

# Proposal to Encode Proto-Cuneiform in Unicode

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## Acknowledgements

This proposal would not have come about without the prior work of many people, whom it would be impractical to name exhaustively here although most of their names occur *passim* in the References section of this document.

The Berlin/UCLA team led by Robert Englund and Peter Damerow, which itself gave rise to CDLI [CDLI], most currently managed by Émilie Pagé-Perron, Jacob Dahl and others, carried out foundational work on the print and digital resources on which all work on Proto-Cuneiform is based.

Michael Everson, Laura Hawkins and Debbie Anderson carried out and fostered work on Proto-Cuneiform for Unicode under the auspices of the Script Encoding Initiative [L2/16-267; L2/17-157; L2/19-284]. More recently, Anshuman Pandey laid the basis for the current proposal in several important proposal documents of his own [L2/20-193; L2/22-239; L2/23-190] and Robin Leroy was the principal author of a companion proposal to this one, Archaic Cuneiform Numerals (ACN) [L2/24-210].

Steve Tinney (University of Pennsylvania) authored the bulk of the current proposal and created the Oracc PCSL project [Tin24], the digital corpus (based on CDLI) and resources from which the appendices are derived.

Robin Leroy authored the section “Rationale for Separately Encoding Proto-Cuneiform” and frequently shared his expertise on cuneiform, Unicode, and LaTeX.

The PCSL font was initially created by Anshuman Pandey based on Bob Englund’s collection of signs and was an essential basis for the current proposal. The font was revised and augmented by Steve Tinney.

This project was made possible in part by a grant from the U.S. National Endowment for the Humanities, which funded the Universal Scripts Project PR-253360-17 [2017-2022] (part of the Script Encoding Initiative at UC Berkeley). Any views, findings, conclusions or recommendations expressed in this publication do not necessarily reflect those of the National Endowment of the Humanities.

The work was also made possible in part by a grant from the Mellon Foundation under the Public Knowledge program to the Script Encoding Initiative at the University of California, Berkeley.

In addition, we wish to acknowledge the support of the **Adopt-A-Character** program of the Unicode Consortium, supervised by Deborah Anderson and Andrew Glass.

## 1 Summary

This is a new proposal to encode 1392 ‘Proto-Cuneiform’ ([ISO15924] P<sub>cun</sub>) characters in the Unicode range 12690-12BFF. These characters belong to the earliest attested writing system, which emerged at the end of the 4th millenium BCE in the city of Uruk in a region between the Tigris and Euphrates rivers commonly referred to as Mesopotamia. The encoding would combine with ACN to cover more than 99% of all instances of graphemes in the corpus (5.4).

Proto-Cuneiform is a pictographic script, with symbols etched or pressed onto clay surfaces. This writing system was used initially for administrative and accounting purposes. Over time, these pictographs were replaced with

more abstract signs, which are known as ‘cuneiform’ ([ISO15924] Xsux). Accordingly, this ancestral writing system is known as ‘proto-cuneiform’. The ‘Sumero-Akkadian Cuneiform’ and ‘Early Dynastic Cuneiform’ blocks in Unicode cover most of the Xsux cuneiform repertoire.

Apart from the source materials, Proto-Cuneiform signs are depicted in scholarly publications, both in tables and in running text. Currently, these signs are displayed using images or fonts mapped to other script blocks due to the absence of a Unicode encoding. The aim of this proposal is to encode in Unicode a well-defined repertoire that will enable the representation of Proto-Cuneiform characters in plain text.

## 2 Previous Proposals

This proposal supersedes the following documents:

- [L2/16-267] = L2/16-267: “Preliminary proposal to encode Proto-Cuneiform in the SMP” (Everson & Hawkins)
- [L2/17-157] = L2/17-157: “Proposal to encode Proto-Cuneiform in the SMP of the UCS” (Everson & Hawkins)
- [L2/19-284] = L2/19-284: “Proposal to Encode Proto-Cuneiform in the SMP of the UCS” (Hawkins)
- [L2/20-193] = L2/20-193: “Preliminary proposal to encode Proto-Cuneiform in Unicode” (Pandey)
- [L2/22-239] = L2/22-239: “Revised proposal to encode Proto-Cuneiform in Unicode” (Pandey)
- [L2/23-190] = L2/23-190: “Revised proposal to encode Proto-Cuneiform in Unicode” (Pandey)

This revision supersedes recommendations made by Steve Tinney in [L2/24-211] = L2/24-211: “Comments on L2/23-190 Revised proposal to encode Proto-Cuneiform in Unicode”.

Most numerical signs have been moved to:

- [L2/24-210] = L2/24-210: “Archaic Cuneiform Numerals” (Leroy)

Major changes and enhancements from the previous proposal (L2/23-190) include:

- A revised set of principles on which the encoding is based
- Alignment of the encoding with established disciplinary practices
- Use of all available published and digital data for Proto-Cuneiform rather than sole reliance on Bob England’s collection of sign images available in a CDLI GitHub repository [Eng23] (abbreviated throughout this document as CDLI-gh)
- Several hundred previously encoded characters are treated as non-contrastive variants, following disciplinary standards, and are not encoded separately
- Over two hundred previously encoded characters are treated as sequences and are not encoded separately.

## 3 The Archaic Period in Mesopotamia

Proto-cuneiform script was invented in southern Iraq in the second half of the third millennium BCE and used until the early part of the second millennium BCE, approximately 3500-2900 BCE, generally known as the Archaic Period. This period was extensively described and discussed, with special reference to texts and writing, by the late Robert K. Englund in his magisterial book-within-a-book “Texts from the Late Uruk Period” [Eng98]. The following sketch is based largely on Englund’s discussion to which the reader is referred for a detailed account.

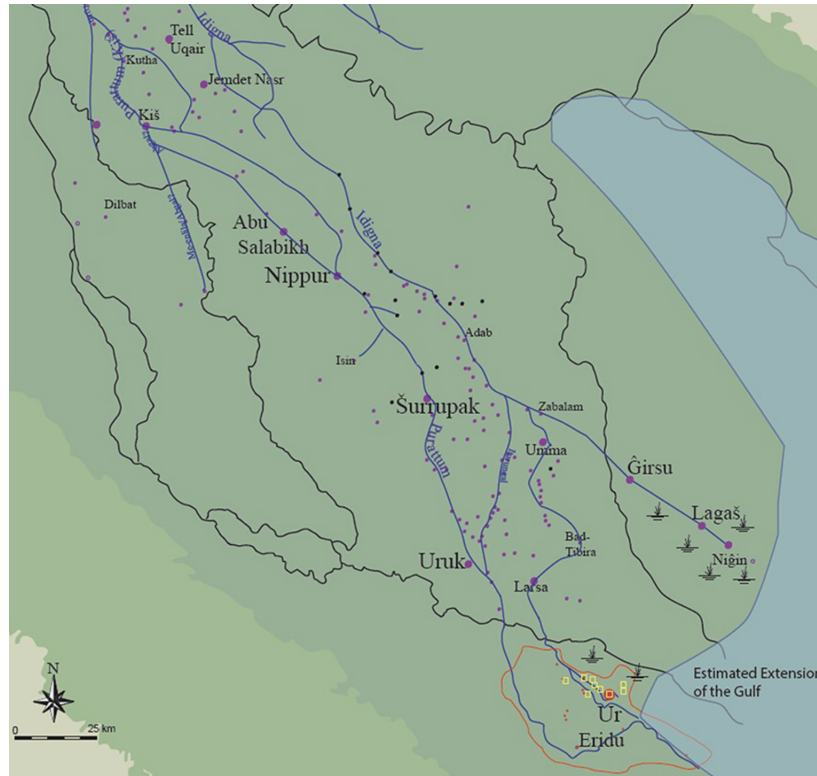


Figure 1: Map of southern Iraq showing canal networks and key settlements of the late fourth and early third millennia BCE (from [Ben15])

### 3.1 Birth of Cities

The flourishing of urbanization in southern Mesopotamia during the fourth millennium BCE gave rise to several major centres of which the best known and most excavated is that of Uruk. Major institutional buildings, new artistic forms illustrating the importance of the ruler and the relationship of the ruler and the gods, and the invention of writing are all features of socio-political developments in the first cities.

Networks of canals connected important centres and the distribution of material culture and writing show that the world of the Archaic Uruk period was characterized by significant interaction between communities, not only within southern Mesopotamia but in “Uruk enclaves” in the Susiana plain of modern Iran and in modern Syria and Türkiye where Uruk architecture, visual arts, and administrative systems indicate the presence of Uruk colonies for trading or resource extraction [Alg93; Alg05].

### 3.2 History

We cannot write a political history of the late fourth millennium, and the lack of archaeological context for key Uruk period textual finds means that we must resort to dating the tablet finds by relative palaeographical criteria rather than by documented archaeological findspots.

The sporadic nature of both archaeological excavations and text corpora is another impediment to a continuous history of these early periods, as Algaze notes in his excellent synthesis of the Uruk period primarily from the archaeological perspective [Alg13]. Algaze reviews the surface survey data, excavations, and (in less detail) the textual finds from all parts of the Uruk world and presents a coherent picture of a cyclical efflorescence and decline of major cities in the south each with their own networks of smaller settlements in a hierarchy up to four levels deep. In addition, as mentioned above, there is extensive evidence of relatively far-flung colonial outcroppings. Considering the extent of these hundreds of settlements active over five to six hundred years, albeit often episodically or intermittently, the text-corpus of less than 7000 documents from a handful of sites

|      | Period                    | Writing Phase  | Historical Developments                          |
|------|---------------------------|--|--|
| 3400 |                           |  |  |
| 3300 |                           | Clay bullae and numerical tablets  | Beginning of large-scale settlement of Babylonia |
| 3200 | Late Uruk                 |  | First urban centers                              |
| 3100 |                           | Archaic texts from Uruk:<br>Writing Phase Uruk IV,<br>Writing Phase Uruk III | Age of early civilization                        |
| 3000 | Jemdet Nasr               |  |  |
| 2900 |                           |  |  |
| 2800 | Early Dynastic I          | Archaic texts from Ur  |  |
| 2700 |                           |  | Formation of large irrigation networks           |
| 2600 | Early Dynastic II         |  |  |
| 2500 |                           | Texts from Fara  |  |
| 2400 | Early Dynastic III        | Old Sumerian texts   | Rival city-states                                |
| 2300 | Dynasty of Akkad          | Old Akkadian texts   | First regional state                             |
| 2200 |                           |  |  |
| 2100 | Gudea of Lagash<br>Ur III | Neo-Sumerian texts   | Centralized state of the 3rd Dynasty of Ur       |
| 2000 |                           |  |  |

Figure 2: Chronological overview of early Mesopotamia from [Eng98, p. 23]

presumably can only represent a small subset of the ancient textual material generated and, in some cases, still awaiting excavation.

### 3.3 Major Text Corpora

Figure 2 provides a schematic overview of the sequence of major text finds in the ‘Writing Phase’ column. The entry ‘Clay bullae and numerical tablets’ in the Writing Phase column is the equivalent of the periodic classification Uruk V. Only small groups of texts are omitted from the subsequent Late Uruk (Uruk IV and Uruk III) into the Jemdet Nasr period (examples include Uqair, Larsa). For ED I–II we have the ED I–II Ur texts [Bur35; LV13]; a few tablets from Uruk which are later than archaic [Gre82]; and some tablets from Fara that are earlier than ED IIIa [Kre14]. Then the record is silent until Fara (Šuruppak) [Kre98].

The largest and most important group of archaic texts was excavated in the city of Uruk. The tablets were found in secondary context, meaning that the relative dating of tablets to Uruk IV or the later Uruk III is not based on stratigraphy but on formal and palaeographical features [Nis86, pp. 318–323]. About 100 tablets and bullae are assigned to the Uruk V period which precedes Uruk IV by an uncertain amount of time. The Uruk period text corpus is described in more detail in section 5.1.

As Englund demonstrates the archaic text corpus reflects organized agriculture, animal husbandry, and other production. The documents evidence social hierarchy and specialization, including the birth of scribal culture in early Mesopotamia.

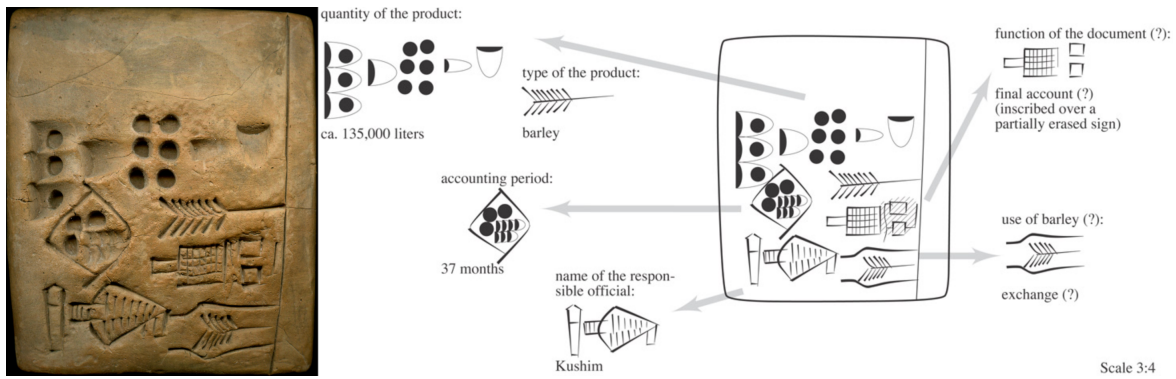


Figure 3: Beer dossier account of Kushim [P005340] with copy and explanation by Bob Englund and Peter Damerow [DE93, p. 37].

### 3.3.1 Administrative Texts

The bulk of the archaic tablets are administrative documents. They exhibit varying degrees of complexity from simple tags or one-transaction memos to multi-transactional summaries with a relatively complex organization of cases as indicated in figures 3 and 4.

A number of studies have analysed subgroups of the administrative texts, with the result that the content and methodologies of the archaic accounting records are well understood.

An early example is Margeret Green's work on animal husbandry [Gre80], which is complemented by Englund's work on dairy metrology [Eng91] and production [Eng95a] and the herding of pigs and other animals [Eng95b], as well as J. Cale Johnson's essays on butchering [Joh16] and ritual meat distribution [Joh19].

Other studies have examined grain accounting [Eng01] and time designations [Eng98, pp. 121–127]. One of the earliest dossiers of activity of a named individual, Kušim the brewer, is studied by Peter Damerow and Bob Englund in [DE93].

In another important contribution with far-reaching implications, Englund also forged new paths in the identification of personal names of labourers—probably captured slaves—in a small group of tablets from Uruk and Umma [Eng09].

