

Trabajo Fin de Máster

Domesticación y gestión animal en los
inicios del Neolítico: uso y explotación de
los bóvidos en los yacimientos de tell
Halula (valle del Éufrates, Siria) y la
Draga (Banyoles, Pla de l'Estany)

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Colabora:



Anexo I: Criterios biométricos utilizados



Figure 41c:
Bos astragalus,
medial view.

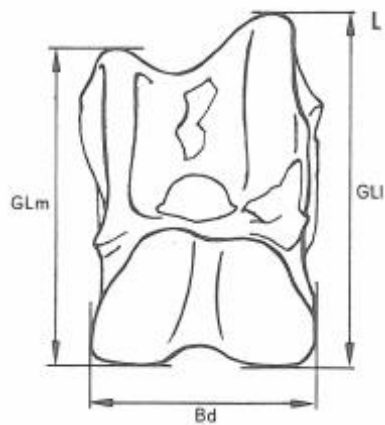


Figure 41d:
Bos astragalus,
dorsal view.

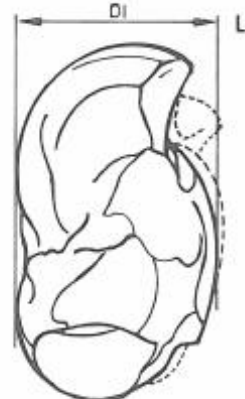


Figure 41e:
Bos astragalus,
lateral view.

Criterios de medición del talus. Fuente: Von den Driesch (1976)

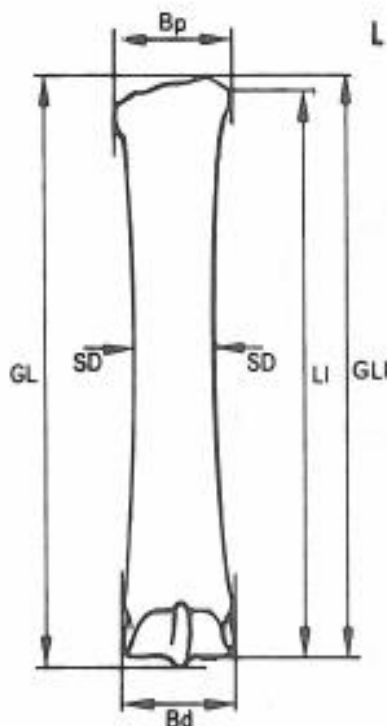


Figure 44a: Equus
Metacarpus III,
dorsal view.

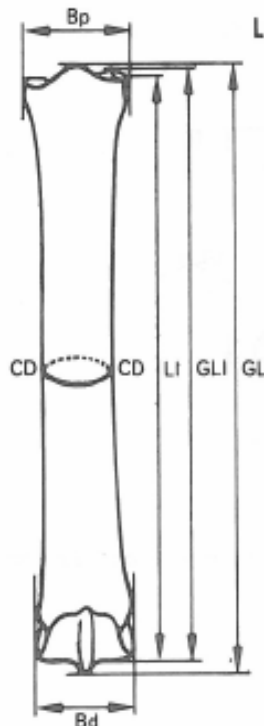


Figure 44b: Equus
Metatarsus III

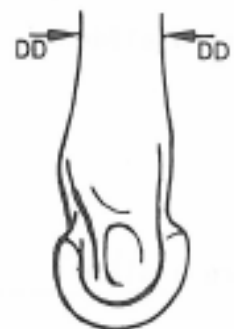


Figure 44d: Capra
Metatarsus III+IV,
side view.

Criterios de medición de los metápodos. Fuente: Von den Driesch (1976)

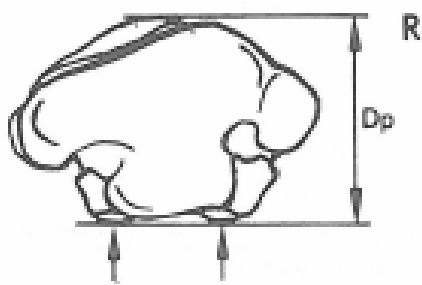


Figure 44e: Equus
Metacarpus III,
proximal view.

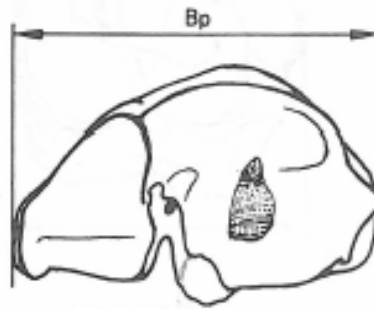


Figure 44f: Bos
Metacarpus III+IV,
proximal view.

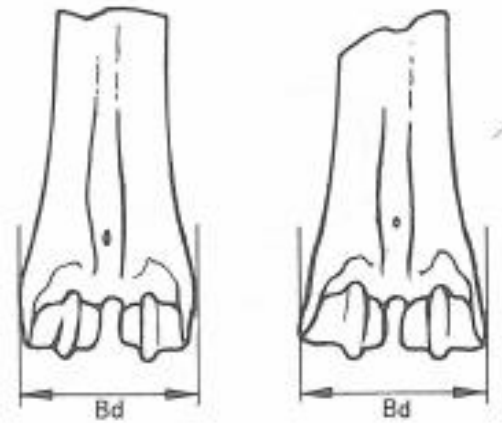


Figure 44h: Bos
Metatarsi III+IV,
dorsal view.

Criterios de medición de los metápodos. Fuente: Von den Driesch (1976)



Figure 46c: Bos
Phalanx 2,
proximal view.

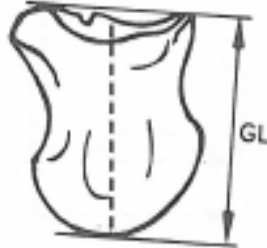


Figure 46d: Bos
Phalanx 2,
peripheral view.

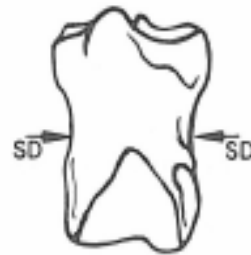


Figure 46e: Bos
Phalanx 2,
dorsal view.

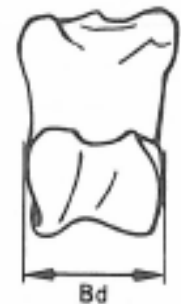


Figure 46f: Bos
Phalanx 2,
volar/plantar view.

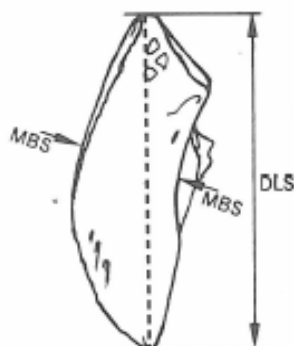


Figure 48c: Bos
Phalanx 3,
view of sole.



Figure 48d: Bos
Phalanx 3,
peripheral view.

Criterios de medición de las falanges. Fuente Von den Driesch (1976)

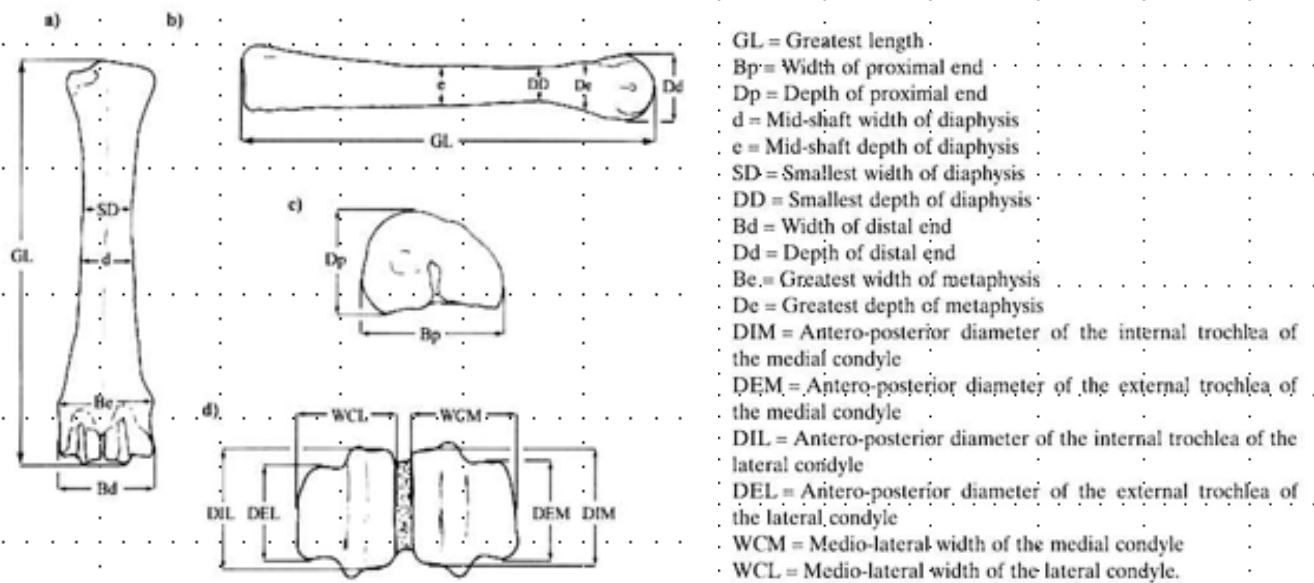


Fig. 1. Description of metapodial characteristics measured. **a:** Dorsal view of right metacarpus. **b:** Medial view of right metacarpus. **c:** Proximal view of right metacarpus. **d:** Distal view of right metacarpus.

