

SIMO TAINIARO / Tuija Wallenius 1984

KM 22398

Luuanalyysi 23.7.1990 Pirkko Ukkonen

Materiaali oli suhteellisen ehjää ja hyvin säilynyttä. Hylkeet (Phocidae sp.) muodostivat suurimman osan tunnistetuista kappaleista. Aineiston fragmentaarisuuden vuoksi hylkeitä ei ole määritetty lajilleen. Kyseessä on todennäköisimmin norppa (Phoca hispida), mutta periaatteessa myös harmaahylje (Halichoerus grypus) ja grönlanninhylje (Phoca groenlandica) ovat mahdollisia.

Toisen tärkeän ryhmän muodostivat majavan (Castor fiber) luut. Aineisto sisälsi molemmissa ryhmissä kappaleita ruumiin kaikista osista, siis myös kallofragmentteja ja kynsiä. Hampaita ei aineistossa ollut.

Luukalojen (Teleostei sp.) selkänikamia ei ole yritetty määrittää lajilleen. Ihmisen käden kynsiluuksi määritetty kappale oli hyvin kulunut ja määrittäminen on siksi epävarma.

Aineistossa oli yksi koristeltu luufragmentti (laatikko n:o 446).

Tieteelliset termit löytyvät Museoviraston julkaisusta Fortelius: Johdatus arkeologiseen luuanalyysiin sekä oheisesta liitteestä. Merkintä "epiph." l. epifyysi viittaa nuoreen, vielä kasvuiässä olevaan yksilöön. Korkeampien taksorien kohdalla (esim. Mammalia sp.) on suluissa viittaus todennäköisimpään vaihtoehtoon.

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22398:

4	femur sin. dist. fr. phal. 1 prox. fr. phal. 2 dist. fr.	Phocidae sp. " "
9	humerus dex. diaph. fr. radius diaph. fr. fibula sin. dist. epiph. fr. cranium, fossa mandibularis phal. 1 prox. fr.	Phocidae sp. " " " "
14	radius sin. prox. fr. femur sin., trochanter major astragalus sin. fr. ectocuneiforme dex. fr. cranium, fossa mandibularis dex. phal. 1 prox. fr. vertebra, proc. art.	Phocidae sp. " " " " " Mammalia sp. (Phocidae)
20	mt II dex. prox. fr. phal. 2 dist. fr. 2 x phal. fr. humerus sin. dist. fr.	Phocidae sp. " " Castor fiber
24	ulna dex., olecranon astragalus dex. fr. vertebra, proc. art.	Phocidae sp. " Mammalia sp.
34	mesocuneiforme dex. astragalus dex. phal. dist. fr.	Phocidae sp. " Mammalia sp.
40	os sesamoideus	Mammalia sp.
43	mt V dex. prox. fr.	Phocidae sp.
49	humerus sin. dist. epiph. fr. cranium, meatus auditorius externus dex	Phocidae sp. "
53	humerus dex. dist. fr.	Phocidae sp.

55	radius sin. diaph. fr. cranium, os petrosum fr. vertebra	Phocidae sp. Mammalia sp. Teleostei sp.
74	radius sin. diaph. fr. mt I sin. prox. fr. phal. 2 prox. fr.	Phocidae sp. " "
81	humerus sin. diaph. fr. mt IV dex. dist. fr. cranium, temporalis sin. fr.	Phocidae sp. " "
97	radius sin. dist. epiph. fr. femur sin., trochanter major fr. mt IV sin. prox. fr. mc dist. fr. phal. dist. fr. phal. 2 prox. fr.	Phocidae sp. " " " " "
101	humerus dex. dist. fr. naviculare sin. mt IV dex. prox. fr. mt I dex. prox. fr. phal. 2 prox. fr. corpus vertebrae fr.	Phocidae sp. " " " " Mammalia sp.
105	radius dex. prox. fr. mt IV dex. prox. fr.	Phocidae sp. Castor fiber
112	phal. 2     Castor fiber	
121	humerus sin., caput humeri	Phocidae sp.
134	cranium, temporalis sin. fr.	Phocidae sp.
147	astragalus dex. fr.	Phocidae sp.
158	ulna sin., incisura semilunaris humerus, caput humeri fr. mc V sin. os sesamoideus	Phocidae sp. " " Castor fiber
162	cranium, meatur auditorius externus dex. cranium, os petrosum fr. mt IV dex. prox. fr.	Phocidae sp. Phocidae sp. ? Castor fiber
171	vertebra caudalis	Mammalia sp.

