

Universal Multiple-Octet Coded Character Set  
 International Organization for Standardization  
 Organisation Internationale de Normalisation  
 Международная организация по стандартизации

**Doc Type: Working Group Document****Title: Preliminary proposal to encode Anatolian Hieroglyphs in the SMP of the UCS****Source: UC Berkeley Script Encoding Initiative (Universal Scripts Project)****Author: Michael Everson****Status: Liaison Contribution****Action: For consideration by JTC1/SC2/WG2 and UTC****Date: 2006-09-20**

**1. Introduction.** Anatolian Hieroglyphs were first thought to have been used for the Hittite language, because they first appeared on personal seals from Hattusha, the capital of the Hittite Empire. While Hittites did make use of the characters on seals, the characters were used as text primarily for the related language Luwian; a few glosses in Uartian and some divine names in Hurrian are known to be written in Anatolian Hieroglyphs. Most of the texts are monumental stone inscriptions, though some letters and accounting documents have been preserved inscribed on strips of lead.


















**Figure 1.** Anatolia, showing where the Luwian, Hittite, Urtian, and Hurrian languages were spoken.

**2. Structure.** Anatolian Hieroglyphs have both syllabic and logographic components. Words may be represented entirely with logographs (in particular at the earlier period), or with phonetic complements along with the logogram in a variety of configurations. For the word *wawīs* ‘cow’ for instance, the following spellings occur:

			
BOS	<i>wal-i-wal-i-sa</i>	BOS- <i>wal-i-sa</i>	(BOS) <i>wal-i-wal-i-sa</i>





Characters may be written left-to-right or right-to-left, and longer texts are often boustrophedon; as with Egyptian, one reads a line into the faces of the people and animals. Lines are divided from one another by horizontal rules. Within a line, characters are written in vertical columns, though for aesthetic reasons they may be placed out of phonetic or logical order. For modern lexicographical use it is anticipated that straightforward linear left-to-right placement of characters will find the most favour for its practicality.

**3. Punctuation and spacing.** In some texts, word division is indicated with the use of U+12622  ANATOLIAN HIEROGLYPH J386 MAN2 or its variant U+12623  ANATOLIAN HIEROGLYPH J386A MAN2A. To mark logograms, the characters U+1263B  ANATOLIAN HIEROGLYPH J410 BEGIN LOGOGRAM MARK and U+1263C  ANATOLIAN HIEROGLYPH J410A END LOGOGRAM MARK are optionally used, flanking the logogram as in  ‘wood’; see Figure 2. The characters U+12664  ANATOLIAN HIEROGLYPH K450 A and U+12564  ANATOLIAN HIEROGLYPH D209 I are sometimes used to indicate the end of a word. Often when hieroglyphs are written, the practice is to try to reproduce the layout of the original text, rather than to write text out in modern sentences. However, in such cases, U+200B ZERO-WIDTH SPACE and/or U+0020 SPACE may be used as needed. One combining character is used, namely, U+1261F  ANATOLIAN HIEROGLYPH J383 COMBINING RA OR RI which can attach fairly productively to Anatolian characters.

**4. Repertoire.** Through the course of the history of the decipherment of Anatolian Hieroglyphs, a standardized catalogue of letters has been drawn up; the “Laroche set” of numbers 1-497 from Laroche 1960 form the basis for the repertoire, supplemented by additions 501-524 from Hawkins and Çambel 2000. The encoding proposed here is based on this standardized catalogue, despite the fact that several of the characters are now considered to be variants of each other.  183 is now known to be a variant of  423 which has a reading *ku*;  352,  353,  354, and  519 are all variants of  345 PITCHER. Although this might *seem* to be “character duplication”, really it is not. The encoding of these characters will enable not only the representation of text in the Luwian language, but also the representation of the long history of Anatolian studies, where the catalogue entities have been distinguished in discussions of the decipherment. Scholars wishing to publish normalized texts might avoid the use of the “redundant” letters, or might choose to use them as indicative of the temporal or geographical provenance of a text. But documents relating to the decipherment itself distinguish them regularly, and that distinction must be maintained. The names list contains cross references from variants to the main character in each instance. This is considered vital information by specialists.

**5. Character names.** The character names for Anatolian hieroglyphs are somewhat complex. A single coherent set of character names does not exist, but it has been possible to devise one in working out this proposal.

**5.1 The name of the script.** As suggested in the introduction above, the names “Anatolian Hieroglyphs”, “Luwian Hieroglyphs”, and “Luvian Hieroglyphs” might be applied to this script; the name “Hittite Hieroglyphs” is a misnomer, and “Hieroglyphic Luwian” refers to a variety of the Luwian language (as opposed to “Cuneiform Luwian”). Since the script is used for languages other than Luwian, and since that language may be spelled “Luwian” or “Luvian”, specialists have suggested that the name “Anatolian Hieroglyphs” is the best choice.

**5.2 The use of catalogue numbers.** Catalogue numbers were assigned by Meriggi and Güterbock but these were superseded by the numbers 1 to 497 which Laroche assigned and published in 1960 in *Les hiéroglyphs hittites*. The Laroche numbers have been taken as standard by subsequent researchers; Hawkins and Çambel 2000 augment this list with their numbers 501 to 524. In a number of instances, Laroche lists variants within a given catalogue number, thus: Laroche  457 (1) is distinguished from Laroche  457 (2). The naming convention followed here for this is similar to that used by Egyptologists for Egyptian characters: the first is Laroche 457, the second Laroche 457A. (Not all of the variants listed in Laroche 1960 are distinguished in this way; Laroche  460 (1) and  460 (2) are simply glyph variants and only a single 460 is proposed for encoding.)

**5.3 The use of prefixes with the catalogue numbers.** As with the Linear B catalogue numbers, the Laroche entities are typically given simply as numbers. UCS naming conventions, however, require that

name elements begin with a letter, not a digit. In the case of Linear B, the letter B was prefixed to each of the catalogue names. For Anatolian Hieroglyphs, it would be possible to prefix A or L to each of the catalogue names. But it would be far more useful to use a range of letters to correspond to the classification Anatolianists make of the characters. Alan Gardiner broke the different Egyptian Hieroglyphs into 26 categories, which he labelled with different letters of the alphabet (A, B, C ... Y, Z, AA, omitting J). Similarly, Laroche broke the different Anatolian Hieroglyphs into 10 categories which he labelled with Roman numerals. The naming convention here assigns letters to the Roman numerals:

I.	Corps humain, vêtements	→	Axxx	“The human body and clothing”
II.	Animaux	→	Bxxx	“Animals”
III.	Végétaux	→	Cxxx	“Plants”
IV.	La nature	→	Dxxx	“Nature”
V.	Bâtiments	→	Exxx	“Buildings”
VI.	Armes, outils, meubles, instruments divers	→	Fxxx	“Arms, tools, furniture, and other instruments”
VII.	Vases, récipients	→	Gxxx	“Vases and receptacles”
VIII.	Symboles	→	Hxxx	“Symbols”
IX.	Traits, numéraux, formes géométriques	→	Jxxx	“Lines, numbers, and geometric shapes”
X.	Varia	→	Kxxx	“Varia”
	Hawkins’ “Additional Signs”	→	Mxxx	“Additional Signs”.





Since no letters were traditionally assigned to these categories, the letters I and L were not used because they may be ambiguous depending on typeface and case. (As noted above, Gardiner eschewed the letter J when he assigned letters to the Egyptian classes, probably because the letter did not exist in Latin.) Because some of the characters were originally placed into classifications to which they don’t belong, it is possible now to use the lettering convention to make the relation of main sign and variant sign clearer; so 𐀀 519 mentioned above is named G519 because it belongs in “Vases and receptacles” along with the other pitchers, not M519 though most of the characters in 501-524 are M. Because the catalogue numbers are serial, users will also be able to determine the original group.

**5.4 The use of names alongside the catalogue numbers.** Like some of the Linear B characters, a number of Anatolian characters have either phonetic readings or determinative names which are given alongside the catalogue numbers as part of the character name. The determinative names are now often given in Latin, but were formerly given in French, English, or other languages. As with Linear B, English names are preferred here in the character names to aid translators of the standard (which is why Latin names were not retained in the Linear B character names). There are other reasons for not keeping the character names in Latin:

- characters often have more than one Latin name: A046 PRINCE is both *rex.infans* and *rex.filius*
- the Latin names are often quite ungrammatical: A046B GREAT DAUGHTER is *magnus.filia*
- the Latin names use punctuation like full stops and plus signs, not permitted in UCS names.

**5.5 The use of explanatory notes in the names list.** Although the traditional Latin names are rendered in English in the character names, the Latin names are known to scholars, and in particular those names with full stops and plus signs where those punctuation marks are significant for identification. The full stop indicates a group in which the elements are separate (as in 𐀀 *bos.mi*) and the plus sign indicates that the elements form a graphic unit (as in 𐀀 *bos+mi*). Accordingly, informative notes in the names list present the Latin originals. In addition, characters may have one or more phonetic readings, so the readings are also presented in the notes. Finally, a full set of cross references are given, so that users of the standard can know which characters are variants.

**5.6 Issues with Latin names and phonetic readings in the names list.** Drafts of this preliminary proposal have received criticism regarding the annotations. It is true that there are many of them. It is also true that Linear B does not contain annotations including Latin names or phonetic readings. While Anatolian Hieroglyphs is a more complex script than Linear B, it may be appropriate not to include them in the names list.

**5.6 Issues with cross-references in the names list.** The cross references have also been criticized, but these, however, call for different treatment. The present list contains two kinds of cross references. First there is the true cross reference of variant to main character, such as U+12483  ANATOLIAN HIEROGLYPH D004 MOUNTAIN2 > U+12561  ANATOLIAN HIEROGLYPH D207 MOUNTAIN. This kind of annotation provides vital information to the user of the names list, guidance as to the proper character to be used for a normalized text. The other kind of cross reference is simply informative, such as U+124B8  ANATOLIAN HIEROGLYPH A052 HAND KNIFE > U+125EE  ANATOLIAN HIEROGLYPH G338 KNIFE, where the reference guides the user to the character forming a part of this compound. It could be helpful to users if both kinds of cross references appear in the names list, but the former kind is more essential information than the latter.

**6. Numbers.** Further research needs to be done to ensure that a sufficient quantity of Anatolian numbers are encoded to be practical in use. At present numbers for 1, 2, 3, 4, 5, 8, 9, 10, 100, and 1000.

