

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

Doc Type: Working Group Document

Title: Revised proposal to encode Anatolian Hieroglyphs in the SMP of the UCS
Source: UC Berkeley Script Encoding Initiative (Universal Scripts Project)
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Status: Liaison Contribution
Action: For consideration by JTC1/SC2/WG2 and UTC
Replaces: N3236R (2007-05-01)
Date: 2012-05-02

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 and on their monumental inscriptions, the characters were used as text primarily for the related language Luwian; a few glosses in Urartian 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.

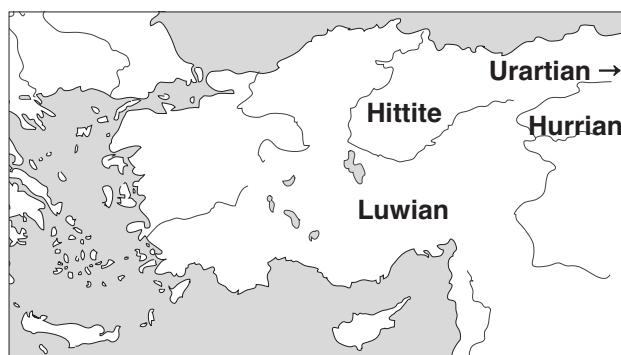


Figure 1. Anatolia, showing where the Luwian, Hittite, Urartian, and Hurrian languages were spoken.

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 *wawis* ‘cow’ for instance, the following spellings occur:

BOS	(BOS)wa/i-wa/i-sa	wa/i-wa/i-sa	BOS-wa/i-sa

Characters may be written left-to-right or right-to-left, and texts longer than two lines are mostly boustrophedon; as with Egyptian, one reads a line into the faces of the people and animals. Lines are often divided from one another by horizontal rules. Within a line, characters are written in vertical columns, mostly from top to bottom, 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. (See Figure 1.)

3. Punctuation and spacing. In some texts, word division is indicated with the use of U+145A5
܀܁܂ ANATOLIAN HIEROGLYPH A386 or its variant U+145A6܁܂ ANATOLIAN HIEROGLYPH A386A.

To mark logograms, the characters U+145BE ⚈ ANATOLIAN HIEROGLYPH A410 BEGIN LOGOGRAM MARK and U+145BF ⚉ ANATOLIAN HIEROGLYPH A410A END LOGOGRAM MARK are optionally used, flanking the logogram as in ⚈木⚉ ‘wood’; see Figure 2. (In Marazzi and Laroche A410 is given as a single character but it has been split into two in order to permit the two characters to flank logograms productively.)

The characters U+145E7 ՞ ANATOLIAN HIEROGLYPH A450 (which occurs very frequently) and U+144E4 ՚ ANATOLIAN HIEROGLYPH A209 (which occurs much more rarely) are occasionally used in what looks like a “space-filler” function, often at 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+145A2 ՞\ ANATOLIAN HIEROGLYPH COMBINING MARK A383 which attaches fairly productively to Anatolian characters (it always touches its base character).

4. Répertoire. 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. ဧ 183 is now known to be a variant of ❖ 423 which has a reading *ku*; ❖ 352, ❖ 353, ❖ 354, and (possibly) ❖ 519 are all variants of ❖ 345 (a 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 will certainly wish to avoid the use of the “redundant” characters, 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.

The characters and glyphs in this proposal largely reflect those found in Marazzi 1998, with some additions from Hawkins and Çambel 2000, particularly pp. 617–623. When a glyph was not included in Marazzi (such as *11), the shape is usually taken from Laroche (as U+1440B  ANATOLIAN HIEROGLYPH A011). In cases where a character may have different shape when used in its syllabic value (which often appears with a simplified glyph) *vis à vis* its logographic value, the glyph follows the logographic shape as shown in Marazzi pp. 34–67. (For example, *41 with the syllabic value *tà* has a wave shape, but its logographic use, for CAPERE, is a hand with thumb facing downward. The representative glyph is the hand with thumb facing down, U+1442A  ANATOLIAN HIEROGLYPH A041.) Fonts can provide alternate shapes.

A few characters are considered separate text elements by Marazzi, were not assigned separate catalog numbers by Laroche. These have nevertheless been separately proposed for encoding and are distinguished usually by an “A” or “B” after the first element’s character number. For example, U+145E8 𠂔 ANATOLIAN HIEROGLYPH A450A represents *a+ra/i* or *ra+a* and is composed of U+145E7 𠂓 ANATOLIAN HIEROGLYPH A450 (*a*) + U+145A2 𠂔 ANATOLIAN HIEROGLYPH A383. This applies to U+144E5 𠂔 ANATOLIAN HIEROGLYPH A209A, U+1456D 𠂔 ANATOLIAN HIEROGLYPH A336A [𠂔 A378 + 𠂔 A336], U+1456E 𠂔 ANATOLIAN HIEROGLYPH A336B, and U+14595 𠂔 ANATOLIAN HIEROGLYPH A371A. Those characters which are composed with 𠂔 A383 have been given canonical decompositions.

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 “Hieroglyphic Hittite” is a misnomer for the language, 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, even if this is clearly a syllabic system and “hieroglyphic” has often been used for a pictorial/logographic system.

5.2 The use of catalogue numbers. Catalogue numbers were assigned by Meriggi and Güterbock but these were superceded by the numbers 1 to 497 which Laroche assigned and published in 1960 in *Les hiéroglyphes 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 Annotations. Scholars traditionally use Latin names to describe the characters, and in some of them the Latin is supplemented with full stops and plus signs in order to assist identification. The full stop indicates a group in which the elements are separate (as in BOS.MI) and the plus sign indicates that the elements form a graphic unit (as in BOS+MI). Informative notes in the names list present these Latin glosses. In addition, characters may have one or more phonetic readings, so the readings are also presented in the notes. Though Latin names are capitalized and/or italicized in the handbooks, lowercase is maintained due to naming conventions for the annotations. The subscript “x” is identified in the annotations as “-x”, as in the annotation “= syllabic ha-x” for U+14553 ANATOLIAN HIEROGLYPH A314.

Some annotations list the character elements used in its graphic appearance. For example, U+14521 ANATOLIAN HIEROGLYPH A267 is identified as the Latin logogram STELE, but is actually composed of + LAPIS+SCALPRUM (the plus indicates the two are graphically joined). Both STELE and LAPIS+SCALPRUM are included in the annotation. Some characters may just contain the elements that appear graphically, as in the character U+14510 ANATOLIAN HIEROGLYPH A250, which is annotated “MAGNUS.DOMUS”, indicating it is composed of two logograms (+ with the full stop indicating the two elements are not graphically joined), or a logogram with a syllabogram (U+144F9 ANATOLIAN HIEROGLYPH A227A, composed of URBS+li, +). These compositions are not decomposable.

5.4 Cross-references in the names list. The cross references indicate the relationship of variant characters to the main character, such as U+14403 ANATOLIAN HIEROGLYPH A004 > U+144E1 ANATOLIAN HIEROGLYPH A207. This kind of annotation provides vital information to the user of the names list, namely, guidance as to the proper character to use for a normalized text, since the variant forms have been deemed obsolete. This is essential information which should be retained in the names list.

5.5 Issues with Latin names and phonetic readings in the names list. Earlier drafts of this proposal received criticism regarding the annotations, and their use has been minimized here.

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, 12, 100, and 1000 have been proposed for encoding.

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. Glyphs. The fonts used in this proposal were designed by Michael Everson, based on glyphs in Massimiliano Marazzi, *Il Geroglifico Anatolico* (Napoli 1998) and on glyphs in Emmanuel Laroche, *Les Hiéroglyphes Hittites* (Paris 1960.).

9. 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. Eighty-three unassigned code positions are allocated at the end of the block against such additions.