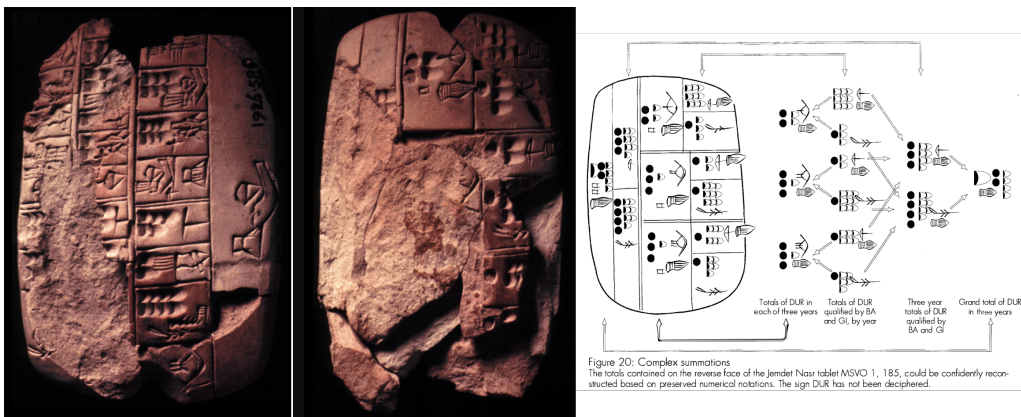


Figure 4: The complex summation [P005252] = MSVO 1, 185 with Englund's analysis [Eng98, p. 63].

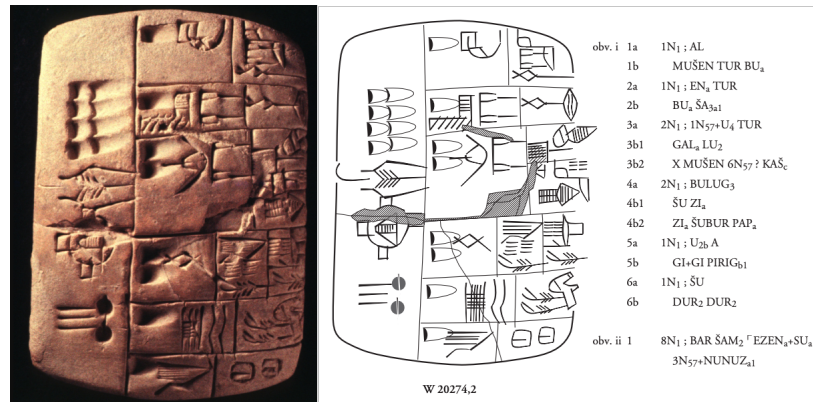


Figure 5: Personnel list [P003500] with Englund's copy and transliteration [Eng09, p. 13]. The expressions AL, EN~a TUR, 1(N57)×U4 TUR, BULUG<sub>3</sub>, U<sub>2</sub>~a A and ŠU are probably age qualifications of individuals.



Figure 6: Sample lexical tablets: Professions [P000006], [P000011]; Archaic Vocabulary [P000025]

### 3.3.2 Lexical Lists

The other important—but numerically smaller—group of texts are the word lists that Assyriologists generally refer to as ‘Lexical Texts’. These appear in the earliest phases of writing and are especially well evidenced in Uruk-III. The best attested of these is the list of professions and occupations usually called ‘Archaic Lu A’, ‘Professions’, or some combination thereof. More than 60 fragments of this list have been identified, from which an almost complete composite text can be reconstructed. The creation of a composite text is a common disciplinary practice with lexical lists which are attested mostly in small fragments containing only a few lines of the text: combining these overlapping fragments, which exhibit a generally if not perfectly consistent order and selection of lines, results in a reconstructed text which facilitates working with the data.

The range of archaic lexical texts is modest but invaluable. The lists are primarily thematic, covering Vessels and Garments (the second-best attested list after Professions); Metals; Wood; Cattle; Officials; Cities; Geography; Fish; Food; Birds; and Plants. There are also some word lists which are not strictly thematic. An excellent overview is given by Niek Veldhuis in [Vel14, pp. 27–59].

Importantly, some of the archaic lexical lists continue into Early Dynastic, where tablets from Fara and Abu Šalabikh write the same content but in contemporary cuneiform—see [Lec09; Wag16] with previous literature.

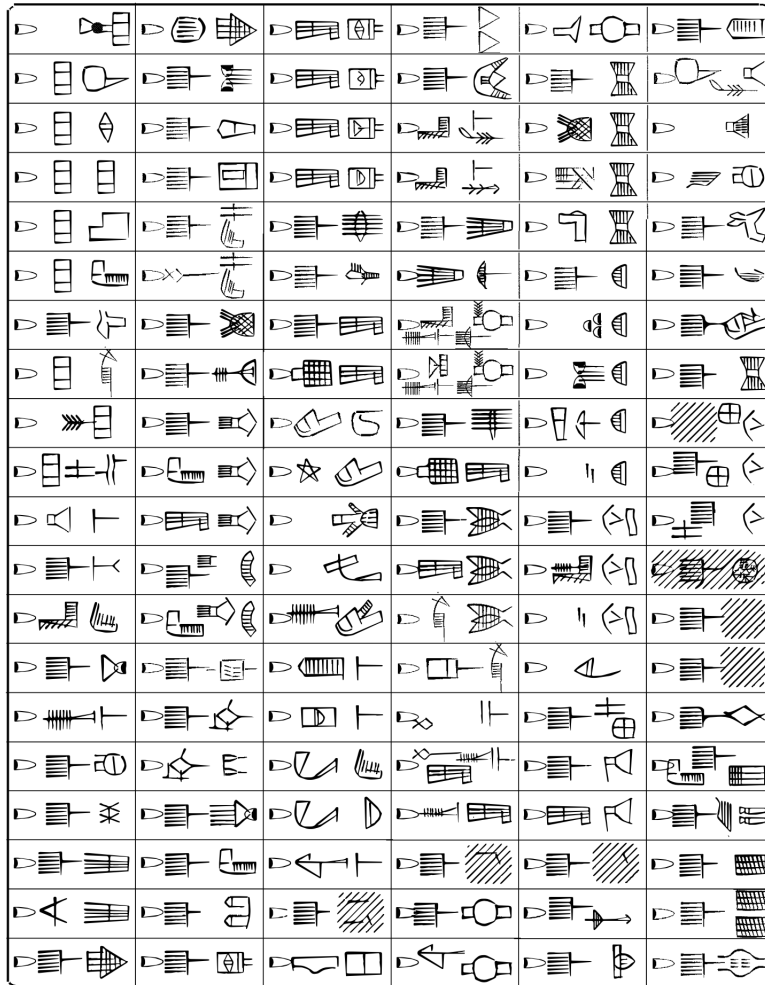


Figure 7: Englund's composite of the professions/occupations list, Lu. Shaded areas are entries that cannot be fully reconstructed from the extant manuscripts [Eng98, p. 104].

### 3.4 Writing

#### 3.4.1 Technology, Technique, Phases

Proto-Cuneiform tablets are made of refined and formed clay, which was inscribed when still slightly moist, establishing a practice that continued for millennia to come [Tay11]. The earliest tablets were inscribed with a pointed instrument—likely a sharpened reed—with circular indentations made with a round tool, presumably the other end of the stylus. The pointed tool was replaced with a triangular-ended stylus which was impressed into, and in some cases then dragged lightly across, the surface of the clay to produce the characteristic triangular indentations with a deep head and a shallow tail that give rise to the term ‘cuneiform’ [Gre81; Nis86].

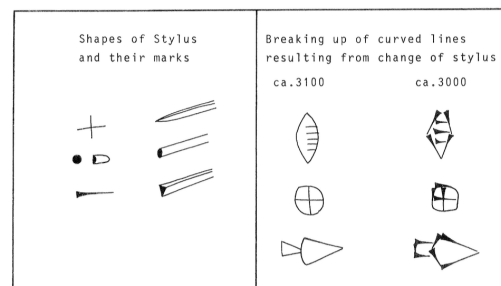


Figure 8: Styli and sign development [Nis86, p. 320]

The precise analysis of writing phases in the Uruk texts is hampered by the lack of tablet finds in primary archaeological context [Nis86, pp. 318–323]. The general assumption is that earlier sign forms are more curved; have a greater variety of angles; or are drawn with a pointed stylus rather than being constructed of cuneiform strokes.

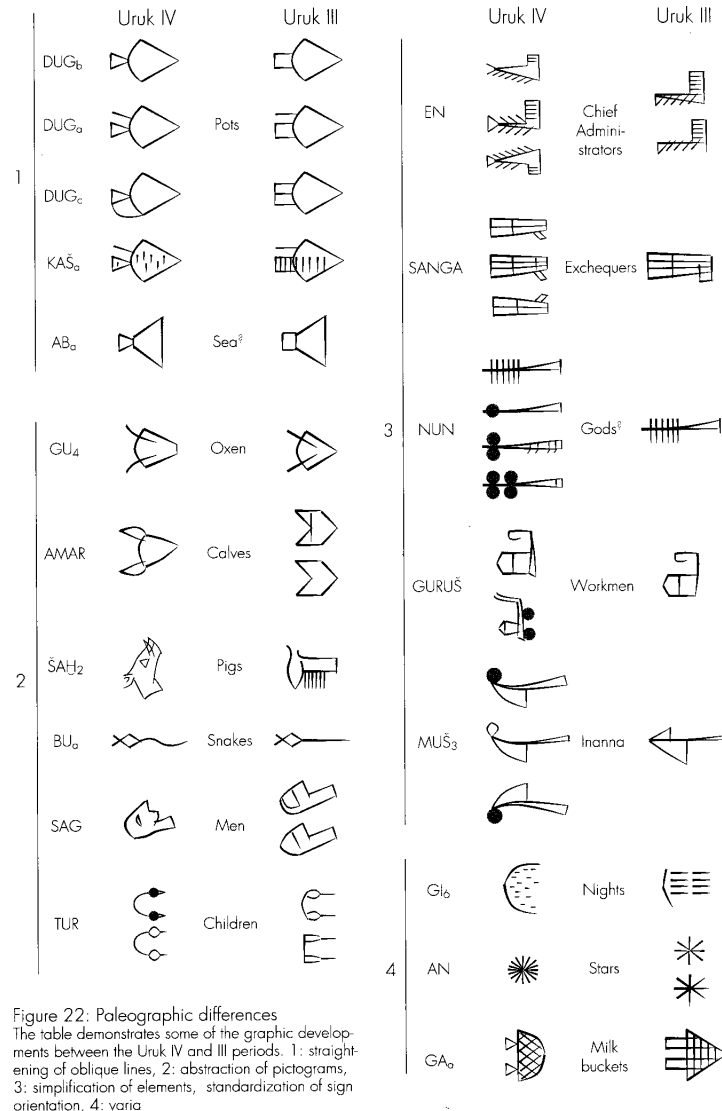


Figure 9: Englund's overview of Uruk IV/Uruk III sign forms [Eng98, p. 69].




























Englund's discussion of this is accomplished with a figure which is unfortunately absent from the PDF of the book; his Figure 22 is reproduced here [Eng98, p. 69].

### 3.4.2 Orientation and Disposition

One longstanding point of discussion in the study of Proto-Cuneiform and its descendants is the orientation of the script, a discussion rooted in the fact that the later cuneiform versions of signs as normally represented in hand copies and published images are rotated 90 degrees from the expected natural orientation of their pictographic forebears. Thus the sign SAG, head, with forms approximately matches the cuneiform . A more naturalistic rendering of SAG, however, would be and this orientation is preferred in some recent literature, e.g., [Sel25]. In this proposal we follow conventional disciplinary practice as adopted in the standard corpus publications of Proto-Cuneiform and the CDLI.

The spatial division of Proto-Cuneiform administrative and lexical tablets into cases which are often quite narrow gives rise to an important feature of the disposition of combinations of signs, which may be placed beside, above,



|   |   |   |   |   |   |   |  |   |   |
|---|---|---|---|---|---|---|--|---|---|
| PICTOGRAPHIC SIGN c. 3100 BC                  |  |  |  |  |  |  |  |  |  |
| INTERPRETATION                                | star  | ?sun over horizon   | ?stream   | ear of barley   | bull's head   | bowl  | head + bowl  | lower leg   | ?shrouded body  |
| CUNEIFORM SIGN c. 2400 BC                     |  |  |  |  |  |  |  |  |  |
| CUNEIFORM SIGN c. 700 BC (turned through 90°) |  |  |  |  |  |  |  |  |  |
| PHONETIC VALUE*                               | dingir, an  | u <sub>1</sub> , ud   | a   | šc  | gu <sub>1</sub>   | nig <sub>1</sub> , ninda  | ku <sub>1</sub>  | du, gin, gub  | lu <sub>1</sub>   |
| MEANING                                       | god, sky  | day, sun  | water, seed, son  | barley  | ox  | food, bread   | to eat   | to walk, to stand   | man   |

\* Some signs have more than one phonetic value and some sounds are represented by more than one sign. U<sub>1</sub> means the fourth sign with the phonetic value u.

Figure 10: Traditional presentation of development of cuneiform showing rotation of script between rows three and four. [Roa90, p. 70]

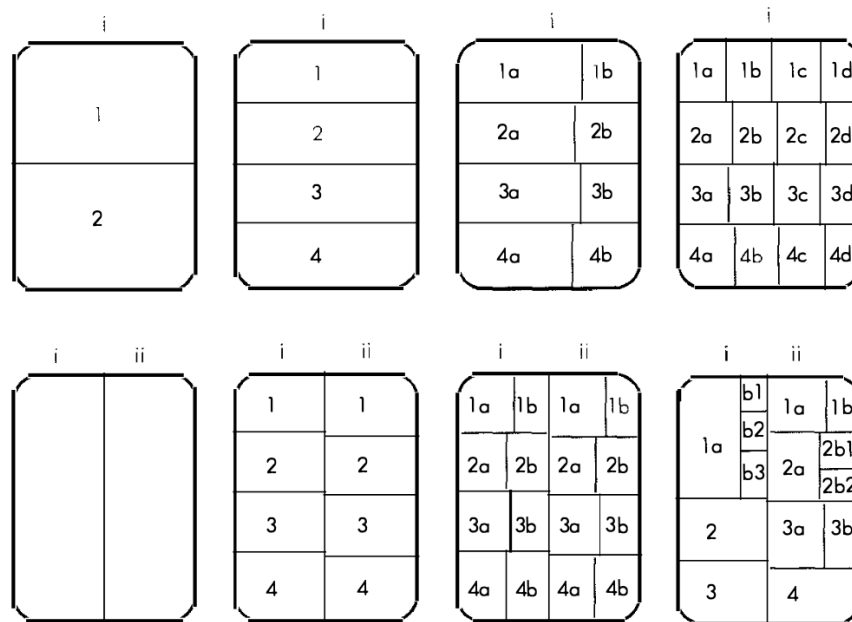


Figure 11: Sample tablet organizations; the CDLI transliterations utilize dotted line numbers to address cases of the form 1a.b2 etc. Extract of [Eng98, p. 58].

or otherwise near each other as space permits, and may be written in varying order depending partly on the space available in the box into which the signs have to fit. This has an important impact on the determination and treatment of sequences, as explained in 6.3.