175	femur dex. dist. fr. phal. 3 prox. fr. phal.	Phocidae sp. " Mammalia sp. (Phocidae)
179	ulna sin., incisura semilunaris	Phocidae sp.
183	phal. prox. fr. phal. diaph. fr. humerus dist. fr. radius sin. prox. diaph. fr. mt I dex. phal. dist. fr.	Phocidae sp. " Castor fiber " " Mammalia sp. (Phocidae)
187	mandibula sin., proc. coronoideus	Phocidae sp.
203	humerus sin., tuberculum minus tibia sin. prox. fr. mt I dex. prox. fr. mt I dex. dist. fr. phal. 2	Phocidae sp. " " " "
208	ulna sin. dist. epiph. humerus dex., tuberculum majus entocuneiforme sin. entocuneiforme dex. mt II dex. dist. fr.	Phocidae sp. " " " "
220	vertebra, proc. art. costa, prox. fr.	Mammalia sp. "
215	mc IV dex. mc II sin. prox. fr.	Phocidae sp. "
224	mandibula dex., capitulum mandibulae	Phocidae sp.
248	tibia dex. dist. fr. phal. 2 phal. dist. fr. corpus vertebrae fr.	Phocidae sp. " " Mammalia sp.
251	mt V sin. prox. fr.	Phocidae sp.
255	phal. dist. fr.	Mammalia sp.
260	scapula sin., cavitas glenoidalis	Phocidae sp.
269	mt IV dex. prox. fr.	Phocidae sp.

273	humerus sin. dist. fr. mt I sin. dist. fr. mt I dex. dist. fr. ulna dex., incisura semilunaris corpus vertebrae fr. 2 x vertebra	Phocidae sp. " " Castor fiber Mammalia sp. Teleostei sp.
277	radius sin. prox. fr. astragalus fr. mc I dex. prox. epiph. mt I sin. dist. fr. 2 x phal. dist. fr. phal. prox. fr. phal. 3 prox. fr. cranium, temporalis fr. 5 x vertebra fr. vertebra	Phocidae sp. " " " " " " " Mammalia sp. Teleostei sp.
283	radius dex. prox. diaph. fr. ulna sin., incisura semilunaris cranium, meatus auditorius externus phal. 3 fr. phal. 2 prox. epiph. fibula prox. epiph. mt III dex. prox. fr. 3 x vertebra fr. mc/mt dist. fr. phal. dist. fr.	Phocidae sp. " " " " Castor fiber " Mammalia sp. " "
287	vertebra	Teleostei sp.
290	cuboideum sin.	Phocidae sp.
296	radius sin. prox. fr.	Phocidae sp.
300	femur sin. dist. fr. mt V sin. prox. fr. 2 x phal. prox. fr. phal. dist. fr. radius dex. dist. epiph. fr. tibia sin. dist. epiph. fr. cranium, fossa mandibularis maxillare sin. fr.	Phocidae sp. " " " " " " "
306	radius sin. dist. fr. ulna sin., incisura semilunaris humerus sin., tuberculum majus mt IV sin. prox. fr. scapula fr.	Phocidae sp. " " " Mammalia sp.