Criterios de medición de los metápodos. Fuente: Davis et ali (2012)

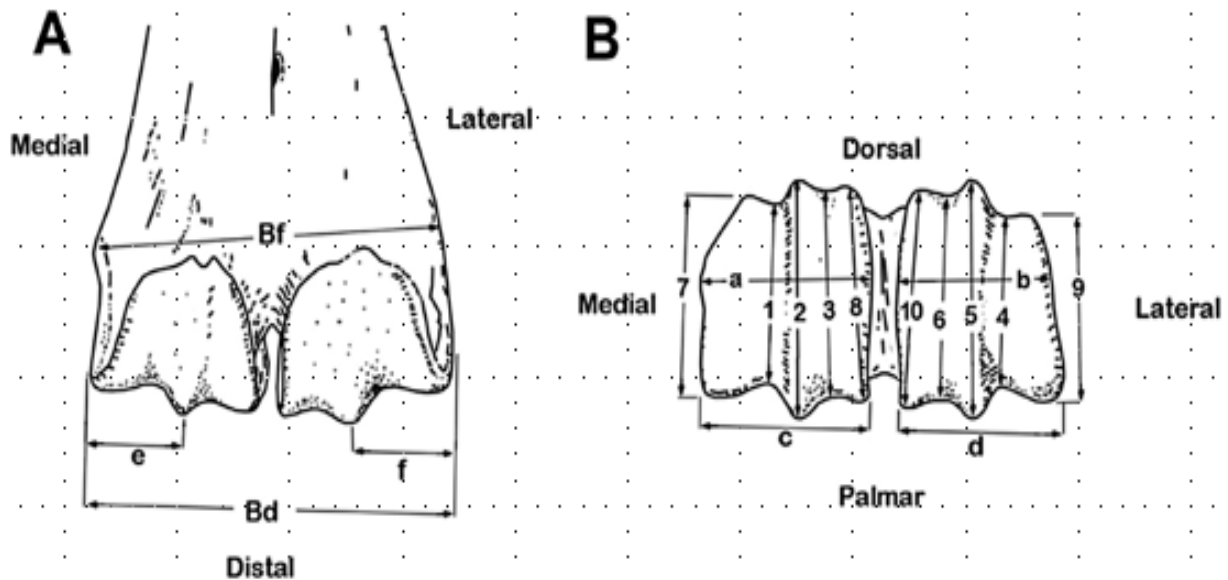
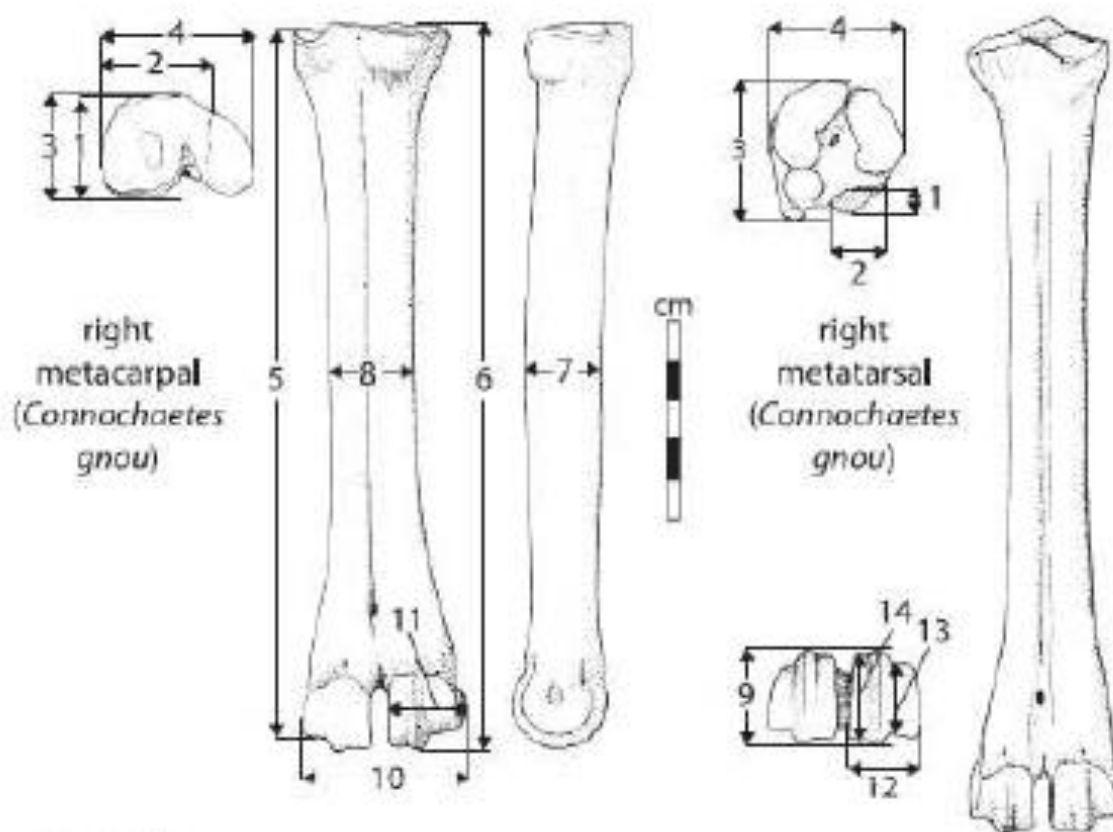


Fig. 1. Locations of detailed measurements taken on metapodials (left metacarpal shown in this figure). (A) Dorsal view: "Bf" 1/4 measurement of the epiphyseal line; "e" 1/4 greatest breadth from medial condyle ridge to medial articulation edge; "f" 1/4 counterpart to "e" on the lateral side. (B) Distal view: "1" 1/4 minimum depth of the medial condyle; "2" 1/4 depth of the medial condyle ridge; "3" 1/4 depth of the concave part between the ridge and the lateral edge on the medial condyle; "8" 1/4 depth of the most lateral edge of the medial condyle. "4", "5", "6", "9", and "10" are the same measurements taken on the lateral condyle. All depth indices are recorded as "D (Depth)" followed by the index numbers. "a" 1/4 breadth of the most distal end of the medial condyle; "b" 1/4 counterpart to "a" on the lateral condyle; "c" 1/4 greatest breadth of the medial condyle on the palmar side; "d" 1/4 counterpart to "c" on the lateral condyle. (Courtesy of U. Albarella for the basic drawing with more measurements added by M. Lin).

Criterios de medición de los metápodos. Fuente: Lin et ali (2015)



metacarpal

- 1) anteroposterior diameter of the magnum facet (MGAP)
- 2) mediolateral diameter of the magnum facet (MGML)

metatarsal

- 1) anteroposterior diameter of the posterior naviculocuboid facet (PRONGAP)
- 2) mediolateral diameter of the posterior naviculocuboid facet (PRONGML)

metacarpal and metatarsal

- 3) anteroposterior diameter of the proximal epiphysis (PAP)
- 4) mediolateral diameter of the proximal epiphysis (PML)
- 5) functional length (L)
- 6) maximum length (MAXLENG)
- 7) anteroposterior diameter of the midshaft (MAP)
- 8) mediolateral diameter of the midshaft (MML)
- 9) anteroposterior diameter of the distal articulation (DAP)
- 10) mediolateral diameter of the distal articulation (DML)
- 11) minimum mediolateral diameter of the medial trochlea (TMLMIN)
- 12) maximum mediolateral diameter of the medial trochlea (TMLMAX)
- 13) minimum anteroposterior diameter of the medial trochlea (TAPSMALL)
- 14) maximum anteroposterior diameter of the medial trochlea (off ridge) (TAPLARGE)

Fig. 1. The bevid metacarpal and metatarsal dimensions employed in this study, modified after Plummer and Bishop (1994, Fig. 2).

Criterios de medición de los metápodos. Fuente: Klein et ali (2010).

