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

1. Summary. Efforts to encode Hieroglyphs in the UCS go back a long time; see Everson 1997, Everson 1999, Cook *et al* 2005. Most recently the authors have collaborated to create a source database called *UniKemet* containing 1191 characters from Gardiner's sign-lists and related sources, together with a font based on Bob Richmond's InScribe font which we have used to create the proposed code table given in this document, using the code table formatting tool Unibook (**http://www.unicode.org/ unibook**). In the process we have identified a number of issues that need to be resolved before a complete proposal can be submitted to the Standards committees involved (the Unicode Technical Committee and and ISO/IEC JTC1/SC2/WG2). A symposium on the use of IT in Egyptology took place at the same time as the last UTC in early August 2006. We attended the symposium, presented this document, and were successful in obtaining the needed input from attending Egyptologists. When amendments based on that feedback are applied in due course, this document will form the basis of the final proposal.

2. Introduction. Hieroglyphic writing seems to have appeared in Egypt at the end of the fourth millennium BCE. The writing system is pictographic: the glyphs represent tangible objects, most of which modern scholars have been able to identify; a great many of them are easily recognizable even to non-specialists. Egyptian Hieroglyphs represent people and animals, parts of the bodies of people and animals, clothing, tools, vessels, and so on. Hieroglyphs were used to write Egyptian for more than 3,000 years retaining characteristic features such as use of colour and detail in the more elaborated expositions. Throughout the Old Kingdom, the Middle Kingdom, and the New Kingdom, between 700 and 1,000 hieroglyphs were in regular use. During the Greco-Roman period, the number of variants, as distinguished by some modern scholars, grew to somewhere between 6,000 and 8,000. Hieroglyphs were carved in stone, painted on frescos, and could also be written with a reed stylus, though this cursive writing soon became standardized in what is called *hieratic* writing. Demotic then Coptic replaced the earlier scripts for much practical writing of Egyptian but hieroglyphs and hieratic continued in use until the fourth century CE. On the Gateway of Hadrian in the Temple complex at Philae an inscription dated 0394-08-24 has been found, and this is thought to be the last example of Ancient Egyptian writing in hieroglyphs.

3. Structure. Egyptian Hieroglyphs made use of 24 letters comprising a true alphabet, of which the modern alphabetic order is ꜣ, ỉ, y, ꜥ, w, b, p, f, m, n, r, h, ḥ, ḫ, ẖ, s, š, ḳ, k, g, t, ṯ, d, ḏ in Alan Gardiner's transcription. In addition to the basic alphabet, the script made use of a fairly large number of "biliterals" and "triliterals" which represented sequences of two or three consonants, examples of these are biliterals ꜣꜥ, wꜥ, bꜥ, pꜥ, mꜥ, ḥꜥ, ḫꜥ, ẖꜥ, sꜥ, šꜥ, kꜥ, tꜥ, ṯꜥ, ḏꜥ, mỉ, tỉ, wꜣ, hꜣ, ꜥw, ỉw, mw, nw, rw, ḥw, ḫw, sw, šw, ḏw, ꜥb, nb, wp, kp, ỉm, nm, ḥm, km, gm, tm, in, wn, mn, nn, ḥn, ẖn, sn, šn and triliterals ꜣḥꜣ, ḫpr, sḏm, nfr, ꜣnḫ, ḥtp;

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there are many more. In addition to the phonetic characters, Egyptian Hieroglyphs made use of a very large number of logographic characters (called "logograms" or "ideograms" by Egyptologists), some of which could be read as a word, and some of which had only a semantic "determinative" function, to enable the reader to distinguish between words which were otherwise written the same, thus: ⬚𝄑𐦼 *hb* 'enter', ⬚𝄑𐦥 *hb* 'ibis', and ⬚𝄑𐦥 *hb* 'plough'. Sometimes a number of characters were used redundantly. For example, *gbꜣ* 'arm' was conventionally written ⬚𝄑𐦥𐦥, literally *g-b-bꜣ-ꜣ-⌐*. Within a word, characters are arranged together to form an aesthetically-pleasing arrangement within a notional square; see "Rendering" below.

4. Directionality. Characters may be written left-to-right or right-to-left, generally in horizontal lines but often (especially in monumental texts) in vertical columns. In general, directionality is easy to determine because one reads a line into the faces of the people and animals, so ⬚𝄑 *rmṯ* 'people' becomes ⬚𝄑 when written right-to-left. Like Old Italic, Egyptian Hieroglyphs are given strong left-to-right directionality in this proposed encoding because by far and away most Egyptian editions are published in English, French, and German and left-to-right directionality is the standard presentation mode. U+202E RIGHT-TO-LEFT OVERRIDE can be used for the presentation of right-to-left Egyptian text. In this case, as with Old Italic, the glyphs from Egyptian Hieroglyphic fonts should be mirrored from those given in the code charts.

5. Rendering. The proposed encoding of Egyptian hieroglyphs treats them simply as a set of text elements; a higher-level protocol would be required for the necessary clustering, mirroring, and rotation of signs within text. This approach works well in the context of existing encoding conventions which use a simple markup scheme to indicate such formatting. The most prominent example of this which has been developed since computers were introduced into Egyptology in the late 1970s and the early 1980s, called the *Manuel de codage* (MdC; Paris: 1988), a later "dialect" of which can be seen in van den Berg 1997. These conventions make use of ASCII characters to separate hieroglyphs and to indicate the organization of the hieroglyphs in space (that is, the position of hieroglyphs in a block). The hyphen "-" is used to separate hieroglyphic blocks; the colon ":" superposes one hieroglyph over another; the asterisk "*" is used to juxtapose two or more hieroglyphs, typically when they are a group which is superposed over or under another hieroglyph or group of hieroglyphs. So "𝄑 - ⌐ : 𐦥" will render 𝄑𐦥, one way of writing the name of Osiris, and "⌐ : 𝄑 * 𐦥" will render 𐦥, another way of writing the same name. More complex overlapping combinations can use the ampersand "&", so "𐦥 & ⌐" will render 𐦥. It's important to note that in *plain text* without MdC markup these will render as 𝄑 ⌐ 𐦥 and 𐦥 ⌐. Other MdC notations are used to indicate the reversal or rotation of hieroglyphs within the LTR text stream. The application of MdC conventions to text is not, however, a plain-text process. Ordinary word-processors are not expected to be able to use MdC conventions to render Egyptian Hieroglyphs correctly. The illustration of MdC given here is not intended to be prescriptive. Other schemes have been proposed that attempt to provide greater flexibility than MdC by use of more elaborate encodings and XML and similar remarks apply. However, none has yet obtained widespread usage comparable with MdC. The Macintosh and Windows implementations (*MacScribe* and *WinGlyph*, and *Inscribe*) make use of the *Manuel de codage* conventions, as does the Wikimedia's WikiHiero PHP script.

6. Character set repertoire. The first set of hieroglyphs which should be encoded, and which is proposed here, is "the Gardiner set", consisting of Gardiner's Middle Egyptian sign-list as given in his *Egyptian Grammar* (Gardiner 1957). This is the chief source of the repertoire, supplemented by additional characters found in his font catalogues (Gardiner 1928, Gardiner 1929, Gardiner 1931, and Gardiner 1953), and a collection of signs found in the Griffith Institute's *Topographical Bibliography*, which also used the Gardiner fonts. In addition to the characters in these sources, Egyptian numeral characters, which Gardiner describes in detail but to which he does not give catalogue numbers, are also

proposed, and Georg Möller's volumes on Hieratic palaeography (Möller 1909, Möller 1927, Möller 1936) are added to the source database in order to instantiate them. For a discussion of that database and how it relates to future additions to the standard, see "The *UniKemet* database and future expansion of the repertoire" below.

7. Character names. Egyptian hieroglyphic characters are traditionally designated in a number of ways:
- by complex description: GOD WITH HEAD OF IBIS, DESERT HARE, VULTURE-GODDESS NEKHBET AND COBRA-GODDESS EDJO ON BASKETS, OWL, LAPWING WITH WINGS TWISTED ROUND ONE ANOTHER, QUAIL CHICK (these are Gardiner's own descriptions)
- by standardized sign number: C3, E34, G16, G17, G24, G43
- by conventional sound which works for only a minority of characters: *wn*, *m*, *w*

The most convenient way of naming the characters is to identify them with their standard Egyptological catalogue numbers, since otherwise the character names would be picturesque but rather long. The name EGYPTIAN HIEROGLYPH E034 refers uniquely and unambiguously to the DESERT HARE character used for the sound *wn*. Character names are padded with zeros here for two reasons. First, they will tend to sort correctly even when "smart" sorting algorithms are not available. Second, the use of zeros offers a mechanism for distinguishing UCS character names from the many extant naming schemes for Egyptian, since formally-standardized UCS characters will have a different status than font collections like Hieroglyphica (Grimal *et al*. 1993 and 2000) or other works. Gardiner uses A44 for a king of Upper Egypt with flagellum; Collier and Manley use A44 for an arm holding the *nḥbt*-wand; Möller uses A44 for a soldier with bow and quiver. The UCS names A044, D045, and A012 uniquely identify the characters and also identifies the designation *as* a UCS name.

As is traditional, Egyptian Hieroglyphs are classified according to letters of the alphabet, so A000 is "Man and his occupations", B000 is "Woman and her occupations", C000 is "Anthropomorphic deities", D000 is "Parts of the human body", E000 is "Mammals", F000 is "Parts of mammals", G000 is "Birds", H000 is "Parts of birds", I000 is "Amphibious animals, reptiles, etc.", K000 is "Fishes and parts of fishes", L000 is Invertebrata and lesser animals", M000 is "Trees and plants", N000 is "Sky, earth, water", O000 is "Buildings, parts of buildings, etc.", P000 is "Ships and parts of ships", Q000 is "Domestic and funerary furniture", R000 is "Temple furniture and sacred emblems", S000 is "Crowns, dress, staves, etc.", T000 is "Warfare, hunting, butchery", U000 is "Agriculture, crafts, and professions", V000 is "Rope, fibre, baskets, bags, etc.", W000 is "Vessels of stone and earthenware", X000 is "Loaves and cakes", Y000 is "Writings, games, music", Z000 is "Strokes, signs derived from Hieratic, geometrical features", and AA000 is used for "Unclassified" signs. (Note: some may have been classified since the category was assigned but we have not re-assigned them.) In Gardiner 1929, 1931, and 1953 a section Ff "Signs for transcription from Hieratic" appears, but as these are identified as variants of other characters, they are named accordingly here (so G1928:95:Ff2 is a "substitute for V7", so it is encoded as V007-A). In Gardiner 1953, a section Nn is given to represent the nomes of Egypt, with L prefixed to the number for the nomes of Lower Egypt, and U for the nomes of Upper Egypt. All of those characters contain N024, which indicates land marked out with irrigation runnels, which is presumably why Gardiner used the notation "Nn" for the nomes. Gardiner gives NnL1 for ; the naming convention here calls it NL001 rather than NNL001. An aesthetic complaint might be made about O000, but Gardiner used the letter O in his classification and we maintain that the leading zero is a useful convention for the reasons given above.

Gardiner identified some variants of characters by unique catalogue numbers, and others by extending adding one or two asterisks (and in one instance *a* and *a'*). UCS naming convention does not allow the use of asterisks, but it is traditional to add letters of the alphabet. In the convention we employ, these

letters are added to the base name following a hyphen. Thus Gardiner's ⚲ G7, ⚲ G7*, and ⚲ G7** are G007, G007-A, and G007-B here respectively. We have found that the use of the hyphen facilitates reading the names list, and like the leading zeros, helps to distinguish the UCS character names from other conventions. Letters for variants are to be added serially as the Egyptian repertoire is expanded.

8. Numbers. Gardiner lists only 1, 2, and 3 with catalogue numbers in his *Egyptian Grammar*; these signs fulfill other functions apart from that of numeral. He describes numbers in detail in §§259–266. Möller's three volumes on Hieratic palaeography (1909, 1927, 1936) do give catalogue numbers (based on typographer Ferdinand Theinhardt's system) and those references have been added to the database to instantiate the numbers encoded. Between Möller and the in-text examples of numbers given in Gardiner, 96.6% of the number-forms (the 10s, 100s, 1000s, and 10,000s) are attested in a way which can be sourced by page number in the source database. There are 87 such numbers, and only three of them have no page-reference sources in Gardiner or Möller: ⚿ D070-A '4 heqat measures', ⚿ D075 '9 heqat measures', and ⚿ V042-A '400' in one of its configurations. And D070-A is referenced in Allen 1999:102. Different configurations are considered unique text-elements and are encoded as characters, because it is these elements which are used for hieratic transcription and manipulated by (for instance) the MdC. Thus ⦀ Z020, ⦀ Z020-A, ≡ Z020-B, and ⚏ Z020-C, are all encoded though thay all mean '9', the last two of these are are used in writing dates; Allen 1999 gives another form ⦀ Z020-D. Higher-level protocols could, in principle, be used to generate Egyptian numbers out of their constituent parts, but there would seem to be little advantage to doing this. In such a case, a number like ⦀ ⦀ ⚿ ⚿ ⦀ 99,999 would have to be decomposed into 45 constituent parts along with 44 elements of markup, e.g., ⦀*⦀*⦀:⦀*⦀*⦀:⦀*⦀*⦀-⦀*⦀*⦀:⦀*⦀*⦀:⦀*⦀*⦀-ɛ*ɛ*ɛ:ɛ*ɛ*ɛ:ɛ*ɛ*ɛ-ᴖ*ᴖ*ᴖ:ᴖ*ᴖ*ᴖ:ᴖ*ᴖ*ᴖ-ɪ*ɪ*ɪ:ɪ*ɪ*ɪ:ɪ*ɪ*ɪ. Egyptian numbers are thus encoded here along the same principles which were used in the encoding of Aegean and Cuneiform numbers.

9. Enclosures. The two principal names of the king, the nomen and praenomen, were normally written inside a cartouche: a figure representing a coil of rope, for instance (⚿⚿⚿) ꜥꜣpp 'Apophis'. Gardiner 1957:71–76 describes the royal titulary, giving beginning and end shapes ⟨ and ⟩ signs in the Catalogue. The bracket-like convention of writing (⚿⚿⚿) is used in the hieratic (cf. Möller 1936:51) and some modern publications. Plain text and general purpose software should likewise treat these signs as characters and not render the fully enclosed form. For some additional enclosure characters which could be added to the repertoire, see "Issues: Enclosures" below.

10. Unicode Character Properties
The Unicode Consortium maintains a set of character properties. The following excerpt from the proposed additions to the file UnicodeData.txt indicates that hieoglyphs are classified as Letter_Other (L0), that they are not combining characters, that they are Left-to-Right (L) and that they do not have decompositions or case mappings. For the purposes of line and word breaking as well as identifiers they would be treated like alphabetics.