**7. Text processing.** For non-linear display of Anatolian Hieroglyphs, the conventions of the Egyptological *Manual de codage* should be sufficient, and indeed it appears that software which can support Egyptian Hieroglyph rendering can also support Anatolian.

**8. Future expansion.** The majority of the attested Anatolian Hieroglyphic characters are proposed in this document. It is certainly possible that new characters will come to light, and can be added in due course. Thirty-five unassigned code positions are allocated at the end of the block against such additions.

### Unicode Character Properties

```
12480;ANATOLIAN HIEROGLYPH A001 MYSELF;Lo;0;L;;;;N;;;;;
12481;ANATOLIAN HIEROGLYPH A002 MYSELF2;Lo;0;L;;;;N;;;;;
12482;ANATOLIAN HIEROGLYPH A003;Lo;0;L;;;;N;;;;;
...
1261F;ANATOLIAN HIEROGLYPH J383 COMBINING RA OR RI;Mc;0;L;;;;N;;;;;
...
126AA;ANATOLIAN HIEROGLYPH M522;Lo;0;L;;;;N;;;;;
126AB;ANATOLIAN HIEROGLYPH M523;Lo;0;L;;;;N;;;;;
126AC;ANATOLIAN HIEROGLYPH A524 PROPHET;Lo;0;L;;;;N;;;;;
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### Bibliography






















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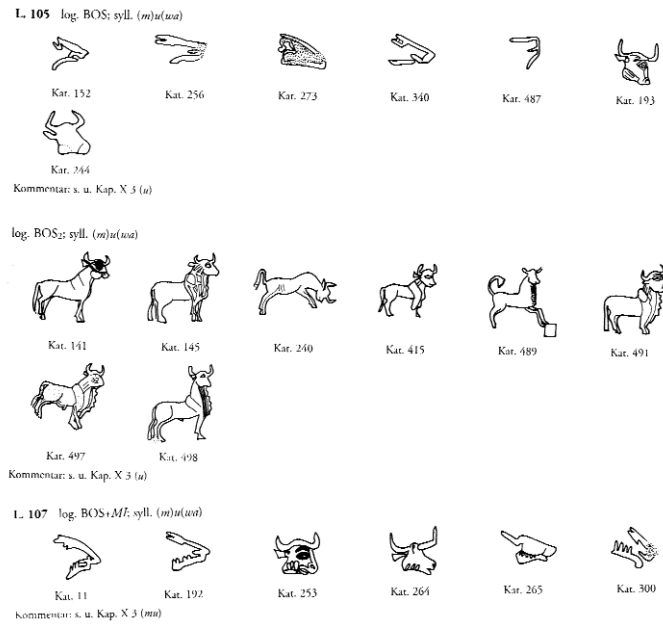
### **Acknowledgements**

This project was made possible in part by a grant from the U.S. National Endowment for the Humanities, which funded the Universal Scripts Project (part of the Script Encoding Initiative at UC Berkeley).



*102	<u>CERVUS</u> / a) CERVUS, b) CERVUS <sub>2</sub> ; <i>rú</i>	a)  b) 
*103	<u>CERVUS<sub>2</sub></u> / CERVUS <sub>3</sub> ; <i>rú</i>	
*104	<u>GAZELLA</u> / a) CAPRA, b) CAPRA <sub>2</sub> , c) CAPRA <sub>2A</sub> ; <i>sà</i>	a)  ,  b)  c) 
*105	<u>BOS</u> / a) BOS b) BOS <sub>2</sub> ; <i>u</i>	a)  ,  b) 
*106	--	
*107 (*167)	a) BOS+MI, b) BOS.MI, c) BOS <sub>2</sub> .MI; <i>mu</i>	a)  ,  b)  c) 
*108	CORNU; <i>sú</i>	
*109	VITELLUS ( <i>MA<sub>x</sub></i> in <i>MA<sub>x</sub>-LL<sub>x</sub>-zi</i> , 'Malatya')	
*110	<i>ma</i>	 , 
*111 (*518?)	a) OVIS, b) OVIS <sub>2</sub> (= *518?)	a)  b) 

**Figure 3.** Sample of a sign list from Payne 2004, showing the complex suite of identifiers commonly used by Anatolianists to transliterate and transcribe Anatolian Hieroglyphs.



**Figure 4.** Sample from the sign list from Herbordt 2005, showing the readings “BOS”, “(m)u(wa)”, and “u” for B105 ox; “BOS<sub>2</sub>”, “(m)u(wa)”, and “u” for B105A ox2, and “BOS+MI”, “(m)u(wa)”, and “mu” for B107 ox plus mi.

**mu (L. 107)**

**Occurrences. BOS:** Kat. 18 (*Anani-*), 143 (*i(a) ... ni*), 146 (*i(a) ... ni*), 147 (*[i(a)] ... ni*), 148 (*i(a) ... [ni/ní]*), 149 (*i(a) ... ní*), 193 (*EXERCITUS-*), 244 (*Mizri-*), 245 (*Mizri-*), 247 (*Mizri-*), 255 (*-wa/i-á*), 267 (*-ti*), 268 (*-ti*), 269 (*-ti*), 270 (*-ti*), 275 (*-zi/a-runtiya*), 276 (*-zi/a-runtiya*), 301 (*Piba-*), 342 (*Pu-*), 365 (*Šauška-*), 366 (*Šauška-*), 367 (*Šauška-*), 369 (*Šauška-*), 370 (*Šauška-*), 371 (*Šauška-*), 416 (*TONITRUS-*), 417 (*TONITRUS-*), 460 (*SOL-*), 499(?).

**BOS+MI:** Kat. 253 (*-tá-ziti*), 264 (*-ti*), 265 (*-ti*).

**BOS.MI:** Kat. 254 (*-tá-ziti*), 299 (*Piba-*).

**BOS<sub>2</sub>:** Kat. 141 (*Ini-*), 142 (*Ini-*), 144 (*i(a) ... ni*), 145 (*i(a) ... ní*), 234 (*Masa-*), 240 (*Mira-*), 259 (alone), 275 (*-zi/a-runtiya*), 276 (*-zi/a-runtiya*), 303 (*Pihasa-*), 415 (*TONITRUS-*), 417 (*TONITRUS-*), 523 (*zi/a ... la*).

**BOS<sub>2</sub>+MI:** –

**BOS<sub>2</sub>.MI:** Kat. 243 (*Mizri-*), 246 (*Mizri-*), 248 (*Mizri-*), 249(?), 274(?).

*mi* internal (+MI) or external (.MI); also, since *mu* properly consists of *u* + *mi*, if *mi* is omitted, as frequently, *mu* becomes indistinguishable from *u* (i.e. some of the forms BOS/BOS<sub>2</sub>, cursive).

**Reading.** Long recognized, though the variants caused problems, confirmed by digraphs, Ras Shamra Hier. *mu* (cursive + MI) = Cun. *-mu-wa* (*Šauška-muwa*); Meskene (*Mudri-Tešub*); Nišantepe Kat. 248 = SBo II no. 81, cf. 80 (*Mizri-muwa*).

**Usage.** Syllabographic *mu* straightforward (e.g. Kat. 11), but *mu* final usually represents *mu(wa)* (Kat. 18, 27–28, 141–143 and 145–149, 192–193, 204, 234, 240, 242–249, 299–302, 303, 365–372, 415–417, 454–455, 460); initial *mu* is also often *mu(wa)* (Kat. 260–271, 272–273). Note the writing *mu-wa/i-á* for *Muwa* (Kat. 255–259). Uncertain: *la-mu* (Kat. 201–202); *pu-(m)u* (Kat. 339–342); *tu-mu* (Kat. 466).

**Figure 5.** Discussion of the reading of “mu” from Herbordt 2005.



	1248	1249	124A	124B	124C	124D	124E	124F	1250	1251	1252	1253	1254
0	12480	12490	124A0	124B0	124C0	124D0	124E0	124F0	12500	12510	12520	12530	12540
1	12481	12491	124A1	124B1	124C1	124D1	124E1	124F1	12501	12511	12521	12531	12541
2	12482	12492	124A2	124B2	124C2	124D2	124E2	124F2	12502	12512	12522	12532	12542
3	12483	12493	124A3	124B3	124C3	124D3	124E3	124F3	12503	12513	12523	12533	12543
4	12484	12494	124A4	124B4	124C4	124D4	124E4	124F4	12504	12514	12524	12534	12544
5	12485	12495	124A5	124B5	124C5	124D5	124E5	124F5	12505	12515	12525	12535	12545
6	12486	12496	124A6	124B6	124C6	124D6	124E6	124F6	12506	12516	12526	12536	12546
7	12487	12497	124A7	124B7	124C7	124D7	124E7	124F7	12507	12517	12527	12537	12547
8	12488	12498	124A8	124B8	124C8	124D8	124E8	124F8	12508	12518	12528	12538	12548
9	12489	12499	124A9	124B9	124C9	124D9	124E9	124F9	12509	12519	12529	12539	12549
A	1248A	1249A	124AA	124BA	124CA	124DA	124EA	124FA	1250A	1251A	1252A	1253A	1254A
B	1248B	1249B	124AB	124BB	124CB	124DB	124EB	124FB	1250B	1251B	1252B	1253B	1254B
C	1248C	1249C	124AC	124BC	124CC	124DC	124EC	124FC	1250C	1251C	1252C	1253C	1254C
D	1248D	1249D	124AD	124BD	124CD	124DD	124ED	124FD	1250D	1251D	1252D	1253D	1254D
E	1248E	1249E	124AE	124BE	124CE	124DE	124EE	124FE	1250E	1251E	1252E	1253E	1254E
F	1248F	1249F	124AF	124BF	124CF	124DF	124EF	124FF	1250F	1251F	1252F	1253F	1254F

	1255	1256	1257	1258	1259	125A	125B	125C	125D	125E	125F	1260
0	12550	12560	12570	12580	12590	125A0	125B0	125C0	125D0	125E0	125F0	12600
1	12551	12561	12571	12581	12591	125A1	125B1	125C1	125D1	125E1	125F1	12601
2	12552	12562	12572	12582	12592	125A2	125B2	125C2	125D2	125E2	125F2	12602
3	12553	12563	12573	12583	12593	125A3	125B3	125C3	125D3	125E3	125F3	12603
4	12554	12564	12574	12584	12594	125A4	125B4	125C4	125D4	125E4	125F4	12604
5	12555	12565	12575	12585	12595	125A5	125B5	125C5	125D5	125E5	125F5	12605
6	12556	12566	12576	12586	12596	125A6	125B6	125C6	125D6	125E6	125F6	12606
7	12557	12567	12577	12587	12597	125A7	125B7	125C7	125D7	125E7	125F7	12607
8	12558	12568	12578	12588	12598	125A8	125B8	125C8	125D8	125E8	125F8	12608
