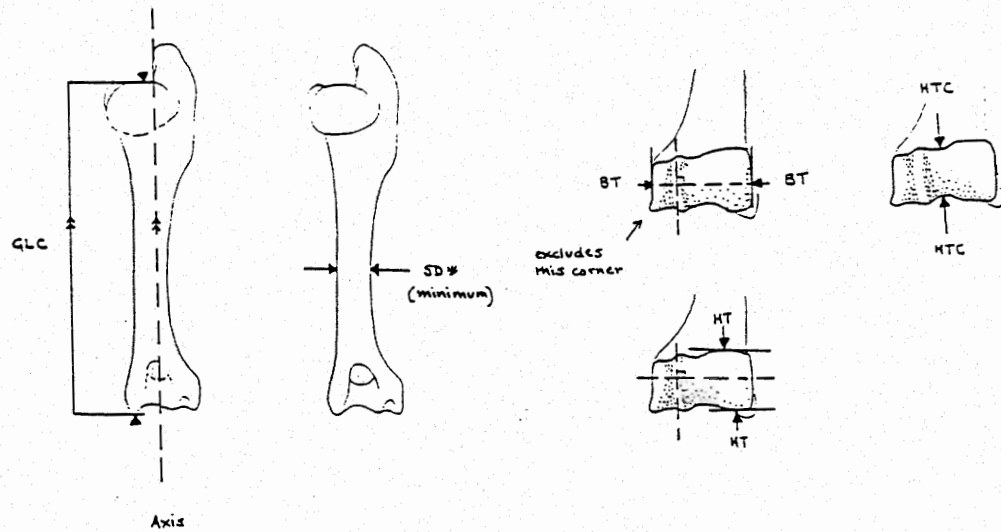


Appendix 1



Humærus

vdD Brief definition

GLC Greatest length from caput (head); taken (as vdD) along long axis of bone, 'in projection'.

SD* KD (German) - Smallest breadth of shaft taken as a minimum diameter regardless of orientation; measured when GLC can be taken.

BT Breadth of the trochlea, including the outer borders of both the lateral and medial condyles, and excluding the 'granular thickening at the end of the lateral border' (Boessneck, 1969: 341 and Fig. 55Bc), taken at right angles to the ridge on the articular surface.

[HT] Height of trochlea, taken at right angles to BT.

[MTC] Diameter of trochlea at central constriction; in measuring this, it is important that neither tip of the calliper jaws be placed at or too close to the edges of the articular surface, since this produces too low a value. May need fairly sharp-bladed callipers.

Calcaneum

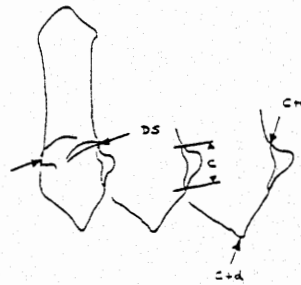
vdD . . . Brief definition

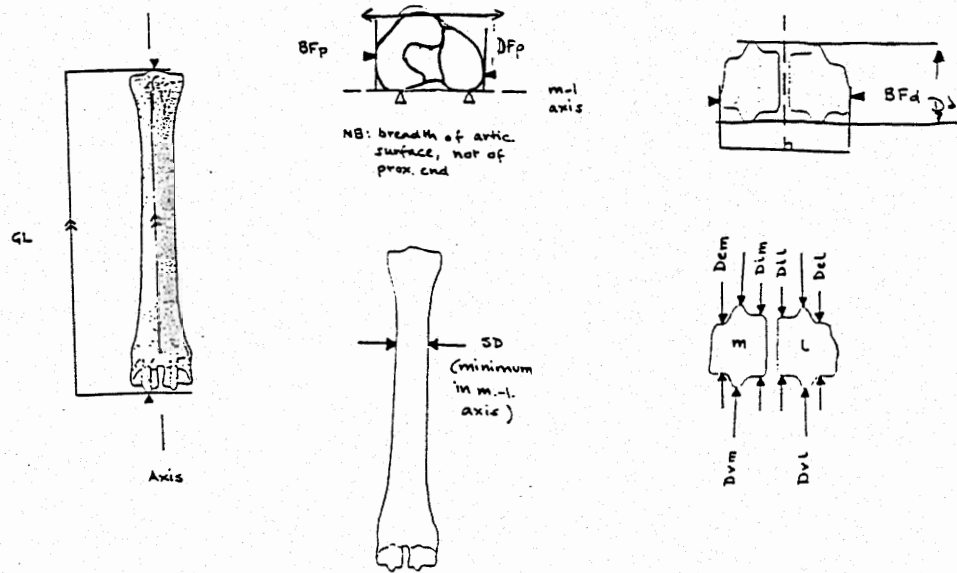
GL . . . Greatest length (+)