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13000;EGYPTIAN HIEROGLYPH A001;Lo;0;L;;;;;N;;;;;
13001;EGYPTIAN HIEROGLYPH A002;Lo;0;L;;;;;N;;;;;
13002;EGYPTIAN HIEROGLYPH A003;Lo;0;L;;;;;N;;;;;
...
1341F;EGYPTIAN HIEROGLYPH AA030;Lo;0;L;;;;;N;;;;;
13420;EGYPTIAN HIEROGLYPH AA031;Lo;0;L;;;;;N;;;;;
13421;EGYPTIAN HIEROGLYPH AA032;Lo;0;L;;;;;N;;;;;
```

11. Ordering. Deterministic ordering of actual hieroglyphs is something that is probably unknown to the Egyptological tradition, since Egyptologists have tended to sort the transliterations. However, an alphabetic order does exist (ꜣ, i, y, ꜥ, w, b, p, f, m, n, r, h, ḥ, ḫ, ẖ, s, š, ḳ, k, g, t, ṯ, d, ḏ as given above), and this should be the basis for ordering those characters with a phonetic reading. Determinatives without phonetic readings should probably be left in code-point order. Some experimentation and investigation of current practice will have to be undertaken before recommendations can be made, and this will be the subject of a further proposal as input to ISO/IEC 14651 and the Unicode Collation Algorithm. As an example, however, we have taken a set of words beginning in *g-* from Gardiner's grammar and ordered the list of words there as it might be ordered according to the principles outlined above.

g (W 11)

gꜣwt (V 32) bundles.

varr. det., *gꜣw* (V 32; Aa 2) lack, *r* (something), be narrow, short of breath; deprive, *m* of (breath); *gꜣt, gꜣw* lack, *n* of; *n-gꜣw* through lack of, § 178; *gwꜣwꜣ* det. (D 1) throttle, choke.

gbb (G 38, O.K.) white-fronted goose.

Gb, older var. *Gbb*, the earth-god Geb, Gk. Kῆβ.

Gbtiw (V 33) Ḳift, Coptus, a town in Upper Egypt.

gbꜣ (D 41) arm; det. side (of room).

gbgb fall prostrate; *gbgbyt* headlong fall.

gf, varr. *gif, gwf* (E 33), monkey.

gfn (D 19), var. *gnf*, rebuff (vb.); *gfnw* rebuff (n.).

gmt (G 28, O.K.) black ibis.

gmi (G 28) find; foll. by *sḏm·f* (perf., § 452, 1), § 184, I. 2; by *sḏm·n·f*, § 185; by obj. + *sḏm·f* or *sḏm·n·f*, § 213; by obj. + *ḥr* + infin., § 304, 1; by obj. + old perf., § 315.

gmw mourning.

gmḥ espy, look at; *sgmḥ*, same sense.

gmḥt wick.

gmgm (Z 9) break up, break.

var. *gnwt* (N 33; T 19) annals; var. *gnwty* (?) sculptor.

gnf, see *gfn* above.

gnn (A 7) be soft, weak; *sgnn* soften, weaken.

gr (A 2) be silent; silence; *grw* silent, calm one; *igrt*, var. *iwgrt* (p. 209, n. 7), the necropolis, lit. the silent one; *sgr* silence (someone); silence, quiet (n.).

grt, older *gr*, early varr. *igrt, igr*, encl. part., moreover, now, §§ 66. **255**; as adv., further, either, §§ 205, 1; 255.

grḥ (D 41) cease, *m* from; finish, *m* (something); *sgrḥ* make to cease, quell.

grḥ abbrev. *grḥ* (N 2) night.

varr. *grg* (U 17) 1. snare (vb.); 2. found, establish.

var. *grg* falsehood, lie.

varr. *gḥs* (E 29; D 56) gazelle, f. *gḥst*.

gs (Aa 13–16) side; half, § 265; *r-gs*, rarely *ḥr-gs*, beside, in the presence of, § 178; *gs(wy)·fy* its two sides, § 75, 2; *di ḥr gs* 1. dispose of, kill; 2. show partiality; *gsw* neighbours; *gsw* (X 7, O.K.) half-loaves; *gs-pr* administration (?), in title *imy-r gs-pr*.

var. *gs* (Aa 13) anoint, *m* with.

gsi run (vb.).

Gsy Ḳûṣ, Apollonos polis, a town in Upper Egypt.

gsꜣ (O 37) tilt, slant (intrans.).

var. *gsti* (Aa 13) palette.

ggt (V 33) kidney (?).

ggwy, var. *ggwt* (V 33), dazzled amazement, *ḥr* at.

Figure 1. The words in Gardiner's grammar beginning with *g-*.

There are 66 different Egyptian characters on this page. Some of them have a single phonetic value, some have more than one value, and some have no value but are just determinatives. Assigning a numeric value to each of the 24 letters of the alphabet (so *g* = 20), and expanding biliteral and triliterals to the same values (so *gb* = 20-06 and *grg* = 20-11-20), and leaving determinatives values 25 to 52 (for

Hieroglyphs	Transliteration	Hieroglyphs	Transliteration
	iwgrt		*grḥ*
	igrt		*grḥ*
	g3wt		*grg*
	g3w		*grg*
	g3w		*grg*
	g3w		*grg*
	Gbb		*grg*
	gb3		*grt*
	gbb		*gr*
	Gb		*gḥs*
	gbgb		*gḥs*
	Gbtiw		*gs*
	gb3		*gsw*
	gfn		*gs3*
	gf		*gs*
	gmi		*gs*
	gmw		*gs*
	gmḥt		*gsw*
	gmḥ		*gs-pr*
	gmgm		*gsti*
	gmt		*ggwy*
	gnf		*ggwt*
	gnf		*Gsy*
	gnwt		*gsti*
	gnwt		*ggt*
	gnn		*di ḥr gs*
	gnwt		*gḥs*
	gnwty		*grḥ*
	gr		

Figure 2. The words in Gardiner's grammar beginning with 𓎡 *g-*, expanded to plain-text strings of characters and run through a very basic sorting algorithm as proof-of-concept regarding the ordering of hieroglyphs as opposed to transliteration-based ordering.

In this figure, words which were not headwords in Figure 1 are indented. It can be seen that there are some differences between this order and Gardiner's, but note that Gardiner's is not algorithmically derived. For instance, Gardiner orders *gbb < Gb < Gbtiw < gb3 < gbgb*; though according to Gardiner's own alphabetical order one might expect *Gb < gb3 < gbb < gbgb < Gbtiw* (though perhaps Gardiner is using a root-based ordering). Our results gave *gb3 < gbb < Gb < gbgb < Gbtiw*, because the underlying spelling is *g-b-(b-3)-3-* < *g-b-b-(g-b)* < *(g-b)-b-* < *g-b-g-b-* < *g-b-(t-i-w)-*. Something else that will need to be dealt with is the question of characters with multiple readings. T019, the harpoon head of bone, has two readings, *gn* and *ḳs*, and it is uncertain how a decision about "primary" values will be made. Second- and third-level ordering for homophones like 𓎡 *g* and 𓐠 *g* is also something we have not

attempted in this exercise. Nevertheless, it seems clear that a phonetic-based ordering for Egyptian hieroglyphs yields results which are more useful than binary ordering would yield.

12. The *UniKemet* database and future expansion of the repertoire. The database containing source references for the characters encoded has been named the *UniKemet* database after ⬠🐦🦉 *Kmt* "Egypt" since we considered a name like *UniHieroglyph* to be too general (given Anatolian Hieroglyphs, Maya Hieroglyphs, and Mi'kmaq Hieroglyphs). This database provides the means for Egyptologists to work with ISO/IEC JTC1/SC2/WG2 and with the Unicode Consortium to add Egyptian Hieroglyphs to the standard in future. Its structure is relatively straightforward; it contains the following fields:

Hex	The proposed U+1xxxx character code.
Name	The catalogue name of the character, such as A001, M013.
G1957	Citation from Gardiner 1957, giving page number and designation.
G1928	Citation from Gardiner 1928, giving page number and designation.
G1929	Citation from Gardiner 1929, giving page number and designation.
G1931	Citation from Gardiner 1931, giving page number and designation.
G1953	Citation from Gardiner 1953, giving page number and designation.
GITB	Citation from the Griffith Insititute *Topographical Bibliography*, giving volume, page number, and designation.
M1909	Citation from Möller 1909, giving page number and designation (only for numbers so far, here and for M1927 and M1936).
M1927	Citation from Möller 1927, giving page number and designation.
M1936	Citation from Möller 1936, giving page number and designation.
A1999	Citation from Allen 1999, giving page number and designation.
Uname	Calculation field that adds EGYPTIAN HIEROGLYPH to the Name field to produce the UCS names list.
Note	Notes which assist in the creation of the UCS names list.
Amd	A field which indicates the block or amendment into which a character is (to be) encoded, to assist in sorting the characters in order to produce the names list.
C2005	A temporary field containing the assignments in Richard Cook's L2/05-311, to assist members of the UTC who have reviewed that document in comparing it with the present document.

The intent of this database is that it will be a standard repository of those Egyptian characters which specialists deem suitable for formal encoding. Its citations are specific to a printed source, giving page number and an identifying designation given on that page. An example of a hieroglyphic number which is attested in Gardiner as well as in Möller which will show how the extension in the future beyond the Gardiner set will work. Character ⦀ Z020 is one of the characters used for the number 9 (there are three others). It is attested in Gardiner and in Möller. G1957:197:9 means that it is attested in Gardiner 1957 on page 197 as "9" (since he did not assign a catalogue number to it). It is also attested in Möller as M1909:59:AAa622 which means it is in Möller 1909 on page 59 in section "AA" subsection "a" with catalogue number 622. The full source citation would be "G1957:197:9" though at present the content of the G1957 field in the database is simply "197:9" because each source has its own field. In future, when work for additions to the repertoire begins on materials from other sources, a unification process will obtain where existing coded characters are first mapped to the content of those sources. Then we will be able to look at what is left over as sources for further standardization. For example, ✴ N013 'half-month festival' and ✭ N014 *sbꜣ* 'star' are found in G1957:545:N13 and G1928:31:N13; when we look at Allen 1999 for additions to the repertoire, we first add A1999:436:N13 and A1999:436:N14, to the database, and then can add ✴ A1999:437:N44 as N044 *ꜣbd* 'month'. Möller has many characters not found in other

sources. For instance, standard Middle Egyptian writes ⸏o𓀀𓏛 *pnw* 'mouse', but Möller cites ⸏o𓀀𓏛 'mice' and so in due course the new character ⸏ M1909:12:E131 can be added to the database; if it were being standardized as an addition to the repertoire here, it would be assigned the number E043. A future expansion of the database might include other fields such as Faulkner.

A printout of the *UniKemet* database is attached at the end of this document; an electronic version of this draft can be found at in a tab-delimiited text file at **http://www.evertype.com/standards/iso10646/pdf/ unikemet-mappings-20060719.tab**. This file should be used for review only, and not for development as its contents will certainly change.

13. Issues. Following here are a set of questions specifically for the Egyptologists who will review this document. They deal with the question of additions of characters which are not attested explicitly in the Gardiner set.

13.1. Issue: The Allen sign list. In the English-language tradition of Egyptology, it is probably James Allen's grammar of Middle Egyptian which is the most popular successor to Gardiner's *Egyptian Grammar* as a textbook. We have reviewed the characters in Allen's sign list, and have found 96 characters additional to those in Gardiner's lists. We have given these in a separate block titled "Egyptian Hieroglyphs Extended-A". Should these be encoded at this time? Should they be encoded in a separate block, or folded into the main block? Several of them are numbers and it would seem reasonable for these, at least, to be added alongside the others.

13.2. Issue: Enclosures. A number of characters for the completion of enclosures should at some stage be added to the repertoire. The *ḥwt* enclosure used to describe houses, temples, and tombs is based on O006 𓉐, the rectangular enclosure seen in plan. As a cartouche-like enclosure, it may have differ in its beginning and final forms. When O006-A ⸢ begins a *ḥwt* enclosure, O006-D ⸣ or O006-E ⸥ may complete it; when O006-B ⸤ or O006-C ⸤ begins a *ḥwt* enclosure, O006-F ⸥ may complete it. The *srḫ* or *serekh* enclosure is based on O033 𓊖, a banner. A *serekh* enclosure is begun with O006-A ⸢, and completed with O033-A 𓊗. Finally, while the cartouche proper normally begins with V011-A ⸨ and ends with V011-B ⸩, it sometimes ends with V011-C ⸩. We have given these in a separate block titled "Egyptian Hieroglyphs Extended-B". Should these be encoded at this time? Should they be encoded in a separate block, or folded into the main block?

13.3. Issue: Positional variants without Gardiner catalogue numbers. A number of positional variants without catalogue numbers were listed in the Gardiner 1957. Some of these may be worth encoding, but some may not. The down-facing fly 𓆤 L003-A, for instance, is arguably an error occurring only in Gardiner's Index to his sign-list; 𓆤 L003 seems to be the only form found elsewhere. The two moons 𓏃 N011-A and 𓏃 N012-A are said by Gardiner to be used as determinatives; does this mean that ⸏ N011 and ⸏ N012 are not? Is MdC rotation sufficient to distinguish these as text elements? The same can be said for the high-frequency variants ⸏ O029-A and ⸏ Y001-A against the Gardiner-numbered ⸏ O029 and ⸏ Y001. We have given these in a separate block titled "Egyptian Hieroglyphs Extended-C". Should some or all or none of these be encoded at this time? Should they be encoded in a separate block, or folded into the main block?

13.4. Issue: Positional variants with Gardiner catalogue numbers. Gardiner gave catalogue numbers to 𓀢 C002-B, 𓀣 C002-C, 𓀥 C013, 𓀦 C015. C002-B was used in the royal name (𓁟𓈖𓐍𓌸𓏠𓇳) *Stḫ nḫt mrr 'Imn Rꜥ* 'Setnakht beloved of Amun Ra', attested in the *Topographical Bibliography* (Vol. I, Pt. II., p. 527). It could be argued that reversed characters like these should not be encoded because MdC markup is normally used for reversing and rotating characters. This is not the always the case of course. D054 𓂻

'movement' contrasts with D055 ⌒ 'backwards'; P001 ⤳ 'boat' contrasts with P001-A ⤳ as used in 🔲⤳ *pnꜥ* 'upset, overturn'. Some other characters are distinguished as "low" glyphs needed in his font: compare ⤦ E034 and ⤦ E034-A, ∪ F013 and ∪ F013-A, ⤸ G036 and ⤸ G036-A, ⤸ G037 and ⤸ G037-A, ⌢ N025 and ⌢ N025-A, ⌣ V030 and ⌣ V030-A, and ⤾ W003 and ⤾ W003-A. Should these characters be retained in the standard for completeness, because Gardiner assigned catalogue numbers to them? Is retaining these in order to have a 1:1 representation as characters of all signs with catalog numbers an important goal, or should the encoding assume modern font technology where such forms would be represented by unnamed glyphs? How are these used? Do they occur as such in existing data so that cross-mapping to Unicode is an important issue?

13.5. Issue: Numbers. The encoding for numbers proposed has met some opposition on the grounds that these represent precomposed characters. In this situation it would be useful to hear from practioners and people familiar with other efforts to encode the numbers. Are there issues with transcoding from existing data collections.

13.6. Miscellaneous issues: Gardiner distinguishes ⌿ N034 from ⌿ N034-A: G1957:545:N34, G1928:31:N34, G1931:246:N34*, and G1953:4:N34*. Allen distinguishes ⌂ N034-B: A1999:437:N34a. Is this correct? Most of Gardiner's "Ff" series, "Signs for transcription from Hieratic" are clearly identified as variants of other signs, and have been encoded as such. Two of them, ơ FF008 and ъ FF008-A have not yet been attested with certainty, but when they are they should be renamed and filed next to what they are variants of. Should Old Kingdom signs such as ᛈ and ⁞, found at G1957:479:M3, be encoded at this time or left for future standardization?

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Wikimedia's WikiHiero PHP script **http://meta.wikimedia.org/wiki/WikiHiero**

	1300	1301	1302	1303	1304	1305	1306	1307	1308	1309	130A	130B	130C	130D
0	13000	13010	13020	13030	13040	13050	13060	13070	13080	13090	130A0	130B0	130C0	130D0
1	13001	13011	13021	13031	13041	13051	13061	13071	13081	13091	130A1	130B1	130C1	130D1
2	13002	13012	13022	13032	13042	13052	13062	13072	13082	13092	130A2	130B2	130C2	130D2
3	13003	13013	13023	13033	13043	13053	13063	13073	13083	13093	130A3	130B3	130C3	130D3
4	13004	13014	13024	13034	13044	13054	13064	13074	13084	13094	130A4	130B4	130C4	130D4
5	13005	13015	13025	13035	13045	13055	13065	13075	13085	13095	130A5	130B5	130C5	130D5
6	13006	13016	13026	13036	13046	13056	13066	13076	13086	13096	130A6	130B6	130C6	130D6
7	13007	13017	13027	13037	13047	13057	13067	13077	13087	13097	130A7	130B7	130C7	130D7
8	13008	13018	13028	13038	13048	13058	13068	13078	13088	13098	130A8	130B8	130C8	130D8
9	13009	13019	13029	13039	13049	13059	13069	13079	13089	13099	130A9	130B9	130C9	130D9
A	1300A	1301A	1302A	1303A	1304A	1305A	1306A	1307A	1308A	1309A	130AA	130BA	130CA	130DA
