7365	52,48457	0	55,04912	0

## Method Z



PC1 per age (extant)	CC			CE			OA			RR		
	Juveniles	Adults	Old	Juveniles	Adults	Old	Juveniles	Adults	Old	Juveniles	Adults	Old
N	5	15	1	9	28	1	13	9	4	8	14	3
Min	-0,08814	-0,17686	0,1077605	-0,10083	-0,15086	0,063513	-0,18282	-0,11101	0,106696	-0,20477	-0,14712	0,068741
Max	0,056023	0,254584	0,1077605	0,127527	0,122689	0,063513	0,1299	0,16937	0,170237	-0,04322	0,136834	0,196775
Sum	-0,10157	0,571622	0,1077605	-0,02263	-0,45258	0,063513	-0,54094	0,176154	0,584343	-0,82774	0,041592	0,400471
Mean	-0,02031	0,038108	0,1077605	-0,00251	-0,01616	0,063513	-0,04161	0,019573	0,146086	-0,10347	0,002971	0,13349
Standard error	0,023829	0,030518	-	0,025527	0,01389	-	0,021073	0,031266	0,014041	0,018633	0,024936	0,036967
Variance	0,002839	0,01397	0	0,005865	0,005402	0	0,005773	0,008798	0,000789	0,002778	0,008705	0,0041
Standard deviation	0,053283	0,118196	0	0,076582	0,073499	0	0,075979	0,093798	0,028081	0,052703	0,093302	0,064029
Median	-0,02077	0,052492	0,1077605	-0,00319	-0,02318	0,063513	-0,03926	-0,00321	0,153705	-0,09526	0,000331	0,134955
25 percentile	-0,06682	-0,06149	0,1077605	-0,07084	-0,07921	0,063513	-0,06961	-0,06117	0,116555	-0,13487	-0,07673	0,068741
75 percentile	0,026427	0,097041	0,1077605	0,063054	0,041756	0,063513	-0,01276	0,095251	0,167998	-0,05734	0,091432	0,196775
Skewness	0,335615	-0,00673	0	0,495034	0,085498	0	0,24037	0,184461	-1,31021	-0,92162	-0,20523	-0,10287
Kurtosis	0,623282	-0,29022	0	-0,66138	-0,81516	0	1,997258	-1,07165	1,51369	0,782688	-1,26286	-2,33333
Geometric mean	0	0	0,1077605	0	0	0,063513	0	0	0,14384	0	0	0,122215
Coefficient of variation	-262,311	310,1609	0	-3045,84	-454,719	0	-182,597	479,2293	19,22249	-50,9364	3140,621	47,96566

PC1 per age (fossil)	CG			ET	AK	LE	BO	GB			EA		
	Juveniles	Adults	Old	Adults	Adults	Juveniles	Juveniles	Juveniles	Adults	Old	Juveniles	Adults	Old
N	1	14	13	4	3	1	1	1	15	17	1	8	3
Min	-0,19079	-0,18574	-0,1227951	-0,15495	-0,06841	0,067341	-0,11835	0,012538	-0,28527	-0,14543	0,184152	0,077788	0,006526
Max	-0,19079	0,116365	0,2120497	0,175281	0,103509	0,067341	-0,11835	0,012538	0,096368	0,16468	0,184152	0,191643	0,134582
Sum	-0,19079	-0,62105	0,6417468	-0,20383	0,066789	0,067341	-0,11835	0,012538	-1,04752	-0,043	0,184152	1,044249	0,207736
Mean	-0,19079	-0,04436	0,04936514	-0,05096	0,022263	0,067341	-0,11835	0,012538	-0,06983	-0,00253	0,184152	0,130531	0,069245
Standard error	-	0,025478	0,02652185	0,076091	0,049852	-	-	-	0,026208	0,023171	-	0,013686	0,03699
Variance	0	0,009088	0,00914431	0,023159	0,007456	0	0	0	0,010303	0,009127	0	0,001499	0,004105
Standard deviation	0	0,095331	0,09562591	0,152182	0,086346	0	0	0	0,101503	0,095536	0	0,038711	0,064068
Median	-0,19079	-0,04159	0,04561936	-0,11208	0,031689	0,067341	-0,11835	0,012538	-0,08125	-0,02109	0,184152	0,134158	0,066628
25 percentile	-0,19079	-0,14044	-0,0172648	-0,14471	-0,06841	0,067341	-0,11835	0,012538	-0,12554	-0,07687	0,184152	0,092169	0,006526
75 percentile	-0,19079	0,029373	0,1183404	0,103921	0,103509	0,067341	-0,11835	0,012538	-0,0024	0,069697	0,184152	0,16165	0,134582
Skewness	0	0,111888	-0,0291574	1,891054	-0,48539	0	0	0	-0,16126	0,158606	0	0,137173	0,183528
Kurtosis	0	-1,22588	-0,2372649	3,683022	-2,33333	0	0	0	0,22873	-0,93141	0	-0,57642	-2,33333
Geometric mean	0	0	0	0	0	0,067341	0	0,012538	0	0	0,184152	0,125302	0,038823
Coefficient of variation	0	-214,897	193,7114	-298,638	387,8435	0	0	0	-145,347	-3776,69	0	29,65639	92,52356