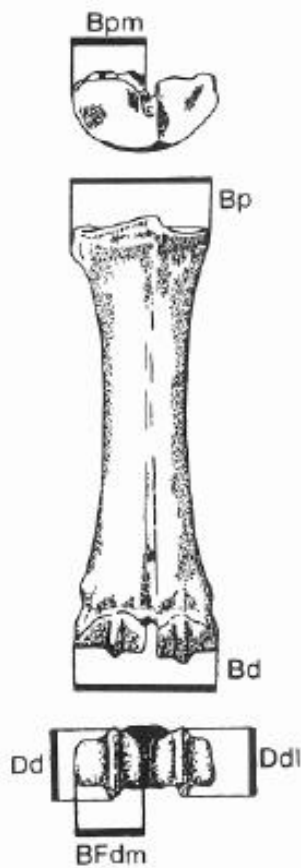


Figure 1. External bone measurements used in the study. Bpm: medial proximal breadth (3rd metapodium), Bp: proximal breadth, Bd: distal breadth, Dd: distal depth measured on the trochlea capitis medialis (3rd metapodium), Ddl: depth of the trochlea capitis lateralis, BFdm: breadth of the trochlea capitis medialis (3rd metapodium).

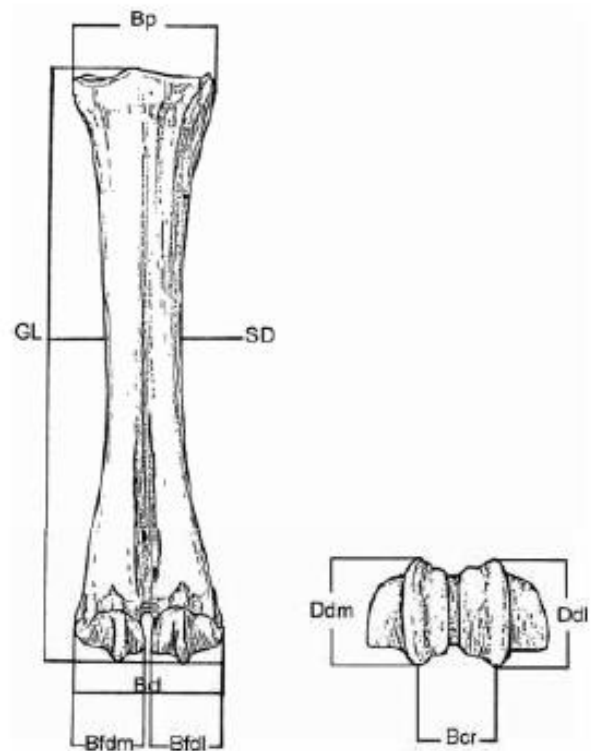


Fig. 2. Definition of measurements.

the forward sequencing system (F+R-biotinylated PCR primers and forward sequencing primer) targeting 63 bp surrounding an SNP in the *ZFX/ZFY* gene separating the X and Y chromosome. Positive PCR products were genotyped with a PSQ 96MA following guidelines from the manufacturer (Qiagen). Allelic dropout was assumed in cases where one or more replicates were homozygous while the other replicates were heterozygous or homozygous for the other allele. An estimate of the probability of a false homozygote after (n) replicates was calculated according to (Gagneux et al, 1997): $P(\text{false homozygotes}) = K \times (K/2)^{n-1}$, where K is the observed number of allelic dropouts divided by all heterozygous individuals.

Criterios de medición de los metápodos. Fuente: Davis et ali (2012)

Anexo II: Criterios paleopatológicos



Fig. 1. d, depression on lateral aspect (1); depression on the medial aspect (2); lateral amyotrophy (3); and bone inflammation causing enlargement of the diaphysis (4).

Ejemplos de patologías asociadas a la explotación de la fuerza de tracción producidas en los metápodos. Fuente: Telldahl et al (2011).



Fig. 15. Depressions of type 1 in the distal epiphysis of the left metacarpus and the proximal epiphysis of the matching lateral first phalanx of an adult male domestic cattle from Hillerød, Denmark (Hillerød 1). A single depression of type 4 can also be seen in the medial condyle of the distal metacarpus.

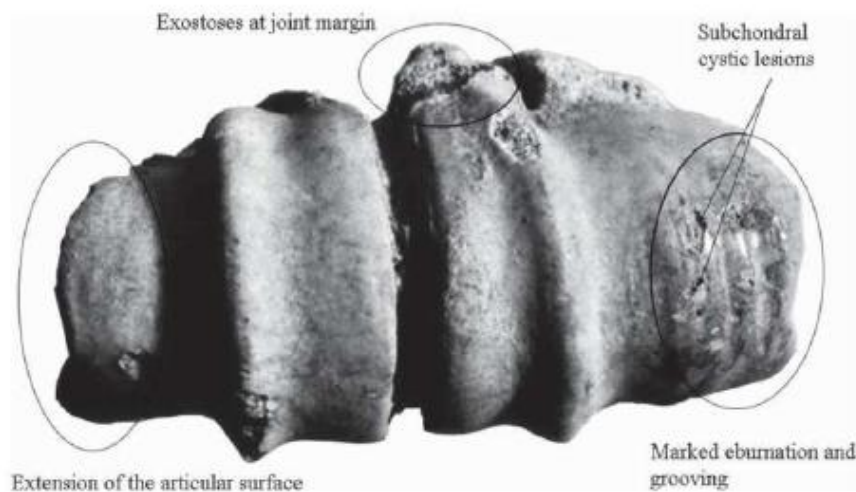
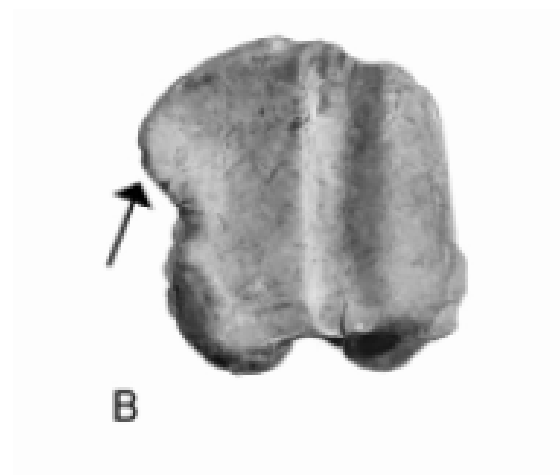
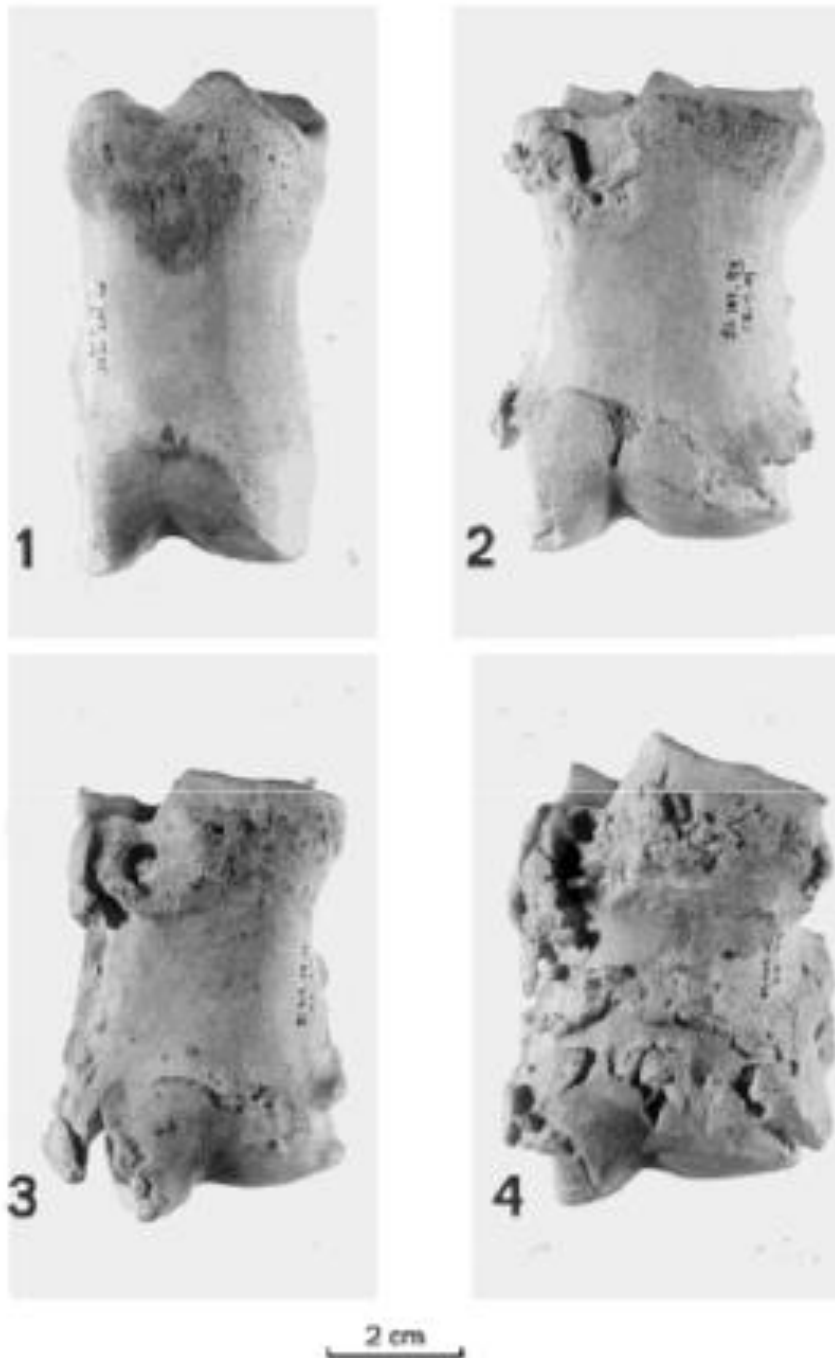


Fig. 1: Cattle metatarsal, distal aspect, showing extension of articular surface, eburnation and grooving, and peripheral exostoses, consistent with osteoarthritis. York, medieval. Original photo: Dick Hunter



(B): lipping (stage 4) on Phalanx 1.