9	12559	12569	12579	12589	12599	125A9	125B9	125C9	125D9	125E9	125F9	12609
A	1255A	1256A	1257A	1258A	1259A	125AA	125BA	125CA	125DA	125EA	125FA	1260A
B	1255B	1256B	1257B	1258B	1259B	125AB	125BB	125CB	125DB	125EB	125FB	1260B
C	1255C	1256C	1257C	1258C	1259C	125AC	125BC	125CC	125DC	125EC	125FC	1260C
D	1255D	1256D	1257D	1258D	1259D	125AD	125BD	125CD	125DD	125ED	125FD	1260D
E	1255E	1256E	1257E	1258E	1259E	125AE	125BE	125CE	125DE	125EE	125FE	1260E
F	1255F	1256F	1257F	1258F	1259F	125AF	125BF	125CF	125DF	125EF	125FF	1260F

	1261	1262	1263	1264	1265	1266	1267	1268	1269	126A	126B	126C
0	12610	12620	12630	12640	12650	12660	12670	12680	12690	126A0		
1	12611	12621	12631	12641	12651	12661	12671	12681	12691	126A1		
2	12612	12622	12632	12642	12652	12662	12672	12682	12692	126A2		
3	12613	12623	12633	12643	12653	12663	12673	12683	12693	126A3		
4	12614	12624	12634	12644	12654	12664	12674	12684	12694	126A4		
5	12615	12625	12635	12645	12655	12665	12675	12685	12695	126A5		
6	12616	12626	12636	12646	12656	12666	12676	12686	12696	126A6		
7	12617	12627	12637	12647	12657	12667	12677	12687	12697	126A7		
8	12618	12628	12638	12648	12658	12668	12678	12688	12698	126A8		
9	12619	12629	12639	12649	12659	12669	12679	12689	12699	126A9		
A	1261A	1262A	1263A	1264A	1265A	1266A	1267A	1268A	1269A	126AA		
B	1261B	1262B	1263B	1264B	1265B	1266B	1267B	1268B	1269B	126AB		
C	1261C	1262C	1263C	1264C	1265C	1266C	1267C	1268C	1269C	126AC		
D	1261D	1262D	1263D	1264D	1265D	1266D	1267D	1268D	1269D			
E	1261E	1262E	1263E	1264E	1265E	1266E	1267E	1268E	1269E			
F	1261F	1262F	1263F	1264F	1265F	1266F	1267F	1268F	1269F			

Note to reviewers: This is a preliminary proposal. The code points shown are merely suggestions for a possible placement.












































## A. The human body and clothing















12480		ANATOLIAN HIEROGLYPH A001 MYSELF = ego	1249C		ANATOLIAN HIEROGLYPH A028 STRONG = fortis
12481		ANATOLIAN HIEROGLYPH A002 MYSELF2 = ego2 → 12480  anatolian hieroglyph a001 myself	1249D		ANATOLIAN HIEROGLYPH A029 TA2
12482		ANATOLIAN HIEROGLYPH A003	1249E		ANATOLIAN HIEROGLYPH A030
12483		ANATOLIAN HIEROGLYPH D004 MOUNTAIN2 = mons2 → 12561  anatolian hieroglyph d207 mountain	1249F		ANATOLIAN HIEROGLYPH A031 BIND = ligare, pugnus+pugnus
12484		ANATOLIAN HIEROGLYPH A005	124A0		ANATOLIAN HIEROGLYPH A032 ARM = bracchium
12485		ANATOLIAN HIEROGLYPH A006 ADORE = adorare	124A1		ANATOLIAN HIEROGLYPH A033
12486		ANATOLIAN HIEROGLYPH A007 EAT = edere	124A2		ANATOLIAN HIEROGLYPH A034 AFTER = post
12487		ANATOLIAN HIEROGLYPH A008 DRINK = bibere	124A3		ANATOLIAN HIEROGLYPH A035 NA
12488		ANATOLIAN HIEROGLYPH A009 EMBRACE = amplecti	124A4		ANATOLIAN HIEROGLYPH A036 STAFF PLUS NA = lituus+na → 12619  anatolian hieroglyph h378 staff
12489		ANATOLIAN HIEROGLYPH A010 HEAD = caput	124A5		ANATOLIAN HIEROGLYPH A037
1248A		ANATOLIAN HIEROGLYPH A010A HEAD PLUS CHISEL = caput+scalprum → 125A2  anatolian hieroglyph f268 chisel	124A6		ANATOLIAN HIEROGLYPH A038
1248B		ANATOLIAN HIEROGLYPH A011	124A7		ANATOLIAN HIEROGLYPH A039 FIST = pugnus
1248C		ANATOLIAN HIEROGLYPH A012 STATUE = statua	124A8		ANATOLIAN HIEROGLYPH A039A FIST PLUS X = pugnus+x
1248D		ANATOLIAN HIEROGLYPH A013 → 1248E  anatolian hieroglyph a014 before	124A9		ANATOLIAN HIEROGLYPH A040 → 124A7  anatolian hieroglyph a039 fist
1248E		ANATOLIAN HIEROGLYPH A014 BEFORE = pari, prae	124AA		ANATOLIAN HIEROGLYPH A041 TAKE = ta3, capere
1248F		ANATOLIAN HIEROGLYPH A015 LADY = domina	124AB		ANATOLIAN HIEROGLYPH A042 TAKE2 TAKE2 = ta-x, capere2.capere2
12490		ANATOLIAN HIEROGLYPH A016 GREAT LADY = magnus.domina → 12608  anatolian hieroglyph h363 great	124AC		ANATOLIAN HIEROGLYPH A043 TAKE2 = capere2
12491		ANATOLIAN HIEROGLYPH A017 KING = rex	124AD		ANATOLIAN HIEROGLYPH A044 → 124A7  anatolian hieroglyph a039 fist
12492		ANATOLIAN HIEROGLYPH A018 GREAT KING = magnus.rex → 12608  anatolian hieroglyph h363 great	124AE		ANATOLIAN HIEROGLYPH A045 SON = infans, filius, frater
12493		ANATOLIAN HIEROGLYPH A019 A2	124AF		ANATOLIAN HIEROGLYPH A045A DAUGHTER = filia
12494		ANATOLIAN HIEROGLYPH A020 STAFF PLUS A2 = lituus+a2 → 12619  anatolian hieroglyph h378 staff	124B0		ANATOLIAN HIEROGLYPH A046 PRINCE = rex.infans, rex.filius → 12491  anatolian hieroglyph a017 king
12495		ANATOLIAN HIEROGLYPH A021 HERO = heros	124B1		ANATOLIAN HIEROGLYPH A046A PRINCESS = rex.filia → 12491  anatolian hieroglyph a017 king
12496		ANATOLIAN HIEROGLYPH A022 SPEAK = loqui	124B2		ANATOLIAN HIEROGLYPH A046B GREAT DAUGHTER = magnus.filia → 12608  anatolian hieroglyph h363 great
12497		ANATOLIAN HIEROGLYPH A023	124B3		ANATOLIAN HIEROGLYPH A047
12498		ANATOLIAN HIEROGLYPH A024 QUARREL = lis	124B4		ANATOLIAN HIEROGLYPH A048
12499		ANATOLIAN HIEROGLYPH A025 EYE = oculus	124B5		ANATOLIAN HIEROGLYPH A049 A PLUS TA2 → 1249D  anatolian hieroglyph a029 ta2 → 12664  anatolian hieroglyph k450 a
1249A		ANATOLIAN HIEROGLYPH A026 FOREHEAD = frons	124B6		ANATOLIAN HIEROGLYPH A050
1249B		ANATOLIAN HIEROGLYPH A027 LIBATE = libare	124B7		ANATOLIAN HIEROGLYPH A051 FIST CITY = pugnus.urbs → 12575  anatolian hieroglyph e225 city
			124B8		ANATOLIAN HIEROGLYPH A052 HAND KNIFE = manus.culter → 125EE  anatolian hieroglyph g338 knife
			124B9		ANATOLIAN HIEROGLYPH A053 HAND PLUS KNIFE = manus+culter, ensis
			124BA		ANATOLIAN HIEROGLYPH A054
			124BB		ANATOLIAN HIEROGLYPH A055 NI3

## 124BC























## Anatolian Hieroglyphs









































## 124F6





















- 124BC  ANATOLIAN HIEROGLYPH A056 UNDER  
= ka2, infra, sub  
→ 124BD  anatolian hieroglyph a057 under
- 124BD  ANATOLIAN HIEROGLYPH A057 UNDER  
= infra, sub
- 124BE  ANATOLIAN HIEROGLYPH A058 WITH  
= cum
- 124BF  ANATOLIAN HIEROGLYPH A059 HAND  
= manus
- 124C0  ANATOLIAN HIEROGLYPH A060  
→ 124BF  anatolian hieroglyph a059 hand
- 124C1  ANATOLIAN HIEROGLYPH A061
- 124C2  ANATOLIAN HIEROGLYPH A062 LONG  
= longus, manus+minus  
→ 1261C  anatolian hieroglyph j381 less
- 124C3  ANATOLIAN HIEROGLYPH A063  
→ 124BF  anatolian hieroglyph a059 hand
- 124C4  ANATOLIAN HIEROGLYPH A064  
→ 124BF  anatolian hieroglyph a059 hand
- 124C5  ANATOLIAN HIEROGLYPH A065 PUT  
= ponere
- 124C6  ANATOLIAN HIEROGLYPH A066 GIVE  
= pi, dare
- 124C7  ANATOLIAN HIEROGLYPH A066A MANDATE  
= mandare, dare.dare
- 124C8  ANATOLIAN HIEROGLYPH A066B MANDATE2  
= mandare2
- 124C9  ANATOLIAN HIEROGLYPH A067
- 124CA  ANATOLIAN HIEROGLYPH A068  
→ 124C2  anatolian hieroglyph a062 long
- 124CB  ANATOLIAN HIEROGLYPH A069  
→ 124BF  anatolian hieroglyph a059 hand
- 124CC  ANATOLIAN HIEROGLYPH A070 OVER  