10. Unicode Character Properties

14400;ANATOLIAN HIEROGLYPH A001;Lo;0;L;;;;;N;;;;;	14437;ANATOLIAN HIEROGLYPH A051;Lo;0;L;;;;;N;;;;;
14401;ANATOLIAN HIEROGLYPH A002;Lo;0;L;;;;;N;;;;;	14438;ANATOLIAN HIEROGLYPH A052;Lo;0;L;;;;;N;;;;;
14402;ANATOLIAN HIEROGLYPH A003;Lo;0;L;;;;;N;;;;;	14439;ANATOLIAN HIEROGLYPH A053;Lo;0;L;;;;;N;;;;;
14403;ANATOLIAN HIEROGLYPH A004;Lo;0;L;;;;;N;;;;;	1443A;ANATOLIAN HIEROGLYPH A054;Lo;0;L;;;;;N;;;;;
14404;ANATOLIAN HIEROGLYPH A005;Lo;0;L;;;;;N;;;;;	1443B;ANATOLIAN HIEROGLYPH A055;Lo;0;L;;;;;N;;;;;
14405;ANATOLIAN HIEROGLYPH A006;Lo;0;L;;;;;N;;;;;	1443C;ANATOLIAN HIEROGLYPH A056;Lo;0;L;;;;;N;;;;;
14406;ANATOLIAN HIEROGLYPH A007;Lo;0;L;;;;;N;;;;;	1443D;ANATOLIAN HIEROGLYPH A057;Lo;0;L;;;;;N;;;;;
14407;ANATOLIAN HIEROGLYPH A008;Lo;0;L;;;;;N;;;;;	1443E;ANATOLIAN HIEROGLYPH A058;Lo;0;L;;;;;N;;;;;
14408;ANATOLIAN HIEROGLYPH A009;Lo;0;L;;;;;N;;;;;	1443F;ANATOLIAN HIEROGLYPH A059;Lo;0;L;;;;;N;;;;;
14409;ANATOLIAN HIEROGLYPH A010;Lo;0;L;;;;;N;;;;;	14440;ANATOLIAN HIEROGLYPH A060;Lo;0;L;;;;;N;;;;;
1440A;ANATOLIAN HIEROGLYPH A010A;Lo;0;L;;;;;N;;;;;	14441;ANATOLIAN HIEROGLYPH A061;Lo;0;L;;;;;N;;;;;
1440B;ANATOLIAN HIEROGLYPH A011;Lo;0;L;;;;;N;;;;;	14442;ANATOLIAN HIEROGLYPH A062;Lo;0;L;;;;;N;;;;;
1440C;ANATOLIAN HIEROGLYPH A012;Lo;0;L;;;;;N;;;;;	14443;ANATOLIAN HIEROGLYPH A063;Lo;0;L;;;;;N;;;;;
1440D;ANATOLIAN HIEROGLYPH A013;Lo;0;L;;;;;N;;;;;	14444;ANATOLIAN HIEROGLYPH A064;Lo;0;L;;;;;N;;;;;
1440E;ANATOLIAN HIEROGLYPH A014;Lo;0;L;;;;;N;;;;;	14445;ANATOLIAN HIEROGLYPH A065;Lo;0;L;;;;;N;;;;;
1440F;ANATOLIAN HIEROGLYPH A015;Lo;0;L;;;;;N;;;;;	14446;ANATOLIAN HIEROGLYPH A066;Lo;0;L;;;;;N;;;;;
14410;ANATOLIAN HIEROGLYPH A016;Lo;0;L;;;;;N;;;;;	14447;ANATOLIAN HIEROGLYPH A066A;Lo;0;L;;;;;N;;;;;
14411;ANATOLIAN HIEROGLYPH A017;Lo;0;L;;;;;N;;;;;	14448;ANATOLIAN HIEROGLYPH A066B;Lo;0;L;;;;;N;;;;;
14412;ANATOLIAN HIEROGLYPH A018;Lo;0;L;;;;;N;;;;;	14449;ANATOLIAN HIEROGLYPH A067;Lo;0;L;;;;;N;;;;;
14413;ANATOLIAN HIEROGLYPH A019;Lo;0;L;;;;;N;;;;;	1444A;ANATOLIAN HIEROGLYPH A068;Lo;0;L;;;;;N;;;;;
14414;ANATOLIAN HIEROGLYPH A020;Lo;0;L;;;;;N;;;;;	1444B;ANATOLIAN HIEROGLYPH A069;Lo;0;L;;;;;N;;;;;
14415;ANATOLIAN HIEROGLYPH A021;Lo;0;L;;;;;N;;;;;	1444C;ANATOLIAN HIEROGLYPH A070;Lo;0;L;;;;;N;;;;;
14416;ANATOLIAN HIEROGLYPH A022;Lo;0;L;;;;;N;;;;;	1444D;ANATOLIAN HIEROGLYPH A071;Lo;0;L;;;;;N;;;;;
14417;ANATOLIAN HIEROGLYPH A023;Lo;0;L;;;;;N;;;;;	1444E;ANATOLIAN HIEROGLYPH A072;Lo;0;L;;;;;N;;;;;
14418;ANATOLIAN HIEROGLYPH A024;Lo;0;L;;;;;N;;;;;	1444F;ANATOLIAN HIEROGLYPH A073;Lo;0;L;;;;;N;;;;;
14419;ANATOLIAN HIEROGLYPH A025;Lo;0;L;;;;;N;;;;;	14450;ANATOLIAN HIEROGLYPH A074;Lo;0;L;;;;;N;;;;;
1441A;ANATOLIAN HIEROGLYPH A026;Lo;0;L;;;;;N;;;;;	14451;ANATOLIAN HIEROGLYPH A075;Lo;0;L;;;;;N;;;;;
1441B;ANATOLIAN HIEROGLYPH A027;Lo;0;L;;;;;N;;;;;	14452;ANATOLIAN HIEROGLYPH A076;Lo;0;L;;;;;N;;;;;
1441C;ANATOLIAN HIEROGLYPH A028;Lo;0;L;;;;;N;;;;;	14453;ANATOLIAN HIEROGLYPH A077;Lo;0;L;;;;;N;;;;;
1441D;ANATOLIAN HIEROGLYPH A029;Lo;0;L;;;;;N;;;;;	14454;ANATOLIAN HIEROGLYPH A078;Lo;0;L;;;;;N;;;;;
1441E;ANATOLIAN HIEROGLYPH A030;Lo;0;L;;;;;N;;;;;	14455;ANATOLIAN HIEROGLYPH A079;Lo;0;L;;;;;N;;;;;
1441F;ANATOLIAN HIEROGLYPH A031;Lo;0;L;;;;;N;;;;;	14456;ANATOLIAN HIEROGLYPH A080;Lo;0;L;;;;;N;;;;;
14420;ANATOLIAN HIEROGLYPH A032;Lo;0;L;;;;;N;;;;;	14457;ANATOLIAN HIEROGLYPH A081;Lo;0;L;;;;;N;;;;;
14421;ANATOLIAN HIEROGLYPH A033;Lo;0;L;;;;;N;;;;;	14458;ANATOLIAN HIEROGLYPH A082;Lo;0;L;;;;;N;;;;;
14422;ANATOLIAN HIEROGLYPH A034;Lo;0;L;;;;;N;;;;;	14459;ANATOLIAN HIEROGLYPH A083;Lo;0;L;;;;;N;;;;;
14423;ANATOLIAN HIEROGLYPH A035;Lo;0;L;;;;;N;;;;;	1445A;ANATOLIAN HIEROGLYPH A084;Lo;0;L;;;;;N;;;;;
14424;ANATOLIAN HIEROGLYPH A036;Lo;0;L;;;;;N;;;;;	1445B;ANATOLIAN HIEROGLYPH A085;Lo;0;L;;;;;N;;;;;
14425;ANATOLIAN HIEROGLYPH A037;Lo;0;L;;;;;N;;;;;	1445C;ANATOLIAN HIEROGLYPH A086;Lo;0;L;;;;;N;;;;;
14426;ANATOLIAN HIEROGLYPH A038;Lo;0;L;;;;;N;;;;;	1445D;ANATOLIAN HIEROGLYPH A087;Lo;0;L;;;;;N;;;;;
14427;ANATOLIAN HIEROGLYPH A039;Lo;0;L;;;;;N;;;;;	1445E;ANATOLIAN HIEROGLYPH A088;Lo;0;L;;;;;N;;;;;
14428;ANATOLIAN HIEROGLYPH A039A;Lo;0;L;;;;;N;;;;;	1445F;ANATOLIAN HIEROGLYPH A089;Lo;0;L;;;;;N;;;;;
14429;ANATOLIAN HIEROGLYPH A040;Lo;0;L;;;;;N;;;;;	14460;ANATOLIAN HIEROGLYPH A090;Lo;0;L;;;;;N;;;;;
1442A;ANATOLIAN HIEROGLYPH A041;Lo;0;L;;;;;N;;;;;	14461;ANATOLIAN HIEROGLYPH A091;Lo;0;L;;;;;N;;;;;
1442B;ANATOLIAN HIEROGLYPH A042;Lo;0;L;;;;;N;;;;;	14462;ANATOLIAN HIEROGLYPH A092;Lo;0;L;;;;;N;;;;;
1442C;ANATOLIAN HIEROGLYPH A043;Lo;0;L;;;;;N;;;;;	14463;ANATOLIAN HIEROGLYPH A093;Lo;0;L;;;;;N;;;;;
1442D;ANATOLIAN HIEROGLYPH A044;Lo;0;L;;;;;N;;;;;	14464;ANATOLIAN HIEROGLYPH A094;Lo;0;L;;;;;N;;;;;
1442E;ANATOLIAN HIEROGLYPH A045;Lo;0;L;;;;;N;;;;;	14465;ANATOLIAN HIEROGLYPH A095;Lo;0;L;;;;;N;;;;;
1442F;ANATOLIAN HIEROGLYPH A045A;Lo;0;L;;;;;N;;;;;	14466;ANATOLIAN HIEROGLYPH A096;Lo;0;L;;;;;N;;;;;
14430;ANATOLIAN HIEROGLYPH A046;Lo;0;L;;;;;N;;;;;	14467;ANATOLIAN HIEROGLYPH A097;Lo;0;L;;;;;N;;;;;
14431;ANATOLIAN HIEROGLYPH A046A;Lo;0;L;;;;;N;;;;;	14468;ANATOLIAN HIEROGLYPH A097A;Lo;0;L;;;;;N;;;;;
14432;ANATOLIAN HIEROGLYPH A046B;Lo;0;L;;;;;N;;;;;	14469;ANATOLIAN HIEROGLYPH A098;Lo;0;L;;;;;N;;;;;
14433;ANATOLIAN HIEROGLYPH A047;Lo;0;L;;;;;N;;;;;	1446A;ANATOLIAN HIEROGLYPH A098A;Lo;0;L;;;;;N;;;;;
14434;ANATOLIAN HIEROGLYPH A048;Lo;0;L;;;;;N;;;;;	1446B;ANATOLIAN HIEROGLYPH A099;Lo;0;L;;;;;N;;;;;
14435;ANATOLIAN HIEROGLYPH A049;Lo;0;L;;;;;N;;;;;	1446C;ANATOLIAN HIEROGLYPH A100;Lo;0;L;;;;;N;;;;;
14436;ANATOLIAN HIEROGLYPH A050;Lo;0;L;;;;;N;;;;;	1446D;ANATOLIAN HIEROGLYPH A101;Lo;0;L;;;;;N;;;;;