'DS' . . . (Greatest) depth of the sustentaculum tali



Os calcanei.
lateral view.





Metacarpal

- vdD Brief definition
- GL Greatest length, taken (as vdD) along long axis of bone, 'in projection'.
- BFp Breadth of proximal articular surface, in m-l axis (see drawing).
- SD KD (German) - Smallest breadth of the shaft, in m-l axis; measured when GL can be taken.
- BFd Breadth of the distal articulation, in m-l axis.
- [Dcm] A-p diameter of external trochlea, medial condyle.
- [Dvm] A-p diameter of verticillus, medial condyle.
- [Dcl] A-p diameter of external trochlea, lateral condyle.
- [Dvl] A-p diameter of verticillus, lateral condyle.
- [Dlm] A-p diameter of internal trochlea, medial condyle.
- [Dll] A-p diameter of internal trochlea, lateral condyle.

Appendix 2

All measurements are in millimetres.
 All measurements in parentheses are approximations.

Cattle measurements

Phase	Element	Measurements											
		41	42	43	BC								
2	Horncore	53.4	42.5	195	163								
2	Horncore	76.2	66.1	-	240								
4	Horncore	48.6	38.0	-	147								
5	Horncore	46.8	37.2	-	147								
		SLC											
3	Scapula	47.2											
		SD	BT	HT	HTC								
2	Humerus	29.5	63.9	40.5	29.6								
3	Humerus	-	74.5	-	34.0								
5	Humerus	33.3	71.4	41.5	32.8								
		BFp	Bp										
4	Radius	72.0	81.2										
		GL	SD	BFp	DFp	Bd	Dd	Dem	Dvm	Dim	Dil	Dvl	Del
4	Metacarpal	186.7	31.7	-	35.2	-	-	24.6	32.1	29.0	-	-	-
4	Metacarpal	-	-	59.2	34.1	-	-	-	-	-	-	-	-
4	Metacarpal	-	-	-	-	59.7	29.1	22.5	29.1	25.6	25.9	28.1	21.5
		Bd											
4	Tibia	54.5											
		GL	DS	C	C+D								
2	Calcaneum	116.1	40.6	21.5	41.7								
3	Calcaneum	-	39.0	24.8	47.5								
4	Calcaneum	-	37.8	-	44.0								
		GLI	GLm	DI	Dm	Bd							
4	Astragalus	65.1	59.1	35.7	35.7	43.3							
4	Astragalus	68.0	-	-	-	44.6							
		GL	SD	Bp	Dp	Bd	Dd	Dem	Dvm	Dim	Dil	Dvl	Del
3	Metatarsal	209.6	22.6	43.0	42.7	48.7	28.4	21.2	29.1	25.2	27.0	28.7	20.5
4	Metatarsal	-	-	45.8	-	-	-	-	-	-	-	-	-
4	Metatarsal	-	-	51.5	48.6	-	-	-	-	-	-	-	-