= super
- 124CD  ANATOLIAN HIEROGLYPH A071
- 124CE  ANATOLIAN HIEROGLYPH A072
- 124CF  ANATOLIAN HIEROGLYPH A073 HEAR  
= audire, auris+tu+mi
- 124D0  ANATOLIAN HIEROGLYPH A074
- 124D1  ANATOLIAN HIEROGLYPH A075
- 124D2  ANATOLIAN HIEROGLYPH D076  
→ 12571  anatolian hieroglyph d221 road
- 124D3  ANATOLIAN HIEROGLYPH A077
- 124D4  ANATOLIAN HIEROGLYPH A078 WING  
= ala
- 124D5  ANATOLIAN HIEROGLYPH A079 WOMAN  
= femina, mater
- 124D6  ANATOLIAN HIEROGLYPH A080 SARMA
- 124D7  ANATOLIAN HIEROGLYPH A081 SARMA2  
→ 124D6  anatolian hieroglyph a080 Sarma
- 124D8  ANATOLIAN HIEROGLYPH A082 LEG  
= ta6, crus
- 124D9  ANATOLIAN HIEROGLYPH A083 LEG PLUS RIVER  
= crus+flumen  
→ 12567  anatolian hieroglyph d212 river
- 124DA  ANATOLIAN HIEROGLYPH A084 LEG2  
= crus2
- 124DB  ANATOLIAN HIEROGLYPH A085 GENUFLECT  
= genuflectere
- 124DC  ANATOLIAN HIEROGLYPH A086 LEG LEG  
= crus.crus

- 124DD  ANATOLIAN HIEROGLYPH A087  
→ 124DC  anatolian hieroglyph a086 leg leg
- 124DE  ANATOLIAN HIEROGLYPH A088  
→ 124DF  anatolian hieroglyph a089 tu
- 124DF  ANATOLIAN HIEROGLYPH A089 TU
- 124E0  ANATOLIAN HIEROGLYPH A090 FOOT  
= ti, pes
- 124E1  ANATOLIAN HIEROGLYPH A091  
→ 124E2  anatolian hieroglyph a092 foot  
ladder wheels
- 124E2  ANATOLIAN HIEROGLYPH A092 FOOT LADDER  
WHEELS  
= pes.scala.rotae
- 124E3  ANATOLIAN HIEROGLYPH A093 FOOT2  
= pes2
- 124E4  ANATOLIAN HIEROGLYPH A094  
→ 124E2  anatolian hieroglyph a092 foot  
ladder wheels
- 124E5  ANATOLIAN HIEROGLYPH A095 FOOT2 FOOT 2  
= pes2.pes2
- 124E6  ANATOLIAN HIEROGLYPH A096 FOOT2 FOOT  
= pes2.pes
































## B. Animals









- 124E7  ANATOLIAN HIEROGLYPH B097 LION  
= leo, bestia
- 124E8  ANATOLIAN HIEROGLYPH B097A LION2  
= leo2  
→ 124E7  anatolian hieroglyph b097 lion
- 124E9  ANATOLIAN HIEROGLYPH B098 DOG  
= canis
- 124EA  ANATOLIAN HIEROGLYPH B098A DOG2  
= canis2  
→ 124E9  anatolian hieroglyph b098 dog
- 124EB  ANATOLIAN HIEROGLYPH B099 HORSE  
= equus
- 124EC  ANATOLIAN HIEROGLYPH B100 ASS  
= ta, asinus
- 124ED  ANATOLIAN HIEROGLYPH B101 ASS2  
= asinus2
- 124EE  ANATOLIAN HIEROGLYPH B102 DEER  
= ru2, cervus
- 124EF  ANATOLIAN HIEROGLYPH B102A DEER2  
= cervus2  
→ 124EE  anatolian hieroglyph b102 deer
- 124F0  ANATOLIAN HIEROGLYPH B103 DEER3  
= ru2, cervus3
- 124F1  ANATOLIAN HIEROGLYPH B104 GOAT  
= sa3, capra
- 124F2  ANATOLIAN HIEROGLYPH B104A GOAT2  
= capra2  
→ 124F1  anatolian hieroglyph b104 goat
- 124F3  ANATOLIAN HIEROGLYPH B104B GOAT2A  
= capra2a  
→ 124F1  anatolian hieroglyph b104 goat
- 124F4  ANATOLIAN HIEROGLYPH B105 OX  
= u, bos
- 124F5  ANATOLIAN HIEROGLYPH B105A OX2  
= bos2  
→ 124F4  anatolian hieroglyph b105 ox
- 124F6  ANATOLIAN HIEROGLYPH B106

- 124F7  ANATOLIAN HIEROGLYPH B107 OX PLUS MI  
= mu, bos+mi
- 124F8  ANATOLIAN HIEROGLYPH B107A OX MI  
= bos.mi  
→ 124F7  anatolian hieroglyph b107 ox plus mi
- 124F9  ANATOLIAN HIEROGLYPH B107B OX2 MI  
= bos2.mi  
→ 124F7  anatolian hieroglyph b107 ox plus mi
- 124FA  ANATOLIAN HIEROGLYPH B108 HORN  
= su2, cornu
- 124FB  ANATOLIAN HIEROGLYPH B109 CALF  
= vitellus
- 124FC  ANATOLIAN HIEROGLYPH B110 MA
- 124FD  ANATOLIAN HIEROGLYPH B111 SHEEP  
= ovis
- 124FE  ANATOLIAN HIEROGLYPH B112 LICK  
= za4, lingere
- 124FF  ANATOLIAN HIEROGLYPH A113  
→ 1249A  anatolian hieroglyph a026 forehead
- 12500  ANATOLIAN HIEROGLYPH B114 STAFF PLUS U  
= lituus+u  
→ 124F4  anatolian hieroglyph b105 ox  
→ 12619  anatolian hieroglyph h378 staff
- 12501  ANATOLIAN HIEROGLYPH B115 HARE  
= lepus
- 12502  ANATOLIAN HIEROGLYPH B115A HARE2  
= lepus2  
→ 12501  anatolian hieroglyph b115 hare
- 12503  ANATOLIAN HIEROGLYPH B116  
→ 124EC  anatolian hieroglyph b100 ass
- 12504  ANATOLIAN HIEROGLYPH B117
- 12505  ANATOLIAN HIEROGLYPH B118
- 12506  ANATOLIAN HIEROGLYPH E119  
→ 1258B  anatolian hieroglyph e246 build
- 12507  ANATOLIAN HIEROGLYPH B120 CRICKET  
= gryllus
- 12508  ANATOLIAN HIEROGLYPH B121 SPHINX
- 12509  ANATOLIAN HIEROGLYPH B122
- 1250A  ANATOLIAN HIEROGLYPH B123
- 1250B  ANATOLIAN HIEROGLYPH B124 HARE2  
= lepus2  
→ 12501  anatolian hieroglyph b115 hare
- 1250C  ANATOLIAN HIEROGLYPH B125 L2
- 1250D  ANATOLIAN HIEROGLYPH B125A HOOF  
= ungula
- 1250E  ANATOLIAN HIEROGLYPH B126  
→ 1250C  anatolian hieroglyph b125 li2
- 1250F  ANATOLIAN HIEROGLYPH B127
- 12510  ANATOLIAN HIEROGLYPH B128 BIRD  
= zi4, avis
- 12511  ANATOLIAN HIEROGLYPH B129
- 12512  ANATOLIAN HIEROGLYPH B130 BIRD3  
= avis3
- 12513  ANATOLIAN HIEROGLYPH B131 BIRD5  
= avis5
- 12514  ANATOLIAN HIEROGLYPH B132 BIRD2  
= avis2





























- 12515  ANATOLIAN HIEROGLYPH B133 EAGLE  
= ara/i, aquila, avis4  
→ 12516  anatolian hieroglyph b134 ara or ari
- 12516  ANATOLIAN HIEROGLYPH B134 ARA OR ARI  
→ 12515  anatolian hieroglyph b133 eagle
- 12517  ANATOLIAN HIEROGLYPH B135 BIRD-X  
= avis-x
- 12518  ANATOLIAN HIEROGLYPH A136  
→ 124AC  anatolian hieroglyph a043 take2
- 12519  ANATOLIAN HIEROGLYPH A137 LIBATION  
= libatio
- 1251A  ANATOLIAN HIEROGLYPH B138 FISH  
= piscis
- 1251B  ANATOLIAN HIEROGLYPH B139
- 1251C  ANATOLIAN HIEROGLYPH B140
- 1251D  ANATOLIAN HIEROGLYPH B141
- 1251E  ANATOLIAN HIEROGLYPH B142
- 1251F  ANATOLIAN HIEROGLYPH D143  
→ 12569  anatolian hieroglyph d214 ni2
- 12520  ANATOLIAN HIEROGLYPH B144
- 12521  ANATOLIAN HIEROGLYPH B145
- 12522  ANATOLIAN HIEROGLYPH B146
- 12523  ANATOLIAN HIEROGLYPH B147
- 12524  ANATOLIAN HIEROGLYPH A148 JANUS  
= ianus





























## C. Plants

- 12525  ANATOLIAN HIEROGLYPH C149
- 12526  ANATOLIAN HIEROGLYPH C150
- 12527  ANATOLIAN HIEROGLYPH C151 TELIPINU
- 12528  ANATOLIAN HIEROGLYPH C152
- 12529  ANATOLIAN HIEROGLYPH C153 NU
- 1252A  ANATOLIAN HIEROGLYPH C154
- 1252B  ANATOLIAN HIEROGLYPH C155
- 1252C  ANATOLIAN HIEROGLYPH C156
- 1252D  ANATOLIAN HIEROGLYPH C157
- 1252E  ANATOLIAN HIEROGLYPH C158
- 1252F  ANATOLIAN HIEROGLYPH C159
- 12530  ANATOLIAN HIEROGLYPH C160 VINE  
= wi, vitis
- 12531  ANATOLIAN HIEROGLYPH C161
- 12532  ANATOLIAN HIEROGLYPH C162
- 12533  ANATOLIAN HIEROGLYPH C163
- 12534  ANATOLIAN HIEROGLYPH C164
- 12535  ANATOLIAN HIEROGLYPH C165 GOOD  
= wa3/i3, bonus
- 12536  ANATOLIAN HIEROGLYPH C166 WA2 OR W12
- 12537  ANATOLIAN HIEROGLYPH B167  
→ 124F7  anatolian hieroglyph b107 ox plus mi
- 12538  ANATOLIAN HIEROGLYPH F168  
→ 125E1  anatolian hieroglyph f329 which
- 12539  ANATOLIAN HIEROGLYPH J169  
→ 1261E  anatolian hieroglyph j382 wood
- 1253A  ANATOLIAN HIEROGLYPH A170  
→ 124CF  anatolian hieroglyph a073 hear
- 1253B  ANATOLIAN HIEROGLYPH C171
- 1253C  ANATOLIAN HIEROGLYPH C172 TA5