145B9;ANATOLIAN HIEROGLYPH A405;Lo;0;L;;;;;N;;;;;
 145BA;ANATOLIAN HIEROGLYPH A406;Lo;0;L;;;;;N;;;;;
 145BC;ANATOLIAN HIEROGLYPH A407;Lo;0;L;;;;;N;;;;;
 145BD;ANATOLIAN HIEROGLYPH A408;Lo;0;L;;;;;N;;;;;
 145BE;ANATOLIAN HIEROGLYPH A409;Lo;0;L;;;;;N;;;;;
 145BF;ANATOLIAN HIEROGLYPH A410 BEGIN LOGOGRAM
 MARK;Lo;0;L;;;;;N;;;;;
 145C0;ANATOLIAN HIEROGLYPH A411;Lo;0;L;;;;;N;;;;;
 145C1;ANATOLIAN HIEROGLYPH A412;Lo;0;L;;;;;N;;;;;
 145C2;ANATOLIAN HIEROGLYPH A413;Lo;0;L;;;;;N;;;;;
 145C3;ANATOLIAN HIEROGLYPH A414;Lo;0;L;;;;;N;;;;;
 145C4;ANATOLIAN HIEROGLYPH A415;Lo;0;L;;;;;N;;;;;
 145C5;ANATOLIAN HIEROGLYPH A416;Lo;0;L;;;;;N;;;;;
 145C6;ANATOLIAN HIEROGLYPH A417;Lo;0;L;;;;;N;;;;;
 145C7;ANATOLIAN HIEROGLYPH A418;Lo;0;L;;;;;N;;;;;
 145C8;ANATOLIAN HIEROGLYPH A419;Lo;0;L;;;;;N;;;;;
 145C9;ANATOLIAN HIEROGLYPH A420;Lo;0;L;;;;;N;;;;;
 145CA;ANATOLIAN HIEROGLYPH A421;Lo;0;L;;;;;N;;;;;
 145CB;ANATOLIAN HIEROGLYPH A422;Lo;0;L;;;;;N;;;;;
 145CC;ANATOLIAN HIEROGLYPH A423;Lo;0;L;;;;;N;;;;;
 145CD;ANATOLIAN HIEROGLYPH A424;Lo;0;L;;;;;N;;;;;
 145CE;ANATOLIAN HIEROGLYPH A425;Lo;0;L;;;;;N;;;;;
 145CF;ANATOLIAN HIEROGLYPH A426;Lo;0;L;;;;;N;;;;;
 145D0;ANATOLIAN HIEROGLYPH A427;Lo;0;L;;;;;N;;;;;
 145D1;ANATOLIAN HIEROGLYPH A428;Lo;0;L;;;;;N;;;;;
 145D2;ANATOLIAN HIEROGLYPH A429;Lo;0;L;;;;;N;;;;;
 145D3;ANATOLIAN HIEROGLYPH A430;Lo;0;L;;;;;N;;;;;
 145D4;ANATOLIAN HIEROGLYPH A431;Lo;0;L;;;;;N;;;;;
 145D5;ANATOLIAN HIEROGLYPH A432;Lo;0;L;;;;;N;;;;;
 145D6;ANATOLIAN HIEROGLYPH A433;Lo;0;L;;;;;N;;;;;
 145D7;ANATOLIAN HIEROGLYPH A434;Lo;0;L;;;;;N;;;;;
 145D8;ANATOLIAN HIEROGLYPH A435;Lo;0;L;;;;;N;;;;;
 145D9;ANATOLIAN HIEROGLYPH A436;Lo;0;L;;;;;N;;;;;
 145DA;ANATOLIAN HIEROGLYPH A437;Lo;0;L;;;;;N;;;;;
 145DB;ANATOLIAN HIEROGLYPH A438;Lo;0;L;;;;;N;;;;;
 145DC;ANATOLIAN HIEROGLYPH A439;Lo;0;L;;;;;N;;;;;
 145DD;ANATOLIAN HIEROGLYPH A440;Lo;0;L;;;;;N;;;;;
 145DE;ANATOLIAN HIEROGLYPH A441;Lo;0;L;;;;;N;;;;;
 145DF;ANATOLIAN HIEROGLYPH A442;Lo;0;L;;;;;N;;;;;
 145E0;ANATOLIAN HIEROGLYPH A443;Lo;0;L;;;;;N;;;;;
 145E1;ANATOLIAN HIEROGLYPH A444;Lo;0;L;;;;;N;;;;;
 145E2;ANATOLIAN HIEROGLYPH A445;Lo;0;L;;;;;N;;;;;
 145E3;ANATOLIAN HIEROGLYPH A446;Lo;0;L;;;;;N;;;;;
 145E4;ANATOLIAN HIEROGLYPH A447;Lo;0;L;;;;;N;;;;;
 145E5;ANATOLIAN HIEROGLYPH A448;Lo;0;L;;;;;N;;;;;
 145E6;ANATOLIAN HIEROGLYPH A449;Lo;0;L;;;;;N;;;;;
 145E7;ANATOLIAN HIEROGLYPH A450;Lo;0;L;;;;;N;;;;;
 145E8;ANATOLIAN HIEROGLYPH A450A;Lo;0;L;145E7
 145A2;;;;N;;;;;
 145E9;ANATOLIAN HIEROGLYPH A451;Lo;0;L;;;;;N;;;;;
 145EA;ANATOLIAN HIEROGLYPH A452;Lo;0;L;;;;;N;;;;;
 145EB;ANATOLIAN HIEROGLYPH A453;Lo;0;L;;;;;N;;;;;
 145EC;ANATOLIAN HIEROGLYPH A454;Lo;0;L;;;;;N;;;;;
 145ED;ANATOLIAN HIEROGLYPH A455;Lo;0;L;;;;;N;;;;;
 145EE;ANATOLIAN HIEROGLYPH A456;Lo;0;L;;;;;N;;;;;
 145EF;ANATOLIAN HIEROGLYPH A457;Lo;0;L;;;;;N;;;;;
 145F0;ANATOLIAN HIEROGLYPH A457A;Lo;0;L;;;;;N;;;;;
 145F1;ANATOLIAN HIEROGLYPH A458;Lo;0;L;;;;;N;;;;;
 145F2;ANATOLIAN HIEROGLYPH A459;Lo;0;L;;;;;N;;;;;
 145F3;ANATOLIAN HIEROGLYPH A460;Lo;0;L;;;;;N;;;;;
 145F4;ANATOLIAN HIEROGLYPH A461;Lo;0;L;;;;;N;;;;;
 145F5;ANATOLIAN HIEROGLYPH A462;Lo;0;L;;;;;N;;;;;
 145F6;ANATOLIAN HIEROGLYPH A463;Lo;0;L;;;;;N;;;;;
 145F7;ANATOLIAN HIEROGLYPH A464;Lo;0;L;;;;;N;;;;;
 145F8;ANATOLIAN HIEROGLYPH A465;Lo;0;L;;;;;N;;;;;
 145F9;ANATOLIAN HIEROGLYPH A466;Lo;0;L;;;;;N;;;;;
 145FA;ANATOLIAN HIEROGLYPH A467;Lo;0;L;;;;;N;;;;;
 145FB;ANATOLIAN HIEROGLYPH A468;Lo;0;L;;;;;N;;;;;
 145FC;ANATOLIAN HIEROGLYPH A469;Lo;0;L;;;;;N;;;;;
 145FD;ANATOLIAN HIEROGLYPH A470
 TWELVE;Lo;0;L;;;;;N;;;;;
 145FE;ANATOLIAN HIEROGLYPH A471;Lo;0;L;;;;;N;;;;;
 145FF;ANATOLIAN HIEROGLYPH A472;Lo;0;L;;;;;N;;;;;
 14600;ANATOLIAN HIEROGLYPH A473;Lo;0;L;;;;;N;;;;;
 14601;ANATOLIAN HIEROGLYPH A474;Lo;0;L;;;;;N;;;;;
 14602;ANATOLIAN HIEROGLYPH A475;Lo;0;L;;;;;N;;;;;
 14603;ANATOLIAN HIEROGLYPH A476;Lo;0;L;;;;;N;;;;;
 14604;ANATOLIAN HIEROGLYPH A477;Lo;0;L;;;;;N;;;;;
 14605;ANATOLIAN HIEROGLYPH A478;Lo;0;L;;;;;N;;;;;
 14606;ANATOLIAN HIEROGLYPH A479;Lo;0;L;;;;;N;;;;;
 14607;ANATOLIAN HIEROGLYPH A480;Lo;0;L;;;;;N;;;;;
 14608;ANATOLIAN HIEROGLYPH A481;Lo;0;L;;;;;N;;;;;
 14609;ANATOLIAN HIEROGLYPH A482;Lo;0;L;;;;;N;;;;;
 1460A;ANATOLIAN HIEROGLYPH A483;Lo;0;L;;;;;N;;;;;
 1460B;ANATOLIAN HIEROGLYPH A484;Lo;0;L;;;;;N;;;;;
 1460C;ANATOLIAN HIEROGLYPH A485;Lo;0;L;;;;;N;;;;;
 1460D;ANATOLIAN HIEROGLYPH A486;Lo;0;L;;;;;N;;;;;
 1460E;ANATOLIAN HIEROGLYPH A487;Lo;0;L;;;;;N;;;;;
 1460F;ANATOLIAN HIEROGLYPH A488;Lo;0;L;;;;;N;;;;;
 14610;ANATOLIAN HIEROGLYPH A489;Lo;0;L;;;;;N;;;;;
 14611;ANATOLIAN HIEROGLYPH A490;Lo;0;L;;;;;N;;;;;
 14612;ANATOLIAN HIEROGLYPH A491;Lo;0;L;;;;;N;;;;;
 14613;ANATOLIAN HIEROGLYPH A492;Lo;0;L;;;;;N;;;;;
 14614;ANATOLIAN HIEROGLYPH A493;Lo;0;L;;;;;N;;;;;
 14615;ANATOLIAN HIEROGLYPH A494;Lo;0;L;;;;;N;;;;;
 14616;ANATOLIAN HIEROGLYPH A495;Lo;0;L;;;;;N;;;;;
 14617;ANATOLIAN HIEROGLYPH A496;Lo;0;L;;;;;N;;;;;
 14618;ANATOLIAN HIEROGLYPH A497;Lo;0;L;;;;;N;;;;;
 14619;ANATOLIAN HIEROGLYPH A501;Lo;0;L;;;;;N;;;;;
 1461A;ANATOLIAN HIEROGLYPH A502;Lo;0;L;;;;;N;;;;;
 1461B;ANATOLIAN HIEROGLYPH A503;Lo;0;L;;;;;N;;;;;
 1461C;ANATOLIAN HIEROGLYPH A504;Lo;0;L;;;;;N;;;;;
 1461D;ANATOLIAN HIEROGLYPH A505;Lo;0;L;;;;;N;;;;;
 1461E;ANATOLIAN HIEROGLYPH A506;Lo;0;L;;;;;N;;;;;
 1461F;ANATOLIAN HIEROGLYPH A507;Lo;0;L;;;;;N;;;;;
 14620;ANATOLIAN HIEROGLYPH A508;Lo;0;L;;;;;N;;;;;
 14621;ANATOLIAN HIEROGLYPH A509;Lo;0;L;;;;;N;;;;;
 14622;ANATOLIAN HIEROGLYPH A510;Lo;0;L;;;;;N;;;;;
 14623;ANATOLIAN HIEROGLYPH A511;Lo;0;L;;;;;N;;;;;
 14624;ANATOLIAN HIEROGLYPH A512;Lo;0;L;;;;;N;;;;;
 14625;ANATOLIAN HIEROGLYPH A513;Lo;0;L;;;;;N;;;;;
 14626;ANATOLIAN HIEROGLYPH A514;Lo;0;L;;;;;N;;;;;
 14627;ANATOLIAN HIEROGLYPH A515;Lo;0;L;;;;;N;;;;;
 14628;ANATOLIAN HIEROGLYPH A516;Lo;0;L;;;;;N;;;;;
 14629;ANATOLIAN HIEROGLYPH A517;Lo;0;L;;;;;N;;;;;
 1462A;ANATOLIAN HIEROGLYPH A518;Lo;0;L;;;;;N;;;;;
 1462B;ANATOLIAN HIEROGLYPH A519;Lo;0;L;;;;;N;;;;;
 1462C;ANATOLIAN HIEROGLYPH A520;Lo;0;L;;;;;N;;;;;
 1462D;ANATOLIAN HIEROGLYPH A521;Lo;0;L;;;;;N;;;;;
 1462E;ANATOLIAN HIEROGLYPH A522;Lo;0;L;;;;;N;;;;;
 1462F;ANATOLIAN HIEROGLYPH A523;Lo;0;L;;;;;N;;;;;
 14630;ANATOLIAN HIEROGLYPH A524;Lo;0;L;;;;;N;;;;;

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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).