B	1300B	1301B	1302B	1303B	1304B	1305B	1306B	1307B	1308B	1309B	130AB	130BB	130CB	130DB
C	1300C	1301C	1302C	1303C	1304C	1305C	1306C	1307C	1308C	1309C	130AC	130BC	130CC	130DC
D	1300D	1301D	1302D	1303D	1304D	1305D	1306D	1307D	1308D	1309D	130AD	130BD	130CD	130DD
E	1300E	1301E	1302E	1303E	1304E	1305E	1306E	1307E	1308E	1309E	130AE	130BE	130CE	130DE
F	1300F	1301F	1302F	1303F	1304F	1305F	1306F	1307F	1308F	1309F	130AF	130BF	130CF	130DF

	130E	130F	1310	1311	1312	1313	1314	1315	1316	1317	1318	1319	131A	131B
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2	130E2	130F2	13102	13112	13122	13132	13142	13152	13162	13172	13182	13192	131A2	131B2
3	130E3	130F3	13103	13113	13123	13133	13143	13153	13163	13173	13183	13193	131A3	131B3
4	130E4	130F4	13104	13114	13124	13134	13144	13154	13164	13174	13184	13194	131A4	131B4
5	130E5	130F5	13105	13115	13125	13135	13145	13155	13165	13175	13185	13195	131A5	131B5
6	130E6	130F6	13106	13116	13126	13136	13146	13156	13166	13176	13186	13196	131A6	131B6
7	130E7	130F7	13107	13117	13127	13137	13147	13157	13167	13177	13187	13197	131A7	131B7
8	130E8	130F8	13108	13118	13128	13138	13148	13158	13168	13178	13188	13198	131A8	131B8
9	130E9	130F9	13109	13119	13129	13139	13149	13159	13169	13179	13189	13199	131A9	131B9
A	130EA	130FA	1310A	1311A	1312A	1313A	1314A	1315A	1316A	1317A	1318A	1319A	131AA	131BA
B	130EB	130FB	1310B	1311B	1312B	1313B	1314B	1315B	1316B	1317B	1318B	1319B	131AB	131BB
C	130EC	130FC	1310C	1311C	1312C	1313C	1314C	1315C	1316C	1317C	1318C	1319C	131AC	131BC
D	130ED	130FD	1310D	1311D	1312D	1313D	1314D	1315D	1316D	1317D	1318D	1319D	131AD	131BD
E	130EE	130FE	1310E	1311E	1312E	1313E	1314E	1315E	1316E	1317E	1318E	1319E	131AE	131BE
F	130EF	130FF	1310F	1311F	1312F	1313F	1314F	1315F	1316F	1317F	1318F	1319F	131AF	131BF

	131C	131D	131E	131F	1320	1321	1322	1323	1324	1325	1326	1327	1328
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2	131C2	131D2	131E2	131F2	13202	13212	13222	13232	13242	13252	13262	13272	13282
3	131C3	131D3	131E3	131F3	13203	13213	13223	13233	13243	13253	13263	13273	13283
4	131C4	131D4	131E4	131F4	13204	13214	13224	13234	13244	13254	13264	13274	13284
5	131C5	131D5	131E5	131F5	13205	13215	13225	13235	13245	13255	13265	13275	13285
6	131C6	131D6	131E6	131F6	13206	13216	13226	13236	13246	13256	13266	13276	13286
7	131C7	131D7	131E7	131F7	13207	13217	13227	13237	13247	13257	13267	13277	13287
8	131C8	131D8	131E8	131F8	13208	13218	13228	13238	13248	13258	13268	13278	13288
9	131C9	131D9	131E9	131F9	13209	13219	13229	13239	13249	13259	13269	13279	13289
A	131CA	131DA	131EA	131FA	1320A	1321A	1322A	1323A	1324A	1325A	1326A	1327A	1328A
B	131CB	131DB	131EB	131FB	1320B	1321B	1322B	1323B	1324B	1325B	1326B	1327B	1328B
C	131CC	131DC	131EC	131FC	1320C	1321C	1322C	1323C	1324C	1325C	1326C	1327C	1328C
D	131CD	131DD	131ED	131FD	1320D	1321D	1322D	1323D	1324D	1325D	1326D	1327D	1328D
E	131CE	131DE	131EE	131FE	1320E	1321E	1322E	1323E	1324E	1325E	1326E	1327E	1328E
F	131CF	131DF	131EF	131FF	1320F	1321F	1322F	1323F	1324F	1325F	1326F	1327F	1328F

	1329	132A	132B	132C	132D	132E	132F	1330	1331	1332	1333	1334	1335
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2	13292	132A2	132B2	132C2	132D2	132E2	132F2	13302	13312	13322	13332	13342	13352
3	13293	132A3	132B3	132C3	132D3	132E3	132F3	13303	13313	13323	13333	13343	13353
4	13294	132A4	132B4	132C4	132D4	132E4	132F4	13304	13314	13324	13334	13344	13354
5	13295	132A5	132B5	132C5	132D5	132E5	132F5	13305	13315	13325	13335	13345	13355
6	13296	132A6	132B6	132C6	132D6	132E6	132F6	13306	13316	13326	13336	13346	13356
7	13297	132A7	132B7	132C7	132D7	132E7	132F7	13307	13317	13327	13337	13347	13357
8	13298	132A8	132B8	132C8	132D8	132E8	132F8	13308	13318	13328	13338	13348	13358
9	13299	132A9	132B9	132C9	132D9	132E9	132F9	13309	13319	13329	13339	13349	13359
A	1329A	132AA	132BA	132CA	132DA	132EA	132FA	1330A	1331A	1332A	1333A	1334A	1335A
B	1329B	132AB	132BB	132CB	132DB	132EB	132FB	1330B	1331B	1332B	1333B	1334B	1335B
C	1329C	132AC	132BC	132CC	132DC	132EC	132FC	1330C	1331C	1332C	1333C	1334C	1335C
D	1329D	132AD	132BD	132CD	132DD	132ED	132FD	1330D	1331D	1332D	1333D	1334D	1335D
E	1329E	132AE	132BE	132CE	132DE	132EE	132FE	1330E	1331E	1332E	1333E	1334E	1335E
F	1329F	132AF	132BF	132CF	132DF	132EF	132FF	1330F	1331F	1332F	1333F	1334F	1335F

	1336	1337	1338	1339	133A	133B	133C	133D	133E	133F	1340	1341	1342
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1	13361	13371	13381	13391	133A1	133B1	133C1	133D1	133E1	133F1	13401	13411	13421
2	13362	13372	13382	13392	133A2	133B2	133C2	133D2	133E2	133F2	13402	13412	
3	13363	13373	13383	13393	133A3	133B3	133C3	133D3	133E3	133F3	13403	13413	
4	13364	13374	13384	13394	133A4	133B4	133C4	133D4	133E4	133F4	13404	13414	
5	13365	13375	13385	13395	133A5	133B5	133C5	133D5	133E5	133F5	13405	13415	
6	13366	13376	13386	13396	133A6	133B6	133C6	133D6	133E6	133F6	13406	13416	
7	13367	13377	13387	13397	133A7	133B7	133C7	133D7	133E7	133F7	13407	13417	
8	13368	13378	13388	13398	133A8	133B8	133C8	133D8	133E8	133F8	13408	13418	
9	13369	13379	13389	13399	133A9	133B9	133C9	133D9	133E9	133F9	13409	13419	
A	1336A	1337A	1338A	1339A	133AA	133BA	133CA	133DA	133EA	133FA	1340A	1341A	
B	1336B	1337B	1338B	1339B	133AB	133BB	133CB	133DB	133EB	133FB	1340B	1341B	
C	1336C	1337C	1338C	1339C	133AC	133BC	133CC	133DC	133EC	133FC	1340C	1341C	
D	1336D	1337D	1338D	1339D	133AD	133BD	133CD	133DD	133ED	133FD	1340D	1341D	
E	1336E	1337E	1338E	1339E	133AE	133BE	133CE	133DE	133EE	133FE	1340E	1341E	
F	1336F	1337F	1338F	1339F	133AF	133BF	133CF	133DF	133EF	133FF	1340F	1341F	

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

A. Man and his occupations

13000		EGYPTIAN HIEROGLYPH A001
13001		EGYPTIAN HIEROGLYPH A002
13002		EGYPTIAN HIEROGLYPH A003
13003		EGYPTIAN HIEROGLYPH A004
13004		EGYPTIAN HIEROGLYPH A005
13005		EGYPTIAN HIEROGLYPH A005-A
13006		EGYPTIAN HIEROGLYPH A006
13007		EGYPTIAN HIEROGLYPH A006-A
13008		EGYPTIAN HIEROGLYPH A006-B
13009		EGYPTIAN HIEROGLYPH A007
1300A		EGYPTIAN HIEROGLYPH A008
1300B		EGYPTIAN HIEROGLYPH A009
1300C		EGYPTIAN HIEROGLYPH A010
1300D		EGYPTIAN HIEROGLYPH A011
1300E		EGYPTIAN HIEROGLYPH A012
1300F		EGYPTIAN HIEROGLYPH A013
13010		EGYPTIAN HIEROGLYPH A014
13011		EGYPTIAN HIEROGLYPH A014-A
13012		EGYPTIAN HIEROGLYPH A015
13013		EGYPTIAN HIEROGLYPH A016
13014		EGYPTIAN HIEROGLYPH A017
13015		EGYPTIAN HIEROGLYPH A017-A
13016		EGYPTIAN HIEROGLYPH A018
13017		EGYPTIAN HIEROGLYPH A019
13018		EGYPTIAN HIEROGLYPH A020
13019		EGYPTIAN HIEROGLYPH A021
1301A		EGYPTIAN HIEROGLYPH A022
1301B		EGYPTIAN HIEROGLYPH A023
1301C		EGYPTIAN HIEROGLYPH A024
1301D		EGYPTIAN HIEROGLYPH A025
1301E		EGYPTIAN HIEROGLYPH A026
1301F		EGYPTIAN HIEROGLYPH A027
13020		EGYPTIAN HIEROGLYPH A028
13021		EGYPTIAN HIEROGLYPH A029
13022		EGYPTIAN HIEROGLYPH A030
13023		EGYPTIAN HIEROGLYPH A031
13024		EGYPTIAN HIEROGLYPH A032
13025		EGYPTIAN HIEROGLYPH A032-A
13026		EGYPTIAN HIEROGLYPH A033
13027		EGYPTIAN HIEROGLYPH A034
13028		EGYPTIAN HIEROGLYPH A035
13029		EGYPTIAN HIEROGLYPH A036
1302A		EGYPTIAN HIEROGLYPH A037
1302B		EGYPTIAN HIEROGLYPH A038
1302C		EGYPTIAN HIEROGLYPH A039
1302D		EGYPTIAN HIEROGLYPH A040
1302E		EGYPTIAN HIEROGLYPH A040-A
1302F		EGYPTIAN HIEROGLYPH A041
13030		EGYPTIAN HIEROGLYPH A042
13031		EGYPTIAN HIEROGLYPH A042-A
13032		EGYPTIAN HIEROGLYPH A043
13033		EGYPTIAN HIEROGLYPH A043-A
13034		EGYPTIAN HIEROGLYPH A044
13035		EGYPTIAN HIEROGLYPH A045
13036		EGYPTIAN HIEROGLYPH A045-A
13037		EGYPTIAN HIEROGLYPH A046
13038		EGYPTIAN HIEROGLYPH A047
13039		EGYPTIAN HIEROGLYPH A048
1303A		EGYPTIAN HIEROGLYPH A049
1303B		EGYPTIAN HIEROGLYPH A050
1303C		EGYPTIAN HIEROGLYPH A051
1303D		EGYPTIAN HIEROGLYPH A052
1303E		EGYPTIAN HIEROGLYPH A053
1303F		EGYPTIAN HIEROGLYPH A054
13040		EGYPTIAN HIEROGLYPH A055
13041		EGYPTIAN HIEROGLYPH A056
13042		EGYPTIAN HIEROGLYPH A057
13043		EGYPTIAN HIEROGLYPH A058
13044		EGYPTIAN HIEROGLYPH A059
13045		EGYPTIAN HIEROGLYPH A060
13046		EGYPTIAN HIEROGLYPH A061
13047		EGYPTIAN HIEROGLYPH A062
13048		EGYPTIAN HIEROGLYPH A063
13049		EGYPTIAN HIEROGLYPH A064
1304A		EGYPTIAN HIEROGLYPH A065
1304B		EGYPTIAN HIEROGLYPH A066
1304C		EGYPTIAN HIEROGLYPH A067
1304D		EGYPTIAN HIEROGLYPH A068
1304E		EGYPTIAN HIEROGLYPH A069
1304F		EGYPTIAN HIEROGLYPH A070

B. Woman and her occupations

13050		EGYPTIAN HIEROGLYPH B001
13051		EGYPTIAN HIEROGLYPH B002
13052		EGYPTIAN HIEROGLYPH B003
13053		EGYPTIAN HIEROGLYPH B004
13054		EGYPTIAN HIEROGLYPH B005
13055		EGYPTIAN HIEROGLYPH B005-A
13056		EGYPTIAN HIEROGLYPH B006
13057		EGYPTIAN HIEROGLYPH B007
13058		EGYPTIAN HIEROGLYPH B008
13059		EGYPTIAN HIEROGLYPH B009

C. Anthropomorphic deities

1305A		EGYPTIAN HIEROGLYPH C001
1305B		EGYPTIAN HIEROGLYPH C002
1305C		EGYPTIAN HIEROGLYPH C002-A
1305D		EGYPTIAN HIEROGLYPH C002-B
1305E		EGYPTIAN HIEROGLYPH C002-C
1305F		EGYPTIAN HIEROGLYPH C003
13060		EGYPTIAN HIEROGLYPH C004
13061		EGYPTIAN HIEROGLYPH C005
13062		EGYPTIAN HIEROGLYPH C006
13063		EGYPTIAN HIEROGLYPH C007
13064		EGYPTIAN HIEROGLYPH C008
13065		EGYPTIAN HIEROGLYPH C009
13066		EGYPTIAN HIEROGLYPH C010
13067		EGYPTIAN HIEROGLYPH C010-A
13068		EGYPTIAN HIEROGLYPH C011
		= 1,000,000
13069		EGYPTIAN HIEROGLYPH C012
1306A		EGYPTIAN HIEROGLYPH C013
1306B		EGYPTIAN HIEROGLYPH C014
1306C		EGYPTIAN HIEROGLYPH C015
1306D		EGYPTIAN HIEROGLYPH C016
1306E		EGYPTIAN HIEROGLYPH C017
1306F		EGYPTIAN HIEROGLYPH C018
13070		EGYPTIAN HIEROGLYPH C019
13071		EGYPTIAN HIEROGLYPH C020
13072		EGYPTIAN HIEROGLYPH C021
13073		EGYPTIAN HIEROGLYPH C022
13074		EGYPTIAN HIEROGLYPH C023
13075		EGYPTIAN HIEROGLYPH C024

D. Parts of the human body

13076		EGYPTIAN HIEROGLYPH D001
13077		EGYPTIAN HIEROGLYPH D002
13078		EGYPTIAN HIEROGLYPH D003
13079		EGYPTIAN HIEROGLYPH D004
1307A		EGYPTIAN HIEROGLYPH D005
1307B		EGYPTIAN HIEROGLYPH D006
1307C		EGYPTIAN HIEROGLYPH D007
1307D		EGYPTIAN HIEROGLYPH D008
1307E		EGYPTIAN HIEROGLYPH D008-A

1307F	𓁿	EGYPTIAN HIEROGLYPH D009
13080	𓂀	EGYPTIAN HIEROGLYPH D010
13081	◁	EGYPTIAN HIEROGLYPH D011
		= 1/2
13082	○	EGYPTIAN HIEROGLYPH D012
		= 1/4
13083	⌣	EGYPTIAN HIEROGLYPH D013
		= 1/8
13084	▷	EGYPTIAN HIEROGLYPH D014
		= 1/16
13085	↘	EGYPTIAN HIEROGLYPH D015
		= 1/32
13086	!	EGYPTIAN HIEROGLYPH D016
		= 1/64
13087	↳	EGYPTIAN HIEROGLYPH D017
13088	𓂉	EGYPTIAN HIEROGLYPH D018
13089	𓂊	EGYPTIAN HIEROGLYPH D019
1308A	𓂋	EGYPTIAN HIEROGLYPH D020
1308B	⌒	EGYPTIAN HIEROGLYPH D021
		= r
1308C	𓂍	EGYPTIAN HIEROGLYPH D022
1308D	𓂎	EGYPTIAN HIEROGLYPH D023
1308E	⎓	EGYPTIAN HIEROGLYPH D024
1308F	⇌	EGYPTIAN HIEROGLYPH D025
13090	𓂒	EGYPTIAN HIEROGLYPH D026
13091	▽	EGYPTIAN HIEROGLYPH D027
13092	▽	EGYPTIAN HIEROGLYPH D027-A
13093	⊔	EGYPTIAN HIEROGLYPH D028
13094	𓂖	EGYPTIAN HIEROGLYPH D029
13095	𓂗	EGYPTIAN HIEROGLYPH D030
13096	𓂘	EGYPTIAN HIEROGLYPH D031
13097	𓂙	EGYPTIAN HIEROGLYPH D031-A
13098	𓂚	EGYPTIAN HIEROGLYPH D032
13099	𓂛	EGYPTIAN HIEROGLYPH D033
1309A	𓂜	EGYPTIAN HIEROGLYPH D034
1309B	𓂝	EGYPTIAN HIEROGLYPH D034-A
1309C	⌄	EGYPTIAN HIEROGLYPH D035
1309D	⌐	EGYPTIAN HIEROGLYPH D036
		= ayin
		→ 05E2 ע hebrew letter ayin
		→ 0639 ع arabic letter ain
		→ A725 latin small letter egyptological ain
1309E	𓂡	EGYPTIAN HIEROGLYPH D037
1309F	𓂢	EGYPTIAN HIEROGLYPH D038
130A0	𓂣	EGYPTIAN HIEROGLYPH D039
130A1	⊔	EGYPTIAN HIEROGLYPH D040
130A2	⊐	EGYPTIAN HIEROGLYPH D041
130A3	𓂧	EGYPTIAN HIEROGLYPH D042
130A4	𓂨	EGYPTIAN HIEROGLYPH D043
130A5	𓂩	EGYPTIAN HIEROGLYPH D044
130A6	⌵	EGYPTIAN HIEROGLYPH D045
130A7	⌢	EGYPTIAN HIEROGLYPH D046
		= d
130A8	𓂬	EGYPTIAN HIEROGLYPH D046-A
130A9	𓂭	EGYPTIAN HIEROGLYPH D047
130AA	⌣	EGYPTIAN HIEROGLYPH D048
130AB	𓂯	EGYPTIAN HIEROGLYPH D048-A
130AC	𓂰	EGYPTIAN HIEROGLYPH D049
130AD	⌡	EGYPTIAN HIEROGLYPH D050
		= 10,000
130AE	⌒	EGYPTIAN HIEROGLYPH D051
130AF	𓂳	EGYPTIAN HIEROGLYPH D052
130B0	𓂴	EGYPTIAN HIEROGLYPH D052-A
130B1	⌐	EGYPTIAN HIEROGLYPH D053
130B2	𓂶	EGYPTIAN HIEROGLYPH D054
130B3	𓂷	EGYPTIAN HIEROGLYPH D054-A
130B4	𓂸	EGYPTIAN HIEROGLYPH D055

130B5	𓂹	EGYPTIAN HIEROGLYPH D056
130B6	𓂺	EGYPTIAN HIEROGLYPH D057
130B7	𓂻	EGYPTIAN HIEROGLYPH D058
		= b
130B8	𓂼	EGYPTIAN HIEROGLYPH D059
130B9	𓂽	EGYPTIAN HIEROGLYPH D060
130BA	𓂾	EGYPTIAN HIEROGLYPH D061
130BB	𓂿	EGYPTIAN HIEROGLYPH D062
130BC	𓃀	EGYPTIAN HIEROGLYPH D063
130BD	�	EGYPTIAN HIEROGLYPH D064
130BE	𓃂	EGYPTIAN HIEROGLYPH D065
130BF	𓃃	EGYPTIAN HIEROGLYPH D066
130C0	○	EGYPTIAN HIEROGLYPH D067
		= 1 heqat measure
130C1	○○	EGYPTIAN HIEROGLYPH D068
		= 2 heqat measures
130C2	𓃆	EGYPTIAN HIEROGLYPH D068-A
		= 2 heqat measures
130C3	○○○	EGYPTIAN HIEROGLYPH D069
		= 3 heqat measures
130C4	𓃈	EGYPTIAN HIEROGLYPH D069-A
		= 3 heqat measures
130C5	𓃉	EGYPTIAN HIEROGLYPH D069-B
		= 3 heqat measures
130C6	○○○○	EGYPTIAN HIEROGLYPH D070
		= 4 heqat measures
130C7	𓃋	EGYPTIAN HIEROGLYPH D070-A
		= 4 heqat measures
130C8	𓃌	EGYPTIAN HIEROGLYPH D071
		= 5 heqat measures
130C9	𓃍	EGYPTIAN HIEROGLYPH D072
		= 6 heqat measures
130CA	𓃎	EGYPTIAN HIEROGLYPH D073
		= 7 heqat measures
130CB	𓃏	EGYPTIAN HIEROGLYPH D074
		= 8 heqat measures
130CC	𓃐	EGYPTIAN HIEROGLYPH D075
		= 9 heqat measures
130CD	𓃑	EGYPTIAN HIEROGLYPH D076
		= 20,000
130CE	𓃒	EGYPTIAN HIEROGLYPH D077
		= 30,000
130CF	𓃓	EGYPTIAN HIEROGLYPH D078
		= 40,000
130D0	𓃔	EGYPTIAN HIEROGLYPH D079
		= 50,000
130D1	𓃕	EGYPTIAN HIEROGLYPH D080
		= 60,000
130D2	𓃖	EGYPTIAN HIEROGLYPH D081
		= 70,000
130D3	𓃗	EGYPTIAN HIEROGLYPH D082
		= 80,000
130D4	𓃘	EGYPTIAN HIEROGLYPH D083
		= 90,000

E. Mammals

130D5	𓃙	EGYPTIAN HIEROGLYPH E001
130D6	𓃚	EGYPTIAN HIEROGLYPH E002
130D7	𓃛	EGYPTIAN HIEROGLYPH E003
130D8	𓃜	EGYPTIAN HIEROGLYPH E004
130D9	𓃝	EGYPTIAN HIEROGLYPH E005
130DA	𓃞	EGYPTIAN HIEROGLYPH E006
130DB	𓃟	EGYPTIAN HIEROGLYPH E007
130DC	𓃠	EGYPTIAN HIEROGLYPH E008
130DD	𓃡	EGYPTIAN HIEROGLYPH E008-A
130DE	𓃢	EGYPTIAN HIEROGLYPH E009

130DF	EGYPTIAN HIEROGLYPH E009-A
130E0	EGYPTIAN HIEROGLYPH E010
130E1	EGYPTIAN HIEROGLYPH E011
130E2	EGYPTIAN HIEROGLYPH E012
130E3	EGYPTIAN HIEROGLYPH E013
130E4	EGYPTIAN HIEROGLYPH E014
130E5	EGYPTIAN HIEROGLYPH E015
130E6	EGYPTIAN HIEROGLYPH E016
130E7	EGYPTIAN HIEROGLYPH E016-A
130E8	EGYPTIAN HIEROGLYPH E017
130E9	EGYPTIAN HIEROGLYPH E017-A
130EA	EGYPTIAN HIEROGLYPH E018
130EB	EGYPTIAN HIEROGLYPH E019
130EC	EGYPTIAN HIEROGLYPH E020
130ED	EGYPTIAN HIEROGLYPH E020-A
130EE	EGYPTIAN HIEROGLYPH E021
130EF	EGYPTIAN HIEROGLYPH E022
130F0	EGYPTIAN HIEROGLYPH E023
130F1	EGYPTIAN HIEROGLYPH E024
130F2	EGYPTIAN HIEROGLYPH E025
130F3	EGYPTIAN HIEROGLYPH E026
130F4	EGYPTIAN HIEROGLYPH E027
130F5	EGYPTIAN HIEROGLYPH E028
130F6	EGYPTIAN HIEROGLYPH E028-A
130F7	EGYPTIAN HIEROGLYPH E029
130F8	EGYPTIAN HIEROGLYPH E030
130F9	EGYPTIAN HIEROGLYPH E031
130FA	EGYPTIAN HIEROGLYPH E032
130FB	EGYPTIAN HIEROGLYPH E033
130FC	EGYPTIAN HIEROGLYPH E034
130FD	EGYPTIAN HIEROGLYPH E034-A
130FE	EGYPTIAN HIEROGLYPH E035
130FF	EGYPTIAN HIEROGLYPH E036
13100	EGYPTIAN HIEROGLYPH E037
13101	EGYPTIAN HIEROGLYPH E038

F. Parts of mammals

13102	EGYPTIAN HIEROGLYPH F001
13103	EGYPTIAN HIEROGLYPH F001-A
13104	EGYPTIAN HIEROGLYPH F002
13105	EGYPTIAN HIEROGLYPH F003
13106	EGYPTIAN HIEROGLYPH F004
13107	EGYPTIAN HIEROGLYPH F005
13108	EGYPTIAN HIEROGLYPH F006
13109	EGYPTIAN HIEROGLYPH F007
1310A	EGYPTIAN HIEROGLYPH F008
1310B	EGYPTIAN HIEROGLYPH F009
1310C	EGYPTIAN HIEROGLYPH F010
1310D	EGYPTIAN HIEROGLYPH F011
1310E	EGYPTIAN HIEROGLYPH F012
1310F	EGYPTIAN HIEROGLYPH F013
13110	EGYPTIAN HIEROGLYPH F013-A
13111	EGYPTIAN HIEROGLYPH F014
13112	EGYPTIAN HIEROGLYPH F015
13113	EGYPTIAN HIEROGLYPH F016
13114	EGYPTIAN HIEROGLYPH F017
13115	EGYPTIAN HIEROGLYPH F018
13116	EGYPTIAN HIEROGLYPH F019
13117	EGYPTIAN HIEROGLYPH F020
13118	EGYPTIAN HIEROGLYPH F021
13119	EGYPTIAN HIEROGLYPH F021-A
1311A	EGYPTIAN HIEROGLYPH F022
1311B	EGYPTIAN HIEROGLYPH F023
1311C	EGYPTIAN HIEROGLYPH F024
1311D	EGYPTIAN HIEROGLYPH F025
1311E	EGYPTIAN HIEROGLYPH F026
1311F	EGYPTIAN HIEROGLYPH F027
13120	EGYPTIAN HIEROGLYPH F028
13121	EGYPTIAN HIEROGLYPH F029

13122	EGYPTIAN HIEROGLYPH F030
13123	EGYPTIAN HIEROGLYPH F031
13124	EGYPTIAN HIEROGLYPH F031-A
13125	EGYPTIAN HIEROGLYPH F032
	= h
	→ 1E96 ẖ latin small letter h with line below
13126	EGYPTIAN HIEROGLYPH F033
13127	EGYPTIAN HIEROGLYPH F034
13128	EGYPTIAN HIEROGLYPH F035
13129	EGYPTIAN HIEROGLYPH F036
1312A	EGYPTIAN HIEROGLYPH F037
1312B	EGYPTIAN HIEROGLYPH F037-A
1312C	EGYPTIAN HIEROGLYPH F038
1312D	EGYPTIAN HIEROGLYPH F038-A
1312E	EGYPTIAN HIEROGLYPH F039
1312F	EGYPTIAN HIEROGLYPH F040
13130	EGYPTIAN HIEROGLYPH F041
13131	EGYPTIAN HIEROGLYPH F042
13132	EGYPTIAN HIEROGLYPH F043