Sheep measurements

Phase	Element	Measurements			
		41	42	43	BC
4	Horncore	35.1	27.9	138	114
		GLP	SLC	ASG	
3	Scapula	33.3	21.9	17.1	
3	Scapula	-	20.7	18.0	
4	Scapula	-	16.6	14.8	
4	Scapula	-	16.6	15.4	
4	Scapula	31.0	19.8	20.3	
4	Scapula	30.0	17.2	16.3	
4	Scapula	34.7	21.0	20.0	
4	Scapula	30.8	17.9	17.6	
4	Scapula	33.5	20.5	20.0	
4	Scapula	(26.0)	28.7	19.6	
4	Scapula	31.5	19.0	17.3	
5	Scapula	-	18.8	18.0	
		SD	BT	HT	HTC
3	Humerus	-	27.4	-	14.8
4	Humerus	-	25.4	11.8	14.4
4	Humerus	-	26.8	12.1	13.2
4	Humerus	12.3	24.1	-	13.4
4	Humerus	14.5	27.9	19.2	13.9
4	Humerus	14.2	29.2	18.4	14.0
		GL	PL	SD	BFp
3	Radius	151.7	148.5	15.5	27.7
4	Radius	160.6	154.6	16.7	29.0
4	Radius	145.5	142.1	16.0	28.2
4	Radius	134.6	-	15.8	27.0
4	Radius	135.4	-	14.7	25.2
4	Radius	-	-	15.0	26.2
4	Radius	-	-	-	26.6
4	Radius	150.0	-	15.8	28.2
4	Radius	148.9	-	15.9	27.3
4	Radius	149.7	145.0	17.4	28.5
4	Radius	-	-	15.2	28.8
5	Radius	(139.5)	-	16.2	-
5	Radius	126.7	-	14.0	25.0
		GL	SD	Bd	Dd
4	Tibia	190.3	10.7	24.8	19.0
4	Tibia	-	-	28.1	20.7
5	Tibia	-	(17.5)	30.7	23.0

Sheep metacarpal measurements.