### 3.4.3 Semantics

The language of the archaic corpus is uncertain: many would accept that it is Sumerian, but for Englund and others this remains stubbornly unprovable (see recently [Kee20]). Despite this, continuities between PC and later cuneiform, contextual inferences drawn from counting and measuring systems, and the similarity of some signs to the objects they picture all combine to allow the general sense of many signs or groups of signs to be divined. Two of Englund's figures are chosen here to illustrate this point, but the entirety of "Texts from the Late Uruk Period" is in a sense his demonstration that the archaic corpus—contrary to what some might think—is increasingly well understood.

|                      | Sex       |  | Females    | Males                |
|----------------------|-----------|--|------------|----------------------|
|                      | Age       |  |            |                      |
| Wool Sheep           | Adults    | U <sub>8</sub>                         |            | UDUNITA<br>          |
|                      | Juveniles | SIL <sub>A4</sub><br>KIR <sub>11</sub> |            | SILANITA<br>         |
| Fat-tailed Sheep (?) |           |  | GUKKAL<br> |                      |
| Goats                | Adults    | UD <sub>5</sub>                        |            | MAS <sub>2</sub><br> |
|                      | Juveniles | EŠGAR                                  |            | MAS<br>              |

SMALL CATTLE: SHEEP AND GOATS

UDU






Figure 12: Signs for ovi-caprids [Eng98, p. 149].









| Uruk IV | Uruk III | sign name                              | meaning                      | Uruk IV | Uruk III | sign name          | meaning                              |
|---------|----------|--|------------------------------|---------|----------|--------------------|--------------------------------------|
|         |          | DUG <sub>a</sub>                       | beer                         |         |          | KAS <sub>b</sub>   | dairy fat mixed with crushed barley? |
|         |          | KAS <sub>a</sub>                       | beer                         |         |          | KAS <sub>c</sub>   | dairy fat mixed with crushed barley? |
|         |          | KISIM <sub>b</sub>                     | butter fat from sheep's milk |         |          | NI <sub>a</sub>    | dairy fat ?                          |
|         |          | KISIM <sub>b</sub>                     | butter fat from goat's milk  |         |          | GA <sub>a</sub>    | milk ?                               |
|         |          | DUG <sub>b</sub>                       | dairy fat                    |         |          | DUG <sub>c</sub>   | dairy fat                            |
|         |          | UKKIN <sub>b</sub><br>+NI <sub>a</sub> | dairy fat                    |         |          | GARA <sub>2a</sub> | cream ?                              |

Figure 13: Signs for liquid and semi-liquid products [Eng98, p. 168].

## 4 Rationale for Separately Encoding Proto-Cuneiform





At the meeting of the Initiative for Cuneiform Encoding in 2000, it was determined that “the encoding of proto-cuneiform is initially, but not neces(s)arily ultimately, beyond the purview of the project [of cuneiform encoding]” [L2/00-398]. When the principles for encoding the cuneiform script were set out in [L2/03-162], the question of unification with the script of the archaic period was left open.





The initial scope of the encoding covered the cuneiform script as used from the Ur III period through the first millennium, although a few distinctions only apparent in the Early Dynastic period, such as  IM vs.  NI<sub>2</sub>, and a few characters used only in the Early Dynastic period, such as  ZAM<sub>x</sub> (ELles [Man81] 396), were also captured in the initial encoding in Unicode Version 5.0. The scope of the cuneiform script was expanded two and a half centuries back in time in Unicode Version 8.0 with the addition of the Early Dynastic Cuneiform block, based on the Early Dynastic IIIa repertoire in [Dei22]; see the proposal [L2/12-208].




At first glance, it may therefore seem possible to expand the scope of the cuneiform script further to the fourth millennium. The expansion of the glyphic range would be minor compared to its current extent; consider the variety of glyphs for U+1214B  CUNEIFORM SIGN IL, from Early Dynastic IIIb  to Old Babylonian  and Neo-Assyrian . Indeed the glyphs of some proto-cuneiform signs would lie within the glyphic range of some archaizing Early Dynastic inscriptions: compare the sign LAK500  or  on the shoulder of the ED IIIb statue of  [P225850] with the reference glyph proposed for U+12860  PROTO-CUNEIFORM SIGN IL.



This impression of unifiability is reinforced by the treatment of the Uruk and Jemdet Nasr forms as another column in the diachronic [LL95], and the concordances with [Dei22] and multiple Sumerian readings for each sign given in [GN87, pp. 167–346], as in any other cuneiform sign list.

However, a discontinuity in the approach to sign identity in proto-cuneiform appears in [GN87, pp. 347 sqq.]. Wary of letting a Sumerian reading based on third millennium texts hide distinctions specific to the fourth millennium corpus, Englund makes major changes to the identification of signs, which have been followed in proto-cuneiform studies since:

1. Switching to a system of opaque sign names without interpretation, for instance, always GAR for the proposed U+127EF  PROTO-CUNEIFORM SIGN GAR regardless of context rather than a context-dependent reading gar (heap), niḡ<sub>2</sub> (thing), or ninda (bread) and interchangeable GAR, NIḡ<sub>2</sub>, or NINDA when referring to the abstract sign for U+120FB  CUNEIFORM SIGN GAR.
2. Avoiding sign names based on Sumerian readings of sign sequences, so that  is generally transliterated as a sequence, MUŠEN ŠE<sub>a</sub>, rather than UZ<sub>a</sub>.
3. Classifying allographs, for instance, KAŠ<sub>a</sub> through KAŠ<sub>d</sub> for variants of signs representing pots, whose cuneiform reflex is likely U+12049  CUNEIFORM SIGN BI (=KAŠ).

The classification of allographs can reveal semantic contrasts; for instance, the signs  KAŠ<sub>a</sub> and  KAŠ<sub>b</sub> appear to correspond to pots containing different substances, see [Eng98, p. 168], even though the linguistic distinction is unknown. In other cases, no semantic contrast can be identified, as between  KAŠ<sub>b</sub> and  KAŠ<sub>c</sub>. Effectively, from a character encoding standpoint, this approach to character identity is more akin to the one used for undeciphered scripts, and is contradictory to the model for a fully-deciphered script, where orthographic distinctions are encodable, but stylistic ones are not, even when they are somewhat systematic.

The avoidance of readings is also incompatible with a unified model, because it conflicts with the diachronic handling of mergers and splits. For signs that split in later phases of cuneiform, but have identical appearances in the early third millennium, such as  MES and  DUB, an interoperable encoding is obtained based on the reading: a sign read mes is encoded as U+12229, and a sign read dub is encoded as U+1207E. However, if the proto-cuneiform approach is followed and the sign is invariably transliterated as DUB, the resulting encoding may be incompatible with the one based on a Sumerian reading; see the example of the personal name  mes-lu<sub>2</sub>-nu<sub>2</sub>-še<sub>3</sub> in Section 4.1.

The same holds for the avoidance of readings of sign sequences; an interoperable encoding of cuneiform  is achieved by reading it as nunuz uz<sup>mušen</sup> “duck eggs”, and accordingly using the UZ sign, U+122BB , whereas

$n \triangleright \text{𒍪} \text{𒍪} \text{𒍪}$  is read as  $n \text{ sila}_3 \text{ še mušen niga}$  “ $n$  sila of barley for the fattened birds”, and thus encoded using the sequence (U+122BA 𒍪, U+12137 𒍪). In general, this means that in the cuneiform script, interoperability is retained regardless of whether a particular diri (compound sign sequence) is encoded as a sequence, like 𒍪𒍪 or 𒍪𒍪, or atomically, like 𒍪𒍪 or 𒍪𒍪. In contrast, most transliterations of proto-cuneiform texts involving ducks transliterate them as a sequence, MUŠEN ŠE<sub>a</sub>. Even ignoring this inconsistency of encoding between fourth and third millennium texts in a putative unified encoding, a further problem would arise from the occasional transliteration that lets itself be influenced by a Sumerian reading: a few transliterations, primarily those of composite lexical texts, use compound readings such as UZ<sub>a</sub>. If these were encoded as cuneiform, the composites would then use the atomic signs, and would have an encoding inconsistent with their witnesses.

Finally, the opaque labels used as sign names, while initially based on an educated guess at the cuneiform reflex, need to be stable, and are therefore retained even when they prove to be incorrect as mappings to cuneiform signs; for instance, the proto-cuneiform sign 𒍪 ŠITA<sub>b3</sub> turns out not to be related to 𒍪 ŠITA, but instead to 𒍪 SILA<sub>x</sub> (LAK636) [Wag16, p. 220]; proto-cuneiform 𒍪 KAB is not the ancestor of cuneiform 𒍪 KAB, but instead that of 𒍪 HUB<sub>2</sub> and 𒍪 TUKU [Wag16, p. 274], a misnomer perhaps attributable to the second millennium 𒍪-𒍪 merger. Similarly, the realisation that in ED cuneiform the signs 𒍪 LAK031 and 𒍪 LAK032 correspond to uri<sub>3</sub>, “standard” and šeš, “brother”, respectively, is reversed in the naming of PC 𒍪 URI<sub>3</sub>-a and 𒍪 ŠEŠ-a and 𒍪 ŠEŠ-b, as frequently observed (most recently [Sel25, pp. 154–158]). The PC names, however, are strictly conventional, making this apparent misalignment irrelevant (if inconvenient) for the description of the PC signs. The actual relation between proto-cuneiform and cuneiform signs is often more complex than a one-to-one mapping; see for instance [Wag16, p. 217] on the development of proto-cuneiform 𒍪 IM<sub>a</sub> and 𒍪 NI<sub>2</sub> into cuneiform 𒍪 TE, 𒍪 IM, and 𒍪 NI<sub>2</sub>, or [Wag16, p. 220] on the three proto-cuneiform ancestors of 𒍪 LAK636. In many cases, it is still poorly understood and may remain so.

These structural incompatibilities in the analysis of character identity, which stem from a now well-established approach to the fourth millennium texts ultimately motivated by the avoidance of assumptions about their language, therefore require a disunified approach.

#### 4.1 ED I-II Excluded from the Proposal

It is generally recognized that there is a group of about 400 texts from the site of Ur which are later than Proto-Cuneiform but earlier than the ED IIIa corpus from Fara (Šuruppak): these are conventionally assigned to the Early Dynastic I-II period. There are also about two dozen tablets and fragments from Uruk that are assigned to the same period [LV13, p. 18 w.n. 79].

Texts and signs from this period are excluded from the proto-cuneiform proposal.

In Englund’s exhaustive discussion of the Archaic texts, he includes this period in his concluding remarks as the 8th phase of proto-cuneiform:

##### 8. Period of late proto-cuneiform

Ca. 2800-2700 B.C. (Early Dynastic 1), this period is characterized by the earliest apparently multi-valent use of proto-cuneiform to write Sumerian words in personal names. The archaic numerical systems were used, but in simplified forms, and the lexical lists were copied and transmitted, but no new lists were added. Tablets were as a rule clumsily formed and inscribed. [Eng98, p. 215]

Appearing about 15 years later, Lecompte and Verderame’s edition of ED I-II fragments from Ur observed that there are key features of the writing system that depart from the earlier PC practices, and argued from analysis of personal names and other textual content that the language of the ED I-II Ur texts is Sumerian:

We decided to follow in the transliteration the system that is commonly accepted for Sumerian, thus in small type and in accordance with the values of the signs available on the e-PSD website or in aBZL. We did not adopt the codes applied to the archaic texts from Uruk and Jemdet Nasr, although the transliteration available for lexical tablets in ATU 3 follows such a system for the ED I-II period. This choice is justified by the fact that the signs in the texts from Ur do not seem to present the same

variants as their archaic forerunners: for example, the different shapes of  $E_2$  cannot be classified into  $E_2\text{-a}$ ,  $E_2\text{-b}$ ...; furthermore, some signs have no variant, such as  $DU_8$ , which is always drawn according to a standard and well known shape. Second, as the language of these texts is undoubtedly Sumerian, it would have been unnecessary to use such values: instead of writing such cumbersome transliterations as  $DUB\text{-a-LU}_2\text{-NU-}\check{S}E_3$  or  $EN\text{-a-GAN-a-GI4-a}$ , it was accordingly more convenient to propose directly  $Mes\text{-lu}_2\text{-nu-}\check{s}e_3$  and  $En\text{-}\check{h}e_2\text{-gi}_4$ . [LV13, p. 4]

Another factor which marks the ED I-II corpus as transitional between Uruk III/Jemdet Nasr and ED IIIa is the organization and structure of tablets. In a thorough survey of these “diplomats”, Lecompte, based on the work of the original editor of the ED I-II corpus from Ur, Burrows, summarizes the situation as follows:

As Burrows has already noted, archaic texts from Ur are intermediate in nature. Features common with Late Uruk/Jemdet Nasr tablets include:

- an oblong shape, half rounded sides, larger tablets having a rectangular format.
- a reverse generally left unincised.
- the presence of clauses and subscripts freely disposed apart from or into the columns.
- tablets from Ur displaying rows of lines inconsistent with the usual columns; this clearly comes from the horizontal lines subdivided into columns observable in a few of the Jemdet Nasr texts.

On the other hand, the ED I-II texts are forerunners to the ED III tablets in regard to the following aspects:

- surface, with a rather flat obverse and convex reverse.
- a lack of subdivision of cases similar to the Late Uruk period.
- total expressed as  $gu_2\text{-an-}\check{s}e_3$ .

Other features are very specific to the ED I-II period, such as the clumsy form of many tablets and the random disposition of columns. [Lec16, p. 142].

After discussion among the proposal authors, we have determined that it is preferable to establish the end of the Uruk III period as the cutoff for Unicode PC encoding, and to assign the ED I-II signiary to Sumero-Akkadian Cuneiform.

Unencoded signs which occur only in ED I-II texts will therefore be evaluated for encoding in SAC in the future, as will signs that first occur in ED I-II and recur in later periods.

#### 4.1.1 PC signs in ED I-II

For characters that occur only in Proto-Cuneiform and ED I-II, we do not propose to encode the character twice; instead, as with the Archaic Cuneiform Numbers, we propose to treat isolated PC signs in ED I-II texts as archaic holdovers. An assignment of `Script_Extensions=Pcun Xsux` will be proposed for these signs in future documents as they are identified.

#### 4.1.2 Pcup and Xsux Relationships Not in Unicode Scope

The development of the cuneiform script from Proto-Cuneiform to Sumero-Akkadian Cuneiform is naturally a matter of considerable interest particularly because of the hope that better understanding of this development might assist in improvements in the decipherment and interpretation of both PC and ED texts. Scholarly discussion of this development can be expected to remain active and to exhibit ongoing shifts in perspectives and understanding [Wag16; Sel25].

The proposal to encode Proto-Cuneiform does not provide a concordance of Pcup and Xsux signs for several reasons. One is that the proposal is a systematic disunification of Pcup and Xsux, which does not depend on the two writing systems mutually informing each other. Another is that assertions concerning individual relationships of PC and ED signs exhibit varying degrees of certainty or plausibility: reducing these to a standard is currently impractical and may always be so. Relatedly, a further reason is that any concordance provided here would inevitably require frequent updating of the standard. For all of these reasons, alignment of the Pcup and Xsux repertoires is left as an exercise for the scholarly community.

## 5 Materials for Encoding Proto-Cuneiform

This section of the proposal gives an overview of the Proto-Cuneiform (PC) corpus and character set. Based on existing scholarship and published resources, it also defines some principles for assessing whether a given character should be considered encodable in Unicode at the present time. Applying these principles to the complete Proto-Cuneiform character set, a proposed encodable repertoire is also provided.

The complete repertoire is called here the Proto-Cuneiform Sign List (PCSL). The encodable subset and the associated documentation are called PC25, for Proto-Cuneiform 2025.

The description and definition of PCSL and PC25 are intertwined, and we do not attempt to treat them in a separate, linear way. Rather, the PC corpus is taken as the foundation and criteria are established for defining the subcorpus that should be fully represented in PC25. Signs that occur *only* outside of this subcorpus are not considered encodable, but most of the texts that fall outside of this subcorpus are in fact fully covered by PC25 because the unencoded characters affect relatively few texts.