- 1253D  ANATOLIAN HIEROGLYPH F173 SPEAR-CARRIER  
= hastarius
- 1253E  ANATOLIAN HIEROGLYPH C174 SI
- 1253F  ANATOLIAN HIEROGLYPH A175 TONGUE  
= la, lingua















- 12540  ANATOLIAN HIEROGLYPH A176 LA PLUS LA  
= la+la
- 12541  ANATOLIAN HIEROGLYPH A177 TONGUE PLUS NAIL  
= lingua+clavus
- 12542  ANATOLIAN HIEROGLYPH A178 LA PLUS RA PLUS A  
→ 1261F  anatolian hieroglyph j383 combining  
ra or ri  
→ 12664  anatolian hieroglyph k450 a
- 12543  ANATOLIAN HIEROGLYPH C179 BARLEY  
= hordeum, at Topada = hwi-x
- 12544  ANATOLIAN HIEROGLYPH C180
- 12545  ANATOLIAN HIEROGLYPH C181 BREAD  
= pa-x, panis











































## D. Nature







- 12546  ANATOLIAN HIEROGLYPH D182 SKY  
= caelum
- 12547  ANATOLIAN HIEROGLYPH J183  
→ 12649  anatolian hieroglyph j423 ku
- 12548  ANATOLIAN HIEROGLYPH D184
- 12549  ANATOLIAN HIEROGLYPH D185
- 1254A  ANATOLIAN HIEROGLYPH K186  
→ 1265F  anatolian hieroglyph k445 la or li or  
lu
- 1254B  ANATOLIAN HIEROGLYPH D187
- 1254C  ANATOLIAN HIEROGLYPH D188
- 1254D  ANATOLIAN HIEROGLYPH D189
- 1254E  ANATOLIAN HIEROGLYPH D190 SUN2  
= sol2
- 1254F  ANATOLIAN HIEROGLYPH D191 SUN  
= sol
- 12550  ANATOLIAN HIEROGLYPH D192 EAST  
= oriens
- 12551  ANATOLIAN HIEROGLYPH D193 MOON  
= luna
- 12552  ANATOLIAN HIEROGLYPH D194
- 12553  ANATOLIAN HIEROGLYPH D195
- 12554  ANATOLIAN HIEROGLYPH D196 HATTI  
= ha2, Hatti
- 12555  ANATOLIAN HIEROGLYPH D197 HATTI PLUS LI  
= Hatti+li, Hattusili  
→ 125AC  anatolian hieroglyph f278 li
- 12556  ANATOLIAN HIEROGLYPH D198
- 12557  ANATOLIAN HIEROGLYPH D199 STORM  
= tonitrus
- 12558  ANATOLIAN HIEROGLYPH D200 LIGHTNING  
= fulgur
- 12559  ANATOLIAN HIEROGLYPH D201 EARTH  
= wa/i6, terra, locus
- 1255A  ANATOLIAN HIEROGLYPH D202 ROAD PLUS EARTH  
CHISEL  
= via+terra.scalprum  
→ 12571  anatolian hieroglyph d221 road  
→ 12595  anatolian hieroglyph f268 chisel
- 1255B  ANATOLIAN HIEROGLYPH D202A ROAD PLUS EARTH  
PLUS CHISEL  
= via+terra+scalprum
- 1255C  ANATOLIAN HIEROGLYPH D202B GOD EARTH PLUS  
CHISEL  
= deus via+terra  
→ 12605  anatolian hieroglyph h360 god
- 1255D  ANATOLIAN HIEROGLYPH D203
- 1255E  ANATOLIAN HIEROGLYPH D204 WA5 OR W15

- 1255F  ANATOLIAN HIEROGLYPH D205
- 12560  ANATOLIAN HIEROGLYPH D206
- 12561  ANATOLIAN HIEROGLYPH D207 MOUNTAIN  
= wa/i4, mons
- 12562  ANATOLIAN HIEROGLYPH D207A LION PLUS  
MOUNTAIN  
= leo+mons.tu+leo  
→ 124E7  anatolian hieroglyph b097 lion  
→ 12561  anatolian hieroglyph d207 mountain
- 12563  ANATOLIAN HIEROGLYPH D208
- 12564  ANATOLIAN HIEROGLYPH D209 I  
= i, ia, end of word
- 12565  ANATOLIAN HIEROGLYPH D210 IA
- 12566  ANATOLIAN HIEROGLYPH D211
- 12567  ANATOLIAN HIEROGLYPH D212 RIVER  
= flumen
- 12568  ANATOLIAN HIEROGLYPH D213  
→ 12567  anatolian hieroglyph d212 river
- 12569  ANATOLIAN HIEROGLYPH D214 NI2
- 1256A  ANATOLIAN HIEROGLYPH D215 SPRING  
= ha, fons
- 1256B  ANATOLIAN HIEROGLYPH D216 BORDERS  
= arha, fines
- 1256C  ANATOLIAN HIEROGLYPH D216A BORDERS PLUS HA  
= fines+ha  
→ 1256A  anatolian hieroglyph d215 spring  
→ 1256B  anatolian hieroglyph d216 borders
- 1256D  ANATOLIAN HIEROGLYPH D217
- 1256E  ANATOLIAN HIEROGLYPH D218
- 1256F  ANATOLIAN HIEROGLYPH D219
- 12570  ANATOLIAN HIEROGLYPH D220
- 12571  ANATOLIAN HIEROGLYPH D221 ROAD  
= via
- 12572  ANATOLIAN HIEROGLYPH D222  
→ 12571  anatolian hieroglyph d221 road
- 12573  ANATOLIAN HIEROGLYPH D223 SA6
- 12574  ANATOLIAN HIEROGLYPH D224 HA OR PA  
= ha?, pa?




































## E. Buildings

- 12575  ANATOLIAN HIEROGLYPH E225 CITY  
= urbs
- 12576  ANATOLIAN HIEROGLYPH E226
- 12577  ANATOLIAN HIEROGLYPH E227 CITY PLUS RA OR RI  
PLUS LI  
= urbs+ra/i+li, Mursili
- 12578  ANATOLIAN HIEROGLYPH E227A CITY PLUS LI  
= urbs+li, Mursili
- 12579  ANATOLIAN HIEROGLYPH E228 COUNTRY  
= regio
- 1257A  ANATOLIAN HIEROGLYPH E229 MI2 COUNTRY  
= mi2.regio
- 1257B  ANATOLIAN HIEROGLYPH E230 TU4
- 1257C  ANATOLIAN HIEROGLYPH E231 FORTRESS  
= castrum
- 1257D  ANATOLIAN HIEROGLYPH E232  
→ 1256F  anatolian hieroglyph e231 fortress
- 1257E  ANATOLIAN HIEROGLYPH E233  
→ 1256F  anatolian hieroglyph e231 fortress
- 1257F  ANATOLIAN HIEROGLYPH E234
- 12580  ANATOLIAN HIEROGLYPH E235 TOWER  
= turris



- 12581  ANATOLIAN HIEROGLYPH E236 WALL  
= murus
- 12582  ANATOLIAN HIEROGLYPH E237 GATE  
= porta
- 12583  ANATOLIAN HIEROGLYPH E238  
→ 12582  anatolian hieroglyph e237 gate
- 12584  ANATOLIAN HIEROGLYPH E239 GATE2  
= porta2
- 12585  ANATOLIAN HIEROGLYPH E240
- 12586  ANATOLIAN HIEROGLYPH E241 KI-X
- 12587  ANATOLIAN HIEROGLYPH J242  
→ 12652  anatolian hieroglyph j432 zu
- 12588  ANATOLIAN HIEROGLYPH A243 ELBOW  
= cubitum
- 12589  ANATOLIAN HIEROGLYPH E244 BUILDING  
= aedificium
- 1258A  ANATOLIAN HIEROGLYPH E245 EMPTY  
= vacuus, aedificium+minus  
→ 1261C  anatolian hieroglyph j381 less
- 1258B  ANATOLIAN HIEROGLYPH E246 BUILD  
= aedificare, aedificium.ponere  
→ 124C5  anatolian hieroglyph a065
- 1258C  ANATOLIAN HIEROGLYPH E247 HOUSE  
= domus
- 1258D  ANATOLIAN HIEROGLYPH E248 DESTROY  
= delere, domus+minus  
→ 1261C  anatolian hieroglyph j381 less
- 1258E  ANATOLIAN HIEROGLYPH E249 GOD HOUSE  
= deus.domus  
→ 12605  anatolian hieroglyph h360 god
- 1258F  ANATOLIAN HIEROGLYPH E250 GREAT HOUSE  
= magnus.domus  
→ 12608  anatolian hieroglyph h363 great
- 12590  ANATOLIAN HIEROGLYPH E251 HOUSE PLUS X  
= domus+x
- 12591  ANATOLIAN HIEROGLYPH E252 HOUSE PLUS LADDER  
= domus+scala
- 12592  ANATOLIAN HIEROGLYPH E253  
→ 12591  anatolian hieroglyph e252 house plus ladder
- 12593  ANATOLIAN HIEROGLYPH E254 EUNUCH2  
= eunuchus2  
→ 1267D  anatolian hieroglyph k474 eunuch
- 12594  ANATOLIAN HIEROGLYPH E255
- 12595  ANATOLIAN HIEROGLYPH E256  
→ 12594  anatolian hieroglyph e255
- 12596  ANATOLIAN HIEROGLYPH E257 SILVER  
= argentum
- 12597  ANATOLIAN HIEROGLYPH E258  
→ 12596  anatolian hieroglyph e257 silver
- 12598  ANATOLIAN HIEROGLYPH E259
- 12599  ANATOLIAN HIEROGLYPH E260  
→ 12596  anatolian hieroglyph e257 silver
- 1259A  ANATOLIAN HIEROGLYPH E261
- 1259B  ANATOLIAN HIEROGLYPH E262
- 1259C  ANATOLIAN HIEROGLYPH E263
- 1259D  ANATOLIAN HIEROGLYPH E264 PEDESTAL  
= podium
- 1259E  ANATOLIAN HIEROGLYPH E265


- 1259F  ANATOLIAN HIEROGLYPH E266  
→ 124E3  anatolian hieroglyph a093 foot2  
→ 12579  anatolian hieroglyph e228 country
- 125A0  ANATOLIAN HIEROGLYPH E267 STELE  
= stele, lapis+scalprum
- 125A1  ANATOLIAN HIEROGLYPH E267A STONE  
= lapis
- 125A2  ANATOLIAN HIEROGLYPH F268 CHISEL  
= scalprum


## F. Arms, tools, furniture, and other instruments


- 125A3  ANATOLIAN HIEROGLYPH F269 ARMY  