	1440	1441	1442	1443	1444	1445	1446	1447	1448	1449	144A	144B	144C	144D
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	144E	144F	1450	1451	1452	1453	1454	1455	1456	1457	1458	1459	145A
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	145B	145C	145D	145E	145F	1460	1461	1462	1463	1464	1465	1466	1467
0	𠂔	𠂎	𠂏	𠂐	𠂑	𠂓	𠂔	𠂕	𠂖	𠂗	𠂘	𠂙	𠂚
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2	𠂔	𠂎	𠂏	𠂐	𠂑	𠂓	𠂔	𠂕	𠂖	𠂗	𠂘	𠂙	𠂚
3	𠂔	𠂎	𠂏	𠂐	𠂑	𠂓	𠂔	𠂕	𠂖	𠂗	𠂘	𠂙	𠂚
4	𠂔	𠂎	𠂏	𠂐	𠂑	𠂓	𠂔	𠂕	𠂖	𠂗	𠂘	𠂙	𠂚
5	𠂔	𠂎	𠂏	𠂐	𠂑	𠂓	𠂔	𠂕	𠂖	𠂗	𠂘	𠂙	𠂚
6	𠂔	𠂎	𠂏	𠂐	𠂑	𠂓	𠂔	𠂕	𠂖	𠂗	𠂘	𠂙	𠂚
7	𠂔	𠂎	𠂏	𠂐	𠂑	𠂓	𠂔	𠂕	𠂖	𠂗	𠂘	𠂙	𠂚
8	𠂔	𠂎	𠂏	𠂐	𠂑	𠂓	𠂔	𠂕	𠂖	𠂗	𠂘	𠂙	𠂚
9	𠂔	𠂎	𠂏	𠂐	𠂑	𠂓	𠂔	𠂕	𠂖	𠂗	𠂘	𠂙	𠂚
A	𠂔	𠂎	𠂏	𠂐	𠂑	𠂓	𠂔	𠂕	𠂖	𠂗	𠂘	𠂙	𠂚
B	𠂔	𠂎	𠂏	𠂐	𠂑	𠂓	𠂔	𠂕	𠂖	𠂗	𠂘	𠂙	𠂚
C	𠂔	𠂎	𠂏	𠂐	𠂑	𠂓	𠂔	𠂕	𠂖	𠂗	𠂘	𠂙	𠂚
D	𠂔	𠂎	𠂏	𠂐	𠂑	𠂓	𠂔	𠂕	𠂖	𠂗	𠂘	𠂙	𠂚
E	𠂔	𠂎	𠂏	𠂐	𠂑	𠂓	𠂔	𠂕	𠂖	𠂗	𠂘	𠂙	𠂚
F	𠂔	𠂎	𠂏	𠂐	𠂑	𠂓	𠂔	𠂕	𠂖	𠂗	𠂘	𠂙	𠂚

In the names list, most of the comments are in Latin. Those which have a Luwian phonetic value are identified as syllabic. Cross references point from a variant character to the main character which should be used in normalized texts.

A. The human body and clothing

14400		ANATOLIAN HIEROGLYPH A001 = ego
14401		ANATOLIAN HIEROGLYPH A002 = ego2 → 14400 anatolian hieroglyph a001
14402		ANATOLIAN HIEROGLYPH A003
14403		ANATOLIAN HIEROGLYPH A004 = mons2 → 144E1 anatolian hieroglyph a207
14404		ANATOLIAN HIEROGLYPH A005
14405		ANATOLIAN HIEROGLYPH A006 = adorare
14406		ANATOLIAN HIEROGLYPH A007 = edere
14407		ANATOLIAN HIEROGLYPH A008 = bibere
14408		ANATOLIAN HIEROGLYPH A009 = amplecti
14409		ANATOLIAN HIEROGLYPH A010 = caput
1440A		ANATOLIAN HIEROGLYPH A010A = caput+scalprum
1440B		ANATOLIAN HIEROGLYPH A011
1440C		ANATOLIAN HIEROGLYPH A012 = statua
1440D		ANATOLIAN HIEROGLYPH A013 → 1440E anatolian hieroglyph a014
1440E		ANATOLIAN HIEROGLYPH A014 = prae = syllabic pari
1440F		ANATOLIAN HIEROGLYPH A015 = domina
14410		ANATOLIAN HIEROGLYPH A016 = magnus.domina
14411		ANATOLIAN HIEROGLYPH A017 = rex
14412		ANATOLIAN HIEROGLYPH A018 = magnus.rex
14413		ANATOLIAN HIEROGLYPH A019 = syllabic á
14414		ANATOLIAN HIEROGLYPH A020 = lituus+á, (lituus)á
14415		ANATOLIAN HIEROGLYPH A021 = heros
14416		ANATOLIAN HIEROGLYPH A022 = loqui
14417		ANATOLIAN HIEROGLYPH A023
14418		ANATOLIAN HIEROGLYPH A024 = lis
14419		ANATOLIAN HIEROGLYPH A025 = oculus
1441A		ANATOLIAN HIEROGLYPH A026 = frons
1441B		ANATOLIAN HIEROGLYPH A027 = libare
1441C		ANATOLIAN HIEROGLYPH A028 = fortis
1441D		ANATOLIAN HIEROGLYPH A029 = syllabic tá

1441E		ANATOLIAN HIEROGLYPH A030
1441F		ANATOLIAN HIEROGLYPH A031 = ligare, pugnus+pugnus
14420		ANATOLIAN HIEROGLYPH A032 = bracchium
14421		ANATOLIAN HIEROGLYPH A033
14422		ANATOLIAN HIEROGLYPH A034 = post
14423		ANATOLIAN HIEROGLYPH A035 = syllabic na
14424		ANATOLIAN HIEROGLYPH A036 = lituus+na
14425		ANATOLIAN HIEROGLYPH A037
14426		ANATOLIAN HIEROGLYPH A038
14427		ANATOLIAN HIEROGLYPH A039 = pugnus
14428		ANATOLIAN HIEROGLYPH A039A = pugnus+x
14429		ANATOLIAN HIEROGLYPH A040 → 14427 anatolian hieroglyph a039
1442A		ANATOLIAN HIEROGLYPH A041 = capere
1442B		ANATOLIAN HIEROGLYPH A042 = capere2.capere2 = syllabic ta-x?
1442C		ANATOLIAN HIEROGLYPH A043 = capere2
1442D		ANATOLIAN HIEROGLYPH A044 → 14427 anatolian hieroglyph a039 → 1443F anatolian hieroglyph a059
1442E		ANATOLIAN HIEROGLYPH A045 = infans, filius, frater
1442F		ANATOLIAN HIEROGLYPH A045A = filia
14430		ANATOLIAN HIEROGLYPH A046 = rex.infans, rex.filius
14431		ANATOLIAN HIEROGLYPH A046A = rex.filia
14432		ANATOLIAN HIEROGLYPH A046B = magnus.filia
14433		ANATOLIAN HIEROGLYPH A047
14434		ANATOLIAN HIEROGLYPH A048
14435		ANATOLIAN HIEROGLYPH A049 = syllabic a+tá, a-tá
14436		ANATOLIAN HIEROGLYPH A050
14437		ANATOLIAN HIEROGLYPH A051 = pugnus.urbs
14438		ANATOLIAN HIEROGLYPH A052 = manus.culter
14439		ANATOLIAN HIEROGLYPH A053 = manus+culter, ensis
1443A		ANATOLIAN HIEROGLYPH A054
1443B		ANATOLIAN HIEROGLYPH A055 = syllabic ni
1443C		ANATOLIAN HIEROGLYPH A056 = syllabic ká → 1443D anatolian hieroglyph a057
1443D		ANATOLIAN HIEROGLYPH A057 = infra, sub = syllabic ká
1443E		ANATOLIAN HIEROGLYPH A058 = cum
1443F		ANATOLIAN HIEROGLYPH A059 = manus

14440		ANATOLIAN HIEROGLYPH A060 → 1443F
14441		ANATOLIAN HIEROGLYPH A061
14442		ANATOLIAN HIEROGLYPH A062 = longus, manus+minus
14443		ANATOLIAN HIEROGLYPH A063 → 1443F
14444		ANATOLIAN HIEROGLYPH A064 → 1443F
14445		ANATOLIAN HIEROGLYPH A065 = ponere
14446		ANATOLIAN HIEROGLYPH A066 = dare
		= syllabic pi
14447		ANATOLIAN HIEROGLYPH A066A = mandare, dare.dare
14448		ANATOLIAN HIEROGLYPH A066B = mandare2
14449		ANATOLIAN HIEROGLYPH A067
1444A		ANATOLIAN HIEROGLYPH A068 → 14442
1444B		ANATOLIAN HIEROGLYPH A069 → 1443F
1444C		ANATOLIAN HIEROGLYPH A070 = super
1444D		ANATOLIAN HIEROGLYPH A071
1444E		ANATOLIAN HIEROGLYPH A072
1444F		ANATOLIAN HIEROGLYPH A073 = audire, auris+tu+mi
14450		ANATOLIAN HIEROGLYPH A074
14451		ANATOLIAN HIEROGLYPH A075
14452		ANATOLIAN HIEROGLYPH A076 → 144F2
14453		ANATOLIAN HIEROGLYPH A077
14454		ANATOLIAN HIEROGLYPH A078 = ala
14455		O ANATOLIAN HIEROGLYPH A079 = femina, mater
14456		ANATOLIAN HIEROGLYPH A080 = Sarma, Sarma2
14457		ANATOLIAN HIEROGLYPH A081 → 14456
14458		J ANATOLIAN HIEROGLYPH A082 = crus
		= syllabic ta6
14459		ANATOLIAN HIEROGLYPH A083 = crus+flumen
1445A		ANATOLIAN HIEROGLYPH A084 = crus2
1445B		ANATOLIAN HIEROGLYPH A085 = genuflectare
1445C		ANATOLIAN HIEROGLYPH A086 = crus.crus
1445D		ANATOLIAN HIEROGLYPH A087 → 1445C
1445E		ANATOLIAN HIEROGLYPH A088 → 1445F
1445F		ANATOLIAN HIEROGLYPH A089 = syllabic tu
14460		ANATOLIAN HIEROGLYPH A090 = pes
		= syllabic ti
14461		ANATOLIAN HIEROGLYPH A091 = pes.scala.rotae

14462		ANATOLIAN HIEROGLYPH A092 → 14461
14463		ANATOLIAN HIEROGLYPH A093 = pes2
14464		ANATOLIAN HIEROGLYPH A094 → 14461
14465		ANATOLIAN HIEROGLYPH A095 = pes2.pes2
14466		ANATOLIAN HIEROGLYPH A096 = pes2.pes