The PC corpus as hosted on the Cuneiform Digital Library Initiative website at <https://cdli.earth> is the most important resource for encoding PC because it defines current scholarly practice in the field. PCSL and PC25 diverge from this corpus systematically only in the translation of the corpus to the Unicode notations used by Oracc, the [Open Richly Annotated Cuneiform Corpus](#). The PCSL corpus makes only minor adjustments to the CDLI corpus to correct for certain notational inconsistencies (for specifics see the GitHub history for [cepc/00src/pdsl.atf](https://github.com/cepc/00src/pdsl.atf) in the PCSL repository.)

Another major resource for encoding PC is the set of published sign lists as well as the collection of signs based on the work of Bob Englund that is available on the CDLI github repository. These lists were systematically evaluated during the creation of PCSL: the results are integrated in the synoptic tabulation of PCSL given in Appendix A.

The principles as well as an explanatory section on Sequences provide the rationale for selecting characters that occur in the PC25 subcorpus for encoding.

PC25 code charts and a listing of the character repertoire are given in [nd](#) in attachments to this PDF.

### 5.1 Texts

The PC text Corpus is defined by the CDLI corpus of Proto-Cuneiform texts of Uruk V, Uruk IV, and Uruk III date, as adapted for use by PCSL: we call this CDLI-tc; note that CDLI-tc is used here only in the PCSL version of the corpus. This version has some minor modifications to the transliteration and has been converted to use Unicode transliteration conventions rather than the CDLI ASCII ones.

There are 6282 texts in the corpus of which 94 are attributed to Uruk V; 1788 are attributed to Uruk IV and 4400 to the subsequent Uruk III period.

#### 5.1.1 The Print Corpus

The principal modern publications of the Proto-Cuneiform corpus are:

**ATU2=ZATU** [GN87]: M.W. Green, Nissen, H. *Zeichenliste der archaischen Texte aus Uruk*, ATU 2, Berlin 1987.

**ATU3=LLATU** [EN93]: R.K. Englund und Nissen, H., unter Mitarbeit von Peter Damerow, “Die lexikalischen Listen der archaischen Texte aus Uruk” (ATU 3), Berlin 1993.

**ATU5** [Eng94]: R.K. Englund, *Archaic Administrative Texts from Uruk: The Early Campaigns*, ATU 5, Berlin 1994.

**ATU6** [EN94]: R.K. Englund and Nissen, H., *Archaische Verwaltungstexte aus Uruk: Vorderasiatisches Museum II*, ATU 6, Berlin 2005.

**ATU7** [EN01]: R.K. Englund and Nissen, H., *Archaische Verwaltungstexte aus Uruk: Die Heidelberger Sammlung*, ATU 7, Berlin 2001.

**MSVO1** [EG91]: R.K. Englund and Grégoire, J.-P., *The Proto-Cuneiform Texts from Jemdet Nasr*, MSVO 1, Berlin 1991.

**MSVO3** [Dam]: R.K. Englund, *The Proto-Cuneiform Texts from the Erlenmeyer Collection*, MSVO 3, Berlin forthcoming.

**MSVO4** [EG91]: R.K. Englund, *Proto-Cuneiform Texts from Diverse Collections*, MSVO 4, Berlin 1996.

**CUSAS01** [Mon07]: S.F. Monaco, *The Cornell University Archaic Tablets (CUSAS 1)*, Bethesda, MD, 2007.

**CUSAS21** [Mon14]: S.F. Monaco, *Archaic Bullae and Tablets in the Cornell University Collections (CUSAS 21)*, Bethesda, MD, 2014.

**CUSAS31** [Mon16]: S.F. Monaco, *Archaic Cuneiform Tablets from Private Collections (CUSAS 31)*, Bethesda, MD, 2016.

### 5.1.2 The Digital Corpus

The digital corpus includes the contents of all of the above major publications:

- Uruk lexical tablets from ATU3 (Uruk IV and Uruk III)
- Uruk administrative tablets from ATU5, ATU6, ATU7 (Uruk V, Uruk IV and Uruk III); these supersede ATU1
- Jemdet Nasr (Uruk III) tablets from MSVO1; these supersede Langdon, PI
- Tablets from various locations from MSVO4; this includes non-Uruk tablets which were included in ATU1
- Tablets in private collections from various locations in CUSAS1, CUSAS21, and CUSAS31; these post-date the ATU and MSVO volumes
- Tablets from the “Erlenmeyer Collection”; these were to be published in MSVO3 which has not yet appeared; many of them have been edited by Englund and others in various publications, however

### 5.1.3 PCSL Corpus

PCSL’s version of CDLI-tc has the following composition divided by provenience, period, and published versus unpublished status:

|       | V/pub | V/unp | V/all | IV/pub | IV/unp | IV/all | III/pub | III/unp | III/all |
|-------|-------|-------|-------|--------|--------|--------|---------|---------|---------|
| Uruk  | 58    | 0     | 58    | 1258   | 485    | 1743   | 1957    | 1084    | 3041    |
| JN    | 2     | 0     | 2     | 0      | 0      | 0      | 234     | 31      | 265     |
| Umma  | 0     | 0     | 0     | 0      | 0      | 0      | 93      | 305     | 398     |
| Uqair | 0     | 0     | 0     | 0      | 0      | 0      | 42      | 0       | 42      |
| Misc  | 23    | 11    | 34    | 33     | 12     | 45     | 586     | 68      | 654     |
| total | 83    | 11    | 94    | 1291   | 497    | 1788   | 2912    | 1488    | 4400    |

### 5.1.4 PC25 Corpus

About 1/3 of the PCSL corpus is available only in transliteration or photograph and has not yet been subjected to the rigorous assessment of a scholarly edition. These texts are removed to create a subcorpus of well-studied text to serve as the basis for the initial (and largest) phase of encoding of Proto-Cuneiform.

The subsetting is based on the CDLI catalogue entries as of February 2025. It is possible that features of the CDLI data may mean that a few texts that should have been omitted are included in the PC25 corpus and vice versa. The impact of this on the final repertoire is negligible, however, because of the cross-checking between corpus and published sign lists.

PC25's subset of the PCSL corpus has the following composition divided by provenience, period, and published/unpublished status:

|       | V/pub | V/unp | V/all | IV/pub | IV/unp | IV/all | III/pub | III/unp | III/all |
|-------|-------|-------|-------|--------|--------|--------|---------|---------|---------|
| Uruk  | 58    | 0     | 58    | 1257   | 0      | 1257   | 1957    | 0       | 1957    |
| JN    | 2     | 0     | 2     | 0      | 0      | 0      | 234     | 0       | 234     |
| Umma  | 0     | 0     | 0     | 0      | 0      | 0      | 93      | 0       | 93      |
| Uqair | 0     | 0     | 0     | 0      | 0      | 0      | 42      | 0       | 42      |
| Misc  | 23    | 0     | 23    | 33     | 0      | 33     | 587     | 0       | 587     |
| total | 83    | 0     | 83    | 1290   | 0      | 1290   | 2913    | 0       | 2913    |

## 5.2 Signs

### 5.2.1 Grapheme Distribution

A general impression of the amount of graphemic data in the various subcorpora is given in the table below. In each case, the numbers are the count of distinct signs and the total number of instances of signs, with numerical signs and ideograms being given in separate rows.

### 5.2.2 PCSL Corpus Grapheme Distribution

|           | V/pub | V/unp | V/all | IV/pub   | IV/unp   | IV/all   | III/pub    | III/unp   | III/all    |
|-----------|-------|-------|-------|----------|----------|----------|------------|-----------|------------|
| Uruk/num  | 0/0   | 0/0   | 0/0   | 160/5278 | 91/1536  | 177/6814 | 188/12109  | 106/2481  | 197/14590  |
| Uruk/idg  | 0/0   | 0/0   | 0/0   | 826/6490 | 384/1580 | 918/8070 | 1000/19976 | 558/5807  | 1081/25783 |
| JN/num    | 0/0   | 0/0   | 0/0   | 0/0      | 0/0      | 0/0      | 138/2530   | 0/0       | 138/2530   |
| JN/idg    | 0/0   | 0/0   | 0/0   | 0/0      | 0/0      | 0/0      | 399/3790   | 0/0       | 399/3790   |
| Umma/num  | 0/0   | 0/0   | 0/0   | 0/0      | 0/0      | 0/0      | 121/1595   | 138/3918  | 167/5513   |
| Umma/idg  | 0/0   | 0/0   | 0/0   | 0/0      | 0/0      | 0/0      | 351/2181   | 541/7175  | 634/9356   |
| Uqair/num | 0/0   | 0/0   | 0/0   | 0/0      | 0/0      | 0/0      | 50/444     | 0/0       | 50/444     |
| Uqair/idg | 0/0   | 0/0   | 0/0   | 0/0      | 0/0      | 0/0      | 226/903    | 0/0       | 226/903    |
| Misc/num  | 0/0   | 0/0   | 0/0   | 31/70    | 30/160   | 46/230   | 168/5322   | 55/853    | 168/6175   |
| Misc/idg  | 0/0   | 0/0   | 0/0   | 44/70    | 96/212   | 115/282  | 630/7759   | 315/1493  | 715/9252   |
| total     | 0/0   | 0/0   | 0/0   | 162/5348 | 96/1696  | 182/7044 | 241/22000  | 163/7252  | 254/29252  |
| total     | 0/0   | 0/0   | 0/0   | 831/6560 | 421/1792 | 947/8352 | 1257/34609 | 838/14475 | 1453/49084 |



## 5.3 Lists

### 5.3.1 Historic Lists

The earliest list of Proto-Cuneiform signs is to be found in Stephen Langdon's *Pictographic Inscriptions from Jemdet Nasr* [Lan28], which contains a list accompanying the Jemdet Nasr tablets published by him in 1928. Less than ten years later, in 1936, Adam Falkenstein published the first list of signs from the archaic Uruk texts in ATU [Fal36]. Falkenstein referenced Langdon's list using the abbreviation PI.

### 5.3.2 The Intended Standard List

The Berlin Uruk project intended ATU2 [GN87], more commonly known as ZATU, to be the new standard list. Published in 1987, the work lists many different sign forms for most signs, dividing them into Uruk IV and Uruk III, and alphabetizing the entries by the mnemonic sign names used within the project. Entries in ZATU make some use of a division into alloforms labeled, e.g., a and b as in the case of AB, but use of these divisions is sporadic and the examples are subsumed under their head signs.

However, by the time the list had been prepared, the project team had already begun to doubt that the groupings of variant sign-forms were an adequate reflection of likely semantic distinctions reflected by the sign-forms, as mentioned by Bob Englund in that volume ([GN87, 327f.]).

### 5.3.3 Revisionist Lists

Between 1991 and 1996, in a series of publications appearing subsequent to ZATU, Englund provided sign lists specific to the sub-corpora edited in the volumes which essentially replace all previous lists.

The four lists and their coverage are:

**LLATU** [EN93]: Lexical lists from Uruk, but with some extraneous signs or forms from ED duplicates, replacing ZATU's coverage of lexical lists

**ATU5** [Eng94]: Administrative texts from Uruk, replacing ATU1 signlist and ZATU

**MSVO1** [EG91]: Administrative texts from Jemdet Nasr, replacing PI and ZATU

**MSVO4** [Eng96]: Administrative texts from various proveniences, replacing ZATU

The sign lists are based on exhaustive scholarly reassessments of individual portions of the PC corpus and make extensive use of the contrastive notations with subscript letters+numbers, e.g., AB<sub>a</sub> and AB<sub>b</sub>. At the same time, these lists gather non-contrastive sign variants under their respective parent signs and this is taken into account in PC25.

Englund's subsequent corpus-edition volumes ATU6 [EN94] and ATU7 [EN01], contain grapheme indices without images of the individual signs.

Monaco's CUSAS publications also contain grapheme images without individual sign images; they do, however, include lists of new signs and variants [Mon07, 15 and 281]; [Mon14, p. 166]; [Mon16, p. 203].

### 5.3.4 CDLI-gh

CDLI-gh [Eng23] is a working collection of signs. It is not 100% complete with respect to the PC corpus; includes some signs from ED duplicates of PC lexical texts; and includes a handful of signs which are either duplicates or are apparently place-holders from ongoing work on the Schoyen Umma texts that was never completed.

### 5.3.5 The Oracc List

The Oracc project PCSL [Tin24] provides a complete, corpus-based sign list comprising the CDLI texts from the Uruk V, Uruk IV, and Uruk III periods. PCSL was created in support of assessing previous proposals and eventually preparing the current proposal. It is based on CDLI-gh, and augments that collection with additional signs and glyphs from the published sign lists and the text corpus. PCSL gives distribution data for signs in the corpus, an overview of which signs occur in the other sign lists, and a proposed repertoire for encoding in Unicode. A succinct presentation of PCSL is included as Appendix A of the proposal.

### 5.3.6 Sign Lists and Prior PC Proposals

Prior PC proposals were centred on CDLI-gh, treating it as the definitive assemblage of PC signs at the same time as recognizing several important considerations:

The published sign list of Uruk Lexical Texts from ATU3 (LLATU) was also utilized as a partial control on CDLI-gh. However, three additional lists in a similar format to the LLATU lists were not used in prior proposals, leading to an inadequate understanding of previously published scholarship on the PC repertoire. Together with LLATU these three previously unutilized lists provide a comprehensive new presentation of the material covered in ZATU and need to be included as part of the foundational data of the PC proposal.

The four modern sign lists are an invaluable complement to CDLI-gh because they represent the carefully considered subset of signs which were vetted for publication whereas CDLI-gh is a working collection of signs. These sign lists make it clear that the unmarked variants in CDLI-gh are non-contrastive variants as opposed to the contrastive variants marked with subscript letter+number sequences.

### 5.3.7 Sign List Cautions

Sign lists have certain characteristics that can make them unsuitable for defining a character repertoire:

- Sign lists offer one perspective on a repertoire; they are not necessarily exhaustive catalogues of every sign in a corpus.
- Sign lists often have entries that are convenient for descriptive purposes, or for users, but which do not constitute a 1:1 correspondence with the Unicode approach to characters.
  - Entries may contain several signs under one heading—this is done in CDLI-gh when the several members given are considered non-contrastive.
  - Entries may combine sequences of signs if the sequence is common or interesting. Sometimes these sequences correspond to later cuneiform sign combinations which have known semantics in Sumero-Akkadian Cuneiform (SAC) despite the fact that there is no evidence that the PC sign shares those semantics or is even necessarily an antecedant of the SAC sign in anything but form and structure. Signs are also sometimes grouped into sequences when there is a suspected semantic basis for the grouping, even though the grouping might be considered phrasal rather than being a concatenation of components with specific semantics: examples include the combinations of N57 signs with ideograms where the notation may indicate the age of an animal or some other multiplicative relationship of the number and a commodity. Thus,  $|1(N57).AB_2|$  may mean “a one-year-old cow” and could equally well be notated as  $1(N57) AB_2$ —in fact, the corpus instances of such sequences often occur in both forms.
- Sign forms are abstractions; two-dimensional sketches of a three-dimensional writing system which tend to offer typical forms. This means that sign lists do not normally capture the full range of glyph-variation for any individual character; simply because a sign does not have unmarked variants in CDLI-gh doesn't mean such variants don't exist.