309	humerus dex., tuberculum majus mt (III) dist. fr. atlas fr.	Phocidae sp. " "
312	humerus sin., tuberculum minus humerus dex. fr. femur, caput femoris femur sin. dist. fr. astragalus dex. fr. mt I dex. prox. fr. mc II sin. prox. fr. 2 x phal. prox. fr.	Phocidae sp. " " " " " "
317	humerus dex. dist. fr. pelvis, acetabulum fr. phal. 1 prox. epiph. fr.	Phocidae sp. " "
328	ulna dex., icisura semilunaris	Castor fiber
336	humerus dex. dist. fr. phal. 1 prox. fr. phal. dist. fr.	Phocidae sp. Mammalia sp. "
341	ulna dex., olecranon tibia dex. dist. fr. astragalus dex. fr. phal. prox. fr.	Phocidae sp. " " "
348	cranium, meatus auditorius externus femur, caput femoris	Phocidae sp. Mammalia sp. (C.fiber)
357	mt V sin. prox. fr.	Castor fiber
361	calcaneum sin. fr. cranium, fossa mandibularis sin. phal. 1 prox. fr.	Phocidae sp. " "
364	cuneiforme sin. fr. vertebra, proc. art.	Phocidae sp. Mammalia sp.
378	astragalus dex. fr.	Phocidae sp.
382	fibula sin. dist. epiph. fr. calcaneum sin. fr. phal. dist. fr.	Phocidae sp. " "
389	mt II dex. prox. fr.	Phocidae sp.

394	humerus dex., tuberculum minus fr. naviculare sin. fr.	Phocidae sp. "
399	ulna sin., incisura semilunaris 2 x phal. prox. fr. phal. dist. fr. costa prox. fr.	Phocidae sp. " " Mammalia sp. (Phocidae)
404	phal. prox. fr.	Mammalia ap. (Phocidae)
411	radius dex. prox. fr. ulna sin., incisura semilunaris humerus dex. dist. fr. 2 x femur sin. dist. fr. ulna dex., incisura semilunaris mc III sin. prox. fr. cranium, condylus occipitalis sin. cranium, bulla tympani fr. phal. 3 phal. ulna sin., olecranon humerus sin. dist. fr. phal. 3 costa prox. fr. maxillare/mandibula fr. vertebra fr. phal. dist. fr.	Phocidae sp. " " " " (juv.) " " " " " Castor fiber " " " Mammalia sp. (Phocidae) " "
414	radius sin. dist. fr. radius sin. prox. fr. ulna sin., olecranon ulna sin., incisura semilunaris mt II sin. prox. fr. mt II dex. prox. fr. mc V sin. prox. fr. phal. 2 phal. prox. fr. mt I sin. prox. fr. mt V sin. prox. fr.	" " " " " " " " " " Castor fiber "
418	ulna sin., incisura semilunaris fibula sin. prox. epiph. fr. mt I dex. dist. fr. mt I dex. dist. fr. mt II sin. prox. fr. mc IV dex. prox. fr. phal. dist. fr.	Phocidae sp. " " " Castor fiber " Mammalia sp. (Phocidae)

434	cuboideum sin. naviculare dex. fr. cranium, temporalis dex. fr. costa prox. fr.	Phocidae sp. " " "
440	humerus sin. dist. fr. tibia sin. prox. fr. mt II sin. prox. fr. mt I dex. dist. fr. cranium, bulla tympani fr. phal. 2 prox. fr.	Phocidae sp. " " " " "
442	radius sin. prox. fr. radius diaph. fr. calcaneum sin. fr. maxillare/mandibula fr. phal. 3	Phocidae sp. " " " "
446	koristeltu fragmentti?	
460	radius dex. prox. fr. radius dex. diaph. fr. phal. 1 prox. fr. ulna sin., incisura semilunaris corpus vertebrae fr.	Phocidae sp. " " Castor fiber Mammalia sp.
467	humerus sin. dist. fr. radius sin. prox. fr. magnum dex. pelvis, acetabulum fr. mt II dex. prox. fr. mt V dex. prox. fr. mt I dex. dist. fr. atlas fr.	Phocidae sp. " " " " " " Castor fiber
471	phal. 3 mt V sin. prox. fr. vertebra caudalis	Phocidae sp. Castor fiber Mammalia sp. (Phocidae)
475	ulna sin., olecranon scapula sin., cavitas glenoidalis phal. 1 prox. fr.	Phocidae sp. " "
479	ulna sin., incisura semilunaris mc I dex. dist. fr.	Phocidae sp. "
490	phal. 1 prox. fr. costa fr.	Mammalia sp. " (pieni)