PC2 per age (extant)	CC			CE			OA			RR		
	Juveniles	Adults	Old	Juveniles	Adults	Old	Juveniles	Adults	Old	Juveniles	Adults	Old
N	5	15	1	9	28	1	13	9	4	8	14	3
Min	-0,01924	-0,08068	-0,0056335	-0,11357	-0,09735	0,078652	-0,12458	-0,11119	-0,05468	-0,11732	-0,09789	0,05863
Max	0,073755	0,064726	-0,0056335	0,106683	0,106332	0,078652	0,086531	0,07248	0,010612	0,07654	0,114633	0,111888
Sum	0,146453	-0,28644	-0,0056335	-0,01848	-0,13005	0,078652	-0,05197	-0,11063	-0,05967	-0,02681	0,226661	0,23792
Mean	0,029291	-0,0191	-0,0056335	-0,00205	-0,00464	0,078652	-0,004	-0,01229	-0,01492	-0,00335	0,01619	0,079307
Standard error	0,016142	0,011771	-	0,024341	0,009713	-	0,015788	0,024747	0,01572	0,021975	0,016204	0,016486
Variance	0,001303	0,002078	0	0,005332	0,002641	0	0,00324	0,005512	0,000988	0,003863	0,003676	0,000815
Standard deviation	0,036094	0,045588	0	0,073022	0,051394	0	0,056923	0,07424	0,031439	0,062155	0,060631	0,028555
Median	0,019983	-0,02229	-0,0056335	0,011091	-0,01238	0,078652	-0,00771	-0,03719	-0,0078	0,016653	0,009751	0,067403
25 percentile	-0,00101	-0,07209	-0,0056335	-0,07207	-0,03759	0,078652	-0,04025	-0,07826	-0,0474	-0,05457	-0,02734	0,05863
75 percentile	0,064241	0,020622	-0,0056335	0,056946	0,034993	0,078652	0,033982	0,063249	0,01045	0,033874	0,071958	0,111888
Skewness	-0,11055	0,156482	0	-0,12903	0,342821	0	-0,54398	-0,098	-0,68741	-0,88402	-0,02728	1,549948
Kurtosis	-0,70746	-1,03439	0	-0,99781	-0,25604	0	0,307318	-1,84952	-2,16922	0,368958	-0,39663	-2,33333
Geometric mean	0	0	0	0	0	0,078652	0	0	0	0	0	0,076183
Coefficient of variation	123,2279	-238,732	0	-3556,5	-1106,5	0	-1423,9	-603,966	-210,762	-1854,61	374,4969	36,00565