- Although most of character readings use sign names that recall SAC signs, Englund is clear that “until the language affinity of the archaic texts is established, these readings remain entirely conventional and often serve only mnemonic purposes, whereas the meaning of many signs is now quite clear” (ATU5 p.19).
- Importantly, Englund is explicit in the introduction that the reference forms of the signs (“graphemes” in Englund’s terminology) are only exemplary forms:

After each sign name a grapheme is presented which represents the general form of the sign on the tablets cited. This graphic must be understood as merely an orientation in understanding the form a particular sign could take, since in particular the texts from the earliest stage of writing exhibit, to varying degrees, a tolerance of graphemic variation. (ATU5 p.107)

## 5.4 Coverage

Although the strategically selected subset of the Uruk IV/III corpus is only two-thirds of the entire corpus in terms of manuscripts, the graphemic coverage provided by the combination of ACN and PC25 is very high.

Of the 6282 texts in the entire PCSL corpus, 156 contain unencoded signs, i.e., 97.64% of texts have no unencoded graphemes.

The total number of instances of graphemes that are included in the encoded repertoire is substantial: of 98054 instances of 2040 graphemes, only 239 instances of 170 graphemes are not encoded. 99.76% of instances of graphemes in PCSL are represented in the encodings either directly or as sequences.

## 6 Principles for Encoding Proto-Cuneiform

Each character that occurs in the PC25 subset of the PCSL corpus has been assessed according to the following principles in order to determine its encodability. Encoded signs are given in the following section; the condensed version of the Proto-Cuneiform Sign List, PCSL, is given Appendix A and contains essential information relating to the encodability of each sign. Appendix D lists all of the manuscripts that have unencoded signs and the signs which they are missing. Appendices E to I give tables of signs excluded from PC25 under one of the reasons for which they were excluded.

In addition to the comments above on the corpus, signiary, and sign lists, some additional issues influence the Principles.

### 6.1 (Non-)Contrastive Usage

Previous proposals treated the whole of CDLI-gh as a flat sample of sign forms and assigned codepoints to each form. The print resources which post-date ZATU as well as the digital resources, however, are highly consistent in listing and transliterating some variant sign forms as non-contrastive and this practice is followed in PC25: the grouping of sign forms under a sign name and the practice of transliterating variant sign forms with a single transliteration are both indicators of non-contrastive glyphs.

The scholarly assessment of when sign forms are non-contrastive is based on several kinds of evidence. There is often a historical dimension where Uruk IV (earlier) and Uruk III (later) forms are presumptively of the same sign: Uruk IV forms tend to have more curves and more complex shapes. For many signs, this analysis is assisted by duplicate manuscripts of word lists (“lexical texts”) that give the same text with variant sign forms. Elsewhere, commodity lists of phrasal constructs can give contextual information on the likelihood that two distinct forms actually belong to the same sign.

Transliteration practices in the CDLI corpus closely mirror the contrastive/non-contrastive distinction. For example, the SAG sign has several different glyph forms but is always transliterated SAG. Conversely, KUŠU<sub>2</sub> is a base name that has six different allographs, KUŠU<sub>2</sub>-a to KUŠU<sub>2</sub>-f: each of these allographs has instances in the corpus.

### 6.1.1 (Non-)Contrastive Usage in Complex and Compound Signs

The CDLI text corpus, CDLI-tc, and CDLI-gh do not always differentiate compound constituents to the same extent as the independent versions of the constituents. For example, KAR<sub>2</sub> is separated as KAR<sub>2</sub>-a and KAR<sub>2</sub>-b in CDLI-tc and CDLI-gh, but in the DARA<sub>3</sub>×KAR<sub>2</sub> compounds the only notations that occur are |DARA<sub>3</sub>-c×KAR<sub>2</sub>| and |DARA<sub>3</sub>-d×KAR<sub>2</sub>|. The encoding by default follows the CDLI notations in such cases.

## 6.2 Numbers

Most PC numbers have been included in [L2/24-210]. PC25 includes an additional four series of numbers or number-like signs. These were left for the PC proposal because they are not part of the basic systems of counting and metrology.

**N57 and N57@t** The horizontal tally marks used in a variety of contexts including animal ages in years; occasionally in number sequences such as 1(N34) 2(N14) 1(N57) [P003421].

In the PCSL table combinations of n(N57) with ideograms are collected at the end of the table so they can be conveniently compared.

**N58 and N58@t** The vertical tally marks, mostly used in compounds or sequences such as |1(N58).BAD| but also occasionally used in number sequences such as 1(N34) 4(N14) 1(N58) [P003434]

**LAGAB** The ideogram LAGAB-a occurs in stacks of up to 6(LAGAB-a) and are included in PC25. The sign 5(LAGAB-a) is unattested and is omitted because the function of these signs is not clear.

**U<sub>4</sub>** Temporal notations with U<sub>4</sub> “day” [Eng98, pp. 121–122] are included in PCSL in their natural sort locations after U<sub>4</sub>. Day notations of the form |U<sub>4</sub>.n(N08)| are treated as sequences; month notations of the form |U<sub>4</sub>×n(N01)| and year notations of the form |U<sub>4</sub>×n(N57)| are assigned codepoints in PC25.

## 6.3 Sequences

Sequences are a class of compound signs which exhibit a low degree of integration with each other. In later cuneiform they are written as a linear sequence in which the constituents and order may vary. In PC, they are written in linear form or as a cluster because PC accounts are laid out in various combinations of cases (or boxes). The identification of a group of signs as a discrete sequence can vary from one text editor to another, and from one sign list to another. As a result, sequences are a variable and open-ended category which are not suited to encoding as characters. If a sequence such as |MUŠEN.ŠE| were encoded as a character there would be two reasonable representations of the data: the character encoding, and the encoding as the sequence of constituents. Appendix J details exceptional sequences which are proposed for encoding. Appendix L outlines implementation details for sequences in PCSL and the accompanying font.

## 6.4 Principles

The following principles were applied in the development of the PC25 proposal’s repertoire:

1. Treat the PC corpus as the primary source of truth about the signiary and usage. Use the corpus as a control on the lists; use the published lists and corpus as a control on CDLI-gh.
2. Align names with CDLI-tc/CDLI-gh as much as possible to ensure that the encoding is closely aligned with existing scholarly practice. Make exceptions where required to correct names or to improve consistency of the naming scheme; if in doubt, retain the CDLI names.
3. Take contrastive usage into account to the extent supported by contemporary scholarship and do not encode non-contrastive sign variants under their own codepoints. The CDLI-tc corpus is the primary guide to non-contrastive usage: different sign forms which are transliterated the same are accepted as non-contrastive.

4. Accept that allograph notations in the corpus are contrastive.
5. Do not introduce finer-grained allograph notations than CDLI-tc/CDLI-gh is using. The decisions made in the corpus about whether sign variants are contrastive or not are made not only on the basis of form but also context of various kinds; specialists in the corpus should decide if further division is needed in the future.
6. Do not require a minimum number of occurrences for encoding: the corpus consists of mostly fragmentary manuscripts over 5000 years old—if a sign clearly exists and meets the other principles for encoding, it should be encoded.
7. Do not assume that every sign list entry should be encoded as a character.
8. Do not generally encode sequences. In Proto-Cuneiform writing sequences are not necessarily linear because the manuscripts are organized in cases (or boxes). Signs are routinely juxtaposed in clusters in which the components can be written above, below, or near each other as well as being beside each other in a line. The surface form of sequences can be variable in the ordering, selection, and disposition of components, all of which are treated as glyph variations and not as discrete characters.
9. Do not generally encode opaque sequences. In standard transliteration practice for Proto-Cuneiform some signs are given simple names which do not reflect their status as a sequence, e.g., LUGAL is actually a sequence of GAL and LU<sub>2</sub>, or LU<sub>2</sub> and GAL. We call these sequences “opaque sequences” and, like regular sequences, they are not encoded.
10. Do make exceptions to the sequences rule for the following reasons:
  - Reanalysis** Proto-Cuneiform signs that are originally integral units may be reanalyzed into separate constituents. Where this is demonstrably the case, the original character is encoded and the reanalyzed sequence is considered a glyph variant.
  - Container Equivalency** Some signs are allowed as exceptions because the juxtaposition of elements is the equivalent of a container (TIMES) relationship.
  - Unencoded Constituents** Some sequences contain constituents that are otherwise unattested; in this case the choice is either to encode a sign which may not be attested independently, or to encode the sequence. In general the option adopted is to encode the sequence as a character.
  - Analogy** Some sequences are part of a group and would naturally be considered by users of the encoding to be analogous to each other. Where one or more members of a group fulfils either of the previous conditions for encoding as a character, PC25 encodes the entire group as individual characters by analogy to avoid a possibly confusing mixture of encoded and unencoded group members.
11. Consider distribution of components when encoding complex (X×Y) versus compound (X.Y or Y.X); sometimes, especially for rare signs, it is not clear whether the juxtaposition of components is part of the sign structure or the distribution of individual elements on the manuscript. In such cases it is preferable to treat the signs as a sequence rather than a complex.
12. Do not separately encode signs which occur only as components of complex signs
13. Do not encode uncertain signs, especially those from unedited texts such as the Schoyen Umma material
14. Do not encode broken signs; include them in the PUA instead.
15. Do not encode numbers which are outside of normal ranges for a number type.

## 6.5 Advantages of the Revised Approach

There are several advantages to the revised approach to PC encoding:

- the encoding is better aligned with transliteration practice
- additional glyph variants can be added without impacting the encoding; encoding every glyph variant would open PC to arbitrary open-ended encoding of slight differences with little basis for distinguishing when a variant should be encoded and when not: adopting the position that scholarly annotation of glyph variance as contrastive is required for encoding would set reasonable boundaries on what can be encoded and what should not be.
- new sequences can be added without impacting the encoding; this is especially important for the productive types involving N57 and time notations involving U<sub>4</sub>.
- variant forms can be managed with font features rather than needing encoding.
- the approach is generally more robust in regard to future discoveries as a result of the above points; where absolutely necessary unifications/disunifications could be considered if they are clearly demonstrable improvements to the utility of the encoding.

## 6.6 Reference Glyphs

The introduction of 1:several relationships where an encoded character has multiple variants entails the need for a principled selection of reference glyphs.

In order to have some level of consistency it would be preferable to select either Uruk IV glyphs or Uruk III glyphs as the primary choice of reference glyphs. Because the corpus is predominantly Uruk III in date it makes sense to use Uruk III reference glyphs as far as possible.

PC25 reference glyphs are aligned where possible with Uruk III sign forms occurring in published texts originating from Uruk or Jemdet Nasr. The selection of the reference glyph is not necessarily an indication that the other sign forms in EASL do not occur in the same period or place. It means simply that the reference glyph has been confirmed to occur, where possible, in Uruk III Uruk/Jemdet Nasr.

For sequences with multiple forms, the reference form is always the simplest/closest to the sequence description, as long as that form occurs in the corpus. This means that by default the sign looks the way it is described, and ligatures, reorderings, or non-linear dispositions are always accessed by CVNN.

















































































































Note that the selection of a reference glyph does not imply that the form is normative—the corpus is restricted and sign form variation is considerable which means that even the concept of a normative form is inapplicable to many signs.

## 7 Proposal Documents

The reference data for the proposal is in ‘UnicodeData.txt’, attached to this PDF.

A special purpose code-chart font ‘pc25-cc.ttf’, is also attached to the proposal. See Appendix M for further details. Code charts and a character list are provided in the following pages for informational purposes only.

### 7.1 Code Charts

|   | 1269   | 126A   | 126B   | 126C   | 126D   | 126E   | 126F   |
|---|--|--|--|--|--|--|--|
| 0 | <br>12690   | <br>126A0   | <br>126B0   | <br>126C0   | <br>126D0   | <br>126E0   | <br>126F0   |
| 1 | <br>12691   | <br>126A1   | <br>126B1   | <br>126C1   | <br>126D1   | <br>126E1   | <br>126F1   |
| 2 | <br>12692   | <br>126A2   | <br>126B2   | <br>126C2   | <br>126D2   | <br>126E2   | <br>126F2   |
| 3 | <br>12693   | <br>126A3   | <br>126B3   | <br>126C3   | <br>126D3   | <br>126E3   | <br>126F3   |
| 4 | <br>12694   | <br>126A4   | <br>126B4   | <br>126C4   | <br>126D4   | <br>126E4   | <br>126F4   |
| 5 | <br>12695   | <br>126A5   | <br>126B5   | <br>126C5   | <br>126D5   | <br>126E5   | <br>126F5   |
| 6 | <br>12696   | <br>126A6   | <br>126B6   | <br>126C6   | <br>126D6   | <br>126E6   | <br>126F6   |
| 7 | <br>12697  | <br>126A7  | <br>126B7  | <br>126C7  | <br>126D7  | <br>126E7  | <br>126F7  |
| 8 | <br>12698 | <br>126A8 | <br>126B8 | <br>126C8 | <br>126D8 | <br>126E8 | <br>126F8 |
| 9 | <br>12699 | <br>126A9 | <br>126B9 | <br>126C9 | <br>126D9 | <br>126E9 | <br>126F9 |
| A | <br>1269A | <br>126AA | <br>126BA | <br>126CA | <br>126DA | <br>126EA | <br>126FA |
| B | <br>1269B | <br>126AB | <br>126BB | <br>126CB | <br>126DB | <br>126EB | <br>126FB |
| C | <br>1269C | <br>126AC | <br>126BC | <br>126CC | <br>126DC | <br>126EC | <br>126FC |
| D | <br>1269D | <br>126AD | <br>126BD | <br>126CD | <br>126DD | <br>126ED | <br>126FD |
| E | <br>1269E | <br>126AE | <br>126BE | <br>126CE | <br>126DE | <br>126EE | <br>126FE |
| F | <br>1269F | <br>126AF | <br>126BF | <br>126CF | <br>126DF | <br>126EF | <br>126FF |