514	humerus sin., tuberculum majus mc II dex. prox. fr.	Phocidae sp. "
524	humerus dex., tuberculum majus humerus sin. dist. fr. ulna sin., incisura semilunaris cranium, meatus auditorius externus calcaneum sin. mt II dex. prox. fr. phal. 1 phal. 1 prox. fr. phal. dist. fr. phal. 3 prox. fr. mt V sin. prox. fr. maxillare/mandibula fr. corpus vertebrae fr. costa prox. fr.	Phocidae sp. " " " H " " " " " " Castor fiber Mammalia sp. (Phocidae) " "
533	tibia dex. dist. fr.	Phocidae sp.
541	astragalus dex. fr.	Phocidae sp.
547	ulna sin., incisura semilunaris 3 x phal. prox. fr. mc/mt dist. epiph.	Phocidae sp. " Mammalia sp.
551	phal. 3 prox. fr. phal. 2 prox. epiph. vertebra, proc. art.	Phocidae sp. Mammalia sp. (Phocidae) "
554	radius dex. prox. fr. vertebra caudalis	Phocidae sp. Mammalia sp.
570	humerus dex. dist. fr.	Phocidae sp.
576	calcaneum sin,	Phocidae sp.
588	radius sin. dist. epiph. fr. phal. prox. fr.	Phocidae sp. "
592	fibula sin. dist. epiph. fr. mt I sin. dist. fr. mc/mt dist. fr.	Phocidae sp. " "
595	phal. 1 prox. fr. phal. dist. fr.	Phocidae sp. Mammalia sp.
603	phal. 3 prox. fr.	Phocidae sp.

612	fibula dex. dist. epiph. fr. phal. dist. fr.	Phocidae sp. "
617	mt I sin. dist. fr.	Phocidae sp.
620	mt I prox. epiph. fr. mandibula dex., capitulum mandibulae	Phocidae sp. Castor fiber
623	phal. dist. fr. 2 x vertebra	Mammalia sp. Teleostei sp.
627	phal. prox. fr.	Phocidae sp.
634	tibia-fibula sin. prox. epiph. fr. mc IV dex. prox. fr.	Phocidae sp. "
660	femur dex. diaph. fr. phal. 3 maxillare/mandibula fr.	Phocidae sp. " Mammalia sp. (Phocidae)
671	humerus sin., caput humeri fr. calcaneum sin. fr. cranium, bulla tympani fr. phal. dist. fr.	Phocidae sp. " " "
674	fibula dex. dist. epiph.	Phocidae sp.
678	mesocuneiforme dex.	Phocidae sp.
692	tibia-fibula dex. prox. fr. atlas fr. phal. dist. fr.	Phocidae sp. " "
696	femur sin. dist. fr.	Phocidae sp.
712	ulna dex., incisura semilunaris calcaneum sin. fr. mt I sin. prox. fr. phal. prox. fr. maxillare/mandibula fr.	Phocidae sp. " " " Mammalia sp. (Phocidae)
720	cospus vertebrae fr.	Phocidae sp.
725	phal. 3 fr.	Phocidae sp.
734	femur dist. fr. radius diaph. fr. mt V dex. prox. fr. 2 x vertebra, proc. art.	Phocidae sp. " Castor fiber Mammalia sp.