PC2 per age (fossil)	CG			ET	AK	LE	BO	GB			EA		
	Juveniles	Adults	Old	Adults	Adults	Juveniles	Juveniles	Juveniles	Adults	Old	Juveniles	Adults	Old
N	1	14	13	4	3	1	1	1	15	17	1	8	3
Min	-0,12774	-0,14199	-0,1140987	-0,11117	-0,00974	0,097044	-0,09331	0,129907	-0,22063	-0,14874	0,059555	-0,22683	0,072886
Max	-0,12774	0,13514	0,07605132	-0,00994	0,035498	0,097044	-0,09331	0,129907	0,062873	0,106391	0,059555	0,286859	0,234962
Sum	-0,12774	-0,10873	-0,0750123	-0,2111	0,020716	0,097044	-0,09331	0,129907	-0,32991	-0,24403	0,059555	0,376344	0,506272
Mean	-0,12774	-0,00777	-0,0057702	-0,05278	0,006905	0,097044	-0,09331	0,129907	-0,02199	-0,01435	0,059555	0,047043	0,168757
Standard error	-	0,020918	0,01377748	0,023449	0,014361	-	-	-	0,019413	0,016798	-	0,06409	0,049082
Variance	0	0,006126	0,00246765	0,002199	0,000619	0	0	0	0,005653	0,004797	0	0,03286	0,007227
Standard deviation	0	0,078269	0,04967541	0,046898	0,024874	0	0	0	0,075186	0,069259	0	0,181273	0,085013
Median	-0,12774	-0,01657	-0,0009415	-0,04499	-0,00504	0,097044	-0,09331	0,129907	-0,01616	-0,01074	0,059555	0,04471	0,198423
25 percentile	-0,12774	-0,06592	-0,0385106	-0,10083	-0,00974	0,097044	-0,09331	0,129907	-0,05597	-0,07182	0,059555	-0,11047	0,072886
75 percentile	-0,12774	0,044942	0,0277377	-0,0125	0,035498	0,097044	-0,09331	0,129907	0,030547	0,04204	0,059555	0,235272	0,234962
Skewness	0	0,145733	-0,5001548	-0,58724	1,66273	0	0	0	-1,36552	-0,00935	0	-0,05024	-1,37909
Kurtosis	0	-0,36417	0,7717017	-2,32973	-2,33333	0	0	0	2,487148	-0,47634	0	-0,87573	-2,33333
Geometric mean	0	0	0	0	0	0,097044	0	0,129907	0	0	0,059555	0	0,150342
Coefficient of variation	0	-1007,82	-860,8987	-88,8633	360,2076	0	0	0	-341,848	-482,475	0	385,3344	50,3758

H3/Lmax-per age(extant)	CC			CE			OA			RR		
	Juveniles	Adults	Old	Juveniles	Adults	Old	Juveniles	Adults	Old	Juveniles	Adults	Old
N	5	15	1	9	28	1	13	9	4	8	14	3
Min	0,146342	0,140496	0,1779661	0,120623	0,176259	0,216749	0,159722	0,186813	0,192	0,2	0,228571	0,174242
Max	0,195652	0,248062	0,1779661	0,238532	0,270742	0,216749	0,265306	0,294872	0,309677	0,292857	0,335571	0,330357
Sum	0,871159	2,917123	0,1779661	1,779341	6,047311	0,216749	2,864743	2,179016	0,93939	1,90654	4,014439	0,7546
Mean	0,174232	0,194475	0,1779661	0,197705	0,215975	0,216749	0,220365	0,242113	0,234848	0,238318	0,286746	0,251533
Standard error	0,008575	0,007831	-	0,013063	0,004842	-	0,008941	0,011877	0,026692	0,012118	0,008572	0,045073
Variance	0,000368	0,00092	0	0,001536	0,000656	0	0,001039	0,001269	0,00285	0,001175	0,001029	0,006095
Standard deviation	0,019173	0,03033	0	0,039188	0,025621	0	0,032236	0,03563	0,053385	0,034276	0,032075	0,078069
Median	0,171642	0,2	0,1779661	0,195021	0,213379	0,216749	0,232704	0,251656	0,218857	0,232129	0,290597	0,25
25 percentile	0,15773	0,168	0,1779661	0,172239	0,197808	0,216749	0,194444	0,207393	0,194373	0,206339	0,261676	0,174242
75 percentile	0,192029	0,214876	0,1779661	0,232757	0,230373	0,216749	0,24026	0,268069	0,291313	0,26847	0,309023	0,330357
Skewness	-0,54209	0,034821	0	-0,87331	0,56464	0	-0,58233	-0,20761	1,328726	0,448463	-0,18997	0,088341
Kurtosis	-0,07594	-0,69146	0	0,352279	-0,3413	0	-0,44364	-1,01755	1,25898	-1,30579	-0,61693	-2,33333
Geometric mean	0,173361	0,192232	0,1779661	0,19377	0,214552	0,216749	0,21804	0,239713	0,230647	0,236209	0,285042	0,243235
Coefficient of variation	11,0045	15,59598	0	19,82152	11,86311	0	14,62842	14,71615	22,73175	14,38233	11,18591	31,03712