Criterios utilizados para la determinación y evaluación de la presencia de oxostosis. El ejemplo corresponde con una primera falange de buey moderno. Fuente: De cupere et ali (2000)

Anexo III: Tablas de adscripción correspondientes a los Mixture Analysis

Tabla de asignaciones de Mixture Analysis de P1, P2, P3

P1	Group 1	Group 2	Max group
1	3,119	1,60E-62	1
2	5,941	0,002057	1
3	5,232	0,05104	1
4	1,968	5,631	2
5	1,701	2,823	2
6	0,3486	1,53E-07	1
7	8,054	1,62E-13	1
8	7,607	5,99E-26	1
9	7,815	1,15E-23	1
10	4,549	7,32E-50	1
11	3,31	7,149	2
12	6,036	0,001244	1
13	7,535	1,17E-26	1
14	8,066	9,35E-20	1
15	6,85	1,63E-32	1
16	3,459	3,25E-59	1
17	1,895	4,8	2
18	6,907	3,99E-06	1
19	4,949	0,1462	1
20	6,025	9,92E-39	1
21	6,119	4,86E-38	1
22	2,786	10,54	2
23	2,946	9,873	2
24	5,74	7,90E-41	1
25	3,005	1,08E-63	1
26	2,78	4,26E-66	1
27	8,127	1,84E-15	1
28	7,93	3,82E-22	1
29	8,128	1,07E-17	1
30	4,131	1,622	1
31	7,962	1,13E-21	1
32	6,513	7,19E-05	1
33	6,803	6,94E-33	1
34	1,703	2,13E-80	1
35	3,749	3,647	1
36	8,052	4,58E-20	1
37	2,717	10,67	2
38	3,206	8,028	2
39	6,284	0,0003037	1
40	7,017	1,59E-06	1
41	2,441	10,07	2

P2	Group 1	Group 2	Max group
1	2,04E-32	3,279	2
2	1,25E-30	3,896	2
3	9,25E-31	3,849	2
4	4,742	0,05803	1
5	2,431	0,7328	1
6	1,00E-13	9,995	2
7	1,08E-16	9,615	2
8	6,374	0,08428	1
9	2,14E-10	9,333	2
10	6,418	0,08518	1
11	0,09552	2,04	2
12	8,219	0,1866	1
13	9,29E-38	1,858	2
14	6,75E-15	9,937	2
15	4,005	0,5427	1
16	0,001357	3,949	2
17	1,51E-11	9,713	2
18	5,16E-09	8,653	2
19	5,44E-14	9,994	2
20	4,40E-13	9,967	2
21	5,09E-13	9,962	2
22	3,06E-07	7,428	2
23	1,19E-13	9,994	2
24	1,10E-05	6,066	2
25	2,91E-21	7,959	2

P3	Group 1	Group 2	Max group
1	10,06	0	1
2	0,05923	30,99	2
3	1,487	0	1
4	0,05183	31	2
5	4,352	0	1
6	3,714	0	1
7	9,535	0	1
8	9,745	0	1
9	10,06	0	1
10	5,134	0	1
11	5,848	0	1
12	8,582	0	1
13	6,358	0	1
14	10,05	0	1
15	6,25	0	1
16	9,619	0	1
17	0,598	0	1
18	8,12	0	1
19	8,944	0	1
20	9,645	0	1
21	9,115	0	1

Tabla de asignaciones del Mixture Analysis de la Draga.

	Group 1	Group 2	Max group
1	3,09E-14	3,802	2
2	1,88E-29	0,1038	2
3	5,84E-05	10,57	2
4	0,01026	8,458	2
5	0,002904	9,309	2
6	1,04E-09	7,768	2
7	2,63E-06	10,41	2
8	3,77E-06	10,47	2
9	0,001031	9,835	2
10	7,46E-06	10,55	2
11	0,02683	7,646	2
12	0,2662	5,105	2
13	0,004599	9,027	2
14	2,87E-07	9,885	2
15	0,2702	5,086	2
16	0,1278	6,013	2
17	0,03266	7,462	2
18	0,1452	5,862	2
19	5,65E-08	9,353	2
20	1,98E-09	8,038	2
21	0,0001098	10,49	2
22	8,26E-08	9,485	2
23	2,356	1,532	1
24	2,00E-07	9,776	2
25	0,9694	3,253	2
26	0,006498	8,794	2
27	1,705	0,3743	1
28	0,0003199	10,25	2
29	0,0459	7,129	2
30	2,39E-07	9,831	2
31	1,80E-07	9,742	2
32	0,7086	0,1593	1
33	1,88E-05	10,61	2
34	0,8351	0,1825	1
35	6,01E-08	9,375	2
36	1,33E-05	10,6	2
37	3,34E-14	3,826	2
38	0,3846	4,615	2
39	5,16E-05	10,58	2
40	2,245	0,5703	1
41	2,432	1,431	1
42	1,06E-08	8,721	2
43	2,338	0,6216	1
44	2,64E-10	7,192	2
45	0,0001917	10,38	2
46	1,52E-17	1,96	2
47	7,46E-19	1,473	2
48	1,88E-18	1,61	2
49	3,25E-12	5,409	2
50	2,14E-15	3,046	2
51	0,002508	9,393	2
52	1,24E-07	9,623	2
53	1,82E-20	1,02	2
54	3,58E-05	10,6	2
55	0,0005151	10,11	2
56	2,609	1,036	1
57	0,1258	6,032	2
58	4,78E-08	9,293	2
59	7,97E-05	10,54	2
60	0,002528	9,389	2
61	9,80E-05	10,51	2
62	4,49E-10	7,416	2
63	5,31E-07	10,06	2
64	7,80E-18	1,842	2
65	5,35E-09	8,447	2
66	1,77E-10	7,023	2
67	1,10E-15	2,877	2
68	4,78E-08	9,293	2
69	0,0005052	10,11	2
70	0,9796	3,236	2

61	9,80E-05	10,51	2
62	4,49E-10	7,416	2
63	5,31E-07	10,06	2
64	7,80E-18	1,842	2
65	5,35E-09	8,447	2
66	1,77E-10	7,023	2
67	1,10E-15	2,877	2
68	4,78E-08	9,293	2
69	0,0005052	10,11	2
70	0,9796	3,236	2
71	0,0001724	10,41	2
72	1,238	2,849	2
73	5,66E-15	3,308	2
74	3,23E-10	7,276	2
75	1,00E-11	5,847	2
76	0,01177	8,351	2
77	8,42E-08	9,492	2
78	3,14E-11	6,307	2
79	4,49E-10	7,416	2
80	8,65E-12	5,789	2
81	1,717	2,258	2
82	0,0007028	9,992	2
83	0,001118	9,799	2
84	1,47E-05	10,6	2
85	9,38E-07	10,2	2
86	0,00451	9,04	2
87	4,80E-10	7,443	2
88	3,72E-05	10,6	2
89	0,000153	10,43	2
90	4,73E-09	8,397	2
91	3,80E-08	9,209	2
92	2,85E-15	3,122	2
93	7,03E-05	10,55	2
94	4,02E-15	3,214	2
95	0,711	3,733	2
96	4,78E-07	10,03	2
97	2,64E-10	7,192	2
98	0,08726	6,449	2
99	0,001064	9,821	2
100	0,01028	8,456	2
101	2,584	0,8728	1
102	2,071	1,864	1
103	0,09786	6,32	2
104	0,003151	9,261	2
105	0,0008152	9,933	2
106	2,08E-06	10,37	2
107	0,01275	8,287	2
108	0,7292	3,695	2
109	0,9382	3,305	2
110	1,52	2,488	2
111	2,101	0,5054	1
112	0,0005974	10,05	2
113	0,0001044	10,5	2
114	2,044	0,4831	1
115	2,74E-10	7,207	2
116	0,001544	9,648	2
117	0,1704	5,668	2
118	5,57E-06	10,52	2
119	0,005598	8,897	2
120	1,68E-06	10,33	2
121	6,16E-06	10,53	2
122	1,74E-05	10,61	2
123	1,212	2,886	2
124	1,186	2,923	2
125	2,13	1,798	1
126	0,003044	9,282	2
127	0,03882	7,295	2
128	0,0002257	10,35	2
129	6,51E-08	9,403	2
130	1,04E-09	7,768	2
131	1,071	3,091	2
132	5,86E-06	10,53	2
133	3,22E-05	10,61	2
134	4,00E-08	9,227	2
135	0,1669	5,694	2
136	2,21	0,5528	1

Anexos IV: Medidas.