738	phal. carpi 3 dist. fr. ????	Homo sapiens ????
	entocuneiforme dex.	Phocidae sp.
	mt IV sin. prox. fr.	"
	phal. 3 prox. fr.	"
	phal. dist. fr.	"
	fibula dex. dist. epiph.	Castor fiber
	ulna sin., incisura semilunaris	"
	radius sin. prox. fr.	"
	phal. 3 prox. fr.	Mammalia sp.
	phal. 1 prox. fr.	"
	vertebra caudalis	"
743	calcaneum dex. fr.	Castor fiber
746	mandibula sin. fr.	Phocidae sp.
755	radius prox. epiph. fr.	Phocidae sp.
	astragalus dex. fr.	"
	mt dist. epiph. fr.	"
	2 x cranium, temporalis fr.	"
	ulna sin., incisura semilunaris	Castor fiber
761	humerus dex., tuberculum majus	Phocidae sp.
	cuneiforme dex.	"
	mc III sin. prox. fr.	"
	mt III sin. prox. fr.	"
	cranium, temporalis dex. fr.	"
	2 x cranium, capitulum mandibulae dex.	"
	2 x phal. 1 prox. fr.	Mammalia sp. (Phocidae)
	phal. prox. epiph. fr.	"
	phal. dist. fr.	"
	3 x vertebra, proc. art.	"
	costa prox. fr.	"
	4 x vertebra	Teleostei sp.
774	humerus sin., tuberculum minus	Phocidae sp.
	mt I dex. prox. fr.	"
	mt I dex. dist. fr.	"
	mt II dex. diaph. fr.	"
	vertebra fr.	Mammalia sp.
778	calcaneum dex. fr.	Phocidae sp.
	2 x vertebra	Teleostei sp.
782	phal. prox. fr.	Phocidae sp.

800	humerus dex. prox. fr.	Phocidae sp.
	humerus dex. dist. fr.	"
	tibia dex. dist. epiph. fr.	"
	mandibula sin., capitulum mandibulae	"
	phal. 3 prox. fr.	"
	vertebra	Teleostei sp.
821	humerus dex. diaph. fr.	Phocidae sp.
827	cranium, bulla tympani fr.	Phocidae sp.
	phal. 1	"
873	fibula dex. dist. epiph.	Castor fiber
901	fibula dex. dist. epiph.	Phocidae sp.
904	temporalis dex. fr.	Phocidae sp.
	mt I sin. dist. fr.	Castor fiber
909	mt I sin. dist. fr.	Phocidae sp.
914	humerus sin. dist. fr.	Phocidae sp.
	femur dex. dist. fr.	"
	scapula, cavitas glenoidalis fr.	"
	naviculare dex.	"
	trapezium sin.	"
	ulna dex., incisura semilunaris	Castor fiber
	mt III sin. dist. fr.	"
	2 x phal.	"
	vertebra, proc. art.	Mammalia sp.
918	ulna dex., incisura semilunaris	Phocidae sp.
	femur sin. dist. epiph. fr.	"
	2 x astragalus sin. fr.	"
	mc III sin. prox. fr.	"
	mt IV dex. prox. fr.	"
	femur dex., trochanter major	Castor fiber
	ectocuneiforme sin.	"
	corpus vertebrae fr.	Mammalia sp. (C.fiber)
	costa, prox. fr.	"
	phal. dist. fr.	"
	vertebra fr.	" (Phocidae)
	vertebra	Teleostei sp.

936	cuneiforme dex. fr. mt I sin. dist. fr. mt III sin. dist. fr. mc/mt dist. fr. cranium, meatus auditorius externus vertebra, proc. art.	Phocidae sp. " " " " Mammalia sp.
942	radius sin. prox. fr.	Phocidae sp.
945	ulna sin., incisura semilunaris	Phocidae sp.
965	mt I dex. prox. fr.	Phocidae sp.
969	humerus sin. prox. fr.	Phocidae sp.
975	humerus sin. dist. fr.	Phocidae sp.
999	scapula dex., cavitas glenoidalis	Castor fiber
1942	humerus dex. dist. fr. vertebra	Phocidae sp. Teleostei sp.
1063	femur dex. dist. fr. humerus sin. dist. fr.	Phocidae sp. "
1124	ulna sin. dist. epiph. femur, caput femoris	Phocidae sp. Mammalia sp.
1149	mt I dex. prox. fr. naviculare sin. fr.	Phocidae sp. Castor fiber
1229	mt III sin. prox. fr. mt I dex. dist. fr. phal prox. fr.	Phocidae sp. " "
1240	mt IV sin. prox. fr.	Phocidae sp.
1247	phal prox. fr. phal. prox. fr.	Phocidae sp. Castor fiber