|   | 1270  | 1271  | 1272  | 1273  | 1274  | 1275  | 1276  | 1277  | 1278  | 1279  | 127A  | 127B  | 127C  | 127D  | 127E  | 127F  |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0 | 12700 | 12710 | 12720 | 12730 | 12740 | 12750 | 12760 | 12770 | 12780 | 12790 | 127A0 | 127B0 | 127C0 | 127D0 | 127E0 | 127F0 |
| 1 | 12701 | 12711 | 12721 | 12731 | 12741 | 12751 | 12761 | 12771 | 12781 | 12791 | 127A1 | 127B1 | 127C1 | 127D1 | 127E1 | 127F1 |
| 2 | 12702 | 12712 | 12722 | 12732 | 12742 | 12752 | 12762 | 12772 | 12782 | 12792 | 127A2 | 127B2 | 127C2 | 127D2 | 127E2 | 127F2 |
| 3 | 12703 | 12713 | 12723 | 12733 | 12743 | 12753 | 12763 | 12773 | 12783 | 12793 | 127A3 | 127B3 | 127C3 | 127D3 | 127E3 | 127F3 |
| 4 | 12704 | 12714 | 12724 | 12734 | 12744 | 12754 | 12764 | 12774 | 12784 | 12794 | 127A4 | 127B4 | 127C4 | 127D4 | 127E4 | 127F4 |
| 5 | 12705 | 12715 | 12725 | 12735 | 12745 | 12755 | 12765 | 12775 | 12785 | 12795 | 127A5 | 127B5 | 127C5 | 127D5 | 127E5 | 127F5 |
| 6 | 12706 | 12716 | 12726 | 12736 | 12746 | 12756 | 12766 | 12776 | 12786 | 12796 | 127A6 | 127B6 | 127C6 | 127D6 | 127E6 | 127F6 |
| 7 | 12707 | 12717 | 12727 | 12737 | 12747 | 12757 | 12767 | 12777 | 12787 | 12797 | 127A7 | 127B7 | 127C7 | 127D7 | 127E7 | 127F7 |
| 8 | 12708 | 12718 | 12728 | 12738 | 12748 | 12758 | 12768 | 12778 | 12788 | 12798 | 127A8 | 127B8 | 127C8 | 127D8 | 127E8 | 127F8 |
| 9 | 12709 | 12719 | 12729 | 12739 | 12749 | 12759 | 12769 | 12779 | 12789 | 12799 | 127A9 | 127B9 | 127C9 | 127D9 | 127E9 | 127F9 |
| A | 1270A | 1271A | 1272A | 1273A | 1274A | 1275A | 1276A | 1277A | 1278A | 1279A | 127AA | 127BA | 127CA | 127DA | 127EA | 127FA |
| B | 1270B | 1271B | 1272B | 1273B | 1274B | 1275B | 1276B | 1277B | 1278B | 1279B | 127AB | 127BB | 127CB | 127DB | 127EB | 127FB |
| C | 1270C | 1271C | 1272C | 1273C | 1274C | 1275C | 1276C | 1277C | 1278C | 1279C | 127AC | 127BC | 127CC | 127DC | 127EC | 127FC |
| D | 1270D | 1271D | 1272D | 1273D | 1274D | 1275D | 1276D | 1277D | 1278D | 1279D | 127AD | 127BD | 127CD | 127DD | 127ED | 127FD |
| E | 1270E | 1271E | 1272E | 1273E | 1274E | 1275E | 1276E | 1277E | 1278E | 1279E | 127AE | 127BE | 127CE | 127DE | 127EE | 127FE |
| F | 1270F | 1271F | 1272F | 1273F | 1274F | 1275F | 1276F | 1277F | 1278F | 1279F | 127AF | 127BF | 127CF | 127DF | 127EF | 127FF |



|   | 1280  | 1281  | 1282  | 1283  | 1284  | 1285  | 1286  | 1287  | 1288  | 1289  | 128A  | 128B  | 128C  | 128D  | 128E  | 128F  |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0 | 12800 | 12810 | 12820 | 12830 | 12840 | 12850 | 12860 | 12870 | 12880 | 12890 | 128A0 | 128B0 | 128C0 | 128D0 | 128E0 | 128F0 |
| 1 | 12801 | 12811 | 12821 | 12831 | 12841 | 12851 | 12861 | 12871 | 12881 | 12891 | 128A1 | 128B1 | 128C1 | 128D1 | 128E1 | 128F1 |
| 2 | 12802 | 12812 | 12822 | 12832 | 12842 | 12852 | 12862 | 12872 | 12882 | 12892 | 128A2 | 128B2 | 128C2 | 128D2 | 128E2 | 128F2 |
| 3 | 12803 | 12813 | 12823 | 12833 | 12843 | 12853 | 12863 | 12873 | 12883 | 12893 | 128A3 | 128B3 | 128C3 | 128D3 | 128E3 | 128F3 |
| 4 | 12804 | 12814 | 12824 | 12834 | 12844 | 12854 | 12864 | 12874 | 12884 | 12894 | 128A4 | 128B4 | 128C4 | 128D4 | 128E4 | 128F4 |
| 5 | 12805 | 12815 | 12825 | 12835 | 12845 | 12855 | 12865 | 12875 | 12885 | 12895 | 128A5 | 128B5 | 128C5 | 128D5 | 128E5 | 128F5 |
| 6 | 12806 | 12816 | 12826 | 12836 | 12846 | 12856 | 12866 | 12876 | 12886 | 12896 | 128A6 | 128B6 | 128C6 | 128D6 | 128E6 | 128F6 |
| 7 | 12807 | 12817 | 12827 | 12837 | 12847 | 12857 | 12867 | 12877 | 12887 | 12897 | 128A7 | 128B7 | 128C7 | 128D7 | 128E7 | 128F7 |
| 8 | 12808 | 12818 | 12828 | 12838 | 12848 | 12858 | 12868 | 12878 | 12888 | 12898 | 128A8 | 128B8 | 128C8 | 128D8 | 128E8 | 128F8 |
| 9 | 12809 | 12819 | 12829 | 12839 | 12849 | 12859 | 12869 | 12879 | 12889 | 12899 | 128A9 | 128B9 | 128C9 | 128D9 | 128E9 | 128F9 |
| A | 1280A | 1281A | 1282A | 1283A | 1284A | 1285A | 1286A | 1287A | 1288A | 1289A | 128AA | 128BA | 128CA | 128DA | 128EA | 128FA |
| B | 1280B | 1281B | 1282B | 1283B | 1284B | 1285B | 1286B | 1287B | 1288B | 1289B | 128AB | 128BB | 128CB | 128DB | 128EB | 128FB |
| C | 1280C | 1281C | 1282C | 1283C | 1284C | 1285C | 1286C | 1287C | 1288C | 1289C | 128AC | 128BC | 128CC | 128DC | 128EC | 128FC |
| D | 1280D | 1281D | 1282D | 1283D | 1284D | 1285D | 1286D | 1287D | 1288D | 1289D | 128AD | 128BD | 128CD | 128DD | 128ED | 128FD |
| E | 1280E | 1281E | 1282E | 1283E | 1284E | 1285E | 1286E | 1287E | 1288E | 1289E | 128AE | 128BE | 128CE | 128DE | 128EE | 128FE |
| F | 1280F | 1281F | 1282F | 1283F | 1284F | 1285F | 1286F | 1287F | 1288F | 1289F | 128AF | 128BF | 128CF | 128DF | 128EF | 128FF |









































































|   | 1290 | 1291 | 1292 | 1293 | 1294 | 1295 | 1296 | 1297 | 1298 | 1299 | 129A | 129B | 129C | 129D | 129E | 129F |
|---|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| 0 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 1 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 2 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 3 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 4 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 5 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 6 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 7 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 8 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| 9 |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| A |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| B |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| C |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| D |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| E |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |
| F |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |      |

|   | 12A0  | 12A1  | 12A2  | 12A3  | 12A4  | 12A5  | 12A6  | 12A7  | 12A8  | 12A9  | 12AA   | 12AB   | 12AC   | 12AD   | 12AE   | 12AF   |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0 | 12A00 | 12A10 | 12A20 | 12A30 | 12A40 | 12A50 | 12A60 | 12A70 | 12A80 | 12A90 | 12AA0  | 12AB0  | 12AC0  | 12AD0  | 12AE0  | 12AF0  |
| 1 | 12A01 | 12A11 | 12A21 | 12A31 | 12A41 | 12A51 | 12A61 | 12A71 | 12A81 | 12A91 | 12AA1  | 12AB1  | 12AC1  | 12AD1  | 12AE1  | 12AF1  |
| 2 | 12A02 | 12A12 | 12A22 | 12A32 | 12A42 | 12A52 | 12A62 | 12A72 | 12A82 | 12A92 | 12AA2  | 12AB2  | 12AC2  | 12AD2  | 12AE2  | 12AF2  |
| 3 | 12A03 | 12A13 | 12A23 | 12A33 | 12A43 | 12A53 | 12A63 | 12A73 | 12A83 | 12A93 | 12AA3  | 12AB3  | 12AC3  | 12AD3  | 12AE3  | 12AF3  |
| 4 | 12A04 | 12A14 | 12A24 | 12A34 | 12A44 | 12A54 | 12A64 | 12A74 | 12A84 | 12A94 | 12AA4  | 12AB4  | 12AC4  | 12AD4  | 12AE4  | 12AF4  |
| 5 | 12A05 | 12A15 | 12A25 | 12A35 | 12A45 | 12A55 | 12A65 | 12A75 | 12A85 | 12A95 | 12AA5  | 12AB5  | 12AC5  | 12AD5  | 12AE5  | 12AF5  |
| 6 | 12A06 | 12A16 | 12A26 | 12A36 | 12A46 | 12A56 | 12A66 | 12A76 | 12A86 | 12A96 | 12AA6  | 12AB6  | 12AC6  | 12AD6  | 12AE6  | 12AF6  |
| 7 | 12A07 | 12A17 | 12A27 | 12A37 | 12A47 | 12A57 | 12A67 | 12A77 | 12A87 | 12A97 | 12AA7  | 12AB7  | 12AC7  | 12AD7  | 12AE7  | 12AF7  |
| 8 | 12A08 | 12A18 | 12A28 | 12A38 | 12A48 | 12A58 | 12A68 | 12A78 | 12A88 | 12A98 | 12AA8  | 12AB8  | 12AC8  | 12AD8  | 12AE8  | 12AF8  |
| 9 | 12A09 | 12A19 | 12A29 | 12A39 | 12A49 | 12A59 | 12A69 | 12A79 | 12A89 | 12A99 | 12AA9  | 12AB9  | 12AC9  | 12AD9  | 12AE9  | 12AF9  |
| A | 12A0A | 12A1A | 12A2A | 12A3A | 12A4A | 12A5A | 12A6A | 12A7A | 12A8A | 12A9A | 12AA A | 12AB A | 12AC A | 12AD A | 12AE A | 12AF A |
| B | 12A0B | 12A1B | 12A2B | 12A3B | 12A4B | 12A5B | 12A6B | 12A7B | 12A8B | 12A9B | 12AA B | 12AB B | 12AC B | 12AD B | 12AE B | 12AF B |
| C | 12A0C | 12A1C | 12A2C | 12A3C | 12A4C | 12A5C | 12A6C | 12A7C | 12A8C | 12A9C | 12AA C | 12AB C | 12AC C | 12AD C | 12AE C | 12AF C |
| D | 12A0D | 12A1D | 12A2D | 12A3D | 12A4D | 12A5D | 12A6D | 12A7D | 12A8D | 12A9D | 12AA D | 12AB D | 12AC D | 12AD D | 12AE D | 12AF D |
| E | 12A0E | 12A1E | 12A2E | 12A3E | 12A4E | 12A5E | 12A6E | 12A7E | 12A8E | 12A9E | 12AA E | 12AB E | 12AC E | 12AD E | 12AE E | 12AF E |
| F | 12A0F | 12A1F | 12A2F | 12A3F | 12A4F | 12A5F | 12A6F | 12A7F | 12A8F | 12A9F | 12AA F | 12AB F | 12AC F | 12AD F | 12AE F | 12AF F |

|   | 12B0  | 12B1  | 12B2  | 12B3  | 12B4  | 12B5  | 12B6  | 12B7  | 12B8  | 12B9  | 12BA   | 12BB   | 12BC   | 12BD   | 12BE   | 12BF   |
|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0 | 12B00 | 12B10 | 12B20 | 12B30 | 12B40 | 12B50 | 12B60 | 12B70 | 12B80 | 12B90 | 12BA0  | 12BB0  | 12BC0  | 12BD0  | 12BE0  | 12BF0  |
| 1 | 12B01 | 12B11 | 12B21 | 12B31 | 12B41 | 12B51 | 12B61 | 12B71 | 12B81 | 12B91 | 12BA1  | 12BB1  | 12BC1  | 12BD1  | 12BE1  | 12BF1  |
| 2 | 12B02 | 12B12 | 12B22 | 12B32 | 12B42 | 12B52 | 12B62 | 12B72 | 12B82 | 12B92 | 12BA2  | 12BB2  | 12BC2  | 12BD2  | 12BE2  | 12BF2  |
| 3 | 12B03 | 12B13 | 12B23 | 12B33 | 12B43 | 12B53 | 12B63 | 12B73 | 12B83 | 12B93 | 12BA3  | 12BB3  | 12BC3  | 12BD3  | 12BE3  | 12BF3  |
| 4 | 12B04 | 12B14 | 12B24 | 12B34 | 12B44 | 12B54 | 12B64 | 12B74 | 12B84 | 12B94 | 12BA4  | 12BB4  | 12BC4  | 12BD4  | 12BE4  | 12BF4  |
| 5 | 12B05 | 12B15 | 12B25 | 12B35 | 12B45 | 12B55 | 12B65 | 12B75 | 12B85 | 12B95 | 12BA5  | 12BB5  | 12BC5  | 12BD5  | 12BE5  | 12BF5  |
| 6 | 12B06 | 12B16 | 12B26 | 12B36 | 12B46 | 12B56 | 12B66 | 12B76 | 12B86 | 12B96 | 12BA6  | 12BB6  | 12BC6  | 12BD6  | 12BE6  | 12BF6  |
| 7 | 12B07 | 12B17 | 12B27 | 12B37 | 12B47 | 12B57 | 12B67 | 12B77 | 12B87 | 12B97 | 12BA7  | 12BB7  | 12BC7  | 12BD7  | 12BE7  | 12BF7  |
| 8 | 12B08 | 12B18 | 12B28 | 12B38 | 12B48 | 12B58 | 12B68 | 12B78 | 12B88 | 12B98 | 12BA8  | 12BB8  | 12BC8  | 12BD8  | 12BE8  | 12BF8  |
| 9 | 12B09 | 12B19 | 12B29 | 12B39 | 12B49 | 12B59 | 12B69 | 12B79 | 12B89 | 12B99 | 12BA9  | 12BB9  | 12BC9  | 12BD9  | 12BE9  | 12BF9  |
| A | 12B0A | 12B1A | 12B2A | 12B3A | 12B4A | 12B5A | 12B6A | 12B7A | 12B8A | 12B9A | 12BA A | 12BB A | 12BC A | 12BD A | 12BE A | 12BF A |
| B | 12B0B | 12B1B | 12B2B | 12B3B | 12B4B | 12B5B | 12B6B | 12B7B | 12B8B | 12B9B | 12BA B | 12BB B | 12BC B | 12BD B | 12BE B | 12BF B |
| C | 12B0C | 12B1C | 12B2C | 12B3C | 12B4C | 12B5C | 12B6C | 12B7C | 12B8C | 12B9C | 12BA C | 12BB C | 12BC C | 12BD C | 12BE C | 12BF C |
| D | 12B0D | 12B1D | 12B2D | 12B3D | 12B4D | 12B5D | 12B6D | 12B7D | 12B8D | 12B9D | 12BA D | 12BB D | 12BC D | 12BD D | 12BE D | 12BF D |
| E | 12B0E | 12B1E | 12B2E | 12B3E | 12B4E | 12B5E | 12B6E | 12B7E | 12B8E | 12B9E | 12BA E | 12BB E | 12BC E | 12BD E | 12BE E | 12BF E |
| F | 12B0F | 12B1F | 12B2F | 12B3F | 12B4F | 12B5F | 12B6F | 12B7F | 12B8F | 12B9F | 12BA F | 12BB F | 12BC F | 12BD F | 12BE F | 12BF F |

## 7.2 Character List

The character names follow the general approach used in prior Unicode cuneiform character naming. The terms JOINING and PLUS are used with distinct semantics: JOINING is used for ‘+’ in sign names; PLUS is used to indicate grouping of multiple characters within the same container (as in Sumero-Akkadian cuneiform Unicode names).