TALUS TELL HALULA										
SITE	CODE		ESP	LATE	FASE	GL 1	GLm	DL	Dm	BD
TH	H-934C-C4E	18D.1	BOTA	DER	6	75,15	68,27	42,1	38,03	46,22
TH	4B-DBA	7BD.1	BOTA	DER	6	-	71,01	-	39,22	-
TH	HL-934B-D6C	5BI.1	BOTA	IZQ	6	75,96	-	40,16	35,71	46,78
TH	HL93.4B.D6BA1	2UD.1	URO	DER	6	80,63	76,01	46,58	41,21	47,75
TH	4CC2E	3UD.1	URO	DER	6	-	-	-	45,84	-
TH	HL-935IV-4BD5A1	4UD.1	URO	DER	6	-	-	-	40,66	-
TH	HL-934B-D7A	6UI.1	URO	IZQ	6	81,94	74,53	44,73	42,25	52,43
TH	4B-A31	8BI.1	BOTA	IZQ	7	74,66	67,53	41,47	37,58	46,41
TH	TH-20034J-IA44	9UI.2	URO	IZQ	10	84,57	76,58	44,88	46,02	57,49
TH	HL-20034I-B2	10UD.2	URO	DER	11	80,15	73,34	46,51	43,4	51,94
TH	TH-20034J-IA44	11UD.2	URO	DER	13	85,96	76,25	45,81	47,23	59,52
TH	HL-922AD-E2	18UD.2	URO	DER	13	76,3	70,6	43,62	36,5	47,83
TH	HL-F2CABC24	12BI.2	BOTA	IZQ	17	-	62,95	34,55	31,64	-
TH	SS7BB2a	13BI.3	BOTA	IZQ	26	-	67,68	-	34,45	45,79
TH	HL-93557B/B1a	14BI.3	BOTA	IZQ	26	73,02	67,05	-	36,29	46,36
TH	SS7BB3J	15BI.3	BOTA	IZQ	26	74,05	68,76	40,73	40,07	45
TH	HL-93557-B2A	16BI.3	BOTA	IZQ	26	75,25	-	41,94	-	48,14
TH	SS7A5	17BI.3	BOTA	IZQ	31	74,3	68,23	39,46	33,6	46,43

METAPODOS TELL HALULA																								
SITE	CODE	Mues	HUESO	FRAC	LAT	FASE	GL	GL1	L1	Bp	Dp	2CK	1TK	2TK	SD	CD	DD	Bd	Dd	De	Be	Bf	Bpm	Bcr
TH	HL-93	54 MC	ED	DER	26					-	-	-	-	-				66,45		32,85	51,31	57,01	-	31,96
TH	HL-93	46 MC	ED	IZQ	26					-	-	-	-	-				68,65		30,69	60,4	59,16	-	37,07
TH	HL-92	56 MC	ED	DER	13					-	-	-	-	-				-		31,64	-	-	-	32,85
TH	HL-91	32 MC	EP	ND	10					70,05	40,21	43,64	-	-				-		-	-	-	36,7	-
TH	4BE1S	23 MC	EP	ND	0					64,5	39,1	39,08	-	-				-		-	-	-	32,42	-
TH	HL-93	3 MC	EP	ND	26					70,75	44,83	45,33	-	-				-		-	-	-	37,26	-
TH	4B E-3	24 MC	EP	ND	8					50,11	26,16	-	-	-				-		-	-	-	-	-
TH	HL-20	57 MT	ED	DER	13					-	-	-	-	-				63,7		35,55	61,78	59,84	-	33,37
TH	HL-93	14 MT	ED	IZQ	26					-	-	-	-	-				61,22		32,68	55,34	55,13	-	32,73
TH	HL-92	4 MT	ED	IZQ	17					-	-	-	-	-				63,73		34,19	58,97	58,27	-	32,67
TH	HL-93	36 MT	ED	IZQ	8					-	-	-	-	-				60,79		32,14	55,11	54,21	-	30,39
TH	HL-92	21 MT	ED	ND	26					-	-	-	-	-				56,28		30,39	53,51	50,69	-	28,46
TH	HL-200341B2	MT	ED	IZQ	11					-	-	-	-	-				63,28"		33,77	57,05	54,62	-	33,03
TH	HL-92	26 MT	EP	IZQ	26					55,82	53,95	-	8,68	17,73				-		-	-	-	-	-
TH	4BC1F	43 MT	EP	DER	8					64,83	65,45	-	7,31	15,24				-		-	-	-	-	-
TH	HL-93	10 MT	EP	IZQ	26					47,02	47,26	-	-	-				-		-	-	-	-	-

METAPODOS DE TELL HALULA 2																
a	b	c	d	e	f	1	2	3	4	5	6	7	8	9	10	OBS
30,65	31,41	29,23	28,5	19,21	18,49	27,91	37,04	34,28	30,8	37,52	34,04	27,53	34,67	30,09	33,24	
30,74	30,39	30,1	28,36	16,85	18,43	26,74	32,64	31,41	29,73	34,04	31,79	26,04	32,04	29,44	32,25	
-	31,66	-	29,77	-	19,07	24,27	33,92	32,19	28,16	36,43	32,45	-	32,96	29,27	33,14	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	JOVEN
-	29,23	27,25	28,99	16,73	15,73	27,27	38,2	35,58	29,21	39,88	34,52	27,1	36,4	30,24	34,48	
27,79	27,16	28,19	27,82	14,35	16,12	28,21	36,09	31,24	26,64	34,85	32,42	27,8	31,78	25,58	33,81	
28,99	28	27,86	28,37	16,58	17,69	26,44	36,74	34,52	26,9	37,95	33,43	26,48	36,05	28,58	33,97	
28,83	26,71	27,01	26,12	18,1	16,55	26,98	36,93	32,72	26,1	36,01	33,3	29,24	32,04	25,6	34,14	
25,21	26,47	25,43	25,51	14,08	16,36	23,42	33,07	29,85	24,5	34,3	29,33	23,27	31,33	26,88	29,75	
29,87	-	29,7	-	17,11	-	28,11	35,7	33,33	-	-	31,69	29,23	33,46	-	34,62	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	JOVEN

PRIMERA FALANGE TELL HALULA																
SITE	CODE	FASE	ANT/POS	LAT	SEXO	GI	Bp	SD	Bd	WP	WD	WI	LM	HD	HI	HP
TH	HL-924BD62	6	ANT	E	M	-	42,7	-	-	37,68	-	-	-	-	-	30,05
TH	HL-93SIV4BD5A	6	ANT	E	H	65,59	34,92	30,53	31,93	34,83	33,93	30,5	57,55	18,93	28,8	24,41
TH	H-934C-C4A	7	ND	ND	H	-	34,45	33,2	34,64	34,95	27,73	31,65	64,07	25,28	28,98	31,77
TH	HL-93CALA4CESTC3E	7	POS	I	H	71,12	32,16	27,71	31,63	29,7	26,46	28,73	62,78	23,38	27,39	26,77
TH	4D-H2	8	ANT	E	M	58,58	-	-	-	34,57	-	-	-	-	-	26,72
TH	TH-074D-E189	8	POS	I	M	69,47	31,91	28,13	31,29	32,36	25,98	27,41	58,71	21,71	26,55	27,84
TH	TH-20004D-A6	8	ANT	ND	M	-	-	28,16	30,22	33,19	30,24	28,29	61,49	20,7	26,77	21,52
TH	TH-20004D-H2	8	ND	ND	ND											22,1
TH	HL-IV-35	8	ND	E	H	65,59	29,8	28,88	-	29,56	-	27,38	60,72	19,7	27,18	28,46
TH	TH-19994D-H1	8	POS	I	M	77,3	37,08	33,12	34,46	37,52	28,98	32,81	68,32	28,26	30,43	32,97
TH	HL-91CALAIVA-8	9	POS	E	M	74,9	38,87	30,39	37,27	38,35	29,66	33,91	64,15	25,27	32,75	30,99
TH	HL-934BD3A	10	ND	ND	M	66,11	-	26,46	30,42	-	29,26	26,8	59,58	21,29	24,85	-
TH	TH-20034I-B2/1 EXT S	11	POS	E	H	69,13	31,39	28,09	31,78	31,46	32,27	28,8	61,6	22,28	28,29	26,93
TH	TH-20034H-A25	12	POS	E	H	66,07	31,66	26,01	29,08	28,98	31,48	26,39	60,21	18,71	24,59	23,66
TH	TH-20034I-IA44	13	POS	E	H	-	31,64	-	-	31,61	-					26,13
TH	TH-20024JA11	14	ANT	I	M	75,75	43,87	35,25	38,3	43,83	39,55	35,52	67,4	24,1	31,92	31,82
TH	TH-19994F-A2A	14	ND	ND	M	71,9	-	-	-	-	-	-	-	-	-	33,23
TH	TH-20024I-A5	14	ANT	E	H	40,19				39,44						30,42
TH	HL-F-2LD3E-H	16	ANT	E	H	72,86	41,08	36,14	37,15	40,93	36,93	36,14	64,8	24,97	32,05	25,61
TH	HL-92CALASS-7SECTIESTA8Q4-12	20	ND	ND	M	-	-	30,57	36,1	-	29,55	30,72	68,61	23,08	31,3	-
TH	HL-93SS7-B/B2A	26	ANT	I	M	71,69	33,53	31,1	34,51	35,46	28,2	32,39	60,99	22,82	30,29	30,82
TH	HL-IV-613	0	ANT	I	H	73,07	37,22	33,21	37,17	35,42	34,48	32,6	63,25	24,61	28,91	32,15
TH	TH-20074D-A8C	0	ND	ND	M	-	-	-	-	-	-	-	63,97	-	27,51	-
TH	TH-20074D-A8C /// 2	0	ANT	I	H	-	36,14	-	-	35,3	-	-	-	-	-	28,08