= exercitus
- 125A4  ANATOLIAN HIEROGLYPH A270  
→ 124CC  anatolian hieroglyph a070 over
- 125A5  ANATOLIAN HIEROGLYPH F271
- 125A6  ANATOLIAN HIEROGLYPH F272 SHIELD  
= scutum
- 125A7  ANATOLIAN HIEROGLYPH F273
- 125A8  ANATOLIAN HIEROGLYPH F274
- 125A9  ANATOLIAN HIEROGLYPH F275
- 125AA  ANATOLIAN HIEROGLYPH F276 BROTHER2  
= frater2
- 125AB  ANATOLIAN HIEROGLYPH H277 JUSTICE LA  
= iustitia.la, iudex.la  
→ 1253F  anatolian hieroglyph a175 tongue  
→ 12612  anatolian hieroglyph h371 justice
- 125AC  ANATOLIAN HIEROGLYPH F278 LI
- 125AD  ANATOLIAN HIEROGLYPH F279
- 125AE  ANATOLIAN HIEROGLYPH F280 HAMMER  
= wa/i9, malleus
- 125AF  ANATOLIAN HIEROGLYPH F281 DOUBLE AXE  
= ascia
- 125B0  ANATOLIAN HIEROGLYPH F282
- 125B1  ANATOLIAN HIEROGLYPH F283
- 125B2  ANATOLIAN HIEROGLYPH F284
- 125B3  ANATOLIAN HIEROGLYPH F285 ZU OR ZUWA
- 125B4  ANATOLIAN HIEROGLYPH F286 WA7 OR W17
- 125B5  ANATOLIAN HIEROGLYPH J287  
→ 12630  anatolian hieroglyph j399 hundred
- 125B6  ANATOLIAN HIEROGLYPH F288 CHARIOT  
= currus
- 125B7  ANATOLIAN HIEROGLYPH F289 CHARIOTEER  
= auriga
- 125B8  ANATOLIAN HIEROGLYPH F290 HARA OR HARI
- 125B9  ANATOLIAN HIEROGLYPH F291 LI3
- 125BA  ANATOLIAN HIEROGLYPH F292 WHEEL  
= hala/i, rota
- 125BB  ANATOLIAN HIEROGLYPH F293
- 125BC  ANATOLIAN HIEROGLYPH F294 THRONE OR TABLE  
= thronus, mensa
- 125BD  ANATOLIAN HIEROGLYPH F294A THRONE OR TABLE2  
= thronus, mensa2, Sarpa
- 125BE  ANATOLIAN HIEROGLYPH F295  
→ 1254E  anatolian hieroglyph d190 sun2  
→ 125BC  anatolian hieroglyph f294 throne or table
- 125BF  ANATOLIAN HIEROGLYPH F296 MOUNTAIN SARPA  
= mons.Sarpa





125C0  ANATOLIAN HIEROGLYPH F297  
→ 125BF  anatolian hieroglyph f296 mountain  
Sarpa



125C1  ANATOLIAN HIEROGLYPH F298 THRONE2  
= thronus2


125C2  ANATOLIAN HIEROGLYPH F299 CHAIR  
= i2, solium


125C3  ANATOLIAN HIEROGLYPH F299A IA2


125C4  ANATOLIAN HIEROGLYPH F300 DESCENDANT  
= nepos


125C5  ANATOLIAN HIEROGLYPH F301 COUCH  
= lectus


125C6  ANATOLIAN HIEROGLYPH J302  
→ 12630  anatolian hieroglyph j399 hundred


125C7  ANATOLIAN HIEROGLYPH F303 SARA OR SARI


125C8  ANATOLIAN HIEROGLYPH F304 MA3



125C9  ANATOLIAN HIEROGLYPH F305  
= fusus


125CA  ANATOLIAN HIEROGLYPH F306 HI2



125CB  ANATOLIAN HIEROGLYPH F307 HU


125CC  ANATOLIAN HIEROGLYPH F308


125CD  ANATOLIAN HIEROGLYPH F309 CROSS  
= crux


125CE  ANATOLIAN HIEROGLYPH D310  
→ 12559  anatolian hieroglyph d201 earth


125CF  ANATOLIAN HIEROGLYPH F311


125D0  ANATOLIAN HIEROGLYPH F312  
→ 125D1  anatolian hieroglyph f313 man


125D1  ANATOLIAN HIEROGLYPH F313 MAN  
= zi2, vir


125D2  ANATOLIAN HIEROGLYPH F314 HA-X



125D3  ANATOLIAN HIEROGLYPH F315 KAR


125D4  ANATOLIAN HIEROGLYPH F316 SA7


125D5  ANATOLIAN HIEROGLYPH F317



125D6  ANATOLIAN HIEROGLYPH F318 TESUB


125D7  ANATOLIAN HIEROGLYPH F319 TA4  
= ta4, li-x?


125D8  ANATOLIAN HIEROGLYPH C320  
→ 12535  anatolian hieroglyph c165 good


125D9  ANATOLIAN HIEROGLYPH F321


125DA  ANATOLIAN HIEROGLYPH F322 PURE  
= purus


125DB  ANATOLIAN HIEROGLYPH F323  
→ 125DA  anatolian hieroglyph f322 pure


125DC  ANATOLIAN HIEROGLYPH F324



125DD  ANATOLIAN HIEROGLYPH F325 TU2




125DE  ANATOLIAN HIEROGLYPH F326 SCRIBE  
= tu3, scriba


125DF  ANATOLIAN HIEROGLYPH F327 SEAL  
= sa5, sigillum


125E0  ANATOLIAN HIEROGLYPH F328 PU


125E1  ANATOLIAN HIEROGLYPH F329 WHICH  
= kwi/a, relative pronoun


125E2  ANATOLIAN HIEROGLYPH F329A  
→ 1269B  anatolian hieroglyph f508 hwi

125E3  ANATOLIAN HIEROGLYPH F330 TAKE PLUS CHISEL  
= capere+scalprum  
→ 124AA  anatolian hieroglyph a041 take  
→ 125A2  anatolian hieroglyph f268 chisel


125E4  ANATOLIAN HIEROGLYPH F331 GRANDFATHER  
= avus

125E5  ANATOLIAN HIEROGLYPH F332A NOT  
= neg


125E6  ANATOLIAN HIEROGLYPH F332B NOT2  
= na2, neg2



125E7  ANATOLIAN HIEROGLYPH F332C NOT3  
= neg3




### G. Vases and receptacles

125E8  ANATOLIAN HIEROGLYPH G333

125E9  ANATOLIAN HIEROGLYPH G334 PA


125EA  ANATOLIAN HIEROGLYPH G335 ZA2


125EB  ANATOLIAN HIEROGLYPH G336 YEAR  
= zi3, annus, pithos.scutella  
→ 125ED  anatolian hieroglyph g337 jar  
→ 12633  anatolian hieroglyph j402 plate


125EC  ANATOLIAN HIEROGLYPH G336A ZA3  
→ 125EB  anatolian hieroglyph g336 year  
→ 12619  anatolian hieroglyph h378 staff

125ED  ANATOLIAN HIEROGLYPH G337 JAR  
= pithos

125EE  ANATOLIAN HIEROGLYPH G338 KNIFE  
= culter


125EF  ANATOLIAN HIEROGLYPH F339  
→ 125D7  anatolian hieroglyph f319 ta4

125F0  ANATOLIAN HIEROGLYPH G340 YEAR PLUS YEAR  
= annus+annus

125F1  ANATOLIAN HIEROGLYPH G341 VESSEL  
= vas


125F2  ANATOLIAN HIEROGLYPH F342  
→ 125CB  anatolian hieroglyph f307 hu



125F3  ANATOLIAN HIEROGLYPH G343


125F4  ANATOLIAN HIEROGLYPH G344 NARROW  
= contractus

125F5  ANATOLIAN HIEROGLYPH G345 PITCHER  
= urceus


125F6  ANATOLIAN HIEROGLYPH G346 CUP  
= poculum

125F7  ANATOLIAN HIEROGLYPH G347 HU2



125F8  ANATOLIAN HIEROGLYPH G348  
→ 125F9  anatolian hieroglyph g349



125F9  ANATOLIAN HIEROGLYPH G349

125FA  ANATOLIAN HIEROGLYPH G350


125FB  ANATOLIAN HIEROGLYPH G351


125FC  ANATOLIAN HIEROGLYPH G352  
→ 125F5  anatolian hieroglyph g345 pitcher

125FD  ANATOLIAN HIEROGLYPH G353  
→ 125F5  anatolian hieroglyph g345 pitcher


125FE  ANATOLIAN HIEROGLYPH G354  
→ 125F5  anatolian hieroglyph g345 pitcher


125FF  ANATOLIAN HIEROGLYPH G355 PRIEST  
= sacerdos

12600  ANATOLIAN HIEROGLYPH G356

12601  ANATOLIAN HIEROGLYPH G357

12602  ANATOLIAN HIEROGLYPH G358 DAY  
= dies

12603  ANATOLIAN HIEROGLYPH G359  
→ 12602  anatolian hieroglyph g358 day

12604  ANATOLIAN HIEROGLYPH G359  
→ 1258A  anatolian hieroglyph e245 empty

## H. Symbols

12605	☉	ANATOLIAN HIEROGLYPH H360 GOD = deus
12606	☉	ANATOLIAN HIEROGLYPH H361
12607	☉	ANATOLIAN HIEROGLYPH H362 MA2
12608	☉	ANATOLIAN HIEROGLYPH H363 GREAT = ur, magnus
12609	☉	ANATOLIAN HIEROGLYPH B364 U → 124F4 ☉ anatolian hieroglyph b105 ox
1260A	☉	ANATOLIAN HIEROGLYPH B364A MU → 124F7 ☉ anatolian hieroglyph b107 ox plus mi
1260B	☉	ANATOLIAN HIEROGLYPH H365
1260C	☉	ANATOLIAN HIEROGLYPH H366 ALL = omnis
1260D	☉	ANATOLIAN HIEROGLYPH H367 TAL
1260E	☉	ANATOLIAN HIEROGLYPH H368 BAD = malus
1260F	☉	ANATOLIAN HIEROGLYPH H368A BAD2 = malus2
12610	☉	ANATOLIAN HIEROGLYPH H369 LIFE = vita
12611	☉	ANATOLIAN HIEROGLYPH H370 GOOD2 = su, bonus2
12612	☉	ANATOLIAN HIEROGLYPH H371 JUSTICE = iustitia, iudex → 125AB ☉ anatolian hieroglyph h277 justice la
12613	☉	ANATOLIAN HIEROGLYPH H372 PRIEST2 = sacerdos2
12614	☉	ANATOLIAN HIEROGLYPH H373
12615	☉	ANATOLIAN HIEROGLYPH H374
12616	☉	ANATOLIAN HIEROGLYPH H375