H3/Lmax-per age(fossils)	CG			ET	AK	LE	BO	GB			EA		
	Juveniles	Adults	Old	Adults	Adults	Juveniles	Juveniles	Juveniles	Adults	Old	Juveniles	Adults	Old
N	1	14	13	4	3	1	1	1	15	17	1	8	3
Min	0,22973	0,119048	0,04848485	0,14121	0,144	0,178694	0,233333	0,158537	0,116129	0,05036	0,08156	0,025105	0,043478
Max	0,22973	0,219178	0,2255639	0,232877	0,195313	0,178694	0,233333	0,158537	0,193103	0,253425	0,08156	0,102273	0,064777
Sum	0,22973	2,508642	1,864332	0,705629	0,524244	0,178694	0,233333	0,158537	2,275801	2,581845	0,08156	0,512236	0,164018
Mean	0,22973	0,179189	0,1434101	0,176407	0,174748	0,178694	0,233333	0,158537	0,15172	0,151873	0,08156	0,06403	0,054673
Standard error	-	0,008422	0,01369144	0,019982	0,015663	-	-	-	0,006888	0,012689	-	0,009527	0,006173
Variance	0	0,000993	0,00243692	0,001597	0,000736	0	0	0	0,000712	0,002737	0	0,000726	0,000114
Standard deviation	0	0,031514	0,04936518	0,039964	0,02713	0	0	0	0,026678	0,052319	0	0,026947	0,010691
Median	0,22973	0,185129	0,147651	0,165771	0,184932	0,178694	0,233333	0,158537	0,146342	0,162602	0,08156	0,064436	0,055762
25 percentile	0,22973	0,162107	0,1026316	0,145278	0,144	0,178694	0,233333	0,158537	0,126263	0,124628	0,08156	0,039939	0,043478
75 percentile	0,22973	0,204709	0,1791032	0,218173	0,195313	0,178694	0,233333	0,158537	0,176471	0,179672	0,08156	0,086916	0,064777
Skewness	0	-0,63088	-0,3750883	1,354437	-1,45114	0	0	0	0,465832	-0,33863	0	-0,03907	-0,45382
Kurtosis	0	-0,43921	-0,1943334	1,961263	-2,33333	0	0	0	-0,99275	0,392808	0	-1,28107	-2,33333
Geometric mean	0,22973	0,17637	0,1336757	0,173273	0,173261	0,178694	0,233333	0,158537	0,149593	0,141079	0,08156	0,058415	0,053952
Coefficient of variation	0	17,58705	34,42238	22,65437	15,52505	0	0	0	17,58343	34,44885	0	42,08546	19,55506

### C3.Dunn's post hoc test (Z)



Kruskal-Wallis test for equal medians

PC1	p-value:	0,002352
H3/Lmax	p-value:	3,72E-21
PC2	p-value:	0,1183

Dunn's post hoc test (Bonferroni corrected p-values)

H3/Lmax	CC	CE	OA	RR	CG	ET	AK	GB	EA	
CC			1	0,1251	0,0002507	1	1	1	0,6956	0,002371
CE		1		1	0,07904	0,008275	1	1	1,85E-05	7,21E-08
OA		0,1251	1		1	0,000215	1	1	3,04E-07	1,53E-09
RR		0,000251	0,07904	1		2,03E-08	0,1038	2,78E-01	2,66E-12	9,98E-14
CG		1	0,008275	0,0002154	2,029E-08		1	1	1	0,07039
ET		1	1	1	0,1038	1		1	1	1
AK		1	1	1	2,78E-01	1	1		1,00E+00	1
GB		0,6956	1,85E-05	3,036E-07	2,662E-12	1	1	1		0,6814
EA		0,002371	7,21E-08	1,534E-09	9,984E-14	0,07039	1	1	0,6814	

PC1	CC	CE	OA	RR	CG	ET	AK	GB	EA	
CC			1	1	1	1	1	1	1	0,3381
CE		1		1	1	1	1	1	1	0,003498
OA		1	1		1	1	1	1	1	0,05672
RR		1	1	1		1	1	1,00E+00	1	0,004719
CG		1	1	1	1		1	1	1	0,01228
ET		1	1	1	1	1		1	1	0,07483
AK		1	1	1	1,00E+00	1	1		1,00E+00	1
GB		1	1	1	1	1	1	1		0,000385
EA		0,3381	0,003498	0,05672	0,004719	0,01228	0,07483	1	0,000385	

PC2	CC	CE	OA	RR	CG	ET	AK	GB	EA	
CC			1	1	1	1	1	1	1	1
CE		1		1	1	1	1	1	1	1
OA		1	1		1	1	1	1	1	0,8683
RR		1	1	1		1	1	1	1	1
CG		1	1	1	1		1	1	1	0,5445
ET		1	1	1	1	1		1	1	0,3098
AK		1	1	1	1	1	1		1	1
GB		1	1	1	1	1	1	1		0,4865
EA		1	1	0,8683	1	0,5445	0,3098	1	0,4865	