Phase	GL	SD	BFp	DFp	BFd	Dd	Dem	Dvm	Dim	Dil	Dvl	Del
3	110.7	13.2	20.5	15.5	23.6	15.3	10.5	15.4	12.9	13.2	14.9	9.5
3	108.0	12.3	20.3	14.5	-	-	-	-	-	-	-	-
3	121.0	13.6	22.8	16.6	24.5	15.8	10.3	15.8	12.8	13.1	15.5	9.7
4	106.6	12.0	20.0	14.9	-	-	-	-	-	-	-	-
4	116.2	11.4	21.3	16.0	-	-	-	-	-	-	-	-
4	110.3	13.7	21.7	15.7	24.5	15.0	10.1	14.9	12.4	12.7	14.6	9.4
4	125.0	14.5	23.2	17.3	25.5	15.2	10.2	15.3	13.0	13.1	14.7	9.1
4	-	15.3	24.8	17.6	-	-	-	-	-	-	-	-
4	-	11.2	20.1	14.6	-	-	-	-	-	-	-	-
4	114.8	13.1	-	15.6	23.8	15.5	10.3	15.6	12.6	12.9	15.0	9.7
5	118.5	14.8	24.5	17.1	27.0	16.1	10.4	16.2	13.4	13.4	15.7	9.7
5	113.8	14.1	22.7	17.6	26.6	15.6	11.2	15.7	13.6	13.3	15.2	10.3
5	121.8	14.1	23.1	17.2	24.7	-	9.5	-	12.7	13.1	-	9.6
5	116.9	12.8	23.6	17.0	25.3	16.2	10.6	16.2	14.5	13.8	15.6	10.0
5	116.8	12.7	22.5	15.5	24.1	15.2	10.0	15.2	12.5	12.5	14.8	9.3
5	125.0	13.8	24.0	17.2	25.7	16.6	11.1	16.6	14.2	14.1	16.1	10.3
5	108.9	12.8	21.4	15.3	24.7	15.8	10.3	15.8	13.1	13.4	15.5	9.8
5	116.9	13.5	22.7	15.9	24.5	15.1	10.3	15.2	13.2	13.4	14.7	9.6
5	110.4	12.5	20.6	16.1	22.9	14.6	9.6	14.6	12.2	12.3	14.0	8.9
5	109.2	12.2	20.7	15.7	23.2	14.7	9.5	14.7	12.1	12.2	14.5	8.9
5	109.4	12.2	20.5	15.0	23.0	15.2	10.1	15.2	12.9	13.1	14.9	9.5
5	123.2	14.0	23.7	16.7	26.0	-	10.9	-	13.5	13.5	-	10.4
5	117.6	13.4	23.2	16.7	25.1	15.0	10.5	15.5	12.9	13.0	15.0	9.6
5	121.7	12.1	21.5	17.0	24.0	16.0	10.8	16.0	13.5	13.5	15.5	10.0
5	120.9	12.2	20.8	15.6	22.5	-	10.0	-	12.6	12.8	-	9.6
5	118.2	14.2	24.5	17.2	26.8	17.0	11.0	17.0	14.1	14.2	16.5	10.1
5	113.0	13.2	21.7	15.1	25.3	14.6	10.0	14.5	12.7	12.6	-	8.8
5	119.1	12.6	22.6	16.6	25.0	15.2	10.0	15.3	12.6	12.6	14.7	9.2
5	101.8	12.5	20.8	15.3	23.7	14.6	10.2	14.6	12.5	12.4	14.1	9.3
5	108.2	11.9	20.8	15.0	23.7	14.7	9.6	14.7	13.0	12.8	14.5	8.8
5	115.3	12.7	21.5	14.8	24.1	14.7	10.3	15.2	13.1	12.7	14.8	9.5
5	110.7	12.1	21.6	16.0	23.2	15.2	10.3	15.2	12.9	13.0	-	10.2
5	124.0	14.0	23.4	16.9	-	-	11.6	16.4	14.5	-	-	-
5	104.0	12.3	20.2	15.5	-	-	9.8	14.6	12.9	-	-	-
5	114.7	14.2	22.7	16.5	-	-	10.2	-	13.0	-	-	-
5	110.3	11.6	20.8	-	-	-	-	-	-	12.7	14.0	8.9
5	-	13.1	23.7	16.8	-	-	-	-	-	-	-	-
5	-	13.5	23.3	16.1	-	-	-	-	-	-	-	-
5	-	13.3	25.1	16.4	-	-	-	-	-	-	-	-
5	-	13.7	21.4	14.5	-	-	-	-	-	-	-	-
5	-	13.7	24.1	17.0	-	-	-	-	-	-	-	-
5	-	13.9	23.9	16.7	-	-	-	-	-	-	-	-
5	-	12.9	22.7	17.1	-	-	-	-	-	-	-	-
5	-	12.3	21.7	16.1	-	-	-	-	-	-	-	-
5	-	13.7	22.5	17.0	-	-	-	-	-	-	-	-
5	-	12.5	21.7	15.8	-	-	-	-	-	-	-	-
5	-	13.2	20.9	15.9	-	-	-	-	-	-	-	-
5	-	13.3	22.2	16.6	-	-	-	-	-	-	-	-
5	-	13.2	22.0	15.3	-	-	-	-	-	-	-	-
5	-	15.2	25.0	17.7	-	-	-	-	-	-	-	-
5	-	12.7	22.6	16.0	-	-	-	-	-	-	-	-
5	-	15.6	24.3	18.0	-	-	-	-	-	-	-	-
5	-	14.7	25.0	17.4	26.7	-	11.0	-	-	-	-	10.6
5	-	-	-	-	23.5	-	9.1	14.4	13.3	12.9	-	9.9
5	-	-	-	-	23.8	16.0	11.0	15.9	13.5	13.4	15.6	10.5
5	-	-	-	-	22.9	14.7	9.9	14.7	12.8	13.0	14.4	9.3
5	-	-	24.5	17.5	-	-	-	-	-	-	-	-
5	-	-	20.9	15.1	-	-	-	-	-	-	-	-
5	-	-	-	-	26.2	16.5	-	-	-	-	-	-