13133	EGYPTIAN HIEROGLYPH F044
13134	EGYPTIAN HIEROGLYPH F045
13135	EGYPTIAN HIEROGLYPH F046
13136	EGYPTIAN HIEROGLYPH F046-A
13137	EGYPTIAN HIEROGLYPH F047
13138	EGYPTIAN HIEROGLYPH F047-A
13139	EGYPTIAN HIEROGLYPH F048
1313A	EGYPTIAN HIEROGLYPH F049
1313B	EGYPTIAN HIEROGLYPH F050
1313C	EGYPTIAN HIEROGLYPH F051
1313D	EGYPTIAN HIEROGLYPH F051-A
1313E	EGYPTIAN HIEROGLYPH F051-B
1313F	EGYPTIAN HIEROGLYPH F051-C
13140	EGYPTIAN HIEROGLYPH F052
13141	EGYPTIAN HIEROGLYPH F053

G. Birds

13142	EGYPTIAN HIEROGLYPH G001
	= alef
	→ 05D0 א hebrew letter alef
	→ 0623 أ arabic letter alef with hamza above
	→ A723 latin small letter egyptological alef
13143	EGYPTIAN HIEROGLYPH G002
13144	EGYPTIAN HIEROGLYPH G003
13145	EGYPTIAN HIEROGLYPH G004
13146	EGYPTIAN HIEROGLYPH G005
13147	EGYPTIAN HIEROGLYPH G006
13148	EGYPTIAN HIEROGLYPH G006-A
13149	EGYPTIAN HIEROGLYPH G007
1314A	EGYPTIAN HIEROGLYPH G007-A
1314B	EGYPTIAN HIEROGLYPH G007-B
1314C	EGYPTIAN HIEROGLYPH G008
1314D	EGYPTIAN HIEROGLYPH G009
1314E	EGYPTIAN HIEROGLYPH G010
1314F	EGYPTIAN HIEROGLYPH G011
13150	EGYPTIAN HIEROGLYPH G011-A
13151	EGYPTIAN HIEROGLYPH G012
13152	EGYPTIAN HIEROGLYPH G013
13153	EGYPTIAN HIEROGLYPH G014
13154	EGYPTIAN HIEROGLYPH G015
13155	EGYPTIAN HIEROGLYPH G016
13156	EGYPTIAN HIEROGLYPH G017
	= m
13157	EGYPTIAN HIEROGLYPH G018
13158	EGYPTIAN HIEROGLYPH G019
13159	EGYPTIAN HIEROGLYPH G020
1315A	EGYPTIAN HIEROGLYPH G020-A
1315B	EGYPTIAN HIEROGLYPH G021
1315C	EGYPTIAN HIEROGLYPH G022

1315D		EGYPTIAN HIEROGLYPH G023
1315E		EGYPTIAN HIEROGLYPH G024
1315F		EGYPTIAN HIEROGLYPH G025
13160		EGYPTIAN HIEROGLYPH G026
13161		EGYPTIAN HIEROGLYPH G026-A
13162		EGYPTIAN HIEROGLYPH G027
13163		EGYPTIAN HIEROGLYPH G028
13164		EGYPTIAN HIEROGLYPH G029
13165		EGYPTIAN HIEROGLYPH G030
13166		EGYPTIAN HIEROGLYPH G031
13167		EGYPTIAN HIEROGLYPH G032
13168		EGYPTIAN HIEROGLYPH G033
13169		EGYPTIAN HIEROGLYPH G034
1316A		EGYPTIAN HIEROGLYPH G035
1316B		EGYPTIAN HIEROGLYPH G036
1316C		EGYPTIAN HIEROGLYPH G036-A
1316D		EGYPTIAN HIEROGLYPH G037
1316E		EGYPTIAN HIEROGLYPH G037-A
1316F		EGYPTIAN HIEROGLYPH G038
13170		EGYPTIAN HIEROGLYPH G039
13171		EGYPTIAN HIEROGLYPH G040
13172		EGYPTIAN HIEROGLYPH G041
13173		EGYPTIAN HIEROGLYPH G042
13174		EGYPTIAN HIEROGLYPH G043
		= w
13175		EGYPTIAN HIEROGLYPH G043-A
13176		EGYPTIAN HIEROGLYPH G044
13177		EGYPTIAN HIEROGLYPH G045
13178		EGYPTIAN HIEROGLYPH G045-A
13179		EGYPTIAN HIEROGLYPH G046
1317A		EGYPTIAN HIEROGLYPH G047
1317B		EGYPTIAN HIEROGLYPH G048
1317C		EGYPTIAN HIEROGLYPH G049
1317D		EGYPTIAN HIEROGLYPH G050
1317E		EGYPTIAN HIEROGLYPH G051
1317F		EGYPTIAN HIEROGLYPH G052
13180		EGYPTIAN HIEROGLYPH G053
13181		EGYPTIAN HIEROGLYPH G054

H. Parts of birds

13182		EGYPTIAN HIEROGLYPH H001
13183		EGYPTIAN HIEROGLYPH H002
13184		EGYPTIAN HIEROGLYPH H003
13185		EGYPTIAN HIEROGLYPH H004
13186		EGYPTIAN HIEROGLYPH H005
13187		EGYPTIAN HIEROGLYPH H006
13188		EGYPTIAN HIEROGLYPH H006-A
13189		EGYPTIAN HIEROGLYPH H007
1318A		EGYPTIAN HIEROGLYPH H008

I. Amphibious animals, reptiles, etc.

1318B		EGYPTIAN HIEROGLYPH I001
1318C		EGYPTIAN HIEROGLYPH I002
1318D		EGYPTIAN HIEROGLYPH I003
1318E		EGYPTIAN HIEROGLYPH I004
1318F		EGYPTIAN HIEROGLYPH I005
13190		EGYPTIAN HIEROGLYPH I005-A
13191		EGYPTIAN HIEROGLYPH I006
13192		EGYPTIAN HIEROGLYPH I007
13193		EGYPTIAN HIEROGLYPH I008
		= 100,000
13194		EGYPTIAN HIEROGLYPH I009
		= f
13195		EGYPTIAN HIEROGLYPH I009-A
13196		EGYPTIAN HIEROGLYPH I010
		= dj
		→ 1E0F ḏ latin small letter d with line below
13197		EGYPTIAN HIEROGLYPH I010-A

13198		EGYPTIAN HIEROGLYPH I011
13199		EGYPTIAN HIEROGLYPH I011-A
1319A		EGYPTIAN HIEROGLYPH I012
1319B		EGYPTIAN HIEROGLYPH I013
1319C		EGYPTIAN HIEROGLYPH I014
1319D		EGYPTIAN HIEROGLYPH I015

K. Fishes and parts of fishes

1319E		EGYPTIAN HIEROGLYPH K001
1319F		EGYPTIAN HIEROGLYPH K002
131A0		EGYPTIAN HIEROGLYPH K003
131A1		EGYPTIAN HIEROGLYPH K004
131A2		EGYPTIAN HIEROGLYPH K005
131A3		EGYPTIAN HIEROGLYPH K006
131A4		EGYPTIAN HIEROGLYPH K007
131A5		EGYPTIAN HIEROGLYPH K008

L. Invertebrata and lesser animals

131A6		EGYPTIAN HIEROGLYPH L001
131A7		EGYPTIAN HIEROGLYPH L002
131A8		EGYPTIAN HIEROGLYPH L002-A
131A9		EGYPTIAN HIEROGLYPH L003
131AA		EGYPTIAN HIEROGLYPH L004
131AB		EGYPTIAN HIEROGLYPH L005
131AC		EGYPTIAN HIEROGLYPH L006
131AD		EGYPTIAN HIEROGLYPH L006-A
131AE		EGYPTIAN HIEROGLYPH L007
131AF		EGYPTIAN HIEROGLYPH L008

M. Trees and plants

131B0		EGYPTIAN HIEROGLYPH M001
131B1		EGYPTIAN HIEROGLYPH M001-A
131B2		EGYPTIAN HIEROGLYPH M001-B
131B3		EGYPTIAN HIEROGLYPH M002
131B4		EGYPTIAN HIEROGLYPH M003
131B5		EGYPTIAN HIEROGLYPH M003-A
131B6		EGYPTIAN HIEROGLYPH M004
131B7		EGYPTIAN HIEROGLYPH M005
131B8		EGYPTIAN HIEROGLYPH M006
131B9		EGYPTIAN HIEROGLYPH M007
131BA		EGYPTIAN HIEROGLYPH M008
131BB		EGYPTIAN HIEROGLYPH M009
131BC		EGYPTIAN HIEROGLYPH M010
131BD		EGYPTIAN HIEROGLYPH M010-A
131BE		EGYPTIAN HIEROGLYPH M011
131BF		EGYPTIAN HIEROGLYPH M012
		= 1,000
131C0		EGYPTIAN HIEROGLYPH M013
131C1		EGYPTIAN HIEROGLYPH M014
131C2		EGYPTIAN HIEROGLYPH M015
131C3		EGYPTIAN HIEROGLYPH M015-A
131C4		EGYPTIAN HIEROGLYPH M016
131C5		EGYPTIAN HIEROGLYPH M016-A
131C6		EGYPTIAN HIEROGLYPH M017
		= yod
		→ 0069 i latin small letter i + 0486 ̆ combining cyrillic psili pneumata
		→ 05D9 ׳ hebrew letter yod
		→ 064A ي arabic letter yeh
131C7		EGYPTIAN HIEROGLYPH M017-A
		= y
		→ 133DA ̄ egyptian hieroglyph z004
131C8		EGYPTIAN HIEROGLYPH M018
131C9		EGYPTIAN HIEROGLYPH M019
131CA		EGYPTIAN HIEROGLYPH M020
131CB		EGYPTIAN HIEROGLYPH M021
131CC		EGYPTIAN HIEROGLYPH M022
131CD		EGYPTIAN HIEROGLYPH M022-A

131CE		EGYPTIAN HIEROGLYPH M023
131CF		EGYPTIAN HIEROGLYPH M024
131D0		EGYPTIAN HIEROGLYPH M024-A
131D1		EGYPTIAN HIEROGLYPH M025
131D2		EGYPTIAN HIEROGLYPH M026
131D3		EGYPTIAN HIEROGLYPH M027
131D4		EGYPTIAN HIEROGLYPH M028
131D5		EGYPTIAN HIEROGLYPH M028-A
131D6		EGYPTIAN HIEROGLYPH M029
131D7		EGYPTIAN HIEROGLYPH M030
131D8		EGYPTIAN HIEROGLYPH M031
131D9		EGYPTIAN HIEROGLYPH M031-A
131DA		EGYPTIAN HIEROGLYPH M032
131DB		EGYPTIAN HIEROGLYPH M033
131DC		EGYPTIAN HIEROGLYPH M033-A
131DD		EGYPTIAN HIEROGLYPH M034
131DE		EGYPTIAN HIEROGLYPH M035
131DF		EGYPTIAN HIEROGLYPH M036
131E0		EGYPTIAN HIEROGLYPH M037
131E1		EGYPTIAN HIEROGLYPH M038
131E2		EGYPTIAN HIEROGLYPH M039
131E3		EGYPTIAN HIEROGLYPH M040
131E4		EGYPTIAN HIEROGLYPH M040-A
131E5		EGYPTIAN HIEROGLYPH M041
131E6		EGYPTIAN HIEROGLYPH M042
131E7		EGYPTIAN HIEROGLYPH M043
131E8		EGYPTIAN HIEROGLYPH M044
131E9		EGYPTIAN HIEROGLYPH M045
		= 2,000
131EA		EGYPTIAN HIEROGLYPH M046
		= 3,000
131EB		EGYPTIAN HIEROGLYPH M047
		= 4,000
131EC		EGYPTIAN HIEROGLYPH M048
		= 5,000
131ED		EGYPTIAN HIEROGLYPH M049
		= 6,000
131EE		EGYPTIAN HIEROGLYPH M050
		= 7,000
131EF		EGYPTIAN HIEROGLYPH M051
		= 8,000
131F0		EGYPTIAN HIEROGLYPH M052
		= 9,000

N. Sky, earth, water

131F1		EGYPTIAN HIEROGLYPH N001
131F2		EGYPTIAN HIEROGLYPH N002
131F3		EGYPTIAN HIEROGLYPH N003
131F4		EGYPTIAN HIEROGLYPH N004
131F5		EGYPTIAN HIEROGLYPH N005
131F6		EGYPTIAN HIEROGLYPH N006
131F7		EGYPTIAN HIEROGLYPH N007
131F8		EGYPTIAN HIEROGLYPH N008
131F9		EGYPTIAN HIEROGLYPH N009
131FA		EGYPTIAN HIEROGLYPH N010
131FB		EGYPTIAN HIEROGLYPH N011
131FC		EGYPTIAN HIEROGLYPH N012
131FD		EGYPTIAN HIEROGLYPH N013
131FE		EGYPTIAN HIEROGLYPH N014
131FF		EGYPTIAN HIEROGLYPH N015
13200		EGYPTIAN HIEROGLYPH N016
13201		EGYPTIAN HIEROGLYPH N017
13202		EGYPTIAN HIEROGLYPH N018
13203		EGYPTIAN HIEROGLYPH N018-A
13204		EGYPTIAN HIEROGLYPH N018-B
13205		EGYPTIAN HIEROGLYPH N019
13206		EGYPTIAN HIEROGLYPH N020
13207		EGYPTIAN HIEROGLYPH N021

13208		EGYPTIAN HIEROGLYPH N022
13209		EGYPTIAN HIEROGLYPH N023
1320A		EGYPTIAN HIEROGLYPH N024
1320B		EGYPTIAN HIEROGLYPH N025
1320C		EGYPTIAN HIEROGLYPH N025-A
1320D		EGYPTIAN HIEROGLYPH N026
1320E		EGYPTIAN HIEROGLYPH N027
1320F		EGYPTIAN HIEROGLYPH N028
13210		EGYPTIAN HIEROGLYPH N029
		= q
		→ 05E7 ק hebrew letter qof
		→ 0642 ق arabic letter qaf
		→ 1E33 ḳ latin small letter k with dot below
13211		EGYPTIAN HIEROGLYPH N030
13212		EGYPTIAN HIEROGLYPH N031
13213		EGYPTIAN HIEROGLYPH N032
13214		EGYPTIAN HIEROGLYPH N033
13215		EGYPTIAN HIEROGLYPH N033-A
13216		EGYPTIAN HIEROGLYPH N034
13217		EGYPTIAN HIEROGLYPH N034-A
13218		EGYPTIAN HIEROGLYPH N035
		= n
13219		EGYPTIAN HIEROGLYPH N035-A
1321A		EGYPTIAN HIEROGLYPH N036
1321B		EGYPTIAN HIEROGLYPH N037
		= sh
		→ 0161 š latin small letter s with caron
1321C		EGYPTIAN HIEROGLYPH N037-A
1321D		EGYPTIAN HIEROGLYPH N038
1321E		EGYPTIAN HIEROGLYPH N039
1321F		EGYPTIAN HIEROGLYPH N040
13220		EGYPTIAN HIEROGLYPH N041
13221		EGYPTIAN HIEROGLYPH N042

NL. Nomes of Lower Egypt

13222		EGYPTIAN HIEROGLYPH NL001
13223		EGYPTIAN HIEROGLYPH NL002
13224		EGYPTIAN HIEROGLYPH NL003
13225		EGYPTIAN HIEROGLYPH NL004
13226		EGYPTIAN HIEROGLYPH NL005
13227		EGYPTIAN HIEROGLYPH NL005-A
13228		EGYPTIAN HIEROGLYPH NL006
13229		EGYPTIAN HIEROGLYPH NL007
1322A		EGYPTIAN HIEROGLYPH NL008
1322B		EGYPTIAN HIEROGLYPH NL009
1322C		EGYPTIAN HIEROGLYPH NL010
1322D		EGYPTIAN HIEROGLYPH NL011
1322E		EGYPTIAN HIEROGLYPH NL012
1322F		EGYPTIAN HIEROGLYPH NL013
13230		EGYPTIAN HIEROGLYPH NL014
13231		EGYPTIAN HIEROGLYPH NL015
13232		EGYPTIAN HIEROGLYPH NL016
13233		EGYPTIAN HIEROGLYPH NL017
13234		EGYPTIAN HIEROGLYPH NL017-A
13235		EGYPTIAN HIEROGLYPH NL018
13236		EGYPTIAN HIEROGLYPH NL019
13237		EGYPTIAN HIEROGLYPH NL020

NU. Nomes of Upper Egypt

13238		EGYPTIAN HIEROGLYPH NU001
13239		EGYPTIAN HIEROGLYPH NU002
1323A		EGYPTIAN HIEROGLYPH NU003
1323B		EGYPTIAN HIEROGLYPH NU004
1323C		EGYPTIAN HIEROGLYPH NU005
1323D		EGYPTIAN HIEROGLYPH NU006
1323E		EGYPTIAN HIEROGLYPH NU007
1323F		EGYPTIAN HIEROGLYPH NU008
13240		EGYPTIAN HIEROGLYPH NU009

13241		EGYPTIAN HIEROGLYPH NU010
13242		EGYPTIAN HIEROGLYPH NU010-A
13243		EGYPTIAN HIEROGLYPH NU011
13244		EGYPTIAN HIEROGLYPH NU011-A
13245		EGYPTIAN HIEROGLYPH NU012
13246		EGYPTIAN HIEROGLYPH NU013
13247		EGYPTIAN HIEROGLYPH NU014
13248		EGYPTIAN HIEROGLYPH NU015
13249		EGYPTIAN HIEROGLYPH NU016
1324A		EGYPTIAN HIEROGLYPH NU017
1324B		EGYPTIAN HIEROGLYPH NU018
1324C		EGYPTIAN HIEROGLYPH NU018-A
1324D		EGYPTIAN HIEROGLYPH NU019
1324E		EGYPTIAN HIEROGLYPH NU020
1324F		EGYPTIAN HIEROGLYPH NU021
13250		EGYPTIAN HIEROGLYPH NU022
13251		EGYPTIAN HIEROGLYPH NU022-A

O. Buildings, parts of buildings, etc.

13252		EGYPTIAN HIEROGLYPH O001
13253		EGYPTIAN HIEROGLYPH O001-A
13254		EGYPTIAN HIEROGLYPH O002
13255		EGYPTIAN HIEROGLYPH O003
13256		EGYPTIAN HIEROGLYPH O004

    = h
    → 05D4 ה hebrew letter he
    → 0647 ه arabic letter heh

13257		EGYPTIAN HIEROGLYPH O005
13258		EGYPTIAN HIEROGLYPH O005-A
13259		EGYPTIAN HIEROGLYPH O006
1325A		EGYPTIAN HIEROGLYPH O007
1325B		EGYPTIAN HIEROGLYPH O008
1325C		EGYPTIAN HIEROGLYPH O009
1325D		EGYPTIAN HIEROGLYPH O010
1325E		EGYPTIAN HIEROGLYPH O010-A
1325F		EGYPTIAN HIEROGLYPH O010-B
13260		EGYPTIAN HIEROGLYPH O010-C
13261		EGYPTIAN HIEROGLYPH O011
13262		EGYPTIAN HIEROGLYPH O012
13263		EGYPTIAN HIEROGLYPH O013
13264		EGYPTIAN HIEROGLYPH O014
13265		EGYPTIAN HIEROGLYPH O015
13266		EGYPTIAN HIEROGLYPH O016
13267		EGYPTIAN HIEROGLYPH O017
13268		EGYPTIAN HIEROGLYPH O018
13269		EGYPTIAN HIEROGLYPH O019
1326A		EGYPTIAN HIEROGLYPH O019-A
1326B		EGYPTIAN HIEROGLYPH O020
1326C		EGYPTIAN HIEROGLYPH O020-A
1326D		EGYPTIAN HIEROGLYPH O021
1326E		EGYPTIAN HIEROGLYPH O022
1326F		EGYPTIAN HIEROGLYPH O023
13270		EGYPTIAN HIEROGLYPH O024
13271		EGYPTIAN HIEROGLYPH O024-A
13272		EGYPTIAN HIEROGLYPH O025
13273		EGYPTIAN HIEROGLYPH O025-A
13274		EGYPTIAN HIEROGLYPH O026
13275		EGYPTIAN HIEROGLYPH O027
13276		EGYPTIAN HIEROGLYPH O028
13277		EGYPTIAN HIEROGLYPH O029
13278		EGYPTIAN HIEROGLYPH O030
13279		EGYPTIAN HIEROGLYPH O030-A
1327A		EGYPTIAN HIEROGLYPH O031
1327B		EGYPTIAN HIEROGLYPH O032
1327C		EGYPTIAN HIEROGLYPH O033
1327D		EGYPTIAN HIEROGLYPH O034

    = s, z
    → 132E5 egyptian hieroglyph s029

1327E		EGYPTIAN HIEROGLYPH O035
1327F		EGYPTIAN HIEROGLYPH O036
13280		EGYPTIAN HIEROGLYPH O037
13281		EGYPTIAN HIEROGLYPH O038
13282		EGYPTIAN HIEROGLYPH O039
13283		EGYPTIAN HIEROGLYPH O040
13284		EGYPTIAN HIEROGLYPH O041
13285		EGYPTIAN HIEROGLYPH O042
13286		EGYPTIAN HIEROGLYPH O043
13287		EGYPTIAN HIEROGLYPH O044
13288		EGYPTIAN HIEROGLYPH O045
13289		EGYPTIAN HIEROGLYPH O046
1328A		EGYPTIAN HIEROGLYPH O047
1328B		EGYPTIAN HIEROGLYPH O048
1328C		EGYPTIAN HIEROGLYPH O049
1328D		EGYPTIAN HIEROGLYPH O050
1328E		EGYPTIAN HIEROGLYPH O051

P. Ships and parts of ships

1328F		EGYPTIAN HIEROGLYPH P001
13290		EGYPTIAN HIEROGLYPH P001-A
13291		EGYPTIAN HIEROGLYPH P002
13292		EGYPTIAN HIEROGLYPH P003
13293		EGYPTIAN HIEROGLYPH P003-A
13294		EGYPTIAN HIEROGLYPH P004
13295		EGYPTIAN HIEROGLYPH P005
13296		EGYPTIAN HIEROGLYPH P006
13297		EGYPTIAN HIEROGLYPH P007
13298		EGYPTIAN HIEROGLYPH P008
13299		EGYPTIAN HIEROGLYPH P009
1329A		EGYPTIAN HIEROGLYPH P010
1329B		EGYPTIAN HIEROGLYPH P011

Q. Domestic and funerary furniture

1329C		EGYPTIAN HIEROGLYPH Q001
1329D		EGYPTIAN HIEROGLYPH Q002
1329E		EGYPTIAN HIEROGLYPH Q003

    = p

1329F		EGYPTIAN HIEROGLYPH Q004
132A0		EGYPTIAN HIEROGLYPH Q005
132A1		EGYPTIAN HIEROGLYPH Q006
132A2		EGYPTIAN HIEROGLYPH Q007

R. Temple furniture and sacred emblems

132A3		EGYPTIAN HIEROGLYPH R001
132A4		EGYPTIAN HIEROGLYPH R002
132A5		EGYPTIAN HIEROGLYPH R002-A
132A6		EGYPTIAN HIEROGLYPH R003
132A7		EGYPTIAN HIEROGLYPH R003-A
132A8		EGYPTIAN HIEROGLYPH R003-B
132A9		EGYPTIAN HIEROGLYPH R004
132AA		EGYPTIAN HIEROGLYPH R005
132AB		EGYPTIAN HIEROGLYPH R006
132AC		EGYPTIAN HIEROGLYPH R007
132AD		EGYPTIAN HIEROGLYPH R008
132AE		EGYPTIAN HIEROGLYPH R009
132AF		EGYPTIAN HIEROGLYPH R010
132B0		EGYPTIAN HIEROGLYPH R010-A
132B1		EGYPTIAN HIEROGLYPH R011
132B2		EGYPTIAN HIEROGLYPH R012
132B3		EGYPTIAN HIEROGLYPH R013
132B4		EGYPTIAN HIEROGLYPH R014
132B5		EGYPTIAN HIEROGLYPH R015
132B6		EGYPTIAN HIEROGLYPH R016
132B7		EGYPTIAN HIEROGLYPH R016-A
132B8		EGYPTIAN HIEROGLYPH R017
132B9		EGYPTIAN HIEROGLYPH R018
132BA		EGYPTIAN HIEROGLYPH R019
132BB		EGYPTIAN HIEROGLYPH R020

132BC		EGYPTIAN HIEROGLYPH R021
132BD		EGYPTIAN HIEROGLYPH R022
132BE		EGYPTIAN HIEROGLYPH R023
132BF		EGYPTIAN HIEROGLYPH R024
132C0		EGYPTIAN HIEROGLYPH R025
132C1		EGYPTIAN HIEROGLYPH R026
132C2		EGYPTIAN HIEROGLYPH R027
132C3		EGYPTIAN HIEROGLYPH R028
132C4		EGYPTIAN HIEROGLYPH R029

S. Crowns, dress, staves, etc.

132C5		EGYPTIAN HIEROGLYPH S001
132C6		EGYPTIAN HIEROGLYPH S002
132C7		EGYPTIAN HIEROGLYPH S002-A
132C8		EGYPTIAN HIEROGLYPH S003
132C9		EGYPTIAN HIEROGLYPH S004
132CA		EGYPTIAN HIEROGLYPH S005
132CB		EGYPTIAN HIEROGLYPH S006
132CC		EGYPTIAN HIEROGLYPH S006-A
132CD		EGYPTIAN HIEROGLYPH S007
132CE		EGYPTIAN HIEROGLYPH S008
132CF		EGYPTIAN HIEROGLYPH S009
132D0		EGYPTIAN HIEROGLYPH S010
132D1		EGYPTIAN HIEROGLYPH S011
132D2		EGYPTIAN HIEROGLYPH S012
132D3		EGYPTIAN HIEROGLYPH S013
132D4		EGYPTIAN HIEROGLYPH S014
132D5		EGYPTIAN HIEROGLYPH S014-A
132D6		EGYPTIAN HIEROGLYPH S014-B
132D7		EGYPTIAN HIEROGLYPH S015
132D8		EGYPTIAN HIEROGLYPH S016
132D9		EGYPTIAN HIEROGLYPH S017
132DA		EGYPTIAN HIEROGLYPH S017-A
132DB		EGYPTIAN HIEROGLYPH S018
132DC		EGYPTIAN HIEROGLYPH S019
132DD		EGYPTIAN HIEROGLYPH S020
132DE		EGYPTIAN HIEROGLYPH S021
132DF		EGYPTIAN HIEROGLYPH S022
132E0		EGYPTIAN HIEROGLYPH S023
132E1		EGYPTIAN HIEROGLYPH S024
132E2		EGYPTIAN HIEROGLYPH S025
132E3		EGYPTIAN HIEROGLYPH S026
132E4		EGYPTIAN HIEROGLYPH S027
132E5		EGYPTIAN HIEROGLYPH S028
132E6		EGYPTIAN HIEROGLYPH S029

≡ s, z

→ 1327C ⛩ egyptian hieroglyph o034

132E7		EGYPTIAN HIEROGLYPH S030
132E8		EGYPTIAN HIEROGLYPH S031
132E9		EGYPTIAN HIEROGLYPH S032
132EA		EGYPTIAN HIEROGLYPH S033
132EB		EGYPTIAN HIEROGLYPH S034
132EC		EGYPTIAN HIEROGLYPH S035
132ED		EGYPTIAN HIEROGLYPH S035-A
132EE		EGYPTIAN HIEROGLYPH S036
132EF		EGYPTIAN HIEROGLYPH S037
132F0		EGYPTIAN HIEROGLYPH S038
132F1		EGYPTIAN HIEROGLYPH S039
132F2		EGYPTIAN HIEROGLYPH S040
132F3		EGYPTIAN HIEROGLYPH S041
132F4		EGYPTIAN HIEROGLYPH S042
132F5		EGYPTIAN HIEROGLYPH S043
132F6		EGYPTIAN HIEROGLYPH S044
132F7		EGYPTIAN HIEROGLYPH S045
132F8		EGYPTIAN HIEROGLYPH S046

T. Warfare, hunting, butchery

132F9		EGYPTIAN HIEROGLYPH T001
132FA		EGYPTIAN HIEROGLYPH T002
132FB		EGYPTIAN HIEROGLYPH T003
132FC		EGYPTIAN HIEROGLYPH T003-A
132FD		EGYPTIAN HIEROGLYPH T004
132FE		EGYPTIAN HIEROGLYPH T005
132FF		EGYPTIAN HIEROGLYPH T006
13300		EGYPTIAN HIEROGLYPH T007
13301		EGYPTIAN HIEROGLYPH T007-A