|       |   |  |       |   |                                       |
|-------|---|--|-------|---|---------------------------------------|
| 12690 |    | PROTO-CUNEIFORM SIGN A                           | 126B4 |    | PROTO-CUNEIFORM SIGN AMAR             |
| 12691 |    | PROTO-CUNEIFORM SIGN A TIMES EN-A                | 126B5 |    | PROTO-CUNEIFORM SIGN AMAR TIMES TAR-C |
| 12692 |    | PROTO-CUNEIFORM SIGN A TIMES SHUBUR              | 126B6 |    | PROTO-CUNEIFORM SIGN AMAR OVER AMAR   |
| 12693 |    | PROTO-CUNEIFORM SIGN A TIMES ZATU672             | 126B7 |    | PROTO-CUNEIFORM SIGN AN               |
| 12694 |    | PROTO-CUNEIFORM SIGN A TIMES ONE N14             | 126B8 |    | PROTO-CUNEIFORM SIGN ANSHE-A          |
| 12695 |    | PROTO-CUNEIFORM SIGN A2                          | 126B9 |    | PROTO-CUNEIFORM SIGN ANSHE-B          |
| 12696 |    | PROTO-CUNEIFORM SIGN AB-A                        | 126BA |    | PROTO-CUNEIFORM SIGN ANSHE-C          |
| 12697 |    | PROTO-CUNEIFORM SIGN AB-A TIMES A TENU           | 126BB |    | PROTO-CUNEIFORM SIGN ANSHE-E          |
| 12698 |    | PROTO-CUNEIFORM SIGN AB-A TIMES ASH2             | 126BC |    | PROTO-CUNEIFORM SIGN ANSHE-F          |
| 12699 |    | PROTO-CUNEIFORM SIGN AB-A TIMES SHE-A OVER SHE-A | 126BD |    | PROTO-CUNEIFORM SIGN APIN-A           |
| 1269A |    | PROTO-CUNEIFORM SIGN AB-A TIMES ZATU659          | 126BE |    | PROTO-CUNEIFORM SIGN APIN-B           |
| 1269B |    | PROTO-CUNEIFORM SIGN AB-A TIMES ONE N04          | 126BF |    | PROTO-CUNEIFORM SIGN APIN-C           |
| 1269C |    | PROTO-CUNEIFORM SIGN AB-A GUNU                   | 126C0 |    | PROTO-CUNEIFORM SIGN ARARMA2-A        |
| 1269D |    | PROTO-CUNEIFORM SIGN AB-B                        | 126C1 |    | PROTO-CUNEIFORM SIGN ASAR             |
| 1269E |    | PROTO-CUNEIFORM SIGN AB2                         | 126C2 |    | PROTO-CUNEIFORM SIGN AZ               |
| 1269F |  | PROTO-CUNEIFORM SIGN AB2 TIMES TWO N14           | 126C3 |  | PROTO-CUNEIFORM SIGN AZU              |
| 126A0 |  | PROTO-CUNEIFORM SIGN ABZU                        | 126C4 |  | PROTO-CUNEIFORM SIGN BA               |
| 126A1 |  | PROTO-CUNEIFORM SIGN AD-A                        | 126C5 |  | PROTO-CUNEIFORM SIGN BAD              |
| 126A2 |  | PROTO-CUNEIFORM SIGN AD-B                        | 126C6 |  | PROTO-CUNEIFORM SIGN BAD OVER BAD     |
| 126A3 |  | PROTO-CUNEIFORM SIGN AD-C                        | 126C7 |  | PROTO-CUNEIFORM SIGN BAD3-A           |
| 126A4 |  | PROTO-CUNEIFORM SIGN ADAB                        | 126C8 |  | PROTO-CUNEIFORM SIGN BAD3-B1          |
| 126A5 |  | PROTO-CUNEIFORM SIGN ADDA                        | 126C9 |  | PROTO-CUNEIFORM SIGN BAD3-B2          |
| 126A6 |  | PROTO-CUNEIFORM SIGN AGAR2                       | 126CA |  | PROTO-CUNEIFORM SIGN BAHAR2-A         |
| 126A7 |  | PROTO-CUNEIFORM SIGN AK-A                        | 126CB |  | PROTO-CUNEIFORM SIGN BAHAR2-B         |
| 126A8 |  | PROTO-CUNEIFORM SIGN AK-B                        | 126CC |  | PROTO-CUNEIFORM SIGN BAHAR2-C         |
| 126A9 |  | PROTO-CUNEIFORM SIGN AL                          | 126CD |  | PROTO-CUNEIFORM SIGN BALA-A           |
| 126AA |  | PROTO-CUNEIFORM SIGN ALAN-A                      | 126CE |  | PROTO-CUNEIFORM SIGN BALA-B           |
| 126AB |  | PROTO-CUNEIFORM SIGN ALAN-B                      | 126CF |  | PROTO-CUNEIFORM SIGN BALAG            |
| 126AC |  | PROTO-CUNEIFORM SIGN ALAN-C                      | 126D0 |  | PROTO-CUNEIFORM SIGN BAN-A            |
| 126AD |  | PROTO-CUNEIFORM SIGN ALAN-E                      | 126D1 |  | PROTO-CUNEIFORM SIGN BAN-B            |
| 126AE |  | PROTO-CUNEIFORM SIGN ALIM                        | 126D2 |  | PROTO-CUNEIFORM SIGN BANSHUR-A        |
| 126AF |  | PROTO-CUNEIFORM SIGN AM-A                        | 126D3 |  | PROTO-CUNEIFORM SIGN BANSHUR-A TENU   |
| 126B0 |  | PROTO-CUNEIFORM SIGN AM-B                        | 126D4 |  | PROTO-CUNEIFORM SIGN BANSHUR-B1       |
| 126B1 |  | PROTO-CUNEIFORM SIGN AMA-A                       | 126D5 |  | PROTO-CUNEIFORM SIGN BANSHUR-B2       |
| 126B2 |  | PROTO-CUNEIFORM SIGN AMA-A TIMES E2-A            | 126D6 |  | PROTO-CUNEIFORM SIGN BANSHUR-C        |
| 126B3 |  | PROTO-CUNEIFORM SIGN AMA-B                       | 126D7 |  | PROTO-CUNEIFORM SIGN BAPPPIR-A        |

|       |  |   |       |  |  |
|-------|--|---|-------|--|--|
| 126D8 |  | PROTO-CUNEIFORM SIGN BAPPIR-B                         | 12700 |  | PROTO-CUNEIFORM SIGN DAR-C                         |
| 126D9 |  | PROTO-CUNEIFORM SIGN BAPPIR-C                         | 12701 |  | PROTO-CUNEIFORM SIGN DARA3-A                       |
| 126DA |  | PROTO-CUNEIFORM SIGN BAPPIR-D                         | 12702 |  | PROTO-CUNEIFORM SIGN DARA3-B                       |
| 126DB |  | PROTO-CUNEIFORM SIGN BAPPIR-E                         | 12703 |  | PROTO-CUNEIFORM SIGN DARA3-C                       |
| 126DC |  | PROTO-CUNEIFORM SIGN BAPPIR-F                         | 12704 |  | PROTO-CUNEIFORM SIGN DARA3-C TIMES KAR2            |
| 126DD |  | PROTO-CUNEIFORM SIGN BAR                              | 12705 |  | PROTO-CUNEIFORM SIGN DARA3-C TIMES KAR2 PLUS SHE-A |
| 126DE |  | PROTO-CUNEIFORM SIGN BARA2-A                          | 12706 |  | PROTO-CUNEIFORM SIGN DARA3-D                       |
| 126DF |  | PROTO-CUNEIFORM SIGN BARA2-B                          | 12707 |  | PROTO-CUNEIFORM SIGN DARA3-D TIMES KAR2 PLUS SHE-A |
| 126E0 |  | PROTO-CUNEIFORM SIGN BARA3                            | 12708 |  | PROTO-CUNEIFORM SIGN DARA3-D TIMES KAR2-B          |
| 126E1 |  | PROTO-CUNEIFORM SIGN BIR-A                            | 12709 |  | PROTO-CUNEIFORM SIGN DARA4-A1                      |
| 126E2 |  | PROTO-CUNEIFORM SIGN BIR-B                            | 1270A |  | PROTO-CUNEIFORM SIGN DARA4-A2                      |
| 126E3 |  | PROTO-CUNEIFORM SIGN BIR-C                            | 1270B |  | PROTO-CUNEIFORM SIGN DARA4-A3                      |
| 126E4 |  | PROTO-CUNEIFORM SIGN BIR3-A                           | 1270C |  | PROTO-CUNEIFORM SIGN DARA4-B                       |
| 126E5 |  | PROTO-CUNEIFORM SIGN BIR3-B                           | 1270D |  | PROTO-CUNEIFORM SIGN DARA4-C                       |
| 126E6 |  | PROTO-CUNEIFORM SIGN BIR3-C                           | 1270E |  | PROTO-CUNEIFORM SIGN DARA4-C1                      |
| 126E7 |  | PROTO-CUNEIFORM SIGN BU-A                             | 1270F |  | PROTO-CUNEIFORM SIGN DARA4-C2                      |
| 126E8 |  | PROTO-CUNEIFORM SIGN BU-A JOINING DU6-A               | 12710 |  | PROTO-CUNEIFORM SIGN DARA4-C3                      |
| 126E9 |  | PROTO-CUNEIFORM SIGN BU-A JOINING KI                  | 12711 |  | PROTO-CUNEIFORM SIGN DARA4-C4                      |
| 126EA |  | PROTO-CUNEIFORM SIGN BU-A TIMES A                     | 12712 |  | PROTO-CUNEIFORM SIGN DARA4-C5                      |
| 126EB |  | PROTO-CUNEIFORM SIGN BU-A OVER BU-A NA2-A             | 12713 |  | PROTO-CUNEIFORM SIGN DARA4-D                       |
| 126EC |  | PROTO-CUNEIFORM SIGN BU-A CROSSING BU-A NA2-A NUTILLU | 12714 |  | PROTO-CUNEIFORM SIGN DI                            |
| 126ED |  | PROTO-CUNEIFORM SIGN BU-B                             | 12715 |  | PROTO-CUNEIFORM SIGN DI TENU                       |
| 126EE |  | PROTO-CUNEIFORM SIGN BU3                              | 12716 |  | PROTO-CUNEIFORM SIGN DIB                           |
| 126EF |  | PROTO-CUNEIFORM SIGN BULUG                            | 12717 |  | PROTO-CUNEIFORM SIGN DILMUN                        |
| 126F0 |  | PROTO-CUNEIFORM SIGN BULUG3                           | 12718 |  | PROTO-CUNEIFORM SIGN DIM-A                         |
| 126F1 |  | PROTO-CUNEIFORM SIGN BUR-A                            | 12719 |  | PROTO-CUNEIFORM SIGN DIM-B                         |
| 126F2 |  | PROTO-CUNEIFORM SIGN BUR-B                            | 1271A |  | PROTO-CUNEIFORM SIGN DIM-C                         |
| 126F3 |  | PROTO-CUNEIFORM SIGN BUR-C                            | 1271B |  | PROTO-CUNEIFORM SIGN DIN                           |
| 126F4 |  | PROTO-CUNEIFORM SIGN BUR-D                            | 1271C |  | PROTO-CUNEIFORM SIGN DIN TIMES ONE N58             |
| 126F5 |  | PROTO-CUNEIFORM SIGN BUR2                             | 1271D |  | PROTO-CUNEIFORM SIGN DIN TENU                      |
| 126F6 |  | PROTO-CUNEIFORM SIGN DA-A                             | 1271E |  | PROTO-CUNEIFORM SIGN DU                            |
| 126F7 |  | PROTO-CUNEIFORM SIGN DA-B                             | 1271F |  | PROTO-CUNEIFORM SIGN DU TIMES ONE N58 TENU         |
| 126F8 |  | PROTO-CUNEIFORM SIGN DA-C                             | 12720 |  | PROTO-CUNEIFORM SIGN DU GUNU                       |
| 126F9 |  | PROTO-CUNEIFORM SIGN DA-D                             | 12721 |  | PROTO-CUNEIFORM SIGN DU6-A                         |
| 126FA |  | PROTO-CUNEIFORM SIGN DAH                              | 12722 |  | PROTO-CUNEIFORM SIGN DU6-A TIMES ONE N58           |
| 126FB |  | PROTO-CUNEIFORM SIGN DAM                              | 12723 |  | PROTO-CUNEIFORM SIGN DU6-B                         |
| 126FC |  | PROTO-CUNEIFORM SIGN DANNA                            | 12724 |  | PROTO-CUNEIFORM SIGN DU6-C                         |
| 126FD |  | PROTO-CUNEIFORM SIGN DAR-A                            | 12725 |  | PROTO-CUNEIFORM SIGN DU7                           |
| 126FE |  | PROTO-CUNEIFORM SIGN DAR-A TIMES A                    | 12726 |  | PROTO-CUNEIFORM SIGN DU8-A                         |
| 126FF |  | PROTO-CUNEIFORM SIGN DAR-B                            | 12727 |  | PROTO-CUNEIFORM SIGN DU8-B                         |
|       |  |   | 12728 |  | PROTO-CUNEIFORM SIGN DU8-C                         |