Phase	GL	SD	BFp	DFp	BFd	Dd	Dem	Dvm	Dim	Dil	Dvl	Del
5	117.5	14.5	23.5	17.3	26.2	15.7	10.8	15.6	13.1	13.2	15.2	9.7
5	115.1	13.5	22.4	15.9	25.0	14.3	9.7	-	12.8	13.1	14.5	9.5
5	118.0	14.2	22.5	16.9	25.4	15.5	10.6	15.5	13.5	13.5	15.1	9.7
5	122.8	13.9	23.3	18.2	25.2	16.8	11.1	16.9	14.1	14.1	16.2	10.7
5	-	13.4	22.5	14.9	-	-	-	-	-	-	-	-
5	130.0	12.7	21.6	16.2	23.6	16.1	11.1	16.1	13.5	13.2	15.4	10.1
5	109.6	12.2	20.8	15.5	22.5	14.8	9.7	14.8	12.1	12.3	14.3	9.2
5	-	14.5	22.4	16.6	-	-	-	-	-	-	-	-
5	-	12.0	22.9	17.0	-	-	-	-	-	-	-	-
5	-	-	23.1	16.5	-	-	-	-	-	-	-	-
5	142.1	16.5	25.6	19.1	27.0	18.2	12.7	18.2	14.9	15.2	17.6	12.0
5	107.1	11.5	19.7	13.8	22.1	-	9.1	-	11.6	11.7	-	8.6
5	109.5	12.0	20.5	14.6	23.4	14.9	9.7	14.7	12.0	12.2	14.2	9.0
5	111.2	12.6	23.0	17.0	25.3	15.5	10.4	15.5	13.0	13.0	15.0	9.6
5	-	13.3	22.0	-	-	-	-	-	-	-	-	-
5	-	12.0	22.6	16.7	-	-	-	-	-	-	-	-
5	-	13.1	24.2	17.1	-	-	-	-	-	-	-	-
5	-	13.9	23.5	17.1	-	-	-	-	-	-	-	-

Sheep metatarsal measurements

Phase	GL	SD	BFp	BFd	Dd	Dem	Dvm	Dim	Dil	Dvl	Del
3	-	-	-	21.1	-	9.8	-	11.9	12.0	14.3	9.0
3	-	-	-	23.5	16.2	11.0	16.2	13.9	13.8	15.4	10.3
4	124.3	11.3	20.0	23.8	14.6	10.1	-	12.7	12.4	13.7	9.1
4	-	-	-	21.7	15.7	10.0	15.7	12.4	12.6	14.6	9.5
4	139.0	11.8	21.4	24.7	17.0	10.7	17.0	14.1	14.0	15.8	9.6
4	134.3	11.1	19.5	23.0	15.4	9.2	15.3	11.9	12.3	14.3	8.6
4	124.8	11.6	18.6	21.8	15.0	9.5	15.0	12.3	12.0	14.1	8.8
4	118.4	10.4	18.6	19.7	15.0	9.6	15.0	12.1	12.1	14.1	9.0
4	-	11.1	18.7	-	-	-	-	-	-	-	-
4	-	-	-	22.7	15.9	9.5	15.2	13.3	13.0	15.7	9.6
5	145.0	12.4	22.8	25.0	-	11.0	-	14.2	14.3	-	10.2
5	139.8	12.3	22.5	23.9	17.0	10.4	16.9	13.3	13.7	-	9.5
5	127.2	10.6	19.9	23.5	15.9	10.0	15.9	12.5	12.5	14.7	9.3
5	139.9	11.7	21.2	24.6	-	10.4	-	13.0	13.0	-	9.1
5	124.0	11.7	21.2	25.2	16.2	10.3	16.3	13.6	13.8	15.5	9.4
5	-	10.4	19.9	23.3	15.2	14.1	15.3	12.7	12.5	14.5	9.0
5	127.7	12.2	20.7	23.1	15.7	10.5	15.7	13.2	12.9	14.5	9.7
5	123.2	11.2	19.5	22.8	15.3	10.2	15.3	12.5	12.7	14.3	9.2
5	121.5	10.0	19.8	22.7	14.7	9.5	-	12.0	12.4	14.5	8.7
5	119.8	10.9	20.0	24.0	16.0	10.5	16.1	12.9	12.9	15.3	9.6
5	134.0	10.7	21.9	25.0	17.5	11.0	16.4	14.1	14.1	17.4	10.9
5	112.8	10.7	19.0	22.8	14.4	9.6	14.5	11.7	11.6	13.3	8.1
5	124.7	10.0	18.6	21.2	15.2	9.5	15.3	12.4	12.1	14.3	9.1
5	127.6	11.8	21.0	24.2	16.0	10.9	16.0	12.7	12.9	15.0	9.7
5	118.2	11.5	20.1	24.2	15.0	9.3	15.0	12.9	12.8	14.1	8.0
5	-	12.8	20.7	26.2	15.7	10.2	16.0	13.5	13.5	15.3	9.6
5	122.8	10.8	18.7	22.0	14.3	9.2	14.7	11.7	11.9	13.6	8.1
5	-	10.5	-	23.7	15.0	9.8	15.1	12.1	12.3	14.4	9.2
5	132.0	10.5	20.5	23.5	16.5	10.9	16.3	13.3	13.1	15.5	9.5
5	132.2	12.1	20.8	24.1	-	10.1	-	-	-	-	9.5
5	123.3	10.1	18.7	22.4	14.3	9.3	14.4	12.1	12.3	14.0	8.5
5	118.5	10.9	19.3	23.6	15.4	9.8	15.4	13.0	13.0	14.7	9.0
5	112.1	10.5	18.4	21.7	14.1	8.5	14.1	11.5	11.5	13.2	7.5