12617	☉	ANATOLIAN HIEROGLYPH H376 ZI = zi, zi/a
12618	☉	ANATOLIAN HIEROGLYPH H377 ZA
12619	☉	ANATOLIAN HIEROGLYPH H378 STAFF = lituus
1261A	☉	ANATOLIAN HIEROGLYPH H379 WEST = ta3, occidens

## J. Lines, numbers, and geometric shapes

1261B	Ⅰ	ANATOLIAN HIEROGLYPH J380 ONE = sa8, unus, personal marker
1261C	Ⅱ	ANATOLIAN HIEROGLYPH J381 LESS = minus
1261D	Ⅲ	ANATOLIAN HIEROGLYPH J381A DEATH = mori, vir2.minus → 1261C Ⅲ anatolian hieroglyph j381 less → 12623 Ⅲ anatolian hieroglyph j386a man2
1261E	Ⅳ	ANATOLIAN HIEROGLYPH J382 WOOD = lignum
1261F	Ⅴ	ANATOLIAN HIEROGLYPH J383 COMBINING RA OR RI
12620	Ⅵ	ANATOLIAN HIEROGLYPH J384 TWO
12621	Ⅶ	ANATOLIAN HIEROGLYPH J385 TWO2
12622	Ⅷ	ANATOLIAN HIEROGLYPH J386 MAN2 = vir2, beginning of word
12623	Ⅸ	ANATOLIAN HIEROGLYPH J386A MAN2A = vir2a, beginning of word
12624	Ⅹ	ANATOLIAN HIEROGLYPH J387 SERVANT = mi3, servus
12625	Ⅺ	ANATOLIAN HIEROGLYPH J388 THREE = tara/i
12626	Ⅻ	ANATOLIAN HIEROGLYPH J389 TARA OR TARI

12627	Ⅼ	ANATOLIAN HIEROGLYPH J390 LORD = dominus
12628	Ⅽ	ANATOLIAN HIEROGLYPH J391 FOUR = mi
12629	Ⅾ	ANATOLIAN HIEROGLYPH J392 FIVE
1262A	Ⅿ	ANATOLIAN HIEROGLYPH J393 EIGHT
1262B	ⅰ	ANATOLIAN HIEROGLYPH J394
1262C	ⅱ	ANATOLIAN HIEROGLYPH J395 NINE = nu2
1262D	ⅲ	ANATOLIAN HIEROGLYPH J396
1262E	ⅳ	ANATOLIAN HIEROGLYPH A397 TEN = decem
1262F	ⅴ	ANATOLIAN HIEROGLYPH J398
12630	ⅵ	ANATOLIAN HIEROGLYPH J399 HUNDRED = centum
12631	ⅶ	ANATOLIAN HIEROGLYPH J400 THOUSAND = mille
12632	ⅷ	ANATOLIAN HIEROGLYPH K401 → 12680 ⅷ anatolian hieroglyph k477 flames
12633	ⅸ	ANATOLIAN HIEROGLYPH J402 PLATE = sa4, scutella
12634	ⅹ	ANATOLIAN HIEROGLYPH J403
12635	ⅺ	ANATOLIAN HIEROGLYPH J404 ANIMAL
12636	ⅻ	ANATOLIAN HIEROGLYPH J405
12637	ⅼ	ANATOLIAN HIEROGLYPH J406
12638	ⅽ	ANATOLIAN HIEROGLYPH J407
12639	ⅾ	ANATOLIAN HIEROGLYPH A408 → 124D5 ⅾ anatolian hieroglyph a079 woman
1263A	ⅿ	ANATOLIAN HIEROGLYPH J409
1263B	ⅿ	ANATOLIAN HIEROGLYPH J410 BEGIN LOGOGRAM MARK
1263C	ⅿ	ANATOLIAN HIEROGLYPH J410A END LOGOGRAM MARK
1263D	ⅿ	ANATOLIAN HIEROGLYPH J411 NI
1263E	ⅿ	ANATOLIAN HIEROGLYPH J412 RU
1263F	ⅿ	ANATOLIAN HIEROGLYPH J413 HI
12640	ⅿ	ANATOLIAN HIEROGLYPH J414
12641	ⅿ	ANATOLIAN HIEROGLYPH J415 SA
12642	ⅿ	ANATOLIAN HIEROGLYPH F416 → 125D7 ⅿ anatolian hieroglyph f319 ta4
12643	ⅿ	ANATOLIAN HIEROGLYPH J417 SA-X
12644	ⅿ	ANATOLIAN HIEROGLYPH J418
12645	ⅿ	ANATOLIAN HIEROGLYPH J419 MI2
12646	ⅿ	ANATOLIAN HIEROGLYPH J420 → 12645 ⅿ anatolian hieroglyph j419 mi2
12647	ⅿ	ANATOLIAN HIEROGLYPH J421 US
12648	ⅿ	ANATOLIAN HIEROGLYPH J422 BREAD PLATE = panis.scutella → 12545 ⅿ anatolian hieroglyph c181 bread → 12633 ⅿ anatolian hieroglyph j402 plate
12649	ⅿ	ANATOLIAN HIEROGLYPH J423 KU
1264A	ⅿ	ANATOLIAN HIEROGLYPH J424
1264B	ⅿ	ANATOLIAN HIEROGLYPH J425
1264C	ⅿ	ANATOLIAN HIEROGLYPH J426
1264D	ⅿ	ANATOLIAN HIEROGLYPH J427
1264E	ⅿ	ANATOLIAN HIEROGLYPH J428
1264F	ⅿ	ANATOLIAN HIEROGLYPH J429 TANA
12650	ⅿ	ANATOLIAN HIEROGLYPH J430 ALL2 = pu2, omnis2
12651	ⅿ	ANATOLIAN HIEROGLYPH J431
12652	ⅿ	ANATOLIAN HIEROGLYPH J432 ZU = zu?

## K. Varia

12653	ⅿ	ANATOLIAN HIEROGLYPH K433 SA2
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12654	𐀄	ANATOLIAN HIEROGLYPH K434 KA
12655	𐀅	ANATOLIAN HIEROGLYPH K435 A-X = a-x?
12656	𐀆	ANATOLIAN HIEROGLYPH K436
12657	𐀇	ANATOLIAN HIEROGLYPH K437
12658	𐀈	ANATOLIAN HIEROGLYPH K438 SHEPHERD = pastor
12659	𐀉	ANATOLIAN HIEROGLYPH K439 WA OR WI
1265A	𐀊	ANATOLIAN HIEROGLYPH K440
1265B	𐀋	ANATOLIAN HIEROGLYPH K441
1265C	𐀌	ANATOLIAN HIEROGLYPH K442
1265D	𐀍	ANATOLIAN HIEROGLYPH K443
1265E	𐀎	ANATOLIAN HIEROGLYPH A444 → 12488 𐀎 anatolian hieroglyph a009 embrace
1265F	𐀏	ANATOLIAN HIEROGLYPH K445 LA OR LI OR LU
12660	𐀐	ANATOLIAN HIEROGLYPH K446 KI
12661	𐀑	ANATOLIAN HIEROGLYPH K447 TOWARD = ni-x, versus
12662	𐀒	ANATOLIAN HIEROGLYPH K448 SU3 = su3, zu3?
12663	𐀓	ANATOLIAN HIEROGLYPH K449
12664	𐀔	ANATOLIAN HIEROGLYPH K450 A = a, end of word
12665	𐀕	ANATOLIAN HIEROGLYPH K451 HUR
12666	𐀖	ANATOLIAN HIEROGLYPH K452
12667	𐀗	ANATOLIAN HIEROGLYPH C453 → 12543 𐀗 anatolian hieroglyph c179 barley
12668	𐀘	ANATOLIAN HIEROGLYPH C454 → 12543 𐀗 anatolian hieroglyph c179 barley
12669	𐀙	ANATOLIAN HIEROGLYPH K455 LA-X
1266A	𐀚	ANATOLIAN HIEROGLYPH K456 SI2 = si2?
1266B	𐀛	ANATOLIAN HIEROGLYPH B457 → 1250C 𐀛 anatolian hieroglyph b125 li2
1266C	𐀜	ANATOLIAN HIEROGLYPH B457A
1266D	𐀝	ANATOLIAN HIEROGLYPH K458
1266E	𐀞	ANATOLIAN HIEROGLYPH K459
1266F	𐀟	ANATOLIAN HIEROGLYPH K460
12670	𐀠	ANATOLIAN HIEROGLYPH K461
12671	𐀡	ANATOLIAN HIEROGLYPH K462 PA2 = pa2?, ma-x?
12672	𐀢	ANATOLIAN HIEROGLYPH K463
12673	𐀣	ANATOLIAN HIEROGLYPH K464
12674	𐀤	ANATOLIAN HIEROGLYPH D465 → 1254F 𐀤 anatolian hieroglyph d191 sun
12675	𐀥	ANATOLIAN HIEROGLYPH K466
12676	𐀦	ANATOLIAN HIEROGLYPH D467 → 1254F 𐀤 anatolian hieroglyph d191 sun
12677	𐀧	ANATOLIAN HIEROGLYPH K468 → 12678 𐀧 anatolian hieroglyph k469
12678	𐀨	ANATOLIAN HIEROGLYPH K469
12679	𐀩	ANATOLIAN HIEROGLYPH K470 TWELVE
1267A	𐀪	ANATOLIAN HIEROGLYPH K471
1267B	𐀫	ANATOLIAN HIEROGLYPH K472
1267C	𐀬	ANATOLIAN HIEROGLYPH K473 → 1267D 𐀬 anatolian hieroglyph k474 eunuch
1267D	𐀭	ANATOLIAN HIEROGLYPH K474 EUNUCH = eunuchus → 12593 𐀭 anatolian hieroglyph e254 eunuch2
1267E	𐀮	ANATOLIAN HIEROGLYPH K475
1267F	𐀯	ANATOLIAN HIEROGLYPH K476
12680	𐀰	ANATOLIAN HIEROGLYPH K477 FLAMES = flammae

12681	𐀱	ANATOLIAN HIEROGLYPH K478
12682	𐀲	ANATOLIAN HIEROGLYPH K479 → 12680 𐀰 anatolian hieroglyph k477 flames
12683	𐀳	ANATOLIAN HIEROGLYPH K480
12684	𐀴	ANATOLIAN HIEROGLYPH K481
12685	𐀵	ANATOLIAN HIEROGLYPH K482
12686	𐀶	ANATOLIAN HIEROGLYPH K483
12687	𐀷	ANATOLIAN HIEROGLYPH K484
12688	𐀸	ANATOLIAN HIEROGLYPH K485
12689	𐀹	ANATOLIAN HIEROGLYPH K486 SCYTHE = falx
1268A	𐀺	ANATOLIAN HIEROGLYPH A487 → 12480 𐀺 anatolian hieroglyph a001 myself
1268B	𐀻	ANATOLIAN HIEROGLYPH K488 TI2
1268C	𐀼	ANATOLIAN HIEROGLYPH K489
1268D	𐀽	ANATOLIAN HIEROGLYPH K490
1268E	𐀾	ANATOLIAN HIEROGLYPH K491
1268F	𐀿	ANATOLIAN HIEROGLYPH K492
12690	𐁀	ANATOLIAN HIEROGLYPH K493
12691	𐁁	ANATOLIAN HIEROGLYPH K494
12692	𐁂	ANATOLIAN HIEROGLYPH K495
12693	𐁃	ANATOLIAN HIEROGLYPH K496
12694	𐁄	ANATOLIAN HIEROGLYPH K497

### M. Additional signs

12695	𐁅	ANATOLIAN HIEROGLYPH M501
12696	𐁆	ANATOLIAN HIEROGLYPH M502
12697	𐁇	ANATOLIAN HIEROGLYPH M503
12698	𐁈	ANATOLIAN HIEROGLYPH M504
12699	𐁉	ANATOLIAN HIEROGLYPH M505
1269A	𐁊	ANATOLIAN HIEROGLYPH M506 HANA
1269B	𐁋	ANATOLIAN HIEROGLYPH M507
1269C	𐁌	ANATOLIAN HIEROGLYPH F508 HWI = hwi, hwi/a → 125E2 𐁌 anatolian hieroglyph f329a
1269D	𐁍	ANATOLIAN HIEROGLYPH M509
1269E	𐁎	ANATOLIAN HIEROGLYPH M510
1269F	𐁏	ANATOLIAN HIEROGLYPH M511
126A0	𐁐	ANATOLIAN HIEROGLYPH M512
126A1	𐁑	ANATOLIAN HIEROGLYPH M513
126A2	𐁒	ANATOLIAN HIEROGLYPH M514
126A3	𐁓	ANATOLIAN HIEROGLYPH M515