B. Animals

14467		ANATOLIAN HIEROGLYPH A097 = leo, bestia
14468		ANATOLIAN HIEROGLYPH A097A = leo2 → 14467
14469		A ANATOLIAN HIEROGLYPH A098 = canis
1446A		ANATOLIAN HIEROGLYPH A098A = canis2 → 14469 A anatolian hieroglyph a098
1446B		ANATOLIAN HIEROGLYPH A099 = equus
1446C		ANATOLIAN HIEROGLYPH A100 = asinus = syllabic ta
1446D		ANATOLIAN HIEROGLYPH A101 = asinus2
1446E		ANATOLIAN HIEROGLYPH A102 = cervus = syllabic rú
1446F		ANATOLIAN HIEROGLYPH A102A = cervus2 = syllabic rú → 1446E
14470		ANATOLIAN HIEROGLYPH A103 = cervus3 = syllabic rú
14471		E ANATOLIAN HIEROGLYPH A104 = capra = syllabic sà
14472		ANATOLIAN HIEROGLYPH A104A = capra2 → 14471 E anatolian hieroglyph a104
14473		ANATOLIAN HIEROGLYPH A104B = capra2a → 14471 E anatolian hieroglyph a104
14474		E ANATOLIAN HIEROGLYPH A105 = bos = syllabic u
14475		ANATOLIAN HIEROGLYPH A105A = bos2 → 14474 E anatolian hieroglyph a105
14476		ANATOLIAN HIEROGLYPH A106
14477		ANATOLIAN HIEROGLYPH A107 = bos+mi = syllabic mu
14478		E ANATOLIAN HIEROGLYPH A107A = bos.mi → 14477 E anatolian hieroglyph a107
14479		ANATOLIAN HIEROGLYPH A107B = bos2.mi → 14477 E anatolian hieroglyph a107

1447A		ANATOLIAN HIEROGLYPH A108 = cornu = sú
1447B		ANATOLIAN HIEROGLYPH A109 = vitellus = syllabic ma-x
1447C		ANATOLIAN HIEROGLYPH A110 = syllabic ma
1447D		ANATOLIAN HIEROGLYPH A111 = ovis, ovis2
1447E		ANATOLIAN HIEROGLYPH A112 = lingere = syllabic za4
1447F		ANATOLIAN HIEROGLYPH A113 → 1441A
14480		ANATOLIAN HIEROGLYPH A114 = lituus+u
14481		ANATOLIAN HIEROGLYPH A115 = lepus
14482		ANATOLIAN HIEROGLYPH A115A = lepus2 → 14481
14483		ANATOLIAN HIEROGLYPH A116 → 1446C
14484		ANATOLIAN HIEROGLYPH A117
14485		ANATOLIAN HIEROGLYPH A118
14486		ANATOLIAN HIEROGLYPH A119 → 1450C
14487		ANATOLIAN HIEROGLYPH A120 = gryllus
14488		ANATOLIAN HIEROGLYPH A121 = sphinx
14489		ANATOLIAN HIEROGLYPH A122
1448A		ANATOLIAN HIEROGLYPH A123
1448B		ANATOLIAN HIEROGLYPH A124 → 14482
1448C		ANATOLIAN HIEROGLYPH A125 = syllabic lí, li-x
1448D		ANATOLIAN HIEROGLYPH A125A = ungula
1448E		ANATOLIAN HIEROGLYPH A126 → 1448C
1448F		ANATOLIAN HIEROGLYPH A127
14490		ANATOLIAN HIEROGLYPH A128 = avis = zi4
14491		ANATOLIAN HIEROGLYPH A129
14492		ANATOLIAN HIEROGLYPH A130 = avis3
14493		ANATOLIAN HIEROGLYPH A131 = avis5
14494		ANATOLIAN HIEROGLYPH A132 = avis2
14495		ANATOLIAN HIEROGLYPH A133 = aquila, avis4 = syllabic ara/i
14496		ANATOLIAN HIEROGLYPH A134 = syllabic ara/i → 14495
14497		ANATOLIAN HIEROGLYPH A135 = avis-x
14498		ANATOLIAN HIEROGLYPH A136 → 1442C
14499		ANATOLIAN HIEROGLYPH A137 = libatio

1449A		ANATOLIAN HIEROGLYPH A138 = piscis
1449B		ANATOLIAN HIEROGLYPH A139
1449C		ANATOLIAN HIEROGLYPH A140
1449D		ANATOLIAN HIEROGLYPH A141
1449E		ANATOLIAN HIEROGLYPH A142
1449F		ANATOLIAN HIEROGLYPH A143 → 144EA
144A0		ANATOLIAN HIEROGLYPH A144
144A1		ANATOLIAN HIEROGLYPH A145
144A2		ANATOLIAN HIEROGLYPH A146
144A3		ANATOLIAN HIEROGLYPH A147
144A4		ANATOLIAN HIEROGLYPH A148 = Janus

C. Plants

144A5		ANATOLIAN HIEROGLYPH A149
144A6		ANATOLIAN HIEROGLYPH A150
144A7		ANATOLIAN HIEROGLYPH A151 = Telipinu
144A8		ANATOLIAN HIEROGLYPH A152
144A9		ANATOLIAN HIEROGLYPH A153 = syllabic nu
144AA		ANATOLIAN HIEROGLYPH A154
144AB		ANATOLIAN HIEROGLYPH A155
144AC		ANATOLIAN HIEROGLYPH A156
144AD		ANATOLIAN HIEROGLYPH A157
144AE		ANATOLIAN HIEROGLYPH A158
144AF		ANATOLIAN HIEROGLYPH A159
144B0		ANATOLIAN HIEROGLYPH A160 = vitis = syllabic wi
144B1		ANATOLIAN HIEROGLYPH A161
144B2		ANATOLIAN HIEROGLYPH A162
144B3		ANATOLIAN HIEROGLYPH A163
144B4		ANATOLIAN HIEROGLYPH A164
144B5		ANATOLIAN HIEROGLYPH A165 = bonus = syllabic wà/i
144B6		ANATOLIAN HIEROGLYPH A166 = syllabic wá/i
144B7		ANATOLIAN HIEROGLYPH A167 → 14477
144B8		ANATOLIAN HIEROGLYPH A168 → 14562
144B9		ANATOLIAN HIEROGLYPH A169 → 145A1
144BA		ANATOLIAN HIEROGLYPH A170 → 1444F
144BB		ANATOLIAN HIEROGLYPH A171
144BC		ANATOLIAN HIEROGLYPH A172 = syllabic ta5
144BD		ANATOLIAN HIEROGLYPH A173 = hastarius
144BE		ANATOLIAN HIEROGLYPH A174 = syllabic si
144BF		ANATOLIAN HIEROGLYPH A175 = lingua = syllabic la
144C0		ANATOLIAN HIEROGLYPH A176 = syllabic la+la
144C1		ANATOLIAN HIEROGLYPH A177 = lingua+clavus
144C2		ANATOLIAN HIEROGLYPH A178 = syllabic la+ra+a

- 144C3 ፩ ANATOLIAN HIEROGLYPH A179
= hordeum
= syllabic hwi-x
- 144C4 ፪ ANATOLIAN HIEROGLYPH A180
- 144C5 ፫ ANATOLIAN HIEROGLYPH A181
= panis
= syllabic pa-x

D. Nature

- 144C6 ፬ ANATOLIAN HIEROGLYPH A182
= caelum
- 144C7 ፭ ANATOLIAN HIEROGLYPH A183
→ 145CC ፯ anatolian hieroglyph a423
- 144C8 ፮ ANATOLIAN HIEROGLYPH A184
- 144C9 ፯ ANATOLIAN HIEROGLYPH A185
- 144CA ፱ ANATOLIAN HIEROGLYPH A186
→ 145E2 ፲ anatolian hieroglyph a445
- 144CB ፳ ANATOLIAN HIEROGLYPH A187
- 144CC 〇 ANATOLIAN HIEROGLYPH A188
- 144CD ፷ ANATOLIAN HIEROGLYPH A189
- 144CE ፹ ANATOLIAN HIEROGLYPH A190
= sol2
- 144CF ፻ ANATOLIAN HIEROGLYPH A191
= sol
- 144D0 ፻ ANATOLIAN HIEROGLYPH A192
= oriens
- 144D1 ፻ ANATOLIAN HIEROGLYPH A193
= luna
- 144D2 ፻ ANATOLIAN HIEROGLYPH A194
- 144D3 ፻ ANATOLIAN HIEROGLYPH A195
- 144D4 ፻ ANATOLIAN HIEROGLYPH A196
= Hatti
= syllabic há
- 144D5 ፻ ANATOLIAN HIEROGLYPH A197
= Hatti+li, Hattusili
- 144D6 ፻ ANATOLIAN HIEROGLYPH A198
- 144D7 ፻ ANATOLIAN HIEROGLYPH A199
= tonitrus
- 144D8 ፻ ANATOLIAN HIEROGLYPH A200
= fulgor
- 144D9 ፻ ANATOLIAN HIEROGLYPH A201
= terra, locus
= syllabic wa/i6
- 144DA ፻ ANATOLIAN HIEROGLYPH A202
= via+terra.scalprum
- 144DB ፻ ANATOLIAN HIEROGLYPH A202A
= via+terra+scalprum
- 144DC ፻ ANATOLIAN HIEROGLYPH A202B
= (deus)via+terra
- 144DD ፻ ANATOLIAN HIEROGLYPH A203
- 144DE ፻ ANATOLIAN HIEROGLYPH A204
= syllabic wa/i5
- 144DF ፻ ANATOLIAN HIEROGLYPH A205
- 144E0 ፻ ANATOLIAN HIEROGLYPH A206
- 144E1 ፻ ANATOLIAN HIEROGLYPH A207
= mons
= syllabic wa/i5
- 144E2 ፻ ANATOLIAN HIEROGLYPH A207A
= leo+mons.tu+leo
- 144E3 ፻ ANATOLIAN HIEROGLYPH A208
- 144E4 ፻ ANATOLIAN HIEROGLYPH A209
= syllabic i, i(a)
- 144E5 ፻ ANATOLIAN HIEROGLYPH A209A
= syllabic i+ra/i, ri+i
- 144E6 ፻ ANATOLIAN HIEROGLYPH A210
= syllabic ia
- 144E7 ፻ ANATOLIAN HIEROGLYPH A211

- 144E8 ፻ ANATOLIAN HIEROGLYPH A212
= flumen
- 144E9 ፻ ANATOLIAN HIEROGLYPH A213
→ 144E8 ፻ anatolian hieroglyph a212
- 144EA ፻ ANATOLIAN HIEROGLYPH A214
= syllabic ní
- 144EB ፻ ANATOLIAN HIEROGLYPH A215
= fons
= syllabic ha
- 144EC ፻ ANATOLIAN HIEROGLYPH A216
= fines
= syllabic arha
- 144ED ፻ ANATOLIAN HIEROGLYPH A216A
= fines+ha, arha
- 144EE ፻ ANATOLIAN HIEROGLYPH A217
- 144EF ፻ ANATOLIAN HIEROGLYPH A218
- 144F0 ፻ ANATOLIAN HIEROGLYPH A219
- 144F1 ፻ ANATOLIAN HIEROGLYPH A220
- 144F2 ፻ ANATOLIAN HIEROGLYPH A221
= via
- 144F3 ፻ ANATOLIAN HIEROGLYPH A222
→ 144F2 ፻ anatolian hieroglyph a221
- 144F4 ፻ ANATOLIAN HIEROGLYPH A223
= syllabic sa6
- 144F5 ፻ ANATOLIAN HIEROGLYPH A224
= syllabic ha? pa?