SEGUNDA FALANGE TELL HALULA											
SIGLA	Numero	fase	ANT/POS	LAT	SEXO	GL	Bp	BFp	Dd	SD	Bd
HL-46BIE9	5	0	post	ext		54,66	38,81				
HL-4BIB39	6	0	post	int			31,17			25	28,69
HL-91-CALAIV-SUPER	34	0	post	int		41,24	28,98			23	24,93
HL-93-CALA4B-SUPER	8	0	ant	int	hem	49,27	33,87			27	28,69
HL-93-CALA4B-SUPER	10	0	post	ext		43,51	32,58			26	
HL-93-CALA4B-SUPER	9	0	post	int		46,06	35,37			27	29,57
HL-F-2B-AI-3	29	0	ant	ext	mas	42,3				27	
HL-IV-II442	62	0	ant	int	hem	51,94	39,16			32	33,42
HL-IV-II55	64	0	post	int		50	39,84			33	31,94
HL-IV-II59	63	0	post	ext		44,55	33,77			26	27,57
HL-N-622	14	0	post	ext		49,05	32,11			26	28,08
4BD12	30	5	nd	nd		47,88				26	27,6
4BD12	30	5	post	int		47,3				26	27,55
4BD12	31	5	post	int		52,47	36,01			30	29,76
4BD5C	39	6	post	int		52,84	38,75			32	35,9
4BD62	35	6	ant	ext	hem		30,99			25	
4BDA5	48	6	ant	ext	hem	41,57	32,66			26	27,37
4CC5E	28	6	ant	ext	hem		36,37			31	33,66
HL-93-4B-D5A	58	6	post	int		50,78	35,51			28	30,17
HL-93-4B-D7A	24	6	ant	ext	mas	47,64	37,03			29	32,21
HL-93-4B-D7A	25	6	post	ext		53,87	39,58			33	31,61
HL-93-4B-D7A	26	6	post	int		45,46	29,96			23	25,49
HL-93-4C-C4E	54	6	post	int			33,27				28,29
HL-93-4C-C4E	53	6	post	ext		48,59	31,99				
HL-93-SIV-4B-D5A1	12	6	post	int		48,59	37,68			30	31,42
HL-93-SIV-4B-D5A2	13	6	ant	ext	nd		37,61			30	
4BD2C	50	7	post	ext		45,67	30,64			25	25,57
4CC2E	20	7	post	int		45,01	30,75			25	25,61
HL-93-4B-C2B	45	7	post	int						25	27,55
HL-93-4B-D1C	52	7	ant	int	hem	53,28	37,89			31	35,38
HL-93-4B-D6C	15	7	ant	ext	mas	50,39	39,96			32	35,65
HL-93-4C-C3E	36	7	ant	ext	mas	48,36	40,16			33	35,9
HL-93-4C-C3E	37	7	post	int		51,48	34,91			28	31,69
HL-93-CALA 4C C3E	66	7	ant	ext	hem						28,96
HL-93-4B-A31	42	7	post	int		50,27	35,82			29	
HL-93-4B-A31	43	7	post	ext		52,2	35,23			29	29,72
4BE18	27	8	post	ext		45,09	31,5			26	
HL4CBIB7	11	8	post	int	mas	52,28	35,76			29	31,66
HL-934B-E15D	49	8	post	ext		47,49	32,98			27	27,4
HL-93-4B-E35	19	8	post	ext		47,79	37,07			29	30,03
TH-2000-4DA7	18	9	ant	ext	hem	50,81	41,3			34	36,13
HL-93-4B-D3A	71	10	ant	ext	hem	43,31	32,61			27	29,58
HL-93-4B-D3A	72	10	ant	ext	hem		31,95			26	27,63
HL-92-IIIDA10A	7	11	ant	ext	mas	49,99	40,61			34	31,77
2D-E49	61	12	post	int		42,44	33,46			26	29,01
HL-2003-4I-B2	21	13	ant	ext	mas	54,59	40,6			33	35,91
HL-91CALAIIA2	51	13	ant	ext	mas	54,75	37			31	30,73
HL-91-CALAII-A2	3	13	ant	ext	mas	51,61	39,84			34	38,74
HL-93-IIID-E24	56	13	nd	nd			28,6				
HL-4J-A29	40	14	post	int		48,12	32,34			26	
TH-2002-4J-IA10	1	14	ant	ext	mas	48,57	38,7			30	33,14
TH-2002-4J-IA10	2	14	post	ext			35,91			30	31,17
HL-F26-ABC-47	38	16	post	ext		47,14					27,06
HL-F-2CD2C-49	57	16	post	int		49	33,15			27	28,38
HL-91-CALAII-ESTAI	41	19	nd	nd		45,69					25,38
HL-92-SS7-SECTII-ESTA10-QS10	17	20	ant	ext	hem	51,14	40,89			35	36,47
HL-93-SS5-B/B2A	67	26	ant	ext	hem	45,48	36,88			32	
HL-93-SS5-B/B2A	68	26	ant	int	hem	52,77	41,03			33	35,85
HL-93-SS5-B/B2A	69	26	ant	nd	hem						
HL-93-SS5-B/B2A	70	26	post	ext		48,26	34,92			29	30,23
SS7A5	16	26	post	int						23	
SS7BB3J	23	26	post	ext		49,71				27	
SS7BB3J	22	26	post	int		46,15				25	25,2
HL-93SS7B/B1A	46	26	ant	ext	hem		35,26			30	
HL-93SS7B/B1A	47	26	post	ext		43,17	30,54			26	26,77
HL-93-SS7BB2A	59	26	post	int			30,73			25	25,85
HL-92-SS7-EST-A1	32	29	post	int			31,42			27	
HL-92-1B-A3/E	55	36	post	ext		43,7	28,51			26	
?	3		post	int		48,84	37,59			30	32,03
?	19		post	int						25	28,61
?	65		post	int		45,81	31,99			25	27,81
HL-91-IV-342	73		ant	ext	hem	50,46	36,23			28	
HI-II-219	51		post	ext			38,33			33	38,27
HL-I-IB01	60		post	ext		51,89	38,3			33	38,8
HL-IV-945	33		ant	ext	mas	49,54	38,54			32	35,36

TALUS LA DRAGA												
SITE	CODE	LAT	GL 1	GLm	DL	Dm	BD	GL 1	GLm	DL	Dm	BD
DR	D/03 JF. 90.2	IZQ	63,62	58,97	33,78	31,46	39,17	63,62	58,97	33,78	31,46	39,17
DR	D/47/JE.83.4	IZQ	56,12	51,66	31,57			56,12	51,66	31,57		
DR	D/H/29. NE 135	IZQ	71,63	64,33	38,72	36,45	46,61	71,63	64,33	38,72	36,45	46,61
DR	D13/JI.44.5094	IZQ	74,97	68,92	44,96		46,35	74,97	68,92	44,96		46,35
DR	D14/JI. 44. 8676	DER	74,03	68,09	42,53	40,89	47,22	74,03	68,09	42,53	40,89	47,22
DR	D98/98.JF. 82.20	IZQ	66,89	60,44	36,25	35,97	38,23	66,89	60,44	36,25	35,97	38,23
DR	D95/B.20.42	IZQ	70,07	64,05	40,02	38,54	41,28	70,07	64,05	40,02	38,54	41,28
DR	D95/OW.22.1	IZQ		63,61		40,62		70,24	63,61		40,62	
DR	D.35.NE.157	IZQ		55,57		31,94		73,33	55,57		31,94	
DR	D.95/D22. EST180.5	IZQ		69,65		42,73		70,57	69,65		42,73	
DR	D.03/JG. 87.15	IZQ	70,24	65,78	39,07	40,72	43,02	75,77	65,78	39,07	40,72	43,02
DR	D.11/JC,81.1556	IZQ	73,33	67	42,09	43,44	44,8	78,17	67	42,09	43,44	44,8
DR	D03/JH-89.42	IZQ			33,08			74,36		33,08		
DR	D02/KB-88.20	IZQ	70,57	63,67	38,24	38,2	41,14	69,08	63,67	38,24	38,2	41,14
DR	DR.83/NO.2	IZQ	75,77	68,54	41,16	46,03	46,14	58,97	68,54	41,16	46,03	46,14
DR	D,98/JG85.23	IZQ	78,17	69,76	43,56	46,6	48,8	51,66	69,76	43,56	46,6	48,8
DR	LD/158.2536	IZQ	74,36	67,16	40,86	46,63	47,75	64,33	67,16	40,86	46,63	47,75
DR	D.15.1.1004.11656	IZQ	69,08	64,4	39,27	39,68	40,4	68,92	64,4	39,27	39,68	40,4