Phase	GL	SD	BFp	BFd	Dd	Dem	Dvm	Dim	Dil	Dvl	Del
5	-	11.5	20.2	-	-	11.0	16.6	13.1	-	-	-
5	124.8	11.0	19.2	-	-	9.2	15.5	12.6	-	-	-
5	123.1	10.7	18.5	-	-	-	-	-	12.5	14.5	9.3
5	-	11.0	-	22.5	14.1	8.3	14.0	12.1	12.1	13.6	8.1
5	-	12.1	21.0	-	-	-	-	-	-	-	-
5	-	11.4	-	-	-	-	-	-	-	-	-
5	-	11.2	20.0	-	-	-	-	-	-	-	-
5	-	10.0	19.7	-	-	-	-	-	-	-	-
5	-	11.3	19.8	-	-	-	-	-	-	-	-
5	-	12.4	21.9	-	-	-	-	-	-	-	-
5	-	10.7	22.2	-	-	-	-	-	-	-	-
5	-	11.1	20.3	-	-	-	-	-	-	-	-
5	-	11.4	21.0	-	-	-	-	-	-	-	-
5	-	9.6	18.9	-	-	-	-	-	-	-	-
5	-	10.7	-	-	-	-	-	-	-	-	-
5	-	12.0	-	22.8	16.2	10.6	16.2	13.3	13.4	15.5	10.1
5	-	9.7	-	-	-	-	-	-	12.2	14.4	9.7
5	-	10.9	20.5	-	-	-	-	-	-	-	-
5	-	9.9	-	-	-	-	-	-	-	-	-
5	-	10.5	13.3	-	-	-	-	-	-	-	-
5	-	12.5	20.7	-	-	-	-	-	-	-	-
5	-	10.2	19.0	-	-	-	-	-	-	-	-
5	138.3	13.6	22.0	25.9	17.3	10.7	17.1	14.0	14.2	16.2	10.3
5	-	12.1	20.8	24.8	-	9.6	-	-	-	-	8.5
5	134.8	11.4	21.2	24.4	16.5	10.7	17.0	14.2	13.9	16.2	10.5
5	126.6	11.2	19.8	22.6	15.2	9.6	15.2	12.5	12.6	14.8	9.5
5	-	12.8	22.0	-	-	-	-	-	-	-	-
5	127.2	13.2	21.5	25.1	15.7	10.0	15.7	13.1	13.3	14.9	9.3
5	118.9	11.0	19.0	23.5	15.0	9.4	15.1	12.7	12.6	13.9	8.0
5	129.5	11.9	21.0	-	-	-	-	-	13.1	15.0	9.5
5	-	13.1	22.9	-	-	-	-	-	-	-	-
5	-	11.5	21.6	-	-	-	-	-	-	-	-
5	-	12.0	21.0	-	-	-	-	-	-	-	-
5	124.1	11.2	19.6	23.9	15.2	9.4	15.2	12.7	12.8	14.5	8.9
5	135.0	11.6	21.5	24.6	16.2	10.9	-	13.7	13.8	-	10.4
5	-	11.7	20.5	24.6	17.3	10.4	17.3	14.0	13.9	16.2	10.2
5	114.2	10.0	18.5	-	13.7	-	-	11.6	11.6	13.8	8.6
5	140.2	10.6	20.9	-	-	-	-	-	13.8	16.0	10.4
5	-	13.5	23.6	-	-	-	-	-	-	-	-
5	-	9.3	19.4	-	-	-	-	-	-	-	-
5	-	11.7	20.3	-	-	-	-	-	-	-	-
5	-	12.2	22.8	-	-	-	-	-	-	-	-
5	-	11.5	19.5	-	-	-	-	-	-	-	-