13302		EGYPTIAN HIEROGLYPH T008
13303		EGYPTIAN HIEROGLYPH T008-A
13304		EGYPTIAN HIEROGLYPH T009
13305		EGYPTIAN HIEROGLYPH T009-A
13306		EGYPTIAN HIEROGLYPH T010
13307		EGYPTIAN HIEROGLYPH T011
13308		EGYPTIAN HIEROGLYPH T011-A
13309		EGYPTIAN HIEROGLYPH T012
1330A		EGYPTIAN HIEROGLYPH T013
1330B		EGYPTIAN HIEROGLYPH T014
1330C		EGYPTIAN HIEROGLYPH T015
1330D		EGYPTIAN HIEROGLYPH T016
1330E		EGYPTIAN HIEROGLYPH T016-A
1330F		EGYPTIAN HIEROGLYPH T017
13310		EGYPTIAN HIEROGLYPH T018
13311		EGYPTIAN HIEROGLYPH T019
13312		EGYPTIAN HIEROGLYPH T020
13313		EGYPTIAN HIEROGLYPH T021
13314		EGYPTIAN HIEROGLYPH T022
13315		EGYPTIAN HIEROGLYPH T023
13316		EGYPTIAN HIEROGLYPH T024
13317		EGYPTIAN HIEROGLYPH T025
13318		EGYPTIAN HIEROGLYPH T026
13319		EGYPTIAN HIEROGLYPH T027
1331A		EGYPTIAN HIEROGLYPH T028
1331B		EGYPTIAN HIEROGLYPH T029
1331C		EGYPTIAN HIEROGLYPH T030
1331D		EGYPTIAN HIEROGLYPH T031
1331E		EGYPTIAN HIEROGLYPH T032
1331F		EGYPTIAN HIEROGLYPH T032-A
13320		EGYPTIAN HIEROGLYPH T033
13321		EGYPTIAN HIEROGLYPH T033-A
13322		EGYPTIAN HIEROGLYPH T034
13323		EGYPTIAN HIEROGLYPH T035
13324		EGYPTIAN HIEROGLYPH T036

U. Agriculture, crafts, and professions

13325		EGYPTIAN HIEROGLYPH U001
13326		EGYPTIAN HIEROGLYPH U002
13327		EGYPTIAN HIEROGLYPH U003
13328		EGYPTIAN HIEROGLYPH U004
13329		EGYPTIAN HIEROGLYPH U005
1332A		EGYPTIAN HIEROGLYPH U006
1332B		EGYPTIAN HIEROGLYPH U006-A
1332C		EGYPTIAN HIEROGLYPH U006-B
1332D		EGYPTIAN HIEROGLYPH U007
1332E		EGYPTIAN HIEROGLYPH U008
1332F		EGYPTIAN HIEROGLYPH U009
13330		EGYPTIAN HIEROGLYPH U010
13331		EGYPTIAN HIEROGLYPH U011
13332		EGYPTIAN HIEROGLYPH U012
13333		EGYPTIAN HIEROGLYPH U013
13334		EGYPTIAN HIEROGLYPH U014
13335		EGYPTIAN HIEROGLYPH U015
13336		EGYPTIAN HIEROGLYPH U016
13337		EGYPTIAN HIEROGLYPH U017
13338		EGYPTIAN HIEROGLYPH U018
13339		EGYPTIAN HIEROGLYPH U019
1333A		EGYPTIAN HIEROGLYPH U020
1333B		EGYPTIAN HIEROGLYPH U021
1333C		EGYPTIAN HIEROGLYPH U022
1333D		EGYPTIAN HIEROGLYPH U023

1333E		EGYPTIAN HIEROGLYPH U023-A
1333F		EGYPTIAN HIEROGLYPH U024
13340		EGYPTIAN HIEROGLYPH U025
13341		EGYPTIAN HIEROGLYPH U026
13342		EGYPTIAN HIEROGLYPH U027
13343		EGYPTIAN HIEROGLYPH U028
13344		EGYPTIAN HIEROGLYPH U029
13345		EGYPTIAN HIEROGLYPH U029-A
13346		EGYPTIAN HIEROGLYPH U030
13347		EGYPTIAN HIEROGLYPH U031
13348		EGYPTIAN HIEROGLYPH U032
13349		EGYPTIAN HIEROGLYPH U032-A
1334A		EGYPTIAN HIEROGLYPH U033
1334B		EGYPTIAN HIEROGLYPH U034
1334C		EGYPTIAN HIEROGLYPH U035
1334D		EGYPTIAN HIEROGLYPH U036
1334E		EGYPTIAN HIEROGLYPH U037
1334F		EGYPTIAN HIEROGLYPH U038
13350		EGYPTIAN HIEROGLYPH U039
13351		EGYPTIAN HIEROGLYPH U040
13352		EGYPTIAN HIEROGLYPH U041
13353		EGYPTIAN HIEROGLYPH U042

V. Rope, fibre, baskets, bags, etc.

13354		EGYPTIAN HIEROGLYPH V001
		= 100
13355		EGYPTIAN HIEROGLYPH V002
13356		EGYPTIAN HIEROGLYPH V002-A
13357		EGYPTIAN HIEROGLYPH V003
13358		EGYPTIAN HIEROGLYPH V004
13359		EGYPTIAN HIEROGLYPH V005
1335A		EGYPTIAN HIEROGLYPH V006
1335B		EGYPTIAN HIEROGLYPH V007
1335C		EGYPTIAN HIEROGLYPH V007-A
1335D		EGYPTIAN HIEROGLYPH V007-B
1335E		EGYPTIAN HIEROGLYPH V008
1335F		EGYPTIAN HIEROGLYPH V009
13360		EGYPTIAN HIEROGLYPH V010
13361		EGYPTIAN HIEROGLYPH V011
13362		EGYPTIAN HIEROGLYPH V011-A
		= beginning of cartouche
13363		EGYPTIAN HIEROGLYPH V011-B
		= end of cartouche
13364		EGYPTIAN HIEROGLYPH V012
13365		EGYPTIAN HIEROGLYPH V012-A
13366		EGYPTIAN HIEROGLYPH V012-B
13367		EGYPTIAN HIEROGLYPH V013
		= tj
		→ 1E6F t̠ latin small letter t with line below
13368		EGYPTIAN HIEROGLYPH V014
13369		EGYPTIAN HIEROGLYPH V015
1336A		EGYPTIAN HIEROGLYPH V016
1336B		EGYPTIAN HIEROGLYPH V017
1336C		EGYPTIAN HIEROGLYPH V018
1336D		EGYPTIAN HIEROGLYPH V019
1336E		EGYPTIAN HIEROGLYPH V020
		= 10
1336F		EGYPTIAN HIEROGLYPH V020-A
		= 10 in dates
13370		EGYPTIAN HIEROGLYPH V021
13371		EGYPTIAN HIEROGLYPH V022
13372		EGYPTIAN HIEROGLYPH V023
13373		EGYPTIAN HIEROGLYPH V023-A
13374		EGYPTIAN HIEROGLYPH V024
13375		EGYPTIAN HIEROGLYPH V025
13376		EGYPTIAN HIEROGLYPH V026
13377		EGYPTIAN HIEROGLYPH V027

13378		EGYPTIAN HIEROGLYPH V028
		= h
		→ 062D ح arabic letter hah
		→ 1E25 ḥ latin small letter h with dot below
13379		EGYPTIAN HIEROGLYPH V028-A
1337A		EGYPTIAN HIEROGLYPH V029
1337B		EGYPTIAN HIEROGLYPH V029-A
1337C		EGYPTIAN HIEROGLYPH V030
1337D		EGYPTIAN HIEROGLYPH V030-A
1337E		EGYPTIAN HIEROGLYPH V031
		= k
		→ 05DB כ hebrew letter kaf
		→ 0643 ك arabic letter kaf
1337F		EGYPTIAN HIEROGLYPH V031-A
13380		EGYPTIAN HIEROGLYPH V032
13381		EGYPTIAN HIEROGLYPH V033
13382		EGYPTIAN HIEROGLYPH V033-A
13383		EGYPTIAN HIEROGLYPH V034
13384		EGYPTIAN HIEROGLYPH V035
13385		EGYPTIAN HIEROGLYPH V036
13386		EGYPTIAN HIEROGLYPH V037
13387		EGYPTIAN HIEROGLYPH V037-A
13388		EGYPTIAN HIEROGLYPH V038
13389		EGYPTIAN HIEROGLYPH V039
1338A		EGYPTIAN HIEROGLYPH V040
		= 200
1338B		EGYPTIAN HIEROGLYPH V041
		= 300
1338C		EGYPTIAN HIEROGLYPH V042
		= 400
1338D		EGYPTIAN HIEROGLYPH V042-A
		= 400
1338E		EGYPTIAN HIEROGLYPH V043
		= 500
1338F		EGYPTIAN HIEROGLYPH V043-A
		= 500
13390		EGYPTIAN HIEROGLYPH V044
		= 600
13391		EGYPTIAN HIEROGLYPH V044-A
		= 600
13392		EGYPTIAN HIEROGLYPH V045
		= 700
13393		EGYPTIAN HIEROGLYPH V045-A
		= 700
13394		EGYPTIAN HIEROGLYPH V046
		= 800
13395		EGYPTIAN HIEROGLYPH V047
		= 900
13396		EGYPTIAN HIEROGLYPH V047-A
		= 900
13397		EGYPTIAN HIEROGLYPH V048
		= 20
13398		EGYPTIAN HIEROGLYPH V048-A
		= 20
13399		EGYPTIAN HIEROGLYPH V048-B
		= 20 in dates
1339A		EGYPTIAN HIEROGLYPH V049
		= 30
1339B		EGYPTIAN HIEROGLYPH V049-A
		= 30
1339C		EGYPTIAN HIEROGLYPH V050
		= 40
1339D		EGYPTIAN HIEROGLYPH V050-A
		= 40

1339E	ᨈ	EGYPTIAN HIEROGLYPH V051
		= 50
1339F	ᨈ	EGYPTIAN HIEROGLYPH V051-A
		= 50
133A0	ᨈ	EGYPTIAN HIEROGLYPH V052
		= 60
133A1	ᨈ	EGYPTIAN HIEROGLYPH V053
		= 70
133A2	ᨈ	EGYPTIAN HIEROGLYPH V054
		= 80
133A3	ᨈ	EGYPTIAN HIEROGLYPH V055
		= 90

W. Vessels of stone and earthenware

133A4		EGYPTIAN HIEROGLYPH W001
133A5		EGYPTIAN HIEROGLYPH W002
133A6		EGYPTIAN HIEROGLYPH W003
133A7		EGYPTIAN HIEROGLYPH W003-A
133A8		EGYPTIAN HIEROGLYPH W004
133A9		EGYPTIAN HIEROGLYPH W005
133AA		EGYPTIAN HIEROGLYPH W006
133AB		EGYPTIAN HIEROGLYPH W007
133AC		EGYPTIAN HIEROGLYPH W008
133AD		EGYPTIAN HIEROGLYPH W009
133AE		EGYPTIAN HIEROGLYPH W009-A
133AF		EGYPTIAN HIEROGLYPH W010
133B0		EGYPTIAN HIEROGLYPH W010-A
133B1		EGYPTIAN HIEROGLYPH W011
		= g
133B2		EGYPTIAN HIEROGLYPH W012
133B3		EGYPTIAN HIEROGLYPH W013
133B4		EGYPTIAN HIEROGLYPH W014
133B5		EGYPTIAN HIEROGLYPH W014-A
133B6		EGYPTIAN HIEROGLYPH W015
133B7		EGYPTIAN HIEROGLYPH W016
133B8		EGYPTIAN HIEROGLYPH W017
133B9		EGYPTIAN HIEROGLYPH W017-A
133BA		EGYPTIAN HIEROGLYPH W018
133BB		EGYPTIAN HIEROGLYPH W019
133BC		EGYPTIAN HIEROGLYPH W020
133BD		EGYPTIAN HIEROGLYPH W021
133BE		EGYPTIAN HIEROGLYPH W022
133BF		EGYPTIAN HIEROGLYPH W023
133C0		EGYPTIAN HIEROGLYPH W024
133C1		EGYPTIAN HIEROGLYPH W024-A
133C2		EGYPTIAN HIEROGLYPH W025

X. Loaves and cakes

133C3		EGYPTIAN HIEROGLYPH X001
		= t
133C4		EGYPTIAN HIEROGLYPH X002
133C5		EGYPTIAN HIEROGLYPH X003
133C6		EGYPTIAN HIEROGLYPH X004
133C7		EGYPTIAN HIEROGLYPH X004-A
133C8		EGYPTIAN HIEROGLYPH X005
133C9		EGYPTIAN HIEROGLYPH X006
133CA		EGYPTIAN HIEROGLYPH X006-A
133CB		EGYPTIAN HIEROGLYPH X007
133CC		EGYPTIAN HIEROGLYPH X008

Y. Writings, games, music

133CD		EGYPTIAN HIEROGLYPH Y001
133CE		EGYPTIAN HIEROGLYPH Y002
133CF		EGYPTIAN HIEROGLYPH Y003
133D0		EGYPTIAN HIEROGLYPH Y004
133D1		EGYPTIAN HIEROGLYPH Y005
133D2		EGYPTIAN HIEROGLYPH Y006
133D3		EGYPTIAN HIEROGLYPH Y007

133D4		EGYPTIAN HIEROGLYPH Y008

Z. Strokes, signs derived from Hieratic, geometrical figures

133D5		EGYPTIAN HIEROGLYPH Z001
		= 1
133D6		EGYPTIAN HIEROGLYPH Z001-A
		= 1 in dates
133D7		EGYPTIAN HIEROGLYPH Z002
133D8		EGYPTIAN HIEROGLYPH Z002-A
		= 3
133D9		EGYPTIAN HIEROGLYPH Z003
133DA		EGYPTIAN HIEROGLYPH Z003-A
133DB		EGYPTIAN HIEROGLYPH Z003-B
		= 3 in dates
133DC		EGYPTIAN HIEROGLYPH Z004
		= y
		→ 131BA ᨈ egyptian hieroglyph m017-a
133DD		EGYPTIAN HIEROGLYPH Z005
133DE		EGYPTIAN HIEROGLYPH Z005-A
133DF		EGYPTIAN HIEROGLYPH Z006
133E0		EGYPTIAN HIEROGLYPH Z007
133E1		EGYPTIAN HIEROGLYPH Z007-A
133E2		EGYPTIAN HIEROGLYPH Z008
133E3		EGYPTIAN HIEROGLYPH Z009
133E4		EGYPTIAN HIEROGLYPH Z010
133E5		EGYPTIAN HIEROGLYPH Z011
133E6		EGYPTIAN HIEROGLYPH Z012
133E7		EGYPTIAN HIEROGLYPH Z013
133E8		EGYPTIAN HIEROGLYPH Z014
		= 2
133E9		EGYPTIAN HIEROGLYPH Z014-A
		= 2 in dates
133EA		EGYPTIAN HIEROGLYPH Z015
		= 4
133EB		EGYPTIAN HIEROGLYPH Z015-A
		= 4
133EC		EGYPTIAN HIEROGLYPH Z015-B
		= 4 in dates
133ED		EGYPTIAN HIEROGLYPH Z016
		= 5
133EE		EGYPTIAN HIEROGLYPH Z016-A
		= 5
133EF		EGYPTIAN HIEROGLYPH Z016-B
		= 5 in dates
133F0		EGYPTIAN HIEROGLYPH Z016-C
		= 5 in dates
133F1		EGYPTIAN HIEROGLYPH Z017
		= 6
133F2		EGYPTIAN HIEROGLYPH Z017-A
		= 6
133F3		EGYPTIAN HIEROGLYPH Z017-B
		= 6 in dates
133F4		EGYPTIAN HIEROGLYPH Z018
		= 7
133F5		EGYPTIAN HIEROGLYPH Z018-A
		= 7
133F6		EGYPTIAN HIEROGLYPH Z018-B
		= 7 in dates
133F7		EGYPTIAN HIEROGLYPH Z019
		= 8
133F8		EGYPTIAN HIEROGLYPH Z019-A
		= 8
133F9		EGYPTIAN HIEROGLYPH Z019-B
		= 8 in dates

133FA	⦀	EGYPTIAN HIEROGLYPH Z020
		= 9
133FB	⁗⦀	EGYPTIAN HIEROGLYPH Z020-A
		= 9
133FC	≡	EGYPTIAN HIEROGLYPH Z020-B
		= 9 in dates
133FD	≣	EGYPTIAN HIEROGLYPH Z020-C
		= 9 in dates

Aa. Unclassified

133FE	⊜	EGYPTIAN HIEROGLYPH AA001
		= kh
		→ 0624 ؤ arabic letter khah
		→ 1E2B ẖ latin small letter h with breve below
133FF	◔	EGYPTIAN HIEROGLYPH AA002
13400	◔	EGYPTIAN HIEROGLYPH AA003
13401	▽	EGYPTIAN HIEROGLYPH AA004
13402	⧈	EGYPTIAN HIEROGLYPH AA005
13403	⋀	EGYPTIAN HIEROGLYPH AA006
13404	▱	EGYPTIAN HIEROGLYPH AA007
13405	◡	EGYPTIAN HIEROGLYPH AA007-A
13406	⬎	EGYPTIAN HIEROGLYPH AA007-B
13407	⊢⊣	EGYPTIAN HIEROGLYPH AA008
13408	⊏	EGYPTIAN HIEROGLYPH AA009
13409	⌣	EGYPTIAN HIEROGLYPH AA010
1340A	⌒	EGYPTIAN HIEROGLYPH AA011
1340B	—	EGYPTIAN HIEROGLYPH AA012
1340C	⌒	EGYPTIAN HIEROGLYPH AA013
1340D	⌒	EGYPTIAN HIEROGLYPH AA014
1340E	⌒	EGYPTIAN HIEROGLYPH AA015
1340F	⊂	EGYPTIAN HIEROGLYPH AA016
13410	∠	EGYPTIAN HIEROGLYPH AA017
13411	⌂	EGYPTIAN HIEROGLYPH AA018
13412	⋂	EGYPTIAN HIEROGLYPH AA019
13413	⌇	EGYPTIAN HIEROGLYPH AA020
13414	⌇	EGYPTIAN HIEROGLYPH AA021
13415	⌇	EGYPTIAN HIEROGLYPH AA022
13416	ⱳ	EGYPTIAN HIEROGLYPH AA023
13417	ⱴ	EGYPTIAN HIEROGLYPH AA024
13418	ⱶ	EGYPTIAN HIEROGLYPH AA025
13419	⌇	EGYPTIAN HIEROGLYPH AA026
1341A	⌇	EGYPTIAN HIEROGLYPH AA027
1341B	⌇	EGYPTIAN HIEROGLYPH AA028
1341C	⌇	EGYPTIAN HIEROGLYPH AA029
1341D	⌇	EGYPTIAN HIEROGLYPH AA030
1341E	⌇	EGYPTIAN HIEROGLYPH AA031
1341F	⌇	EGYPTIAN HIEROGLYPH AA032

Ff. Signs for transcription from Hieratic

13420	σ	EGYPTIAN HIEROGLYPH FF008
13421	ъ	EGYPTIAN HIEROGLYPH FF008-A

	1343	1344	1345	1346	1347	1348	1349
0	13430	13440	13450	13460	13470	13480	
1	13431	13441	13451	13461	13471	13481	
2	13432	13442	13452	13462	13472	13482	
3	13433	13443	13453	13463	13473	13483	
4	13434	13444	13454	13464	13474	13484	
5	13435	13445	13455	13465	13475	13485	
6	13436	13446	13456	13466	13476	13486	
7	13437	13447	13457	13467	13477	13487	
8	13438	13448	13458	13468	13478	13488	
9	13439	13449	13459	13469	13479	13489	
A	1343A	1344A	1345A	1346A	1347A	1348A	
B	1343B	1344B	1345B	1346B	1347B	1348B	
C	1343C	1344C	1345C	1346C	1347C	1348C	
D	1343D	1344D	1345D	1346D	1347D	1348D	
E	1343E	1344E	1345E	1346E	1347E	1348E	
F	1343F	1344F	1345F	1346F	1347F	1348F	

Note to reviewers: This is a preliminary proposal. The code points shown are merely suggestions for a possible placement. The characters listed here are additional characters found in Allen 1999.

A. Man and his occupations

13430		EGYPTIAN HIEROGLYPH A025-A
13431		EGYPTIAN HIEROGLYPH A071
13432		EGYPTIAN HIEROGLYPH A072
13433		EGYPTIAN HIEROGLYPH A073
13434		EGYPTIAN HIEROGLYPH A074
13435		EGYPTIAN HIEROGLYPH A075
13436		EGYPTIAN HIEROGLYPH A076

B. Woman and her occupations

13437		EGYPTIAN HIEROGLYPH B010

C. Anthropomorphic deities

13438		EGYPTIAN HIEROGLYPH C025

D. Parts of the human body

13439		EGYPTIAN HIEROGLYPH D007-A
1343A		EGYPTIAN HIEROGLYPH D024-A
1343B		EGYPTIAN HIEROGLYPH D081-A
		= 70,000
1343C		EGYPTIAN HIEROGLYPH D084
1343D		EGYPTIAN HIEROGLYPH D085
1343E		EGYPTIAN HIEROGLYPH D086
1343F		EGYPTIAN HIEROGLYPH D087
13440		EGYPTIAN HIEROGLYPH D088
13441		EGYPTIAN HIEROGLYPH D089
13442		EGYPTIAN HIEROGLYPH D090

E. Mammals

13443		EGYPTIAN HIEROGLYPH E039
13444		EGYPTIAN HIEROGLYPH E040
13445		EGYPTIAN HIEROGLYPH E041
13446		EGYPTIAN HIEROGLYPH E042

G. Birds

13447		EGYPTIAN HIEROGLYPH G014-A
13448		EGYPTIAN HIEROGLYPH G048-A

H. Parts of birds

13449		EGYPTIAN HIEROGLYPH H006-B

I. Amphibious animals, reptiles, etc.

1344A		EGYPTIAN HIEROGLYPH I016

L. Invertebrata and lesser animals

1344B		EGYPTIAN HIEROGLYPH L007-A

M. Trees and plants

1344C		EGYPTIAN HIEROGLYPH M033-C
1344D		EGYPTIAN HIEROGLYPH M043-A
1344E		EGYPTIAN HIEROGLYPH M043-B
1344F		EGYPTIAN HIEROGLYPH M053
13450		EGYPTIAN HIEROGLYPH M054

N. Sky, earth, water

13451		EGYPTIAN HIEROGLYPH N005-A
13452		EGYPTIAN HIEROGLYPH N005-B
13453		EGYPTIAN HIEROGLYPH N016-A
13454		EGYPTIAN HIEROGLYPH N023-A
13455		EGYPTIAN HIEROGLYPH N031-A
13456		EGYPTIAN HIEROGLYPH N033-B
13457		EGYPTIAN HIEROGLYPH N034-B
13458		EGYPTIAN HIEROGLYPH N043
13459		EGYPTIAN HIEROGLYPH N044
1345A		EGYPTIAN HIEROGLYPH N045

O. Buildings, parts of buildings, etc.

1345B		EGYPTIAN HIEROGLYPH O015-A
1345C		EGYPTIAN HIEROGLYPH O031-A
1345D		EGYPTIAN HIEROGLYPH O031-B
1345E		EGYPTIAN HIEROGLYPH O044-A
1345F		EGYPTIAN HIEROGLYPH O049-A
13460		EGYPTIAN HIEROGLYPH O051-A
13461		EGYPTIAN HIEROGLYPH O052

P. Ships and parts of ships

13462		EGYPTIAN HIEROGLYPH P001-B
13463		EGYPTIAN HIEROGLYPH P001-C
13464		EGYPTIAN HIEROGLYPH P003-B
13465		EGYPTIAN HIEROGLYPH P003-C
13466		EGYPTIAN HIEROGLYPH P003-D
13467		EGYPTIAN HIEROGLYPH P004-A
13468		EGYPTIAN HIEROGLYPH P005-A

R. Temple furniture and sacred emblems

13469		EGYPTIAN HIEROGLYPH R010-B
1346A		EGYPTIAN HIEROGLYPH R015-A
1346B		EGYPTIAN HIEROGLYPH R017-A
1346C		EGYPTIAN HIEROGLYPH R022-A
1346D		EGYPTIAN HIEROGLYPH R023-A
1346E		EGYPTIAN HIEROGLYPH R024-A
1346F		EGYPTIAN HIEROGLYPH R024-B
13470		EGYPTIAN HIEROGLYPH R024-C
13471		EGYPTIAN HIEROGLYPH R025-A
13472		EGYPTIAN HIEROGLYPH R025-B
13473		EGYPTIAN HIEROGLYPH R030

S. Crowns, dress, staves, etc.

13474		EGYPTIAN HIEROGLYPH S012-A
13475		EGYPTIAN HIEROGLYPH S027-A
13476		EGYPTIAN HIEROGLYPH S027-B
13477		EGYPTIAN HIEROGLYPH S028-A
13478		EGYPTIAN HIEROGLYPH S040-A
13479		EGYPTIAN HIEROGLYPH S042-A
1347A		EGYPTIAN HIEROGLYPH S047

U. Agriculture, crafts, and professions

1347B		EGYPTIAN HIEROGLYPH U006-C
1347C		EGYPTIAN HIEROGLYPH U007-A
1347D		EGYPTIAN HIEROGLYPH U040-A
1347E		EGYPTIAN HIEROGLYPH U042-A
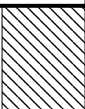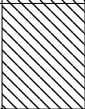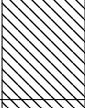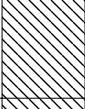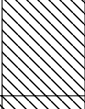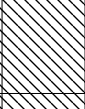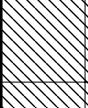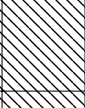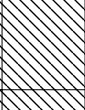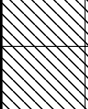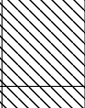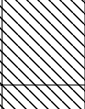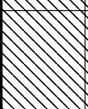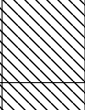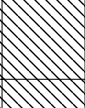
V. Rope, fibre, baskets, bags, etc.

1347F		EGYPTIAN HIEROGLYPH V001-A
		= 100
13480		EGYPTIAN HIEROGLYPH V016-A
13481		EGYPTIAN HIEROGLYPH V032-A
13482		EGYPTIAN HIEROGLYPH V040-A
		= 200
13483		EGYPTIAN HIEROGLYPH V041-A
		= 300
13484		EGYPTIAN HIEROGLYPH V052-A
		= 60

W. Vessels of stone and earthenware

13485		EGYPTIAN HIEROGLYPH W018-A
13486		EGYPTIAN HIEROGLYPH W024-B
13487		EGYPTIAN HIEROGLYPH W026
13488		EGYPTIAN HIEROGLYPH W027

X. Loaves and cakes

13489 ⬭ EGYPTIAN HIEROGLYPH X004-B

Y. Writings, games, music

1348A ⬭ EGYPTIAN HIEROGLYPH Y001-A

Z. Strokes, signs derived from Hieratic, geometrical figures

1348B ᛁᛁ EGYPTIAN HIEROGLYPH Z002-B
= 3
1348C ` ` ` EGYPTIAN HIEROGLYPH Z002-C
= 3
1348D ⸫ EGYPTIAN HIEROGLYPH Z003-C
= 3
1348E ⦀ꞁꞁ EGYPTIAN HIEROGLYPH Z020-D
= 9

Aa. Unclassified

1348F ⌐ EGYPTIAN HIEROGLYPH AA005-A

	134A	134B
0	134A0	
1	134A1	
2	134A2	
3	134A3	
4	134A4	
5	134A5	
6	134A6	
7	134A7	
8		
9		
A		
B		
C		
D		
E		
F		

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

O. Buildings, parts of buildings, etc.

134A0	⌐	EGYPTIAN HIEROGLYPH O006-A