METAPODOS LA DRAGA															
SITE	CODE	N.S	HUESO	FRAC	LAT	Bp	Dp=3K	SD	DD	Bd	Dd	De	Be	Bpm	Bcr
DR	D14/JH42.9010		MT	EP-DM	DER	49,3		29,86							
DR	D95.C20.99	59	MT	s	IZQ			23,85	25,36	54,16	33,54	30,01	49,91		27,64
DR	D94/C20.99		MC	EP	IZQ	65,85	41,72							37,44	
DR	DR1995.H29NI		MT	EP	DER	53,67	55,27								
DR	DR.2015.JG50.11867		MT	ED	ND					56,08		26,95	50,42		28,5
DR	DR.1995.11. SAMPLE6	13	MC	ED	DER					65,99	25,29		50,9		
DR	DR.2004.JI88.SAMPLE16	18	MT	ED	IZQ				23,9	50,37		26,15	44,13		
DR	DR.1995.SAMPLE.4		MC	EP	DER	65,1	39,24								
DR	DR.2003.JH86.SAMPLE20		MT	EP	DER	45,76	47,5								
DR	DR.01.KC.88.14		MC	EP	IZQ	63,96	38,32							33,37	
DR	DR.1995.H30.SW52.SAMPLE5		MC	EP	DER	65,22	38,22							34,37	
DR	D/03.JH.85.5		MC	EP	DER									39,2	
DR	D13.JC42.6538		MC	EP	IZQ	57,61	34,69							31,02	
DR	D06/KC90.2		MC	EP	IZQ	56,53	35,12							30,15	
DR	D.1998.JD84.44.11		MC	EP	IZQ	60,62	37,13							33,21	
DR	DR.2005.KE91.4.SAMPLE3		MC	EP	DER	57,74	38,17	23,81						32,56	
DR	DR.1995.G4.SAMPLE.6		MC	EP	IZQ	69,84	41,95							37,87	
DR	D.K24.119		MT	EP	IZQ	45,23	46,76								
DR	D.15.JH48.11064		MT	EP	IZQ	45,39	47,32								
DR	D.2003.KE.88.4. SAMPLE14	7	MT	EP	DER	48,24	52,18								
DR	D.2002.KB88.16. SAMPLE 21		MT	EP	IZQ	46,69	48,04								
DR	D.1998.JF.82.11.SAMPLE19	35	MT	EP	IZQ	54,88	53,39								
DR	D.20015.JF.47.12109		MT	EP	IZQ	51,02	50,98								
DR	D.10.696		MT	ED	DER				28,08	62,26		32,15	55,49		30,75
DR	D.13.JA.44.5949		MC	ED	IZQ				19,38	61,4		27,68	47,82		30,64
DR	D.14.DI.42.7933	40	MC	ED	IZQ				28,57	71,61		31,58	54,91		32,73
DR	D.97.JE.84.1	29	MC	ED	IZQ					59,74		30,13	47,15		28,19
DR	D.14.JF42.9241	15	MC	ED	IZQ					62,75			48,98		30,64
DR	D.11.1.1004.11656	44	MT	EP	IZQ	44,61	44,45	23,96							
DR	D.14.JF45.7688		MC	EP	DER	58,05	35,88							29,81	
DR	D.2011.JF79.1520	11	MT	EP	IZQ	52,98	52,28								
DR	D.2001.JF78.L498.12		MT	ED	DER	54,11	54,41								
DR	D.1998.JH86.27.17		MT	ED	IZQ				27,12	56,64		32,69	50,54		28,38
DR	D.1995.DJ3NF		MT	ED	DER				29,35	67,98		33,26			
DR	D.1997.JG86.2.SAMPLE18		MT	ED	IZQ			32,7	29,16	65,81		32,19	57,83		30,8
DR	D.1997.JD83.22		MT	ED	IZQ			24,84	25,08	53,62		28,6	44,45		26,04
DR	D.2005.KE92.4.1		MC	ED	ND				19,86	56,78		27,58	45,68		26,72
DR	D.1988.JH86.27.SAMPLE17		MC	ED	ND				30,31	56,68		32,71	51,41		29,08
DR	D.1995.DJ31NF.140.SAMPLE15		MT	ED	ND				29,24	67,79		33,36	51,52		30,92
DR	D.2010.243.SAMPLE7		MC	ED	ND				25,76	73,37		32,82	58,83		31,87
DR	D.1997.JH5.11.SAMPLE2		MC	ED	ND			29,3	22,7	58,45		27,98	44,43		27,52
DR	D.1992.B-17.21.SAMPLE8		MC	ED	ND				25,76	73,1		31,41	59,93		33,13
DR	DI.03.F89.74	39	MP	ED	ND					62,99					30,48

METAPODOS LA DRAGA 2																			
a	b	c	d	e	f	1	2	3	4	5	6	7	8	9	10	1k	2k	3k	4k
																8,24	28,66	46,75	43,59
25,5	23,6	23,34	23,5	14,36	11,46	25,66	32,2	30,06	23,06	31,72	30,5	25,41	31,27	26,04	30,45				46,12
																42,41	42,82		69,26
																7,13	18,22	53,05	48,87
27,34	24,26	22,72	25,5	13,4	15,69	22,97	31,37	30,27	24,43	31,93	29,93	22,97	31,1	25,04	29,95				
28,33	30,95	28,85	29,4	15,99	17,53	26,65	35,12	33,84	29,06	36,62	33,37	25,93	33,51	28,68	33,74				
23,4	24,02	22,23	22,91	13,5	13,38	21,2	27,08	26,44	23,04	27,25	25,43	20,79	26,88	21,9	24,87				
																38,99	40,37		
																8,44	20,68	47,6	39,67
																38,61		36,88	63,99
																39,22	39,13		65,19
																34,01	35,99		
																	34,78		
																	37,28		
																	36,35		
																	42,36		
																8,62	17,24	46,89	45,33
																8,01	19,1	45,94	43,01
																12,22	25,97		
																8,66	15,88	45,78	41,48
																9,84	23,41	54,37	50,68
																7,56	22,59	51,47	47,34
27,49	29,35	27,59	28,92	14,2	18,55	25,33	35,32	33,27	27,29	36,09	32,74	25,3	33,67	27,62	32,79				
28,81	28,75	26,99	27,35	15,88	16,01	24,9	33,1	29,84	24,69	32,85	30,35	25,38	30,23	24,46	31,19				
33,24	33,68	30,89	32,53	19,37	18,62	29,19	34,55	33,12	27,29	35,64	34,62	29,79	32,84	28,33	34,13				
28,13	27,24	26,62	26,52	17,16	16,02	26,57	32,66	30,94	25,28	32,68	31,44	26,95	30,04	25,65	30,68				
28,58	30,18	26,96	29,75	15,41	18,29	25,77	35,43	32,33	27,64	36,62	33	24,42	33,57	28,13	33,31				
																7,07	19,86	43,92	42,49
																	35,95		
																9,41	23,1	50,07	49,59
																7,6	13,97	54,97	50,51
25,49	26,2	24,5	25,61	13,1	15,13	25,74	34,53	32,08	26,53	35,31	31,44	24,78	33,38	27,14	31,53				
29,76	34,63	27,34	31,66	16,33	22,43	27,38	36,38	34,85	30,06	37,78	34,15	27,31	35,2	32,03	33,46				
32,82	28,54	31,02	28,06	21,19	15,6	27,19	36,24	31,48	24,62	34,82	32,66	27,7	31,2	24,64	33,55				
25,64	24,28	24,48	22,53	15,78	13,17	25,02	32,8	29,76	23,5	32	30,23	25,71	29,63	23,41	31,15				
26,5	27,35	24,72	26,41	15,71	15,69	22,23	30,46	28,23	23,59	31,05	27,67	21,22	28,64	23,99	28,26				
24,99	26,84	24,18	25,59	14,87	15,42	25,41	34,55	32,06	26,44	35,22	31,33	24,49	33,36	27,31	31,89				
24,34	34,54	27,51	31,64	16,93	21,32	27,35	36,41	34,35	30,16	37,4	33,9	27,05	35,22	32,01	33,73				
33,99	35,27	31,79	32,8	20,14	19,88	28,41	37,07	35,15	28,8	36,96	34,35	28,13	35,74	28,05	35,89				
26,5	27,53	25,95	26,53	14,64	16,68	24,44	32,34	30,21	25,74	32,53	30,2	23,68	30,79	25,95	30,08				
32,51	32,98	29,85	30,78	20,39	20,97	29,09	36,87	34,32	28,26	36,86	34,72	29,77	34,44	28,17	34,92				
28,58	29,5	26,98	27,9	14,85	17,5	25,1	34,56	32,01	26,79	35,27	31,34	24,36	32,65	28	31,87				