E. Buildings

- 144F6 ፻ ANATOLIAN HIEROGLYPH A225
= urbs
- 144F7 ፻ ANATOLIAN HIEROGLYPH A226
= Ishuwa
- 144F8 ፻ ANATOLIAN HIEROGLYPH A227
= urbs+ra/i?+li, urbs+ra/i?-li
- 144F9 ፻ ANATOLIAN HIEROGLYPH A227A
= urbs+li, urbs-li, Mursili
- 144FA ፻ ANATOLIAN HIEROGLYPH A228
= regio
- 144FB ፻ ANATOLIAN HIEROGLYPH A229
= syllabic mí.regio
- 144FC ፻ ANATOLIAN HIEROGLYPH A230
= syllabic tu4
- 144FD ፻ ANATOLIAN HIEROGLYPH A231
= castrum
- 144FE ፻ ANATOLIAN HIEROGLYPH A232
→ 144FD ፻ anatolian hieroglyph a231
- 144FF ፻ ANATOLIAN HIEROGLYPH A233
→ 144FD ፻ anatolian hieroglyph a231
- 14500 ፻ ANATOLIAN HIEROGLYPH A234
- 14501 ፻ ANATOLIAN HIEROGLYPH A235
= turris?
- 14502 ፻ ANATOLIAN HIEROGLYPH A236
= murus?
- 14503 ፻ ANATOLIAN HIEROGLYPH A237
= porta
- 14504 ፻ ANATOLIAN HIEROGLYPH A238
→ 14503 ፻ anatolian hieroglyph a237
- 14505 ፻ ANATOLIAN HIEROGLYPH A239
= porta2
- 14506 ፻ ANATOLIAN HIEROGLYPH A240
- 14507 ፻ ANATOLIAN HIEROGLYPH A241
= syllabic ki-x, ki4
- 14508 ፻ ANATOLIAN HIEROGLYPH A242
→ 145D5 ፻ anatolian hieroglyph a432
- 14509 ፻ ANATOLIAN HIEROGLYPH A243
= cubitum

1450A	☞ ANATOLIAN HIEROGLYPH A244 = aedificium	1452D	☞ ANATOLIAN HIEROGLYPH A278 = syllabic li
1450B	☞ ANATOLIAN HIEROGLYPH A245 = vacuus, aedificium+minus	1452E	☞ ANATOLIAN HIEROGLYPH A279
1450C	☞ ANATOLIAN HIEROGLYPH A246 = aedicare, aedificium.ponere	1452F	☞ ANATOLIAN HIEROGLYPH A280 = malleus = syllabic wa/i9
1450D	☞ ANATOLIAN HIEROGLYPH A247 = domus	14530	☞ ANATOLIAN HIEROGLYPH A281 = ascia
1450E	☞ ANATOLIAN HIEROGLYPH A248 = delere, domus+minus	14531	☞ ANATOLIAN HIEROGLYPH A282
1450F	☞ ANATOLIAN HIEROGLYPH A249 = deus.domus	14532	☞ ANATOLIAN HIEROGLYPH A283
14510	☞ ANATOLIAN HIEROGLYPH A250 = magnus.domus	14533	☞ ANATOLIAN HIEROGLYPH A284
14511	☞ ANATOLIAN HIEROGLYPH A251 = domus+x	14534	☞ ANATOLIAN HIEROGLYPH A285 = syllabic zu?, zuwa?
14512	☞ ANATOLIAN HIEROGLYPH A252 = domus+scala	14535	↑ ANATOLIAN HIEROGLYPH A286 = syllabic wa/i7
14513	☞ ANATOLIAN HIEROGLYPH A253 → 14512 ☞ anatolian hieroglyph a252	14536	☞ ANATOLIAN HIEROGLYPH A287 → 145B3 ☈ anatolian hieroglyph a399 hundred
14514	☞ ANATOLIAN HIEROGLYPH A254 = eunuchus2 → 14601 ☿ anatolian hieroglyph a474	14537	☞ ANATOLIAN HIEROGLYPH A288 = currus
14515	☞ ANATOLIAN HIEROGLYPH A255 = horreum	14538	☞ ANATOLIAN HIEROGLYPH A289 = auriga
14516	☞ ANATOLIAN HIEROGLYPH A256 → 14515 ☞ anatolian hieroglyph a255	14539	⊕ ANATOLIAN HIEROGLYPH A290 = syllabic hara/i
14517	☞ ANATOLIAN HIEROGLYPH A257 = argentum	1453A	⊗ ANATOLIAN HIEROGLYPH A291 = syllabic li
14518	☞ ANATOLIAN HIEROGLYPH A258 → 14517 ☛ anatolian hieroglyph a257	1453B	◎ ANATOLIAN HIEROGLYPH A292 = rota = syllabic hala/i
14519	☞ ANATOLIAN HIEROGLYPH A259	1453C	☞ ANATOLIAN HIEROGLYPH A293
1451A	☞ ANATOLIAN HIEROGLYPH A260 → 14517 ☛ anatolian hieroglyph a257	1453D	☞ ANATOLIAN HIEROGLYPH A294 = thronus, mensa
1451B	☞ ANATOLIAN HIEROGLYPH A261	1453E	☞ ANATOLIAN HIEROGLYPH A294A = thronus, mensa2 = Sarpa
1451C	☞ ANATOLIAN HIEROGLYPH A262	1453F	☞ ANATOLIAN HIEROGLYPH A295
1451D	☞ ANATOLIAN HIEROGLYPH A263	14540	ANATOLIAN HIEROGLYPH A296 = (deus)mons.Sarpa, (deus)mons.mensa
1451E	☞ ANATOLIAN HIEROGLYPH A264 = podium	14541	☞ ANATOLIAN HIEROGLYPH A297 → 14540 ☈ anatolian hieroglyph a296
1451F	☞ ANATOLIAN HIEROGLYPH A265	14542	↓ ANATOLIAN HIEROGLYPH A298 = thronus2
14520	☞ ANATOLIAN HIEROGLYPH A266 = pes.regio	14543	☞ ANATOLIAN HIEROGLYPH A299 = solium = syllabic i
14521	☞ ANATOLIAN HIEROGLYPH A267 = stele, lapis+scalprum	14544	☞ ANATOLIAN HIEROGLYPH A299A = syllabic ia
14522	☞ ANATOLIAN HIEROGLYPH A267A = lapis	14545	☞ ANATOLIAN HIEROGLYPH A300 = nepos
14523	☞ ANATOLIAN HIEROGLYPH A268 = scalprum	14546	☞ ANATOLIAN HIEROGLYPH A301 = lectus

F. Arms, tools, furniture, and other instruments

14524	↑ ANATOLIAN HIEROGLYPH A269 = exercitus	14547	⊗ ANATOLIAN HIEROGLYPH A302 → 145B3 ☈ anatolian hieroglyph a399 hundred
14525	☞ ANATOLIAN HIEROGLYPH A270 → 1444C ☛ anatolian hieroglyph a070	14548	⊗ ANATOLIAN HIEROGLYPH A303 = syllabic sara/i?
14526	☞ ANATOLIAN HIEROGLYPH A271	14549	↑ ANATOLIAN HIEROGLYPH A304 = syllabic ma
14527	☞ ANATOLIAN HIEROGLYPH A272 = scutum	1454A	↑ ANATOLIAN HIEROGLYPH A305 = fusus
14528	☞ ANATOLIAN HIEROGLYPH A273	1454B	☛ ANATOLIAN HIEROGLYPH A306 = syllabic hi
14529	ANATOLIAN HIEROGLYPH A274	1454C	▼ ANATOLIAN HIEROGLYPH A307 = syllabic hu
1452A	☞ ANATOLIAN HIEROGLYPH A275	1454D	⊗ ANATOLIAN HIEROGLYPH A308
1452B	☞ ANATOLIAN HIEROGLYPH A276 = frater2	1454E	↑ ANATOLIAN HIEROGLYPH A309 = crux
1452C	☞ ANATOLIAN HIEROGLYPH A277 = iustitia.la, iudex.la, iudex+la		

1454F		ANATOLIAN HIEROGLYPH A310 → 144D9
14550		ANATOLIAN HIEROGLYPH A311
14551		ANATOLIAN HIEROGLYPH A312 → 14552
14552		ANATOLIAN HIEROGLYPH A313 = vir = syllabic zí
14553		ANATOLIAN HIEROGLYPH A314 = syllabic ha-x
14554		ANATOLIAN HIEROGLYPH A315 = syllabic kar
14555		ANATOLIAN HIEROGLYPH A316 = syllabic sa7
14556		ANATOLIAN HIEROGLYPH A317
14557		ANATOLIAN HIEROGLYPH A318 = Teshub
14558		ANATOLIAN HIEROGLYPH A319 = syllabic ta4, li-x?
14559		ANATOLIAN HIEROGLYPH A320 → 144B5
1455A		ANATOLIAN HIEROGLYPH A321
1455B		ANATOLIAN HIEROGLYPH A322 = purus
1455C		ANATOLIAN HIEROGLYPH A323 → 1455B
1455D		ANATOLIAN HIEROGLYPH A324
1455E		ANATOLIAN HIEROGLYPH A325 = syllabic tú
1455F		ANATOLIAN HIEROGLYPH A326 = scriba = syllabic tú
14560		ANATOLIAN HIEROGLYPH A327 = sigillum = syllabic sa5
14561		ANATOLIAN HIEROGLYPH A328 = syllabic pu
14562		ANATOLIAN HIEROGLYPH A329 = relative = syllabic kwi/a
14563		ANATOLIAN HIEROGLYPH A329A → 14620
14564		ANATOLIAN HIEROGLYPH A330 = capere+scalprum
14565		ANATOLIAN HIEROGLYPH A331 = avus
14566		ANATOLIAN HIEROGLYPH A332A = negative
14567		ANATOLIAN HIEROGLYPH A332B = negative2 = syllabic ná
14568		ANATOLIAN HIEROGLYPH A332C = negative3

G. Vases and receptacles

14569		ANATOLIAN HIEROGLYPH A333
1456A		ANATOLIAN HIEROGLYPH A334 = syllabic pa
1456B		ANATOLIAN HIEROGLYPH A335 = syllabic zá
1456C		ANATOLIAN HIEROGLYPH A336 = annus, pithos, scutella, pithos = syllabic zí
1456D		ANATOLIAN HIEROGLYPH A336A = pithos+lituus = syllabic zà