126A4	𐁔	ANATOLIAN HIEROGLYPH M516
126A5	𐁕	ANATOLIAN HIEROGLYPH M517
126A6	𐁖	ANATOLIAN HIEROGLYPH B518 → 124FD 𐁖 anatolian hieroglyph b111 sheep
126A7	𐁗	ANATOLIAN HIEROGLYPH G519 → 125F5 𐁗 anatolian hieroglyph g345 pitcher
126A8	𐁘	ANATOLIAN HIEROGLYPH M520
126A9	𐁙	ANATOLIAN HIEROGLYPH M521
126AA	𐁚	ANATOLIAN HIEROGLYPH M522
126AB	𐁛	ANATOLIAN HIEROGLYPH M523
126AC	𐁜	ANATOLIAN HIEROGLYPH A524 PROPHET = propheta, cornu+caput → 12489 𐁜 anatolian hieroglyph a010 head → 124FA 𐁜 anatolian hieroglyph b108 horn

## A. Administrative

### 1. Title

Preliminary proposal to encode Anatolian Hieroglyphs in the SMP of the UCS

### 2. Requester's name

UC Berkeley Script Encoding Initiative (Universal Scripts Project); author: Michael Everson

### 3. Requester type (Member body/Liaison/Individual contribution)

Liaison contribution.

### 4. Submission date

2006-09-20

### 5. Requester's reference (if applicable)

### 6. Choose one of the following:

#### 6a. This is a complete proposal

No.

#### 6b. More information will be provided later

Yes.

## B. Technical – General

### 1. Choose one of the following:

#### 1a. This proposal is for a new script (set of characters)

Yes

#### 1b. Proposed name of script

Anatolian Hieroglyphs.

#### 1c. The proposal is for addition of character(s) to an existing block

No.

#### 1d. Name of the existing block

### 2. Number of characters in proposal

557.

### 3. Proposed category (A-Contemporary; B.1-Specialized (small collection); B.2-Specialized (large collection); C-Major extinct; D-Attested extinct; E-Minor extinct; F-Archaic Hieroglyphic or Ideographic; G-Obscure or questionable usage symbols)

Category F.

### 4a. Proposed Level of Implementation (1, 2 or 3)

Level 3

### 4b. Is a rationale provided for the choice?

Yes.

### 4c. If YES, reference

One combining character is proposed.

### 5a. Is a repertoire including character names provided?

Yes.

### 5b. If YES, are the names in accordance with the “character naming guidelines” in Annex L of P&P document?

Yes.

### 5c. Are the character shapes attached in a legible form suitable for review?

Yes.

### 6a. Who will provide the appropriate computerized font (ordered preference: True Type, or PostScript format) for publishing the standard?

Michael Everson.

### 6b. If available now, identify source(s) for the font (include address, e-mail, ftp-site, etc.) and indicate the tools used:

Michael Everson, Fontographer.

### 7a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?

Yes, see bibliography above.

### 7b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached?

Yes.

### 8. Does the proposal address other aspects of character data processing (if applicable) such as input, presentation, sorting, searching, indexing, transliteration etc. (if yes please enclose information)?

Yes, see above.

9. Submitters are invited to provide any additional information about Properties of the proposed Character(s) or Script that will assist in correct understanding of and correct linguistic processing of the proposed character(s) or script. Examples of such properties are: Casing information, Numeric information, Currency information, Display behaviour information such as line breaks, widths etc., Combining behaviour, Spacing behaviour, Directional behaviour, Default Collation behaviour, relevance in Mark Up contexts, Compatibility equivalence and other Unicode normalization related information. See the Unicode standard at <http://www.unicode.org> for such information on other scripts. Also see Unicode Character Database <http://www.unicode.org/Public/UNIDATA/UnicodeCharacterDatabase.html> and associated Unicode Technical Reports for information needed for consideration by the Unicode Technical Committee for inclusion in the Unicode Standard.

Yes, see Unicode properties above.

## **C. Technical – Justification**

**1. Has this proposal for addition of character(s) been submitted before? If YES, explain.**

No.

**2a. Has contact been made to members of the user community (for example: National Body, user groups of the script or characters, other experts, etc.)?**

Yes.

**2b. If YES, with whom?**

Anna Murpurgo Davies, Craig Melchert.

**2c. If YES, available relevant documents**

**3. Information on the user community for the proposed characters (for example: size, demographics, information technology use, or publishing use) is included?**

Indo-Europeanists researching Anatolian languages using this script.

**4a. The context of use for the proposed characters (type of use; common or rare)**

Anatolian scripts are fairly rare as these things go.

**4b. Reference**

**5a. Are the proposed characters in current use by the user community?**

Yes.

**5b. If YES, where?**

By scholars worldwide.

**6a. After giving due considerations to the principles in the P&P document must the proposed characters be entirely in the BMP?**

No.

**6b. If YES, is a rationale provided?**

**6c. If YES, reference**

**7. Should the proposed characters be kept together in a contiguous range (rather than being scattered)?**

Yes.

**8a. Can any of the proposed characters be considered a presentation form of an existing character or character sequence?**

No.

**8b. If YES, is a rationale for its inclusion provided?**

**8c. If YES, reference**

**9a. Can any of the proposed characters be encoded using a composed character sequence of either existing characters or other proposed characters?**

No.

**9b. If YES, is a rationale for its inclusion provided?**

**9c. If YES, reference**

**10a. Can any of the proposed character(s) be considered to be similar (in appearance or function) to an existing character?**

No.

**10b. If YES, is a rationale for its inclusion provided?**

**10c. If YES, reference**

**11a. Does the proposal include use of combining characters and/or use of composite sequences (see clauses 4.12 and 4.14 in ISO/IEC 10646-1: 2000)?**

Yes.

**11b. If YES, is a rationale for such use provided?**

Yes.

**11c. If YES, reference**

See above.

**11d. Is a list of composite sequences and their corresponding glyph images (graphic symbols) provided?**

No.

**11e. If YES, reference**

**12a. Does the proposal contain characters with any special properties such as control function or similar semantics?**

No.

**12b. If YES, describe in detail (include attachment if necessary)**

**13a. Does the proposal contain any Ideographic compatibility character(s)?**

No.

**13b. If YES, is the equivalent corresponding unified ideographic character(s) identified?**