PRIMERA FALAGANGE LA DRAGA													
SITE	CODE	ANT/POS	LAT	SEXO	GI	Bp	SD	Bd	WD	LM	HD	HI	HP
DR	D13.JE43.5367	ANT	ND	MAS		36,7	30,33	35,38	27,28	60,13	26,42	30,63	26,98
DR	D.14.JH42.8681	ANT	EXT	HEM	64,25	33,7	27,25	31,51	26,35	57,41	23	30,19	25,25
DR	D13.FJ44.6316	POST	EXT		59,88	29,8	23,99	27,01	22,28	52,29	15,77	21,87	28,06
DR	D13.JF46.5483	POST	EXT		64,38	31,31	25,49	28,99	25,93	58,67	19,35	28,1	27,55
DR	D15.261.12019	ANT	EXT	MAS	67,81	32,24	24,83	30,24	24,14	61,77	19,29	23,35	27,66
DR	D14.1643.9446	ANT	EXT	MAS	63,74	31,36	25,14	24,11	24,21	55,38	18,39	24,33	24,25
DR	D97.JF683	ANT	EXT	HEM	65,03	29,04	23,76	28,9	23,07	56,88	19,75	23,28	24,49
DR	D15.261-1.12031	ANT	EXT	HEM	59,12	30,24	24,43	27,52	23,19	52,97	21,25	23,35	22,09
DR	D15.216.2.12145	ANT	INT	MAS	60,15	26,81	22,36	25,03	19,91	54,31	21,19	22,35	23,33
DR	D15.1100411157	ANT	INT	MAS	60,59	29,43	26,21	31,12	24,08	52,55	21,95	26,54	24,66
DR	D15.2.2002.11345	ANT	INT	HEM	53,79	28,9	25,01	27,43	21,53	48,71	20,69	21,99	20,94
DR	D15.1100411635	ANT	INT	HEM	60,6	27,35	21,04	25,49	20,92	54,89	18,21	20,34	22,47
DR	D02.KA.91.8	POST	EXT		70,55	29,8	24,81	29,54	23,67	62,58	21,06	24,18	23,82
DR	D03.JH59.2	POST	EXT		60,19	31,78	26,39	29,9		56,16	19,84	21,73	
DR	D14.JG45.10021	POST	ND				22,63	28,62		60,12	24,75		26,21
DR	D04.JG92.20	POST	INT			34,98							
DR	D.97.JG82.13	ANT	EXT		59,37	31,5	26,55	30,16					
DR	D.LI8.NE.9	ANT	EXT		60,99	35,2	27,63	32,75					
DR	D.02.KA.90.4	ANT	EXT		58,41	27,54	21,94	28,06					
DR	D.EC.5123	ANT	EXT		61,18	28,99	26,13	29,28					
DR	D97.SA82..2	ANT	EXT		62,22	28,49	23,46	26,23					
DR	D.H23.NO.2	ANT	EXT		63,44	32,74	27,96	31,8					
DR	D.98.JF84.14	ANT	EXT		57,22	29,9	26,1	27,98					
DR	D.I-29.NE.43	ANT	ND			28,65	24,79	27,37					
DR	D.L31.NO37	ANT	ND			29,04	23,78	26,71					
DR	D.55.E22.42	ANT	ND			28,47	23,35	27,48					
DR	D.95.B.20.34	ANT	INT	MAS	66,39	35,58	30,92	34,6					
DR	D.LL25.SE.3	ANT	INT	MAS	56,99	31,87	27,99	27,64					
DR	D.95.OX22.38	ANT	INT	MAS	60,48	32	26	29,51					
DR	D.ES3.14	ANT	INT	HEM	59,78	30,92	25,22	28,1					
DR	D.91.ES61.1	ANT	INT	HEM	58,7	30,35	26,05	28,29					
DR	D97.JG.84.6	ANT	INT	HEM	58,43	32,42	25,67	28,81					
DR	D.91.I16.57	ANT	INT	HEM	56,99	29,05	26,14						
DR	D.97.JO84-19	ANT	INT	HEM	58,19	31,13	25,89	28,58					
DR	D15.11004.11639	ND	ND		70,06	31,47	27,02						
DR	D.L22.541.3	ND	ND			29,41	24,2						
DR	D.03.J488.2	POST	EXT		64,03	29,76	22,86	27,09					
DR	D4.2097	POST	INT		64,05	27,46	22,55	26,08					
DR	D95.03.21...11	POST	EXT		66,44	31,28	24,42	29,86					
DR	D.95.C20.98	POST	INT		64,85	27,5	23,88	27,59					
DR	D.95.C20.23	POST	EXT					30,74					
DR	D.03.JF88.2	POST	EXT			34,72							
DR	DI.93.JF.88.40	POST	EXT		61,93	30,22	26,15	30,5					
DR	D.03.JB88.4	POST	INT		61,9	28,96	23,54	28,01					
DR	D.I31.N6.90	POST	INT			33,53							
DR	D.95.B2.263	POST	INT		66,73		23,3	29,94					
DR	D.E17.28	POST	INT		63,99		25,22	28,37					

SEGUNDA FALANGE LA DRAGA							
SIGLA	ANT/POS	LAT	SEXO	GL	Bp	SD	Bd
D15.1.1004.11747	ANT	EXT		36,599	29,86	23,02	
D15.2.261.2.12198	ANT	EXT		41,66	30,52	23,72	26,14
D.616.NE.24	ANT	EXT	MAS	45,14	34,47	30,63	33,73
D.51.10041B50	ANT	EXT	MAS	41,42	33,49	25,74	27,98
010.20	ANT	EXT	MAS		31,35	25,45	
D.01.JI88.2	ANT	EXT	MAS	39,89	30,16	24,26	26,29
D13.NET.JC45.7.336	ANT	EXT	HEM	41,06	29,79	23,1	
D.L21.NW.29	ANT	EXT	HEM	39,48	28,48	22,64	24,46
D.NY25.SE.4	ANT	EXT	HEM		30,59	25,18	
D.10.403	ANT	EXT	HEM	39,9	32,43	26,08	28,23
97.JE83.21	ANT	INT	MAS	43,27	32,62	25,94	27,68
D.13.JB4.6304	ANT	INT	MAS			21,09	
D.14.II46.3161	ANT	INT	MAS	45,5	33,07	26,58	27,1
A.G18SE13	ANT	INT	HEM	42,89	35,1	29,92	
D.13.JB40.6276	ANT	INT	HEM	41,51	29,71	24,7	25,76
D.H31.SW64	ANT	INT	HEM	39,65	29,29	21,08	21,86
134.DI30.NO.NF	ANT	INT	HEM	44,67	35,15	30,1	30,6
D.05.OZ22.25	POST	EXT		40,82	27,04	22,12	23,14
D.04.JG.92.8	POST	EXT		39,4	29,96	23,41	24,63
D.14.JA42.9638	POST	EXT			31,6	26,93	27,26
D.13.6541	POST	EXT			28,67	22,57	24,44
D1031488.1	POST	EXT		40,78	30,33	22,57	25,75
D15.1.11585	POST	EXT			28,44	23,23	24,04
D.97.JD82.27	POST	EXT		42,36	28,69	22,39	24,14
D.14.JA42.9343	POST	EXT		41,88	28,9	21,59	23,34
D.H27.8	POST	EXT			32,84	27,54	26,08
D.14.K31....4.199	POST	EXT		44,51	32,82	26,59	
D.P26.3.2.2	POST	EXT				26,34	29,34
D.95.D22.5	POST	EXT		44,81	33,54	26,91	27,6
D.97.5.6693.1	POST	EXT			30,15	25,28	23,11
D.15.2.2002.11881	POST	INT		44,11	30,98	23,9	25,86
D97.JBE93.7	POST	INT		40,73	29,47	22,49	24,5
D.95.OZ.21.18	POST	INT		41,71	27,87	21,79	22,83
D.95.C21.89	POST	INT		41,53	27,23	21,4	22,81
D.H24...3	POST	INT		46,2	32,73	26,9	28,13
D.97.JG84.4	POST	INT		40,49	28,68	23,05	22,63
D.15.2.2002.11962	POST	INT		42,59	29,03	21,79	23,44
D.15.Z.2002.11959	POST	INT		40,61	27,79	21	
D.KIB.NO.58	POST	INT		44,87	31,59	25,51	28,52
D.P.26.SE1	POST	INT		47,77	35	26,84	