Pig measurements

Phase	Element	Measurements						
		1	2	3	4	5	6	7
4	Tooth	-	-	10.6	13.3	13.4	13.5	(15.4)
4	Tooth	-	10.5	11.1	12.7	12.8	-	-
5	Tooth	9.2	-	-	-	-	-	-
5	Tooth	9.3	-	-	-	-	-	-
5	Tooth	8.7	10.6	11.3	-	-	-	-
4	Humerus	Bp (66.6)						
4	Radius	BFp 29.0						

Horse measurements

Phase	Element	Measurements										
		1	2	3	9	10	16	22	24	38	41	50
4	Cranium	503	487	463	175	342	(215)	155.7	86.2	102.7	201.1	111.7
4	Cranium	514	-	470	178	345	-	-	98.5	102.6	193.5	-
4	Cranium	520	499	474	183	356	-	159.5	87.1	109.4	204.4	99.7
4	Cranium	-	-	-	-	-	-	-	-	112.6	-	107.7
4	Cranium	-	-	-	-	-	-	-	-	114.7	199.7	-
4	Mandible	3	4	6a	19							
4	Mandible	401	262.9	155.6	194.5							
4	Mandible	418	262.5	160.3	210.7							
4	Scapula	SLC	GLP									
		69.3	101.3									
5	Radius	GL	PL	SD	Bp	BFp						
		317	(316.5)	35	73.1	68						
3	Tibia	GL	Ll	SD	Bp	Bd	Dd					
4	Tibia	329	(310)	35.8	90.3	(70.2)	43.6					
4	Tibia	341	(310)	39.4	92.4	73.5	43.6					
4	Tibia	-	-	-	-	67.9	-					
	Tooth	Breadth		Length								
4	LP2	17.2		29.5								
4	LP3	16.6		25.3								
4	LP3	18.2		25.8								
4	LP4	16.6		23.9								
4	LP4	17.2		24.3								
4	LM1	15.9		23.3								
4	LM1	17.3		21.7								
4	LM2	14.6		23.6								
4	LM2	15.2		23.2								
4	LM3	13.6		38.5								
4	LM3	13.0		31.1								
4	UP2	20.2		36.8								
4	UP2	20.8		40.5								
4	UP2	23.7		34.2								
4	UP3	23.9		27.1								
4	UP3	24.7		30.3								
4	UP3	25.6		25.7								
4	UP4	24.0		25.0								
4	UP4	24.3		29.8								
4	UP4	25.9		26.7								
4	UM1	23.2		23.3								
4	UM1	24.7		32.7								
4	UM1	25.0		23.3								
4	UM2	23.4		23.2								
4	UM2	24.2		23.8								
4	UM3	22.2		26.1								
4	UM3	22.6		28.8								