1456E		ANATOLIAN HIEROGLYPH A336B = syllabic za-x
1456F		ANATOLIAN HIEROGLYPH A337 = pithos
14570		ANATOLIAN HIEROGLYPH A338 = culter
14571		ANATOLIAN HIEROGLYPH A339 → 14558
14572		ANATOLIAN HIEROGLYPH A340 = annus+annus
14573		ANATOLIAN HIEROGLYPH A341 = vas
14574		ANATOLIAN HIEROGLYPH A342 → 1454C
14575		ANATOLIAN HIEROGLYPH A343
14576		ANATOLIAN HIEROGLYPH A344 = contractus
14577		ANATOLIAN HIEROGLYPH A345 = urceus
14578		ANATOLIAN HIEROGLYPH A346 = poculum
14579		ANATOLIAN HIEROGLYPH A347 = syllabic hú
1457A		ANATOLIAN HIEROGLYPH A348 → 1457B
1457B		ANATOLIAN HIEROGLYPH A349
1457C		ANATOLIAN HIEROGLYPH A350
1457D		ANATOLIAN HIEROGLYPH A351
1457E		ANATOLIAN HIEROGLYPH A352 → 14577
1457F		ANATOLIAN HIEROGLYPH A353 → 14577
14580		ANATOLIAN HIEROGLYPH A354 → 14577
14581		ANATOLIAN HIEROGLYPH A355 = sacerdos
14582		ANATOLIAN HIEROGLYPH A356
14583		ANATOLIAN HIEROGLYPH A357
14584		ANATOLIAN HIEROGLYPH A358 = dies
14585		ANATOLIAN HIEROGLYPH A359 → 1450B → 14584
14586		ANATOLIAN HIEROGLYPH A359A

H. Symbols

14587		ANATOLIAN HIEROGLYPH A360 = deus
14588		ANATOLIAN HIEROGLYPH A361
14589		ANATOLIAN HIEROGLYPH A362 = syllabic má
1458A		ANATOLIAN HIEROGLYPH A363 = magnus = syllabic ur
1458B		ANATOLIAN HIEROGLYPH A364 = syllabic u → 14474
1458C		ANATOLIAN HIEROGLYPH A364A = syllabic mu → 14477
1458D		ANATOLIAN HIEROGLYPH A365
1458E		ANATOLIAN HIEROGLYPH A366 = omnis
1458F		ANATOLIAN HIEROGLYPH A367 = syllabic tal

14590		ANATOLIAN HIEROGLYPH A368 = malus	145B2		ANATOLIAN HIEROGLYPH A398
14591		ANATOLIAN HIEROGLYPH A368A = malus2	145B3		ANATOLIAN HIEROGLYPH A399 HUNDRED = centum
14592		ANATOLIAN HIEROGLYPH A369 = vita	145B4		ANATOLIAN HIEROGLYPH A400 THOUSAND = mille
14593		ANATOLIAN HIEROGLYPH A370 = bonus2	145B5		ANATOLIAN HIEROGLYPH A401 → 14604
		= syllabic su	145B6		ANATOLIAN HIEROGLYPH A402 = scutella
14594		ANATOLIAN HIEROGLYPH A371 = iustitia, iudex	145B7		ANATOLIAN HIEROGLYPH A403
14595		ANATOLIAN HIEROGLYPH A371A = iudex+ra/i, tara/i-x	145B8		ANATOLIAN HIEROGLYPH A404 = animal
14596		ANATOLIAN HIEROGLYPH A372 = sacerdos2	145B9		ANATOLIAN HIEROGLYPH A405
14597		ANATOLIAN HIEROGLYPH A373	145BA		ANATOLIAN HIEROGLYPH A406
14598		ANATOLIAN HIEROGLYPH A374	145BB		ANATOLIAN HIEROGLYPH A407
14599		ANATOLIAN HIEROGLYPH A375	145BC		ANATOLIAN HIEROGLYPH A408 → 14455
1459A		ANATOLIAN HIEROGLYPH A376 = syllabic zi, zi/a	145BD		ANATOLIAN HIEROGLYPH A409
1459B		ANATOLIAN HIEROGLYPH A377 = syllabic za	145BE		ANATOLIAN HIEROGLYPH A410 BEGIN LOGOGRAM MARK
1459C		ANATOLIAN HIEROGLYPH A378 = lituus	145BF		ANATOLIAN HIEROGLYPH A410A END LOGOGRAM MARK
1459D		ANATOLIAN HIEROGLYPH A379 = occidens	145C0		ANATOLIAN HIEROGLYPH A411 = syllabic ni
		= syllabic ia	145C1		ANATOLIAN HIEROGLYPH A412 = syllabic ru

J. Lines, numbers, and geometric shapes

1459E		ANATOLIAN HIEROGLYPH A380 ONE = unus	145C2		ANATOLIAN HIEROGLYPH A413 = syllabic hi
1459F		ANATOLIAN HIEROGLYPH A381 = minus	145C3		ANATOLIAN HIEROGLYPH A414
145A0		ANATOLIAN HIEROGLYPH A381A = mori, vir2.minus	145C4		ANATOLIAN HIEROGLYPH A415 = syllabic sa
145A1		ANATOLIAN HIEROGLYPH A382 = lignum	145C5		ANATOLIAN HIEROGLYPH A416 → 14558
145A2		ANATOLIAN HIEROGLYPH A383 COMBINING RA OR RI	145C6		ANATOLIAN HIEROGLYPH A417 = syllabic sa-x
145A3		ANATOLIAN HIEROGLYPH A384 TWO	145C7		ANATOLIAN HIEROGLYPH A418
145A4		ANATOLIAN HIEROGLYPH A385 TWO2	145C8		ANATOLIAN HIEROGLYPH A419 = syllabic mí
145A5		ANATOLIAN HIEROGLYPH A386 = vir2	145C9		ANATOLIAN HIEROGLYPH A420 → 145C8
		= word divider	145CA		ANATOLIAN HIEROGLYPH A421 = syllabic us
145A6		ANATOLIAN HIEROGLYPH A386A = vir2a	145CB		ANATOLIAN HIEROGLYPH A422 = panis.scutella
145A7		ANATOLIAN HIEROGLYPH A387 = servus	145CC		ANATOLIAN HIEROGLYPH A423 = syllabic ku
145A8		ANATOLIAN HIEROGLYPH A388 THREE = tara/i	145CD		ANATOLIAN HIEROGLYPH A424
145A9		ANATOLIAN HIEROGLYPH A389 = tara/i	145CE		ANATOLIAN HIEROGLYPH A425
145AA		ANATOLIAN HIEROGLYPH A390 = dominus	145CF		ANATOLIAN HIEROGLYPH A426
145AB		ANATOLIAN HIEROGLYPH A391 FOUR = syllabic mi	145D0		ANATOLIAN HIEROGLYPH A427
145AC		ANATOLIAN HIEROGLYPH A392 FIVE	145D1		ANATOLIAN HIEROGLYPH A428
145AD		ANATOLIAN HIEROGLYPH A393 EIGHT	145D2		ANATOLIAN HIEROGLYPH A429 = syllabic tana
145AE		ANATOLIAN HIEROGLYPH A394	145D3		ANATOLIAN HIEROGLYPH A430 = omnis2
145AF		ANATOLIAN HIEROGLYPH A395 NINE = syllabic nú			= syllabic pú
145B0		ANATOLIAN HIEROGLYPH A396	145D4		ANATOLIAN HIEROGLYPH A431
145B1		ANATOLIAN HIEROGLYPH A397 TEN = decem	145D5		ANATOLIAN HIEROGLYPH A432 = syllabic zu?

K. Varia

145D6		ANATOLIAN HIEROGLYPH A433 = syllabic sá
145D7		ANATOLIAN HIEROGLYPH A434 = syllabic ka

145D8	Ϙ	ANATOLIAN HIEROGLYPH A435 = syllabic a-x?
145D9	ϙ	ANATOLIAN HIEROGLYPH A436
145DA	ϙ	ANATOLIAN HIEROGLYPH A437
145DB	ϙ	ANATOLIAN HIEROGLYPH A438 = pastor
145DC	ϙ	ANATOLIAN HIEROGLYPH A439 = syllabic wa/i
145DD	ϙ	ANATOLIAN HIEROGLYPH A440
145DE	ϙ	ANATOLIAN HIEROGLYPH A441
145DF	ϙ	ANATOLIAN HIEROGLYPH A442
145E0	ϙ	ANATOLIAN HIEROGLYPH A443
145E1	ϙ	ANATOLIAN HIEROGLYPH A444 → 14408 ϙ anatolian hieroglyph a009
145E2	ϙ	ANATOLIAN HIEROGLYPH A445 = syllabic la, li, lu
145E3	ϙ	ANATOLIAN HIEROGLYPH A446 = syllabic ki
145E4	ϙ	ANATOLIAN HIEROGLYPH A447 = versus
145E5	ϙ	ANATOLIAN HIEROGLYPH A448 = syllabic ni-x
145E6	ϙ	ANATOLIAN HIEROGLYPH A449
145E7	ϙ	ANATOLIAN HIEROGLYPH A450 = syllabic a
145E8	ϙ	= end of a word
145E9	ϙ	ANATOLIAN HIEROGLYPH A450A = ar, ra
145EA	ϙ	ANATOLIAN HIEROGLYPH A451 = syllabic hur
145EB	ϙ	ANATOLIAN HIEROGLYPH A452
145EC	ϙ	ANATOLIAN HIEROGLYPH A453 → 144C3 ϙ anatolian hieroglyph a179
145ED	ϙ	ANATOLIAN HIEROGLYPH A454 → 144C3 ϙ anatolian hieroglyph a179
145ED	ϙ	ANATOLIAN HIEROGLYPH A455 = syllabic la-x
145EE	ϙ	ANATOLIAN HIEROGLYPH A456 = syllabic si?
145EF	ϙ	ANATOLIAN HIEROGLYPH A457 → 1448C ϙ anatolian hieroglyph a125
145F0	ϙ	ANATOLIAN HIEROGLYPH A457A
145F1	ϙ	ANATOLIAN HIEROGLYPH A458
145F2	ϙ	ANATOLIAN HIEROGLYPH A459
145F3	ϙ	ANATOLIAN HIEROGLYPH A460
145F4	ϙ	ANATOLIAN HIEROGLYPH A461
145F5	ϙ	ANATOLIAN HIEROGLYPH A462 = syllabic pá? ma-x?
145F6	ϙ	ANATOLIAN HIEROGLYPH A463
145F7	ϙ	ANATOLIAN HIEROGLYPH A464
145F8	ϙ	ANATOLIAN HIEROGLYPH A465 → 144CF ϙ anatolian hieroglyph a191
145F9	ϙ	ANATOLIAN HIEROGLYPH A466
145FA	ϙ	ANATOLIAN HIEROGLYPH A467 → 144CF ϙ anatolian hieroglyph a191
145FB	ϙ	ANATOLIAN HIEROGLYPH A468 → 145FC ϙ anatolian hieroglyph a469
145FC	ϙ	ANATOLIAN HIEROGLYPH A469
145FD	ϙ	ANATOLIAN HIEROGLYPH A470 TWELVE
145FE	ϙ	ANATOLIAN HIEROGLYPH A471
145FF	ϙ	ANATOLIAN HIEROGLYPH A472
14600	ϙ	ANATOLIAN HIEROGLYPH A473 → 14601 ϙ anatolian hieroglyph a474