134A1		EGYPTIAN HIEROGLYPH O006-B
134A2		EGYPTIAN HIEROGLYPH O006-C
134A3		EGYPTIAN HIEROGLYPH O006-D
134A4		EGYPTIAN HIEROGLYPH O006-E
134A5		EGYPTIAN HIEROGLYPH O006-F
134A6		EGYPTIAN HIEROGLYPH O033-A

V. Rope, fibre, baskets, bags, etc.

134A7		EGYPTIAN HIEROGLYPH V011-C

	134C	134D	134E	134F
0	134C0	134D0		
1	134C1	134D1		
2	134C2	134D2		
3	134C3	134D3		
4	134C4	134D4		
5	134C5	134D5		
6	134C6	134D6		
7	134C7	134D7		
8	134C8	134D8		
9	134C9	134D9		
A	134CA	134DA		
B	134CB	134DB		
C	134CC	134DC		
D	134CD			
E	134CE			
F	134CF			

K. Fishes and parts of fishes

134C0 ⬠ EGYPTIAN HIEROGLYPH K006-A

L. Invertebrata and lesser animals

134C1 ᪣ EGYPTIAN HIEROGLYPH L003-A

M. Trees and plants

134C2 ᳠ EGYPTIAN HIEROGLYPH M003-A
134C3 ᳈ EGYPTIAN HIEROGLYPH M033-B
           x belongs in the main Gardiner set; cf also "it" in
             Faulkner

N. Sky, earth, water

134C4) EGYPTIAN HIEROGLYPH N011-A
134C5 (EGYPTIAN HIEROGLYPH N011-B
134C6) EGYPTIAN HIEROGLYPH N012-A
134C7 (EGYPTIAN HIEROGLYPH N012-B
134C8 ⌣ EGYPTIAN HIEROGLYPH N012-C
134C9 ⠿ EGYPTIAN HIEROGLYPH N033-B

O. Buildings, parts of buildings, etc.

134CA ⎀ EGYPTIAN HIEROGLYPH O029-A
134CB ⎚ EGYPTIAN HIEROGLYPH O031-A
134CC ⎚ EGYPTIAN HIEROGLYPH O031-B
134CD ⊏⊐ EGYPTIAN HIEROGLYPH O036-A

P. Ships and parts of ships

134CE ⌒ EGYPTIAN HIEROGLYPH P008-A
134CF ⌒ EGYPTIAN HIEROGLYPH P008-B

R. Temple furniture and sacred emblems

134D0 ⏀ EGYPTIAN HIEROGLYPH R024-A

T. Warfare, hunting, butchery

134D1 ⌇ EGYPTIAN HIEROGLYPH T010-A

U. Agriculture, crafts, and professions

134D2 ⌁ EGYPTIAN HIEROGLYPH U031-A

V. Rope, fibre, baskets, bags, etc.

134D3 ⌀ EGYPTIAN HIEROGLYPH V026-A
134D4 ⌀ EGYPTIAN HIEROGLYPH V027-A

W. Vessels of stone and earthenware

134D5 ⊏⊐ EGYPTIAN HIEROGLYPH W002-A

Y. Writings, games, music

134D6 ⎪ EGYPTIAN HIEROGLYPH Y001-B
134D7 ⎪ EGYPTIAN HIEROGLYPH Y002-A

Aa. Unclassified

134D8 ‖ EGYPTIAN HIEROGLYPH AA011-A
134D9 ‖ EGYPTIAN HIEROGLYPH AA011-B
134DA ⟲ EGYPTIAN HIEROGLYPH AA030-A
134DB ⟳ EGYPTIAN HIEROGLYPH AA032-A
134DC ⌇ EGYPTIAN HIEROGLYPH AA032-B

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	0
A001	544:A1	17:A1								423:A1	A1	1
A002	544:A2	17:A2								423:A2	A2	1
A003	544:A3	17:A3								423:A3	A3	1
A004	544:A4	17:A4								423:A4	A4	1
A005	544:A5	17:A5								423:A5	A5	1
A005-A					2:A5*						A5A	1
A006	544:A6	17:A6								423:A6	A6	1
A006-A					2:A6*						A6N	1
A006-B						8-4:5:650					A6M	1
A007	544:A7	17:A7								423:A7	A7	1
A008	544:A8	17:A8								423:A8	A8	1
A009	544:A9	17:A9								423:A9	A9	1
A010	544:A10	17:A10								423:A10	A10	1
A011	544:A11	17:A11								423:A11	A11	1
A012	544:A12	17:A12								423:A12	A12	1
A013	544:A13	17:A13								423:A13	A13	1
A014	544:A14	17:A14								424:A14	A14	1
A014-A	544:A14*			245:A14*	2:A14*					424:A14a	A14A	1
A015	544:A15	17:A15								424:A15	A15	1
A016	544:A16	17:A16								424:A16	A16	1
A017	544:A17	17:A17								424:A17	A17	1
A017-A	544:A17*				2:A17*					424:A17a	A17A	1
A018	544:A18	17:A18								424:A18	A18	1
A019	544:A19	17:A19								424:A19	A19	1
A020	544:A20	17:A20								424:A20	A20	1
A021	544:A21	17:A21								424:A21	A21	1
A022	544:A22	17:A22								424:A22	A22	1
A023	544:A23	17:A23								424:A23	A23	1
A024	544:A24	17:A24								424:A24	A24	1
A025	544:A25	17:A25								424:A25	A25	1
A026	544:A26	17:A26								424:A26	A26	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
A027	544:A27	17:A27								424:A27	A27	1
A028	544:A28	17:A28								424:A28	A28	1
A029	544:A29	17:A29								424:A29	A29	1
A030	544:A30	17:A30								424:A30	A30	1
A031	544:A31	17:A31								424:A31	A31	1
A032	544:A32	17:A32								424:A32	A32	1
A032-A		17:A32*									A32A	1
A033	544:A33	17:A33								424:A33	A33	1
A034	544:A34	17:A34								424:A34	A34	1
A035	544:A35	17:A35								424:A35	A35	1
A036	544:A36	17:A36								424:A36	A36	1
A037	544:A37	17:A37								424:A37	A37	1
A038	544:A38	17:A38								424:A38	A38	1
A039	544:A39	17:A39								424:A39	A39	1
A040	544:A40	17:A40								425:A40	A40	1
A040-A					2:C22						A40A	1
A041	544:A41	17:A41								425:A41	A41	1
A042	544:A42	18:142								425:A42	A42	1
A042-A				245:A42*	2:A42*							1
A043	544:A43	18:A43								425:A43	A43	1
A043-A					2:C21						A43D	1
A044	544:A44	18:A44								425:A44	A44	1
A045	544:A45	18:A45								425:A45	A45	1
A045-A						GITB ref					A45B	1
A046	544:A46	18:A46								425:A46	A46	1
A047	544:A47	18:A47								425:A47	A47	1
A048	544:A48	18:A48								425:A48	A48	1
A049	544:A49	18:A49								425:A49	A49	1
A050	544:A50	18:A50								425:A50	A50	1
A051	544:A51	18:A51								425:A51	A51	1
A052	544:A52	18:A52								425:A52	A52	1
A053	544:A53	18:A53								425:A53	A53	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
A054	544:A54	18:A54								425:A54	A54	1
A055	544:A55	18:A55								425:A55	A55	1
A056		18:A56									A56	1
A057		18:A57									A57	1
A058		18:A58									A58	1
A059			95:A59		2:A59					424:A59	A59	1
A060			95:A60		2:A60						A60	1
A061				245:A61	2:A61						A61	1
A062				245:A62	2:A62						A62	1
A063				245:A63	2:A63						A63	1
A064					2:A64						A64	1
A065					2:A65						A469	1
A066					2:A66						A239	1
A067					2:A67						A282	1
A068					2:A68						A199A	1
A069						GITB ref				423:A68	A68	1
A070						8-1:626:810					A73	1
B001	544:B1	19:B1								425:B1	B1	1
B002	544:B2	19:B2								425:B2	B2	1
B003	544:B3	19:B3								425:B3	B3	1
B004	544:B4	19:B4								425:B4	B4	1
B005	544:B5	19:B5								425:B5	B5	1
B005-A						8-4:13:500					B106	1
B006	544:B6	19:B6								425:B6	B6	1
B007	544:B7		95:B7		2:B7					425:B7	B7	1
B008				245:B8	2:B8						B8	1
B009						8-1:690:370					B47	1
C001	544:C1	19:C1								425:C1	C1	1
C002	544:C2	19:C2								425:C2	C2	1
C002-A					2:C2*						C2A	1
C002-B					2:C2**							1
C002-C					2:C2***							1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
C003	544:C3	19:C3								425:C3	C3	1
C004	544:C4	19:C4								425:C4	C4	1
C005	544:C5	19:C5								425:C5	C5	1
C006	544:C6	19:C6								426:C6	C6	1
C007	544:C7	19:C7								426:C7	C7	1
C008	544:C8	19:C8								426:C8	C8	1
C009	544:C9	19:C9								426:C9	C9	1
C010	544:C10	19:C10								426:C10	C10	1
C010-A		19:C10*								426:C10a	C10A	1
C011	544:C11	19:C11					63:AAg655			426:C11	C11	1
C012	544:C12			245:C12	2:C12					426:C12	C12	1
C013				245:C13	2:C13							1
C014				245:C14	2:C14						C14	1
C015				245:C15	2:C15							1
C016				245:C16	2:C16						C16	1
C017	544:C17			245:C17	2:C17					426:C17	C17	1
C018	544:C18			246:C18	2:C18					426:C18	C18	1
C019	544:C19			246:C19	2:C19					426:C19	C19	1
C020	544:C20			246:C20	2:C20					426:C20	C20	1
C021						8-1:751:278					C33	1
C022						8-1:727:370					C49B	1
C023						GITB ref					C165	1
C024						8-1:753:130					C185B	1
D001	544:D1	20:D1								426:D1	D1	1
D002	544:D2	20:D2								426:D2	D2	1
D003	544:D3	20:D3								426:D3	D3	1
D004	544:D4	20:D4								426:D4	D4	1
D005	544:D5	20:D5								426:D5	D5	1
D006	544:D6	20:D6								426:D6	D6	1
D007	544:D7	20:D7								426:D7	D7	1
D008	544:D8	20:D8								426:D8	D8	1
D008-A		20:D8*									D8A	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
D009	544:D9	20:D9								426:D9	D9	1
D010	544:D10	20:D10								426:D10	D10	1
D011	544:D11	20:D11								426:D11	D11	1
D012	544:D12	20:D12								426:D12	D12	1
D013	544:D13	20:D13								426:D13	D13	1
D014	544:D14	20:D14								426:D14	D14	1
D015	544:D15	20:D15								426:D15	D15	1
D016	544:D16	20:D16								426:D16	D16	1
D017	544:D17	20:D17								426:D17	D17	1
D018	544:D18	20:D18								426:D18	D18	1
D019	544:D19	20:D19								426:D19	D19	1
D020	544:D20	20:D20								426:D20	D20	1
D021	544:D21	20:D21								427:D21	D21	1
D022	544:D22	20:D22								427:D22	D22	1
D023	544:D23	20:D23								427:D23	D23	1
D024	544:D24	20:D24								427:D24	D24	1
D025	544:D25	20:D25								427:D25	D25	1
D026	544:D26	20:D26								427:D26	D26	1
D027	544:D27	20:D27								427:D27	D27	1
D027-A	544:D27*	20:D27*								427:D27a	D27A	1
D028	544:D28	20:D28								427:D28	D28	1
D029	544:D29	20:D29								427:D29	D29	1
D030	544:D30	20:D30								427:D30	D30	1
D031	544:D31	20:D31								427:D31	D31	1
D031-A					3:D31*						D31A	1
D032	544:D32	20:D32								427:D32	D32	1
D033	544:D33	20:D33								427:D33	D33	1
D034	544:D34	20:D34								427:D34	D34	1
D034-A	544:D34*	20:D34*								427:D34a	D34A	1
D035	544:D35	20:D35								427:D35	D35	1
D036	544:D36	20:D36								427:D36	D36	1
D037	544:D37	20:D37								427:D37	D37	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
D038	544:D38	20:D38								427:D38	D38	1
D039	544:D39	20:D39								427:D39	D39	1
D040	544:D40	20:D40								427:D40	D40	1
D041	544:D41	20:D41								427:D41	D41	1
D042	544:D42	20:D42								427:D42	D42	1
D043	544:D43	20:D43								427:D43	D43	1
D044	544:D44	20:D44								427:D44	D44	1
D045	544:D45	20:D45								427:D45	D45	1
D046	544:D46	20:D46								427:D46	D46	1
D046-A	544:D46*	20:D46*								427:D46a	D46A	1
D047		20:D47								427:D47	D47	1
D048	544:D48	21:D48								427:D48	D48	1
D048-A					3:D48*						D48A	1
D049	544:D49	21:D49								427:D49	D49	1
D050	544:D50	21:D50					63:AAe650	59:AAe650		427:D50	D50	1
D051	544:D51	21:D51								428:D51	D51	1
D052	544:D52	21:D52								428:D52	D52	1
D052-A				246:D52*	3:D52*						S125	1
D053	544:D53	21:D53								428:D53	D53	1
D054	544:D54	21:D54								428:D54	D54	1
D054-A			95:Ff3									1
D055	544:D55	21:D55								428:D55	D55	1
D056	544:D56	21:D56								428:D56	D56	1
D057	544:D57	21:D57								428:D57	D57	1
D058	544:D58	21:D58								428:D58	D58	1
D059	544:D59	21:D59								428:D59	D59	1
D060	544:D60	21:D60								428:D60	D60	1
D061	544:D61	21:D61								428:D61	D61	1
D062	544:D62	21:D63								428:D62	D62	1
D063	544:D63	21:D63								428:D63	D63	1
D064					3:D64						D271	1
D065					3:D65						D132	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
D066					3:D66						D66	1
D067	199:1						66:DDc695		63:DDc695			1
D068	198:2						66:DDc696					1
D068-A	199:2							62:DDc696	63:DDc696			1
D069							66:DDc697					1
D069-A							54:Y563					1
D069-B	199:3						66:DDc697b	62:DDc697	63:DDc697			1
D070							66:DDc698					1
D070-A										102:4		1
D071							66:DDc699			102:5		1
D072	192:6						66:DDc700			102:6		1
D073	198:7						66:DDc701					1
D074	198:8						66:DDc702			102:8		1
D075												1
D076	199:20000						63:AAe651	59:AAe651				1
D077							63:AAe652	59:AAe652				1
D078							63:AAe653	59:AAe653				1
D079	191:50000							59:AAe653B		97:50000		1
D080								59:AAe653C				1
D081								59:AAe653D				1
D082								59:AAe653E				1
D083								59:AAe653F				1
E001	544:E1	22:E1								428:E1	E1	1
E002	544:E2	22:E2								428:E2	E2	1
E003	544:E3	22:E3								428:E3	E3	1
E004	544:E4	22:E4								428:E4	E4	1
E005	544:E5	22:E5								428:E5	E5	1
E006	544:E6	22:E6								428:E6	E6	1
E007	544:E7	22:E7								428:E7	E7	1
E008	544:E8	22:E8								428:E8	E8	1
E008-A	544:E8*			246:E8*	3:E8*					428:E8a	E8A	1
E009	544:E9	22:E9								428:E9	E9	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
E009-A					3:E9*						E100	1
E010	544:E10	22:E10								428:E10	E10	1
E011	544:E11	22:E11								428:E11	E11	1
E012	544:E12	22:E12								428:E12	E12	1
E013	544:E13	22:E13								428:E13	E13	1
E014	544:E14	22:E14								429:E14	E14	1
E015	544:E15	22:E15								429:E15	E15	1
E016	544:E16	22:E16								429:E16	E16	1
E016-A					3:E16*						E16C	1
E017	544:E17	22:E17								429:E17	E17	1
E017-A						8-2:134:610					E141	1
E018	544:E18	22:E18								429:E18	E18	1
E019	544:E19	22:E19								429:E19	E19	1
E020	544:E20	22:E20								429:E20	E20	1
E020-A		22:E20*									E20B	1
E021	544:E21	22:E21								429:E21	E21	1
E022	544:E22	22:E22								429:E22	E22	1
E023	544:E23	22:E23								429:E23	E23	1
E024	544:E24	22:E24								429:E24	E24	1
E025	544:E25	22:E25								429:E25	E25	1
E026	544:E26	22:E26								429:E26	E26	1
E027	544:E27	22:E27								429:E27	E27	1
E028	544:E28	22:E28								429:E28	E28	1
E028-A		22:E28*									E28A	1
E029	544:E29	22:E29								429:E29	E29	1
E030	544:E30	22:E30								429:E30	E30	1
E031	544:E31	22:E31								429:E31	E31	1
E032	544:E32	22:E32								429:E32	E32	1
E033	544:E33	22:E33								429:E33	E33	1
E034	544:E34	22:E34								429:E34	E34	1
E034-A		22:E34*										1
E035		22:E35			7:NnU15						E34B	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
E036					3:E36						E35	1
E037					3:E37						E45	1
E038					3:E38						E92	1
F001	544:F1	23:F1								429:F1	F1	1
F001-A			246:F1*		3:F1*					429:F63	F1B	1
F002	544:F2	23:F2								429:F2	F2	1
F003	544:F3	23:F3								429:F3	F3	1
F004	544:F4	23:F4								429:F4	F4	1
F005	544:F5	23:F5								429:F5	F5	1
F006	544:F6	23:F6								429:F6	F6	1
F007	544:F7	23:F7								429:F7	F7	1
F008	544:F8	23:F8								429:F8	F8	1
F009	544:F9	23:F9								429:F9	F9	1
F010	544:F10	23:F10								429:F10	F10	1
F011	544:F11	23:F11								429:F11	F11	1
F012	544:F12	23:F12								429:F12	F12	1
F013	544:F13	23:F13								429:F13	F13	1
F013-A		23:F13*									F13B	1
F014	544:F14	23:F14								430:F14	F14	1
F015	544:F15	23:F15								430:F15	F15	1
F016	544:F16	23:F16								430:F16	F16	1
F017	544:F17	23:F17								430:F17	F17	1
F018	544:F18	23:F18								430:F18	F18	1
F019	544:F19	23:F19								430:F19	F19	1
F020	544:F20	23:F20								430:F20	F20	1
F021	544:F21	23:F21								430:F21	F21	1
F021-A			95:Ff4									1
F022	544:F22	23:F22								430:F22	F22	1
F023	544:F23	23:F23								430:F23	F23	1
F024	544:F24	23:F24								430:F24	F24	1
F025	544:F25	23:F25								430:F25	F25	1
F026	544:F26	23:F26								430:F26	F26	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
F027	544:F27	23:F27								430:F27	F27	1
F028	544:F28	23:F28								430:F28	F28	1
F029	544:F29	23:F29								430:F29	F29	1
F030	544:F30	23:F30								430:F30	F30	1
F031	544:F31	23:F31								430:F31	F31	1
F031-A					3:F31						F31A	1
F032	544:F32	23:F32								430:F32	F32	1
F033	544:F33	23:F33								430:F33	F33	1
F034	544:F34	23:F34								430:F34	F34	1
F035	544:F35	23:F35								430:F35	F35	1
F036	544:F36	23:F36								430:F36	F36	1
F037	544:F37	23:F37								430:F37	F37	1
F037-A					6:Ff9					430:F37b	F37B	1
F038	544:F38	23:F38								430:F38	F38	1
F038-A		23:F38*									F38C	1
F039	544:F39	23:F39								430:F39	F39	1
F040	544:F40	23:F40								430:F40	F40	1
F041	544:F41	23:F41								430:F41	F41	1
F042	544:F42	23:F42								430:F42	F42	1
F043	544:F43	23:F43								430:F43	F43	1
F044	544:F44	23:F44								430:F44	F44	1
F045	544:F45	23:F45								430:F45	F45	1
F046	544:F46	23:F46								430:F46	F46	1
F046-A	466:(F46)										F46A	1
F047	544:F47	24:F47								430:F47	F47	1
F047-A	466:(F47)										F47A	1
F048	544:F48	24:F48								430:F48	F48	1
F049	544:F49	24:F49								430:F49	F49	1
F050	544:F50	24:F50								430:F50	F50	1
F051	544:F51	24:F51								431:F51	F51	1
F051-A		24:F51*									F51G	1
F051-B		24:F51**									F51GV	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
F051-C	467:F51n4									431:F51(a)	F51A	1
F052	544:F52	24:F52								431:F52	F52	1
F053						8-1:797:520					F59	1
G001	545:G1	25:G1								431:G1	G1	1
G002	545:G2	25:G2								431:G2	G2	1
G003	545:G3	25:G3								431:G3	G3	1
G004	545:G4	25:G4								431:G4	G4	1
G005	545:G5	25:G5								431:G5	G5	1
G006	545:G6	25:G6								431:G6	G6	1
G006-A		25:G6*									G6A	1
G007	545:G7	25:G7								431:G7	G7	1
G007-A	545:G7*			246:G7*	3:G7*					431:G7a	G7A	1
G007-B	545:G7**			246:G7**	3:G7**					431:G7b	G7B	1
G008	545:G8	25:G8								431:G8	G8	1
G009	545:G9	25:G9								431:G9	G9	1
G010	545:G10	25:G10								431:G10	G10	1
G011	545:G11	25:G11								431:G11	G11	1
G011-A				246:G11*	3:G11*						G11A	1
G012	545:G12	25:G12								431:G12	G12	1
G013	545:G13	25:G13								431:G13	G13	1
G014	545:G14	25:G14								431:G14	G14	1
G015	545:G15	25:G15								431:G15	G15	1
G016	545:G16	25:G16								431:G16	G16	1
G017	545:G17	25:G17								431:G17	G17	1
G018	545:G18	25:G18								431:G18	G18	1
G019	545:G19	25:G19								431:G19	G19	1
G020	545:G20	25:G20								431:G20	G20	1
G020-A					3:G20*						G90	1
G021	545:G21	25:G21								431:G21	G21	1
G022	545:G22	25:G22								431:G22	G22	1
G023	545:G23	25:G23								431:G23	G23	1
G024	545:G24	25:G24								431:G24	G24	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
G025	545:G25	25:G25								431:G25	G25	1
G026	545:G26	25:G26								432:G26	G26	1
G026-A	545:G26*				3:G26*					432:G26a	G26A	1
G027	545:G27	25:G27								432:G27	G27	1