Dog measurements

Phase	Element	Measurements				
		1	29	30	38	
4	Cranium	173.6	57.2	97.4	54.9	
4	Cranium	180.5	57.1	98.1	57.7	
		HS	GLP	SLC		
2	Scapula	139.5	28.1	20.4		
3	Scapula	138.6	27.4	20.5		
4	Scapula	(102.7)	22.5	17.5		
		GL	SD	Dp	Bd	
4	Humerus	115.9	9.5	26.2	23.0	
4	Humerus	-	6.0	-	15.5	
4	Humerus	150.1	11.6	39.2	30.9	
5	Humerus	-	6.5	-	18.6	
		GL	SD	Bp	Bd	
3	Radius	176.3	14.1	18.4	25.2	
4	Radius	151.2	12.2	16.6	22.0	
4	Radius	151.2	12.1	16.7	22.0	
4	Radius	112.0	8.8	12.5	16.5	
5	Radius	195.3	21.4	34.7	26.7	
		GL	SDO	DPA	BPC	
4	Ulna	178.7	20.0	24.2	17.7	
4	Ulna	180.3	19.7	23.9	17.5	
4	Ulna	134.0	14.4	19.4	-	
4	Ulna	-	14.4	17.7	-	
4	Ulna	200.0	20.0	24.0	-	
		GL				
4	Metacarpal	36.0				
		GLC	SD	Bp	DC	Bd
4	Femur	221.1	14.6	44.9	21.4	36.5
4	Femur	126.8	9.5	25.2	13.1	20.6
4	Femur	-	-	25.3	13.3	-
4	Femur	160.4	11.4	36.8	16.5	30.3
4	Femur	94.7	7.4	21.1	9.3	18.6
5	Femur	(95.9)	9.0	25.0	-	-
		GL	SD	Bp	Bd	
4	Tibia	163.1	13.0	33.2	21.9	
4	Tibia	165.5	12.7	32.7	21.1	
4	Tibia	120.0	9.6	22.0	15.6	
5	Tibia	146.4	10.1	26.6	18.6	
		GL				
4	Metatarsal	59.6				
4	Metatarsal	67.0				
4	Metatarsal	69.5				
4	Metatarsal	63.2				

Fallow deer measurements

Phase	Element	Measurements					
		SLC	ASG				
3	Scapula	21.8	20.5				
3	Metacarpal	GL 182.4	SD 15.0	Bp 21.9	Dp 18.0	Bd 27.5	Dd 17.6
2	Metatarsal	224.0	17.2	27.2	29.0	29.9	19.8
3	Metatarsal	221.1	17.3	27.8	28.1	30.3	19.8
3	Metatarsal	204.2	14.7	23.5	26.0	27.1	17.6
3	Metatarsal	(207.7)	15.5	25.0	28.5	29.8	19.1

Cat measurements

Phase	Element	Measurements				
		HS	SLC	GLP		
4	Scapula	60.8	11.0	12.2		
4	Humerus	SD 6.0	Bd 15.5			
4	Tibia	GL 15.9	SD 7.0	Bp 17.8	Bd 14.9	
4	Femur	GLC 94.3	SD 6.6	Bp 17.0	DC 8.2	Bd 14.0
4	Femur	93.6	6.6	16.6	8.2	14.5
5	Femur	103.2	8.0	18.7	19.0	12.5

Bird measurements

Phase	Species	Element	Measurements					
			GL	SC	Bp	Dip	Did	
4	Corvid	Ulna	(79.4)	4.5	9.9	(10.6)	9.3	
3	Fowl	Tibiotarsus	GL 133.6	La 126.8	Dip 26.6	Bd 14.0	Dd 14.8	SC 8.2
4	Goose	Tibiotarsus	143.3	134.5	-	17.1	16.4	-