14601	☒	ANATOLIAN HIEROGLYPH A474 = eunuchus
		→ 14514 ☒ anatolian hieroglyph a254
14602	☒	ANATOLIAN HIEROGLYPH A475
14603	♡	ANATOLIAN HIEROGLYPH A476
14604	ϙ	ANATOLIAN HIEROGLYPH A477 = flammæ?
14605	ϙ	ANATOLIAN HIEROGLYPH A478
14606	ϙ	ANATOLIAN HIEROGLYPH A479 → 14604 ϙ anatolian hieroglyph a477
14607	ϙ	ANATOLIAN HIEROGLYPH A480
14608	ϙ	ANATOLIAN HIEROGLYPH A481
14609	ϙ	ANATOLIAN HIEROGLYPH A482
1460A	ϙ	ANATOLIAN HIEROGLYPH A483
1460B	ϙ	ANATOLIAN HIEROGLYPH A484
1460C	ϙ	ANATOLIAN HIEROGLYPH A485
1460D	ϙ	ANATOLIAN HIEROGLYPH A486 = falx?
1460E	ϙ	ANATOLIAN HIEROGLYPH A487 → 14400 ϙ anatolian hieroglyph a001
1460F	ϙ	ANATOLIAN HIEROGLYPH A488 = syllabic tí
14610	ϙ	ANATOLIAN HIEROGLYPH A489
14611	ϙ	ANATOLIAN HIEROGLYPH A490
14612	ϙ	ANATOLIAN HIEROGLYPH A491
14613	ϙ	ANATOLIAN HIEROGLYPH A492
14614	ϙ	ANATOLIAN HIEROGLYPH A493
14615	ϙ	ANATOLIAN HIEROGLYPH A494
14616	ϙ	ANATOLIAN HIEROGLYPH A495
14617	ϙ	ANATOLIAN HIEROGLYPH A496
14618	ϙ	ANATOLIAN HIEROGLYPH A497

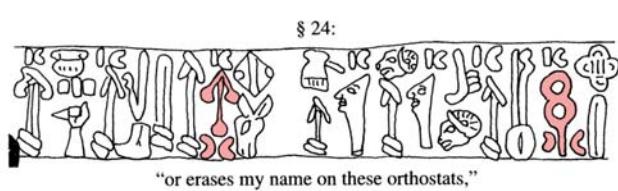
M. Additional signs

14619	ϙ	ANATOLIAN HIEROGLYPH A501
1461A	ϙ	ANATOLIAN HIEROGLYPH A502
1461B	ϙ	ANATOLIAN HIEROGLYPH A503
1461C	ϙ	ANATOLIAN HIEROGLYPH A504
1461D	ϙ	ANATOLIAN HIEROGLYPH A505
1461E	ϙ	ANATOLIAN HIEROGLYPH A506 = syllabic hana
1461F	ϙ	ANATOLIAN HIEROGLYPH A507
14620	ϙ	ANATOLIAN HIEROGLYPH A508 = syllabic hwi/a
14621	ϙ	ANATOLIAN HIEROGLYPH A509
14622	ϙ	ANATOLIAN HIEROGLYPH A510
14623	ϙ	ANATOLIAN HIEROGLYPH A511
14624	ϙ	ANATOLIAN HIEROGLYPH A512
14625	ϙ	ANATOLIAN HIEROGLYPH A513
14626	ϙ	ANATOLIAN HIEROGLYPH A514
14627	ϙ	ANATOLIAN HIEROGLYPH A515
14628	ϙ	ANATOLIAN HIEROGLYPH A516
14629	ϙ	ANATOLIAN HIEROGLYPH A517
1462A	ϙ	ANATOLIAN HIEROGLYPH A518 → 1447D ϙ anatolian hieroglyph a111
1462B	ϙ	ANATOLIAN HIEROGLYPH A519 → 14577 ϙ anatolian hieroglyph a345
1462C	ϙ	ANATOLIAN HIEROGLYPH A520
1462D	ϙ	ANATOLIAN HIEROGLYPH A521
1462E	ϙ	ANATOLIAN HIEROGLYPH A522
1462F	ϙ	ANATOLIAN HIEROGLYPH A523
14630	ϙ	ANATOLIAN HIEROGLYPH A524 = propheta?, cornu+caput

Figures



Figure 1. Sample of Luwian text from Payne 2004. Set as a sentence in a modern font it reads: **I** **W** **△** **UV** **⊕** **W** **⊕** **◆** **UV** **I** **C** **UV** **¶** **UV**. Set as in the inscription it reads:



NEG ₂ -pa-wa/i-tá napa = wa = ta or qpt. lpt.	z-a-a-ti-ia-za zati =anza on these d.pl.	(SCALPRUM')ku-ta-sa ₅ +ra/i-za kutasari =anza orthostats d.pl.
á-ma-za am(i) = an = za my a.sg.N npt.	á-ta ₅ -ma-za ataman = Ø = za name a.sg.N npt.	ARHA “MALLEUS”-la/i/u-i arha = i he erases 3.sg.prs.

Figure 2. Sample of Luwian text from Payne 2004, showing the logogram marks in two different configurations in 𠁧𠁪   ‘chisel’ (SCALPRUM) and 𠁧𠁩   ‘hammer’ (MALLEUS)

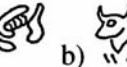
*102	<u>CERVUS</u> / a) CERVUS, b) CERVUS ₂ ; <i>rú</i>	a)  b) 
*103	<u>CERVUS₂</u> / CERVUS ₃ ; <i>rú</i>	
*104	<u>GAZELLA</u> / a) CAPRA, b) CAPRA ₂ , c) CAPRA _{2A} ; <i>sà</i>	a)  b)  c) 
*105	<u>BOS</u> / a) BOS b) BOS ₂ ; <i>u</i>	a)  b) 
*106	--	
*107 (*167)	a) BOS+MI, b) BOS.MI, c) BOS ₂ .MI; <i>mu</i>	a)  b)  c) 
*108	CORNU; <i>sú</i>	
*109	VITELLUS (<i>MA_x</i> in <i>MA_x-LI_x-zi</i> , 'Malatya')	
*110	<i>ma</i>	
*111 (*518?)	a) OVIS, b) OVIS ₂ (=*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.

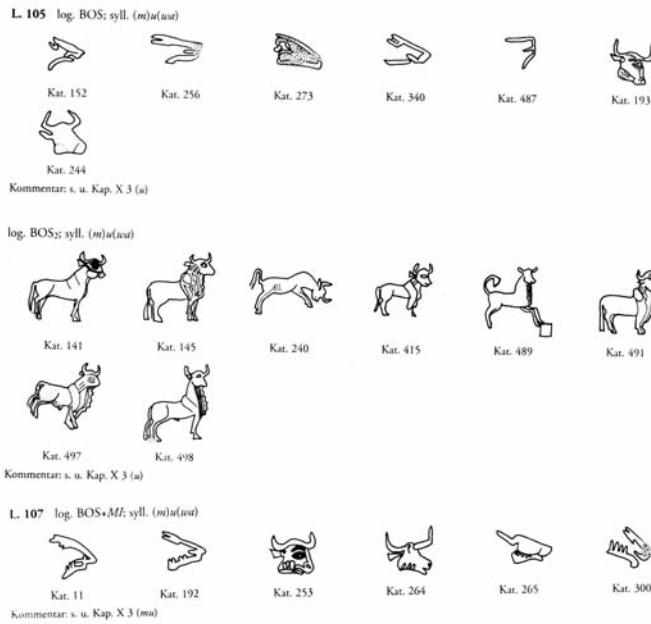


Figure 4. Sample from the sign list from Herbordt 2005, showing the readings “BOS”, “(m)u(wa)”, and “u” for A105; “BOS₂”, “(m)u(wa)”, and “u” for A105A, and “BOS+MI”, “(m)u(wa)”, and “mu” for A107.

mu (L. 107)

Occurrences. BOS: Kat. 18 (*Anani-*), 143 (*i(a) ... ni*), 146 (*i(a) ... ni*), 147 ([*i(a)] ... ni]), 148 (*i(a) ... [ni/n̄i]*), 149 (*i(a) ... ni*), 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-*).

BOS₂: Kat. 141 (*Ini-*), 142 (*I-ni-*), 144 (*i(a) ... ni*), 145 (*i(a) ... ni*), 234 (*Masa-*), 240 (*Mira-*), 259 (alone), 275 (-*zi/a-runtiya*), 276 (-*zi/a-runtiya*), 303 (*Pihasa-*), 415 (TONITRUS-), 417 (TONITRUS-), 523 (*zi/a ... la*).

BOS₂+MI: -

BOS₂.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/BOS₂, 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-Tesub*); Nişantepe 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.

A. Administrative

1. Title

Revised 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

2012-05-02

5. Requester's reference (if applicable)

6. Choose one of the following:

6a. This is a complete proposal

Yes.

6b. More information will be provided later

No.

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

561.

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. Is a repertoire including character names provided?

Yes.

4b. If YES, are the names in accordance with the “character naming guidelines” in Annex L of P&P document?

Yes.

4c. Are the character shapes attached in a legible form suitable for review?

Yes.

5a. Who will provide the appropriate computerized font (ordered preference: True Type, or PostScript format) for publishing the standard?

Michael Everson. Some of the glyphs used in the charts in this proposal were designed by Gunter Anders, <http://www.hethport.uni-wuerzburg.de/>

5b. If available now, identify source(s) for the font (include address, e-mail, ftp-site, etc.) and indicate the tools used:

Michael Everson, Fontographer and FontLab.

6a. Are references (to other character sets, dictionaries, descriptive texts etc.) provided?

Yes, see bibliography above.

6b. Are published examples of use (such as samples from newspapers, magazines, or other sources) of proposed characters attached?

Yes.

7. 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.

8. 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.

See above.

C. Technical – Justification

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

Yes. See N3144.

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 Murpuro Davies, Craig Melchert, Annick Payne.

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?