G028	545:G28	25:G28								432:G28	G28	1
G029	545:G29	25:G29								432:G29	G29	1
G030	545:G30	25:G30								432:G30	G30	1
G031	545:G31	25:G31								432:G31	G31	1
G032	545:G32	25:G32								432:G32	G32	1
G033	545:G33	25:G33								432:G33	G33	1
G034	545:G34	25:G34								432:G34	G34	1
G035	545:G35	25:G35								432:G35	G35	1
G036	545:G36	25:G36								432:G36	G36	1
G036-A		25:G36*									G36A	1
G037	545:G37	25:G37								432:G37	G37	1
G037-A		25:G37*									G37A	1
G038	545:G38	25:G38								432:G38	G38	1
G039	545:G39	25:G39								432:G39	G39	1
G040	545:G40	25:G40								432:G40	G40	1
G041	545:G41	26:G41								432:G41	G41	1
G042	545:G42	26:G42								432:G42	G42	1
G043	545:G43	26:G43								432:G43	G43	1
G043-A		26:G43*										1
G044	545:G44	26:G44								432:G44	G44	1
G045	545:G45	26:G45								432:G45	G45	1
G045-A					3:G45*						G45A	1
G046	545:G46	26:G46								432:G46	G46	1
G047	545:G47	26:G47								432:G47	G47	1
G048	545:G48	26:G48								432:G48	G48	1
G049	545:G49	26:G49								432:G49	G49	1
G050	545:G50	26:G50								432:G50	G50	1
G051	545:G51	26:G51								432:G51	G51	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
G052	545:G52	26:G52								432:G52	G52	1
G053	545:G53	26:G53								432:G53	G53	1
G054	545:G54	26:G54								432:G54	G54	1
H001	545:H1	27:H1								433:H1	H1	1
H002	545:H2	27:H2								433:H2	H2	1
H003	545:H3	27:H3								433:H3	H3	1
H004	545:H4	27:H4								433:H4	H4	1
H005	545:H5	27:H5								433:H5	H5	1
H006	545:H6	27:H6								433:H6	H6	1
H006-A	545:H6*		95:Ff5		3:H6*					433:H6a	H6A	1
H007	545:H7	27:H7								433:H7	H7	1
H008	545:H8	27:H8								433:H8	H8	1
I001	545:I1	27:I1								433:I1	I1	1
I002	545:I2	27:I2								433:I2	I2	1
I003	545:I3	27:I3								433:I3	I3	1
I004	545:I4	27:I4								433:I4	I4	1
I005	545:I5	27:I5								433:I5	I5	1
I005-A	545:I5A		95:I5*		4:I5*					433:I5a	I5A	1
I006	545:I6	27:I6								433:I6	I6	1
I007	545:I7	27:I7								433:I7	I7	1
I008	545:I8	27:I8					63:AAf654	59:AAf654		433:I8	I8	1
I009	545:I9	27:I9								433:I9	I9	1
I009-A					4:I9*						I24	1
I010	545:I10	27:I10								433:I10	I10	1
I010-A					4:I10*						I31	1
I011	545:I11	27:I11								433:I11	I11	1
I011-A		27:I11*									I11A	1
I012	545:I12	27:I12								433:I12	I12	1
I013	545:I13	27:I13								433:I13	I13	1
I014	545:I14	27:I14								433:I14	I14	1
I015	545:I15	27:I15								433:I15	I15	1
K001	545:K1	28:K1								433:K1	K1	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
K002	545:K2	28:K2								433:K2	K2	1
K003	545:K3	28:K3								433:K3	K3	1
K004	545:K4	28:K4								434:K4	K4	1
K005	545:K5	28:K5								434:K5	K5	1
K006	545:K6	28:K6								434:K6	K6	1
K007	545:K7	28:K7								434:K7	K7	1
K008					4:K8						K13	1
L001	545:L1	28:L1								434:L1	L1	1
L002	545:L2	28:L2								434:L2	L2	1
L002-A		28:L2*									L2A	1
L003	477:L3	28:L3									L3U	1
L004	545:L4	28:L4								434:L4	L4	1
L005	545:L5	28:L5								434:L5	L5	1
L006	545:L6	28:L6								434:L6	L6	1
L006-A		28:L6*									L6A	1
L007	545:L7	28:L7								434:L7	L7	1
L008						8-1:221:400					L35	1
M001	545:M1	29:M1								434:M1	M1	1
M001-A		29:M1*								434:M1a	M1A	1
M001-B					4:M1**						M1E	1
M002	545:M2	29:M2								434:M2	M2	1
M003	545:M3	29:M3								434:M3	M3	1
M003-A					4:M3*						M3G	1
M004	545:M4	29:M4								434:M4	M4	1
M005	545:M5	29:M5								434:M5	M5	1
M006	545:M6	29:M6								434:M6	M6	1
M007	545:M7	29:M7								434:M7	M7	1
M008	545:M8	29:M8								434:M8	M8	1
M009	545:M9	29:M9								434:M9	M9	1
M010	545:M10	29:M10								434:M10	M10	1
M010-A		29:M10*									M10A	1
M011	545:M11	29:M11								434:M11	M11	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
M012	545:M12	29:M12					62:AAd641	58:AAd641		434:M12	M12	1
M013	545:M13	29:M13								434:M13	M13	1
M014	545:M14	29:M14								434:M14	M14	1
M015	545:M15	29:M15								435:M15	M15	1
M015-A						8-1:750:190					M139	1
M016	545:M16	29:M16								435:M16	M16	1
M016-A				246:M16*	4:M16*						M139B	1
M017	545:M17	29:M17								435:M17	M17	1
M017-A	481:y									435:y	M17A	1
M018	545:M18	29:M18								435:M18	M18	1
M019	545:M19	29:M19								435:M19	M19	1
M020	545:M20	29:M20								435:M20	M20	1
M021	545:M21	29:M21								435:M21	M21	1
M022	545:M22	29:M22								435:M22	M22	1
M022-A	482:(M22)									435:nn	M22A	1
M023	545:M23	29:M23								435:M23	M23	1
M024	545:M24	29:M24								435:M24	M24	1
M024-A				246:M24*	4:M24*						M24B	1
M025	545:M25	29:M25								435:M25	M25	1
M026	545:M26	29:M26								435:M26	M26	1
M027	545:M27	29:M27								435:M27	M27	1
M028	545:M28	29:M28								435:M28	M28	1
M028-A				246:M28*	4:M28*						M140B	1
M029	545:M29	29:M29								435:M29	M29	1
M030	545:M30	29:M30								435:M30	M30	1
M031	545:M31	29:M31								435:M31	M31	1
M031-A				246:M31*	4:M31*						M31D	1
M032	545:M32	29:M32								435:M32	M32	1
M033	545:M33	29:M33								435:M33	M33	1
M033-A		29:M33*								435:M33(a)	M33A	1
M034	545:M34	29:M34								435:M34	M34	1
M035	545:M35	29:M35								435:M35	M35	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
M036	545:M36	29:M36								435:M36	M36	1
M037	545:M37	29:M37								435:M37	M37	1
M038	545:M38	29:M38								435:M38	M38	1
M039	545:M39	29:M39								435:M39	M39	1
M040	545:M40	29:M40								435:M40	M40	1
M040-A		30:M40*									M40D	1
M041	545:M41	30:M41								435:M41	M41	1
M042	545:M42	30:M42								435:M42	M42	1
M043	545:M43	30:M43								435:M43	M43	1
M044	545:M44	30:M44								435:M044	M44	1
M045	191:2000						62:AAd642	58:AAd642	61:AAd641	97:2000		1
M046							62:AAd643	58:AAd643	61:AAd642	97:3000		1
M047							62:AAd644	58:AAd644				1
M048							62:AAd645	58:AAd645				1
M049							62:AAd646	58:AAd646				1
M050							62:AAd647	58:AAd647				1
M051							62:AAd648	58:AAd648				1
M052							62:AAd649	58:AAd649				1
N001	545:N1	31:N1								436:N1	N1	1
N002	545:N2	31:N2								436:N2	N2	1
N003	545:N3	31:N3								436:N3	N3	1
N004	545:N4	31:N4								436:N4	N4	1
N005	545:N5	31:N5								436:N5	N5	1
N006	545:N6	31:N6								436:N6	N6	1
N007	545:N7	31:N7								436:N7	N7	1
N008	545:N8	31:N8								436:N8	N8	1
N009	545:N9	31:N9								436:N9	N9	1
N010	545:N10	31:N10								436:N10	N10	1
N011	545:N11	31:N11								436:N11	N11	1
N012	545:N12	31:N12								436:N12	N12	1
N013	545:N13	31:N13								436:N13	N13	1
N014	545:N14	31:N14								436:N14	N14	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
N015	545:N15	31:N15								436:N15	N15	1
N016	545:N16	31:N16								436:N16	N16	1
N017	545:N17	31:N17								436:N17	N17	1
N018	545:N18	31:N18								436:N18	N18	1
N018-A					4:N18*						N102	1
N018-B					4:N18**						N18B	1
N019	545:N19	31:N19								436:N19	N19	1
N020	545:N20	31:N20								436:N20	N20	1
N021	545:N21	31:N21								436:N21	N21	1
N022	545:N22	31:N22								436:N22	N22	1
N023	545:N23	31:N23								436:N23	N23	1
N024	545:N24	31:N24								436:N24	N24	1
N025	545:N25	31:N25								436:N25	N25	1
N025-A		31:N25*									N25A	1
N026	545:N26	31:N26								437:N26	N26	1
N027	545:N27	31:N27								437:N27	N27	1
N028	545:N28	31:N28								437:N28	N28	1
N029	545:N29	31:N29								437:N29	N29	1
N030	545:N30	31:N30								437:N30	N30	1
N031	545:N31	31:N31								437:N31	N31	1
N032	554:N32	31:N32								437:N32	N32	1
N033	545:N33	31:N33								437:N33	N33	1
N033-A	547:(N33)	31:N33*								437:33a	N33A	1
N034	545:N34	31:N34								437:N34	N34	1
N034-A				246:N34*	4:N34*							1
N035	545:N35	31:N35								437:N35	N35	1
N035-A	545:(N35)									437:N35A	N35A	1
N036	545:N36	31:N36								437:N36	N36	1
N037	545:N37	31:N37								437:N37	N37	1
N037-A					4:N37*					437:N37a	N37A	1
N038	545:N38	31:N38								437:N38	N38	1
N039	545:N39	31:N39								437:N39	N39	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
N040	545:N40	31:N40								437:N40	N40	1
N041	545:N41	31:N41								437:N41	N41	1
N042	545:N42	31:N42								437:N42	N42	1
NL001					7:NnL1						NL1	1
NL002					7:NnL2						NL2	1
NL003					7:NnL3						NL3	1
NL004					7:NnL4						NL4	1
NL005					7:NnL5						NL5	1
NL005-A					7:NnL5*						NL5A	1
NL006					7:NnL6						NL6	1
NL007					7:NnL7						NL7	1
NL008					7:NnL8						NL8	1
NL009					7:NnL9						NL9	1
NL010					7:NnL10						NL10	1
NL011					7:NnL11						NL11	1
NL012					7:NnL12						NL12	1
NL013					7:NnL13						NL13	1
NL014					7:NnL14						NL14	1
NL015					7:NnL15						NL15	1
NL016					7:NnL16						NL16	1
NL017					7:NnL17						NL17	1
NL017-A					7:NnL17*						NL17A	1
NL018					7:NnL18						NL18	1
NL019					7:NnL19						NL19	1
NL020					7:NnL20						NL20	1
NU001					7:NnU1						NU1	1
NU002					7:NnU2						NU2	1
NU003					7:NnU3						NU3	1
NU004					7:NnU4						NU4	1
NU005					7:NnU5						NU5	1
NU006					7:NnU6						NU6	1
NU007					7:NnU7						NU7	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
NU008					7:NnU8						NU8	1
NU009					7:NnU9						NU9	1
NU010					7:NnU10						NU10	1
NU010-A					7:NnU10*						NU10A	1
NU011					7:NnU11						NU11	1
NU011-A					7:NnU11*						NU11A	1
NU012					7:NnU12						NU12	1
NU013					7:NnU13						NU13	1
NU014					7:NnU14						NU14	1
NU015					7:NnU15						NU15	1
NU016					7:NnU16						NU16	1
NU017					8:NnU17						NU17	1
NU018					8:NnU18						NU18	1
NU018-A					8:NnU18*						NU18A	1
NU019					8:NnU19						NU19	1
NU020					8:NnU20						NU20	1
NU021					8:NnU21						NU21	1
NU022					8:NnU22						NU22	1
NU022-A					8:NnU22*						NU22A	1
O001	545:O1	32:O1								437:O1	O1	1
O001-A					4:O1*						O54	1
O002	545:O2	32:O2								437:O2	O2	1
O003	545:O3	32:O3								437:O3	O3	1
O004	545:O4	32:O4								437:O4	O4	1
O005	545:O5	32:O5								437:O5	O5	1
O005-A		32:O5*									O5U	1
O006	545:O6	32:O6								437:O6	O6	1
O007	545:O7	32:O7								437:O7	O7	1
O008	545:O8	32:O8								437:O8	O8	1
O009	545:O9	32:O9								437:O9	O9	1
O010	545:O10	32:O10								437:O10	O10	1
O010-A					4:O10*						O10A	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
O010-B						8-1:755:460					O10B	1
O010-C						GITB ref					O18F	1
O011	545:O11	32:O11								437:O11	O11	1
O012	545:O12	32:O12								437:O12	O12	1
O013	545:O13	32:O13								438:O13	O13	1
O014	545:O14	32:O14								438:O14	O14	1
O015	545:O15	32:O15								438:O15	O15	1
O016	545:O16	32:O16								438:O16	O16	1
O017	545:O17	32:O17								438:O17	O17	1
O018	545:O18	32:O18								438:O18	O18	1
O019	545:O19	32:O19								438:O19	O19	1
O019-A					4:O19*						O19A	1
O020	545:O20	32:O20								438:O20	O20	1
O020-A		32:O20*									O20A	1
O021	545:O21	32:O21								438:O21	O21	1
O022	545:O22	32:O22								438:O22	O22	1
O023	545:O23	32:O23								438:O23	O23	1
O024	545:O24	32:O24								438:O24	O24	1
O024-A				246:O24*	4:O24*						O24B	1
O025	545:O25	32:O25								438:O25	O25	1
O025-A				246:O25*	4:O25*						O190	1
O026	545:O26	32:O26								438:O26	O26	1
O027	545:O27	32:O27								438:O27	O27	1
O028	545:O28	32:O28								438:O28	O28	1
O029	545:O29	32:O29								438:O29	O29	1
O030	545:O30	32:O30								438:O30	O30	1
O030-A		32:O30*									O30A	1
O031	545:O31	32:O31								438:O31	O31	1
O032	545:O32	32:O32								438:O32	O32	1
O033	545:O33	32:O33								438:O33	O33	1
O034	545:O34	32:O34								438:O34	O34	1
O035	545:O35	32:O35								438:O35	O35	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
O036	545:O36	32:O36								438:O36	O36	1
O037	545:O37	32:O37								438:O37	O37	1
O038	545:O38	32:O38								438:O38	O38	1
O039	545:O39	32:O39								438:O39	O39	1
O040	545:O40	32:O40								438:O40	O40	1
O041	545:O41	32:O41								438:O41	O41	1
O042	545:O42	32:O42								438:O42	O42	1
O043	545:O43	33:O43								438:O43	O43	1
O044	545:O44	33:O44								438:O44	O44	1
O045	545:O45	33:O45								439:O45	O45	1
O046	545:O46	33:O46								439:O46	O46	1
O047	545:O47	33:O47								439:O47	O47	1
O048	545:O48	33:O48								439:O48	O48	1
O049	545:O49	33:O49								439:O49	O49	1
O050	545:O50	33:O50								439:O50	O50	1
O051	545:O51	33:O51								439:O51	O51	1
P001	546:P1	34:P1								439:P1	P1	1
P001-A	546:(P1)									439:P1a	P1A	1
P002	546:P2	34:P2								439:P2	P2	1
P003	546:P3	34:P3								439:P3	P3	1
P003-A		34:P3*								439:P3a	P3B	1
P004	546:P4	34:P4								439:P4	P4	1
P005	546:P5	34:P5								439:P5	P5	1
P006	546:P6	34:P6								439:P6	P6	1
P007	546:P7	34:P7								439:P7	P7	1
P008	546:P8	34:P8								439:P8	P8	1
P009	546:P9	34:P9								439:P9	P9	1
P010	546:P10	34:P10								439:P10	P10	1
P011	546:P11	34:P11								439:P11	P11	1
Q001	546:Q1	34:Q1								439:Q1	Q1	1
Q002	546:Q2	34:Q2								439:Q2	Q2	1
Q003	546:Q3	34:Q3								439:Q3	Q3	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
Q004	546:Q4	34:Q4								439:Q4	Q4	1
Q005	546:Q5	34:Q5								439:Q5	Q5	1
Q006	546:Q6	34:Q6								439:Q6	Q6	1
Q007	546:Q7	34:Q7								439:Q7	Q7	1
R001	546:R1	35:R1								440:R1	R1	1
R002	546:R2	35:R2								440:R2	R2	1
R002-A					5:R2*					440:R36a	R2C	1
R003	546:R3	35:R3								440:R3	R3	1
R003-A					5:R3*						R3P	1
R003-B					5:R3**						R3PA	1
R004	546:R4	35:R4								440:R4	R4	1
R005	546:R5	35:R5								440:R5	R5	1
R006	546:R6	35:R6								440:R6	R6	1
R007	546:R7	35:R7								440:R7	R7	1
R008	546:R8	35:R8								440:R8	R8	1
R009	546:R9	35:R9								440:R9	R9	1
R010	546:R10	35:R10								440:R10	R10	1
R010-A		35:R10*								440:R50	R10I	1
R011	546:R11	35:R11								440:R11	R11	1
R012	546:R12	35:R12								440:R12	R12	1
R013	546:R13	35:R13								440:R13	R13	1
R014	546:R14	35:R14								440:R14	R14	1
R015	546:R15	35:R15								440:R15	R15	1
R016	546:R16	35:R16								440:R16	R16	1
R016-A				246:R16*	5:R16*						R16B	1
R017	546:R17	35:R17								440:R17	R17	1
R018	546:R18	35:R18								440:R18	R18	1
R019	546:R19	35:R19								440:R19	R19	1
R020	546:R20	35:R20								440:R20	R20	1
R021	546:R21	35:R21								440:R21	R21	1
R022	546:R22	35:R22								440:R22	R22	1
R023	546:R23	35:R23								440:R23	R23	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
R024	546:R24	35:R24								440:R24	R24	1
R025	546:R25	35:R25								440:R25	R25	1
R026				246:R26	5:R26						R26	1
R027					5:R27						R133	1
R028					5:R28						R129	1
R029					5:R29						O196	1
S001	546:S1	36:S1								440:S1	S1	1
S002	546:S2	36:S2								440:S2	S2	1
S002-A					5:S2*						S56	1
S003	546:S3	36:S3								440:S3	S3	1
S004	546:S4	36:S4								440:S4	S4	1
S005	546:S5	36:S5								440:S5	S5	1
S006	546:S6	36:S6								440:S6	S6	1
S006-A					5:S6*						S48	1
S007	546:S7	36:S7								441:S7	S7	1
S008	546:S8	36:S8								441:S8	S8	1
S009	546:S9	36:S9								441:S9	S9	1
S010	546:S10	36:S10								441:S10	S10	1
S011	546:S11	36:S11								441:S11	S11	1
S012	546:S12	36:S12								441:S12	S12	1
S013	546:S13	36:S13								441:S13	S13	1
S014	546:S14	36:S14								441:S14	S14	1
S014-A	546:S14*				5:S14*					441:S14A	S14A	1
S014-B					5:S14**						S14D	1
S015	546:S15	36:S15								441:S15	S15	1
S016	546:S16	36:S16								441:S16	S16	1
S017	546:S17	36:S17								441:S17	S17	1
S017-A	546:S17*				5:S17*					441:S17A	S17A	1
S018	546:S18	36:S18								441:S18	S18	1
S019	546:S19	36:S19								441:S19	S19	1
S020	546:S20	36:S20								441:S20	S20	1
S021	546:S21	36:S21								441:S21	S21	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
S022	546:S22	36:S22								441:S22	S22	1
S023	546:S23	36:S23								441:S23	S23	1
S024	546:S24	36:S24								441:S24	S24	1
S025	546:S25	36:S25								441:S25	S25	1
S026	546:S26	36:S26								441:S26	S26	1
S027	546:S27	36:S27								441:S27	S27	1
S028	546:S28	36:S28								441:S28	S28	1
S029	546:S29	36:S29								441:S29	S29	1
S030	546:S30	36:S30								441:S30	S30	1
S031	546:S31	36:S31								441:S31	S31	1
S032	546:S32	36:S32								441:S32	S32	1
S033	546:S33	36:S33								441:S33	S33	1
S034	546:S34	36:S34								441:S34	S34	1
S035	546:S35	36:S35								442:S35	S35	1
S035-A		36:S35*									S35A	1
S036	546:S36	36:S36								442:S36	S36	1
S037	546:S37	36:S37								442:S37	S37	1
S038	546:S38	36:S38								442:S38	S38	1
S039	546:S39	36:S39								442:S39	S39	1
S040	546:S40	36:S40								442:S40	S40	1
S041	546:S41	36:S41								442:S41	S41	1
S042	546:S42	36:S42								442:S42	S42	1
S043	546:S43	36:S43								442:S43	S43	1
S044	546:S44	35:S44								442:S44	S44	1
S045	546:S45	36:S45								442:S45	S45	1
S046					5:S46						S50	1
T001	546:T1									442:T1	T1	1
T002	546:T2									442:T2	T2	1
T003	546:T3									442:T3	T3	1
T003-A					5:T3*						T43	1
T004	546:T4									442:T4	T4	1
T005	546:T5									442:T5	T5	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
T006	546:T6									442:T6	T6	1
T007	546:T7									442:T7	T7	1
T007-A	546:T7*				5:T7*					442:T7A	T7A	1
T008	546:T8									442:T8	T8	1
T008-A	546:T8*				5:T8*					442:T8A	T8A	1
T009	546:T9									442:T9	T9	1
T009-A	546:T9*				5:T9*					442:T9A	T9A	1
T010	546:T10									442:T10	T10	1
T011	546:T11									442:T11	T11	1
T011-A						8-2:065:700					T60	1
T012	546:T12									442:T12	T12	1
T013	546:T13									442:T13	T13	1
T014	546:T14									443:T14	T14	1
T015	546:T15									443:T15	T15	1
T016	546:T16									443:T16	T16	1
T016-A				246:T16*	5:T36						T16A	1
T017	546:T17									443:T17	T17	1
T018	546:T18									443:T18	T18	1
T019	546:T19									443:T19	T19	1
T020	546:T20									443:T20	T20	1
T021	546:T21									443:T21	T21	1
T022	546:T22									443:T22	T22	1
T023	546:T23									443:T23	T23	1
T024	546:T24									443:T24	T24	1
T025	546:T25									443:T25	T25	1
T026	546:T26									443:T26	T26	1
T027	546:T27									443:T27	T27	1
T028	546:T28									443:T28	T28	1
T029	546:T29									443:T29	T29	1
T030	546:T30									443:T30	T30	1
T031	546:T31									443:T31	T31	1
T032	546:T32									443:T32	T32	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
T032-A					5:T32*						T32B	1
T033	546:T33									443:T33	T33	1
T033-A					5:T33*						T33B	1
T034	546:T34									443:T34	T34	1
T035	546:T35									443:T35	T35	1
T036				247:T36	5:T37						T141	1
U001	546:U1	38:U1								443:U1	U1	1
U002	546:U2	38:U2								443:U2	U2	1
U003	546:U3	38:U3								443:U3	U3	1
U004	546:U4	38:U4								443:U4	U4	1
U005	546:U5	38:U5								443:U5	U5	1
U006	546:U6	38:U6								443:U6	U6	1
U006-A					5:U6*						U6A	1
U006-B					5:U6**						U6B	1
U007	546:U7	38:U7								443:U7	U7	1
U008	546:U8	38:U8								443:U8	U8	1
U009	546:U9	38:U9								443:U9	U9	1
U010	546:U10	38:U10								443:U10	U10	1
U011	546:U11	38:U11								443:U11	U11	1
U012	546:U12	38:U12								443:U12	U12	1
U013	546:U13	38:U13								443:U13	U13	1
U014	546:U14	38:U14								443:U14	U14	1
U015	546:U15	38:U15								443:U15	U15	1
U016	546:U16	38:U16								444:U16	U16	1
U017	546:U17	38:U17								444:U17	U17	1
U018	546:U18	38:U18								444:U18	U18	1
U019	546:U19	38:U19								444:U19	U19	1
U020	546:U20	38:U20								444:U20	U20	1
U021	546:U21	38:U21								444:U21	U21	1
U022	546:U22	38:U22								444:U22	U22	1
U023	546:U23	38:U23								444:U23	U23	1
U023-A				247:U23*	5:U23*						U23F	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
U024	546:U24	38:U24								444:U24	U24	1
U025	546:U25	38:U25								444:U25	U25	1
U026	546:U26	38:U26								444:U26	U26	1
U027	546:U27	38:U27								444:U27	U27	1
U028	546:U28	38:U28								444:U28	U28	1
U029	546:U29	38:U29								444:U29	U29	1
U029-A					5:U29*						U29A	1
U030	546:U30	38:U30								444:U30	U30	1
U031	546:U31	38:U31								444:U31	U31	1
U032	546:U32	38:U32								444:U32	U32	1
U032-A				247:Ff7								1
U033	546:U33	38:U33								444:U33	U33	1
U034	546:U34	38:U34								444:U34	U34	1
U035	546:U35	38:U35								444:U35	U35	1
U036	546:U36	38:U36								444:U36	U36	1
U037	546:U37	38:U37								444:U37	U37	1
U038	546:U38	38:U38								444:U38	U38	1
U039	546:U39	38:U39								444:U39	U39	1
U040	546:U40	38:U40								444:U40	U40	1
U041	546:U41	38:U41								444:U41	U41	1
U042	546:(O30)									443:U109	O30U	1
V001	546:V1	39:V1					61:AAc632	57:AAc632	61:AAc632	444:V1	V1	1
V002	546:V2	39:V2								444:V2	V2	1
V002-A				247:Ff6								1
V003	546:V3	39:V3								444:V3	V3	1
V004	546:V4	39:V4								444:V4	V4	1
V005	546:V5	39:V5								444:V5	V5	1
V006	546:V6	39:V6								444:V6	V6	1
V007	546:V7	39:V7								444:V7	V7	1
V007-A					6:V7*						V7A	1
V007-B			95:Ff2									1
V008	546:V8	39:V8								444:V8	V8	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
V009	546:V9	39:V9								444:V9	V9	1
V010	546:V10	39:V10								445:V10	V10	1
V011	546:V11	39:V11								445:V11	V11	1
V011-A		39:V11*a									V11A	1
V011-B		39:V11*a'									V11B	1
V012	546:V12	39:V12								445:V12	V12	1
V012-A					6:V12*						V12A	1
V012-B					6:V12**						V12B	1
V013	546:V13	39:V13								445:V13	V13	1
V014	546:V14	39:V14								445:V14	V14	1
V015	546:V15	39:V15								445:V15	V15	1
V016	546:V16	39:V16								445:V16	V16	1
V017	546:V17	39:V17								445:V17	V17	1
V018	546:V18	39:V18								445:V18	V18	1
V019	546:V19	39:V19								445:V19	V19	1
V020	546:V20	39:V20					60:AAb623	56:AAb623		445:V20	V20	1
V020-A	191:10						63:BB665	60:BB665	62:BB665		V20S	1
V021	546:V21	39:V21								445:V21	V21	1
V022	546:V22	39:V22								445:V22	V22	1
V023	546:V23	39:V23								445:V23	V23	1
V023-A				247:V23*	6:V23*							1
V024	546:V24	39:V24								445:V24	V24	1
V025	546:V25	39:V25								445:V25	V25	1
V026	546:V26	39:V26								445:V26	V26	1
V027	546:V27	39:V27								445:V2[7]	V27	1
V028	546:V28	39:V28								445:V28	V28	1
V028-A					6:V28*						V71	1
V029	546:V29	39:V29								445:V29	V29	1
V029-A				247:V29*	6:V29*						V81	1
V030	546:V30	39:V30								445:V30	V30	1
V030-A		39:V30*										1
V031	546:V31	39:V31								445:V31	V31	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
V031-A	546:V31*	39:V31*								445:V31a	V31A	1
V032	546:V32	39:V32								445:V32	V32	1
V033	546:V33	39:V33								445:V33	V33	1
V033-A						8-4:10:299					V33A	1
V034	546:V34	39:V34								445:V34	V34	1
V035	546:V35	39:V35								445:V35	V35	1
V036	546:V36	39:V36								445:V36	V36	1
V037	546:V37	39:V37								445:V37	V37	1
V037-A					6:V37*						V37A	1
V038	546:V38	39:V38								445:V38	V38	1
V039	546:V39			247:V39	6:V39*					445:V39	V39	1
V040	199:200						61:AAc633	57:AAc633	61:AAc633	99:200		1
V041	194:300						61:AAc634	57:AAc634	61:AAc634	101:300		1
V042							61:AAc635	57:AAc635	61:AAc635	106:400		1
V042-A												1
V043							61:AAc636					1
V043-A	201:500						61:AAc636s	57:AAc636	61:AAc636			1
V044							61:AAc637					1
V044-A	192:600						61:AAc637s	57:AAc637	61:AAc637	97:600		1
V045							61:AAc638					1
V045-A	200:700						61:AAc638s	57:AAc638	61:AAc638	107:700		1
V046							61:AAc639	57:AAc639	61:AAc639			1
V047	201:900						61:AAc640	57:AAc640	61:AAc640			1
V047-A	191:900											1
V048	191:20						60:AAb624			97:20		1
V048-A	192:20							56:AAb624	60:AAb624	100:20		1
V048-B	201:20						64:BB666	60:BB666	62:BB666			1
V049	194:30									106:30		1
V049-A	201:30						60:AAb625	56:AAb625	60:AAb625	99:30		1
V050							60:AAb626		60:AAb626			1
V050-A	198:40							56:AAb626		107:40		1
V051	191:50											1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
V051-A	197:50						60:AAb627	56:AAb627	60:AAb627	107:50		1
V052	194:60						60:AAb628	56:AAb628	60:AAb628	101:60		1
V053	192:70						60:AAb629	56:AAb629	60:AAb629			1
V054	196:80						60:AAb630	56:AAb630	60:AAb630	102:80		1
V055							60:AAb631	56:AAb631	60:AAb631			1
W001	547:W1	40:W1								445:W1	W1	1
W002	547:W2	40:W2								446:W2	W2	1
W003	547:W3	40:W3								446:W3	W3	1
W003-A		40:W3*									W3B	1
W004	547:W4	40:W4								446:W4	W4	1
W005	547:W5	40:W5								446:W5	W5	1
W006	547:W6	40:W6								446:W6	W6	1
W007	547:W7	40:W7								446:W7	W7	1
W008	547:W8	40:W8								446:W8	W8	1
W009	547:W9	40:W9								446:W9	W9	1
W009-A					6:W9*						W9D	1
W010	547:W10	40:W10								446:W10	W10	1
W010-A	547:W10*				6:W10*					446:W10A	W10A	1
W011	547:W11	40:W11								446:W11	W11	1
W012	547:W12	40:W12								446:W12	W12	1
W013	547:W13	40:W13								446:W13	W13	1
W014	547:W14	40:W14								446:W14	W14	1
W014-A		40:W14*										1
W015	547:W15	40:W15								446:W15	W15	1
W016	547:W16	40:W16								446:W16	W16	1
W017	547:W17	40:W17								446:W17	W17	1
W017-A					6:W18*					446:W17a		1
W018	547:W18	40:W18								446:W18	W18	1
W019	547:W19	40:W19								446:W19	W19	1
W020	547:W20	40:W20								446:W20	W20	1
W021	547:W21	40:W21								446:W21	W21	1
W022	547:W22	40:W22								446:W22	W22	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
W023	547:W23	40:W23								446:W23	W23	1
W024	547:W24	40:W24								446:W24	W24	1
W024-A		40:W24*									W24A	1
W025	547:W25	40:W25								446:W25	W25	1
X001	547:X1	41:X1								446:X1	X1	1
X002	547:X2	41:X2								446:X2	X2	1
X003	547:X3	41:X3								446:X3	X3	1
X004	547:X4	41:X4								447:X4	X4	1
X004-A		41:X4*								447:X4a	X4A	1
X005	547:X5	41:X5								447:X5	X5	1
X006	547:X6	41:X6								447:X6	X6	1
X006-A		41:X6*										1
X007	547:X7	41:X7								447:X7	X7	1
X008	547:X8	41:X8								447:X8	X8	1
Y001	547:Y1	41:Y1								447:Y1	Y1	1
Y002	547:Y2	41:Y2								447:Y2	Y2	1
Y003	547:Y3	41:Y3								447:Y3	Y3	1
Y004	547:Y4	41:Y4								447:Y4	Y4	1
Y005	547:Y5	41:Y5								447:Y5	Y5	1
Y006	547:Y6	41:Y6								447:Y6	Y6	1
Y007	547:Y7	41:Y7								447:Y7	Y7	1
Y008	547:Y8	41:Y8								447:Y8	Y8	1
Z001	547:Z1	42:Z1					59:AAa614	55:AAa614	59:AAa614	447:Z1	Z1	1
Z001-A							63:BB656				Z1A	1
Z002	547:Z2	42:Z2								447:Z2	Z2	1
Z002-A		42:Z2*					59:AAa616	55:AAa616	59:AAa616	447:Z2(a)	Z2D	1
Z003	547:Z3	42:Z3								447:Z3	Z3	1
Z003-A		42:Z2 also								447:Z3a	Z3A	1
Z003-B						8-4:5:654	64:BB658	60:BB658	62:BB658		Z3B	1
Z004	547:Z4	42:Z4								447:Z4	Z4	1
Z005	547:Z5	42:Z5								447:Z5	Z5	1
Z005-A		42:Z5*									Z5A	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
Z006	547:Z6	42:Z6								447:Z6	Z6	1
Z007	547:Z7	42:Z7								447:Z7	Z7	1
Z007-A			95:Ff1		6:Ff1							1
Z008	547:Z8	42:Z8								447:Z8	Z8	1
Z009	547:Z9	42:Z9								447:Z9	Z9	1
Z010	547:Z10	42:Z10								447:Z10	Z10	1
Z011	547:Z11	42:Z11								447:Z11	Z11	1
Z012			95:Z12								Z12	1
Z013					6:Z13							1
Z014	192:2						59:AAa615	55:AAa615	59:AAa615	447:Z49		1
Z014-A	191:2						63:BB657	59:BB65[7]	61:BB657	103:2		1
Z015	191:4						59:AAa617	55:AAa617	59:AAa617	97:4		1
Z015-A	192:4									100:4		1
Z015-B	191:4						64:BB659	60:BB659	62:BB659			1
Z016	191:5						59:AAa618	55:AAa618	59:AAa618	447:Z(2d)		1
Z016-A	192:5									97:5		1
Z016-B	191:5									103:5		1
Z016-C	191:5						64:BB660	60:BB660	62:BB660			1
Z017	191:6						59:Aa619	55:AAa619	59:Aa619	99:6		1
Z017-A	192:6									102:6		1
Z017-B							64:BB661	60:BB661	62:BB661			1
Z018	196:7						59:AAa620	55:AAa620	59:AAa620			1
Z018-A	191:7									97:7		1
Z018-B							64:BB662	60:BB662	62:BB662	103:7		1
Z019	198:8						59:AAa621	55:AAa621	59:AAa621			1
Z019-A	191:8									102:8		1
Z019-B	191:8						64:BB663	60:BB663	62:BB663			1
Z020	197:9						59:AAa622	55:AAa622				1
Z020-A							59:AAa622n		59:AAa622	106:9		1
Z020-B								60:BB664				1
Z020-C							64:BB664	60:BB664n	62:BB664			1
ZA001	547:Aa1	43:Aa1								448:Aa1	AA1	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
ZA002	547:Aa2	43:Aa2								448:Aa2	AA2	1
ZA003	547:Aa3	43:Aa3								448:Aa3	AA3	1
ZA004	547:Aa4	43:Aa4								448:Aa4	AA4	1
ZA005	547:Aa5	43:Aa5								448:Aa5	AA5	1
ZA006	547:Aa6	43:Aa6								448:Aa6	AA6	1
ZA007	547:Aa7	43:Aa7								448:Aa7	AA7	1
ZA007-A		43:Aa7*									AA7A	1
ZA007-B				247:Aa7**	6:Aa7**						AA7B	1
ZA008	547:Aa8	43:Aa8								448:Aa8	AA8	1
ZA009	547:Aa9	43:Aa9								448:Aa9	AA9	1
ZA010	547:Aa10	43:Aa10								448:Aa10	AA10	1
ZA011	547:Aa11	43:Aa11								448:Aa11	AA11	1
ZA012	547:Aa12	43:Aa12								448:Aa12	AA12	1
ZA013	547:Aa13	43:Aa13								448:Aa13	AA13	1
ZA014	547:Aa14	43:Aa14								448:Aa14	AA14	1
ZA015	547:Aa15	43:Aa15								448:Aa15	AA15	1
ZA016	547:Aa16	43:Aa16								448:Aa16	AA16	1
ZA017	547:Aa17	43:Aa17								448:Aa17	AA17	1
ZA018	547:Aa18	43:Aa18								448:Aa18	AA18	1
ZA019	547:Aa19	43:Aa19								448:Aa19	AA19	1
ZA020	547:Aa20	43:Aa20								448:Aa20	AA20	1
ZA021	547:Aa21	43:Aa21								448:Aa21	AA21	1
ZA022	547:Aa22	43:Aa22								448:Aa22	AA22	1
ZA023	546:Aa23	43:Aa23								448:Aa23	AA23	1
ZA024	546:Aa24	43:Aa24								448:Aa24	AA24	1
ZA025	547:Aa25	43:Aa25								448:Aa25	AA25	1
ZA026	547:Aa26	43:Aa26								448:Aa26	AA26	1
ZA027	547:Aa27	43:Aa27								448:Aa27	AA27	1
ZA028	547:Aa28	43:Aa28								448:Aa28	AA28	1
ZA029	547:Aa29	43:Aa29								448:Aa29	AA29	1
ZA030	547:Aa30	43:Aa30								448:Aa30	AA30	1
ZA031	547:Aa31	43:Aa31								448:Aa31	AA31	1

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
ZA032	546:Aa32	43:Aa32								448:Aa32	AA32	1
ZF008					6:Ff8							1
ZF008-A					6:Ff8*							1
A025-A										424:A25(a)		2
A071										423:A84		2
A072										423:A119		2
A073										424:A97		2
A074										424:A366		2
A075										424:A359		2
A076										424:A166		2
B010										425:B24		2
C025										426:C175a		2
D007-A										426:D7a		2
D024-A										427:D24a		2
D081-A										97:70000		2
D084										426:D140		2
D085										427:D154		2
D086										427:D212a		2
D087										427:D218a		2
D088										427:D251		2
D089										428:D279		2
D090										428:D280a		2
E039										428:E166		2
E040										428:E176		2
E041										428:E177		2
E042										428:E128		2
G014-A										431:G14a		2
G048-A										432:G48a		2
H006-B										433:H6b		2
I016										433:I64		2
L007-A										434:L7a		2
M033-C										435:M33(b)		2

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
M043-A										435:M43a		2
M043-B										435:M43b		2
M053										435:M163		2
M054										435:Y10		2
N005-A										436:N5a		2
N005-B										436:N5(b)		2
N016-A										436:N16d		2
N023-A										436:N23(a)		2
N031-A										437:N31e		2
N033-B										437:N33c		2
N034-B										437:N34a		2
N043										437:N46b		2
N044										437:N64		2
N045										437:N76		2
O015-A										438:O15a		2
O031-A										438:O31a		2
O031-B										438:O31(b)		2
O044-A										438:O44a		2
O049-A										439:O49a		2
O051-A										439:O51b		2
O052										437:O104		2
P001-B										439:P26		2
P001-C										439:P1c		2
P003-B										439:P30		2
P003-C										439:P34		2
P003-D										439:P3a		2
P004-A										439:P4a		2
P005-A										439:P5f		2
R010-B										440:R10e		2
R015-A										440:R15b		2
R017-A										440:R17b		2
R022-A										440:R22a		2

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
R023-A										440:R23a		2
R024-A										440:R24a		2
R024-B										440:R24b		2
R024-C										440:R24c		2
R025-A										440:R25a		2
R025-B										440:R25b		2
R030										440:R61		2
S012-A										441:S12a		2
S027-A										441:S116		2
S027-B										441:S118		2
S028-A										441:V48		2
S040-A										442:S40a		2
S042-A										442:S42a		2
S047										442:S130a		2
U006-C										443:U6a		2
U007-A										443:U7a		2
U040-A										444:U40a		2
U042-A										443:U109a		2
V001-A										444:V1a		2
V016-A										445:V16a		2
V032-A										445:V96		2
V040-A										107:200		2
V041-A										107:300		2
V052-A										107:60		2
W018-A										446:W18a	W17C	2
W024-B										446:W24a		2
W026										446:W54		2
W027										446:W59		2
X004-B										447:X4b		2
Y001-A										447:Y1a		2
Z002-B	59:3									447:Z2b		2
Z002-C										447:Z2c		2

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
Z003-C										447:Z3(b)		2
Z020-D										107:9		2
ZA005-A										448:Aa5a		2
O006-A	72:serekh									64:serekh		3
O006-B												3
O006-C												3
O006-D												3
O006-E												3
O006-F												3
O033-A	72:serekh									64:serekh		3
V011-C												3
K006-A	477:K6(a)	28:K6(a)								434:K6(v)	K6B	4
L003-A	545:L3									434:L3	L3	4
M003-B	479:M3(v)	29:M3(v)								434:M3(v)	M3B	4
M033-B	483:M33(b)											4
N011-A	486:N11(a)	31:N11(b)								436:N11(d)	N11VR	4
N011-B	486:N11(b)	31:N11(a)									N11V	4
N012-A		31:N12(a)								436:N12(d)	N12VR	4
N012-B	468:N12(a)	31:N11(b)									N12V	4
N012-C	468:N12(b)											4
N033-C	490:N33(a)	31:N33(v)								437:N33(b)	N33AV	4
O029-A	496:O29(a)	32:O29(a)								438:O29(v)	O29V	4
O031-C		32:O31(a)									O31V	4
O031-D		32:O31(b)									O31VR	4
O036-A	496:O36(h)	32:O36(h)									O36H	4
P008-A	499:P8(h)	34:P8(b)								439:P8(v)	P8H	4
P008-B		34:P8(a)										4
R024-D	503:R24(v)	35:R24(v)								440:R24(v)	R24V	4
T010-A	511:T10(d)	37:T10(v)									T10V	4
U031-A		38:U31(v)									U31V	4
V026-A		39:V26(v)									V26V	4
V027-A	525:V26(v)	39:V27(v)									V27V	4

Name	G1957	G1928	G1929	G1931	G1953	GITB	M1909	M1927	M1936	A1999	C2005	Amd
W002-A	527:W2(a)	40:W2(h)									W2H	4
Y001-B	533:Y1(v)	41:Y1(v)								447:Y1(v)	Y1V	4
Y002-A	533:Y2(v)	41:Y2(v)									Y2V	4
ZA011-A	541:Aa11(a)	43:Aa11(a)								448:Aa11(a)	AA11V	4
ZA011-B	541:Aa11(b)	43:Aa11(b)								448:Aa11(b)	AA11VA	4
ZA030-A	543:Aa30(h)	44:Aa30(h)									AA30H	4
ZA032-A	512:Aa32(a)	43:Aa32(h)								448:Aa32(v)	AA32H	4
ZA032-B	512:Aa32(b)	43:Aa32(r)									AA32A	4