|       |  |   |       |  |   |
|-------|--|---|-------|--|---|
| 12729 |  | PROTO-CUNEIFORM SIGN DU8-C TIMES AB2                    | 12750 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES KU6-A              |
| 1272A |  | PROTO-CUNEIFORM SIGN DU8-C TIMES AMAR                   | 12751 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES KUR-A              |
| 1272B |  | PROTO-CUNEIFORM SIGN DU8-C TIMES HI                     | 12752 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES KUR-B              |
| 1272C |  | PROTO-CUNEIFORM SIGN DU8-C TIMES UDU-A                  | 12753 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES KUR GUNU-A         |
| 1272D |  | PROTO-CUNEIFORM SIGN DU8-C GUNU                         | 12754 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES LAM-A              |
| 1272E |  | PROTO-CUNEIFORM SIGN DUB-A                              | 12755 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES MASH               |
| 1272F |  | PROTO-CUNEIFORM SIGN DUB-B                              | 12756 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES NAGA-A             |
| 12730 |  | PROTO-CUNEIFORM SIGN DUB-C                              | 12757 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES NAM2               |
| 12731 |  | PROTO-CUNEIFORM SIGN DUB-D                              | 12758 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES SA-A               |
| 12732 |  | PROTO-CUNEIFORM SIGN DUB-E                              | 12759 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES SA-A PLUS GI       |
| 12733 |  | PROTO-CUNEIFORM SIGN DUB-F                              | 1275A |  | PROTO-CUNEIFORM SIGN DUG-B TIMES SI4-A              |
| 12734 |  | PROTO-CUNEIFORM SIGN DUB-H                              | 1275B |  | PROTO-CUNEIFORM SIGN DUG-B TIMES SIG2-A1            |
| 12735 |  | PROTO-CUNEIFORM SIGN DUB NUTILLU-A TIMES ONE N58 FORM A | 1275C |  | PROTO-CUNEIFORM SIGN DUG-B TIMES SIG2-A2            |
| 12736 |  | PROTO-CUNEIFORM SIGN DUB NUTILLU-A TIMES ONE N58 FORM B | 1275D |  | PROTO-CUNEIFORM SIGN DUG-B TIMES SIG7               |
| 12737 |  | PROTO-CUNEIFORM SIGN DUB NUTILLU-B TIMES ONE N58-A      | 1275E |  | PROTO-CUNEIFORM SIGN DUG-B TIMES SUHUR              |
| 12738 |  | PROTO-CUNEIFORM SIGN DUB2                               | 1275F |  | PROTO-CUNEIFORM SIGN DUG-B TIMES SHAH2-A            |
| 12739 |  | PROTO-CUNEIFORM SIGN DUG-A                              | 12760 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES SHE-A              |
| 1273A |  | PROTO-CUNEIFORM SIGN DUG-A TIMES KU6-A                  | 12761 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES SHE-A PLUS NAM2    |
| 1273B |  | PROTO-CUNEIFORM SIGN DUG-A TIMES NAGA-A                 | 12762 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES TAK4-A             |
| 1273C |  | PROTO-CUNEIFORM SIGN DUG-A TIMES U2-A                   | 12763 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES TAK4-A PLUS SA-A   |
| 1273D |  | PROTO-CUNEIFORM SIGN DUG-A TIMES U2-B                   | 12764 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES TAK4-A PLUS SAL    |
| 1273E |  | PROTO-CUNEIFORM SIGN DUG-A TIMES ONE N57                | 12765 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES TI                 |
| 1273F |  | PROTO-CUNEIFORM SIGN DUG-B                              | 12766 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES U2-A               |
| 12740 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES AB2                    | 12767 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES U2-B               |
| 12741 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES ANSHE-B                | 12768 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES UDU-A TIMES TAR-B  |
| 12742 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES ANSHE-D                | 12769 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES UH3-A              |
| 12743 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES BALA-A                 | 1276A |  | PROTO-CUNEIFORM SIGN DUG-B TIMES UH3-A TENU         |
| 12744 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES BIR3-C                 | 1276B |  | PROTO-CUNEIFORM SIGN DUG-B TIMES ZATU764            |
| 12745 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES DIN                    | 1276C |  | PROTO-CUNEIFORM SIGN DUG-B TIMES ZATU779            |
| 12746 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES DIN REVERSED           | 1276D |  | PROTO-CUNEIFORM SIGN DUG-B TIMES ZATU780            |
| 12747 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES GA-A                   | 1276E |  | PROTO-CUNEIFORM SIGN DUG-B TIMES ZATU781            |
| 12748 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES GA-B                   | 1276F |  | PROTO-CUNEIFORM SIGN DUG-B TIMES ZATU789 PLUS SA-A  |
| 12749 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES GESHTU-A               | 12770 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES ONE N57            |
| 1274A |  | PROTO-CUNEIFORM SIGN DUG-B TIMES GESHTU-B               | 12771 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES ONE N57 PLUS KU3-A |
| 1274B |  | PROTO-CUNEIFORM SIGN DUG-B TIMES GI6                    | 12772 |  | PROTO-CUNEIFORM SIGN DUG-B TIMES ONE N58            |
| 1274C |  | PROTO-CUNEIFORM SIGN DUG-B TIMES GISH                   | 12773 |  | PROTO-CUNEIFORM SIGN DUG-B OVER DUG-B TIMES ONE N58 |
| 1274D |  | PROTO-CUNEIFORM SIGN DUG-B TIMES HI                     | 12774 |  | PROTO-CUNEIFORM SIGN DUG-C                          |
| 1274E |  | PROTO-CUNEIFORM SIGN DUG-B TIMES HI GUNU-A              | 12775 |  | PROTO-CUNEIFORM SIGN DUG-C TIMES ONE N57            |
| 1274F |  | PROTO-CUNEIFORM SIGN DUG-B TIMES KASKAL                 | 12776 |  | PROTO-CUNEIFORM SIGN DUG-C TENU                     |

|       |  |  |       |  |   |
|-------|--|--|-------|--|---|
| 12777 |  | PROTO-CUNEIFORM SIGN DUG-D                                 | 1279D |  | PROTO-CUNEIFORM SIGN EZEN-A TIMES RAD-A               |
| 12778 |  | PROTO-CUNEIFORM SIGN DUGUD                                 | 1279E |  | PROTO-CUNEIFORM SIGN EZEN-A TIMES SU-A                |
| 12779 |  | PROTO-CUNEIFORM SIGN DUR-A                                 | 1279F |  | PROTO-CUNEIFORM SIGN EZEN-A TIMES U2-B PLUS A         |
| 1277A |  | PROTO-CUNEIFORM SIGN DUR-B                                 | 127A0 |  | PROTO-CUNEIFORM SIGN EZEN-A TIMES U4                  |
| 1277B |  | PROTO-CUNEIFORM SIGN DUR2                                  | 127A1 |  | PROTO-CUNEIFORM SIGN EZEN-B                           |
| 1277C |  | PROTO-CUNEIFORM SIGN E-A                                   | 127A2 |  | PROTO-CUNEIFORM SIGN EZEN-B TIMES SHE-A TENU          |
| 1277D |  | PROTO-CUNEIFORM SIGN E-B                                   | 127A3 |  | PROTO-CUNEIFORM SIGN EZEN-B TIMES SIX N57             |
| 1277E |  | PROTO-CUNEIFORM SIGN E-C                                   | 127A4 |  | PROTO-CUNEIFORM SIGN EZEN-B TENU                      |
| 1277F |  | PROTO-CUNEIFORM SIGN E2-A                                  | 127A5 |  | PROTO-CUNEIFORM SIGN EZINU-A                          |
| 12780 |  | PROTO-CUNEIFORM SIGN E2-A TIMES ONE N58 TENU               | 127A6 |  | PROTO-CUNEIFORM SIGN EZINU-B                          |
| 12781 |  | PROTO-CUNEIFORM SIGN E2-B                                  | 127A7 |  | PROTO-CUNEIFORM SIGN EZINU-C                          |
| 12782 |  | PROTO-CUNEIFORM SIGN E2-B TIMES ONE N58 TENU               | 127A8 |  | PROTO-CUNEIFORM SIGN EZINU-D                          |
| 12783 |  | PROTO-CUNEIFORM SIGN E2-C                                  | 127A9 |  | PROTO-CUNEIFORM SIGN GA-A                             |
| 12784 |  | PROTO-CUNEIFORM SIGN E2-D                                  | 127AA |  | PROTO-CUNEIFORM SIGN GA-B                             |
| 12785 |  | PROTO-CUNEIFORM SIGN E3-B                                  | 127AB |  | PROTO-CUNEIFORM SIGN GA-C                             |
| 12786 |  | PROTO-CUNEIFORM SIGN EDIN                                  | 127AC |  | PROTO-CUNEIFORM SIGN GA-C TIMES KASKAL                |
| 12787 |  | PROTO-CUNEIFORM SIGN EN-A                                  | 127AD |  | PROTO-CUNEIFORM SIGN GA-C TIMES ONE N14               |
| 12788 |  | PROTO-CUNEIFORM SIGN EN-B                                  | 127AE |  | PROTO-CUNEIFORM SIGN GA2-A1                           |
| 12789 |  | PROTO-CUNEIFORM SIGN EN-B TENU                             | 127AF |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES A                   |
| 1278A |  | PROTO-CUNEIFORM SIGN EN-C                                  | 127B0 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES E2-A                |
| 1278B |  | PROTO-CUNEIFORM SIGN EN GUNU-A                             | 127B1 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES EN-B                |
| 1278C |  | PROTO-CUNEIFORM SIGN EN GUNU-B                             | 127B2 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES GESHTU-A            |
| 1278D |  | PROTO-CUNEIFORM SIGN EN2                                   | 127B3 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES GESHTU-C3           |
| 1278E |  | PROTO-CUNEIFORM SIGN ERIM-A                                | 127B4 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES GESHTU-C5           |
| 1278F |  | PROTO-CUNEIFORM SIGN ERIM-B1                               | 127B5 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES GIR-A               |
| 12790 |  | PROTO-CUNEIFORM SIGN ERIM-B2                               | 127B6 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES GIR-A PLUS KU6-A    |
| 12791 |  | PROTO-CUNEIFORM SIGN ERIN                                  | 127B7 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES GISH TENU           |
| 12792 |  | PROTO-CUNEIFORM SIGN ESHDA                                 | 127B8 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES HAL                 |
| 12793 |  | PROTO-CUNEIFORM SIGN ESHDA TIMES TAR-A                     | 127B9 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES HI                  |
| 12794 |  | PROTO-CUNEIFORM SIGN ESHGAR                                | 127BA |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES KU3-A               |
| 12795 |  | PROTO-CUNEIFORM SIGN EZEN-A                                | 127BB |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES KU6-A               |
| 12796 |  | PROTO-CUNEIFORM SIGN EZEN-A TIMES EN-B                     | 127BC |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES KU6-A JOINING KU6-A |
| 12797 |  | PROTO-CUNEIFORM SIGN EZEN-A TIMES HI TIMES ONE N57 PLUS AN | 127BD |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES LAGAB-B             |
| 12798 |  | PROTO-CUNEIFORM SIGN EZEN-A TIMES KAB                      | 127BE |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES MASH                |
| 12799 |  | PROTO-CUNEIFORM SIGN EZEN-A TIMES KASH-B                   | 127BF |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES PAD-B               |
| 1279A |  | PROTO-CUNEIFORM SIGN EZEN-A TIMES KI                       | 127C0 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES PAP-A               |
| 1279B |  | PROTO-CUNEIFORM SIGN EZEN-A TIMES NIM-B2                   | 127C1 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES SU-A                |
| 1279C |  | PROTO-CUNEIFORM SIGN EZEN-A TIMES NIMGIR                   | 127C2 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES SUHUR               |
|       |  |  | 127C3 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES SUKUD               |



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| 127C4 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES SUMASH        | 127EC |  | PROTO-CUNEIFORM SIGN GAN-C TIMES FOUR N57 PLUS GAR |
| 127C5 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES SHA           | 127ED |  | PROTO-CUNEIFORM SIGN GAN-D TIMES GESHTU-A          |
| 127C6 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES TI            | 127EE |  | PROTO-CUNEIFORM SIGN GAN2                          |
| 127C7 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES U4            | 127EF |  | PROTO-CUNEIFORM SIGN GAR                           |
| 127C8 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES ONE N14       | 127F0 |  | PROTO-CUNEIFORM SIGN GAR GUNU-A                    |
| 127C9 |  | PROTO-CUNEIFORM SIGN GA2-A1 TIMES ONE N57       | 127F1 |  | PROTO-CUNEIFORM SIGN GAR GUNU-B                    |
| 127CA |  | PROTO-CUNEIFORM SIGN GA2-A2                     | 127F2 |  | PROTO-CUNEIFORM SIGN GAR GUNU-C                    |
| 127CB |  | PROTO-CUNEIFORM SIGN GA2-A2 TIMES GU4           | 127F3 |  | PROTO-CUNEIFORM SIGN GAR3                          |
| 127CC |  | PROTO-CUNEIFORM SIGN GA2-A2 TIMES NI-A          | 127F4 |  | PROTO-CUNEIFORM SIGN GARA2-A                       |
| 127CD |  | PROTO-CUNEIFORM SIGN GA2-A2 TIMES SUHUR         | 127F5 |  | PROTO-CUNEIFORM SIGN GAZI                          |
| 127CE |  | PROTO-CUNEIFORM SIGN GA2-A2 TIMES SHE3          | 127F6 |  | PROTO-CUNEIFORM SIGN GESHTIN-A                     |
| 127CF |  | PROTO-CUNEIFORM SIGN GA2-A2 TIMES SHE3 PLUS GU4 | 127F7 |  | PROTO-CUNEIFORM SIGN GESHTIN-D                     |
| 127D0 |  | PROTO-CUNEIFORM SIGN GA2-A3                     | 127F8 |  | PROTO-CUNEIFORM SIGN GESHTIN-E                     |
| 127D1 |  | PROTO-CUNEIFORM SIGN GA2-A4                     | 127F9 |  | PROTO-CUNEIFORM SIGN GESHTU-A                      |
| 127D2 |  | PROTO-CUNEIFORM SIGN GA2-B                      | 127FA |  | PROTO-CUNEIFORM SIGN GESHTU-A TIMES SHE-A TENU     |
| 127D3 |  | PROTO-CUNEIFORM SIGN GA2-B TIMES DUB-A          | 127FB |  | PROTO-CUNEIFORM SIGN GESHTU-B                      |
| 127D4 |  | PROTO-CUNEIFORM SIGN GA2-B TIMES DUB-B          | 127FC |  | PROTO-CUNEIFORM SIGN GESHTU-C3                     |
| 127D5 |  | PROTO-CUNEIFORM SIGN GA2-B TIMES KU6-A          | 127FD |  | PROTO-CUNEIFORM SIGN GESHTU-C5                     |
| 127D6 |  | PROTO-CUNEIFORM SIGN GA2-B TIMES ZATU659        | 127FE |  | PROTO-CUNEIFORM SIGN GI                            |
| 127D7 |  | PROTO-CUNEIFORM SIGN GA2-C                      | 127FF |  | PROTO-CUNEIFORM SIGN GI TIMES A                    |
| 127D8 |  | PROTO-CUNEIFORM SIGN GAAR-A1                    | 12800 |  | PROTO-CUNEIFORM SIGN GI TIMES GISH TENU            |
| 127D9 |  | PROTO-CUNEIFORM SIGN GAAR-A2                    | 12801 |  | PROTO-CUNEIFORM SIGN GI TIMES KU-B1                |
| 127DA |  | PROTO-CUNEIFORM SIGN GAAR-B1                    | 12802 |  | PROTO-CUNEIFORM SIGN GI TIMES LAGAB-A              |
| 127DB |  | PROTO-CUNEIFORM SIGN GAAR-B2                    | 12803 |  | PROTO-CUNEIFORM SIGN GI TIMES NAM2                 |
| 127DC |  | PROTO-CUNEIFORM SIGN GADA-A                     | 12804 |  | PROTO-CUNEIFORM SIGN GI TIMES SIG2-D1              |
| 127DD |  | PROTO-CUNEIFORM SIGN GADA-B GUNU                | 12805 |  | PROTO-CUNEIFORM SIGN GI TIMES SHE3                 |
| 127DE |  | PROTO-CUNEIFORM SIGN GAL-A                      | 12806 |  | PROTO-CUNEIFORM SIGN GI TIMES ONE N14              |
| 127DF |  | PROTO-CUNEIFORM SIGN GAL-B                      | 12807 |  | PROTO-CUNEIFORM SIGN GI TIMES ONE N58 TENU         |
| 127E0 |  | PROTO-CUNEIFORM SIGN GALGA-A                    | 12808 |  | PROTO-CUNEIFORM SIGN GI OVER GI                    |
| 127E1 |  | PROTO-CUNEIFORM SIGN GAN-A                      | 12809 |  | PROTO-CUNEIFORM SIGN GI OVER GI TIMES GISH TENU    |
| 127E2 |  | PROTO-CUNEIFORM SIGN GAN-B                      | 1280A |  | PROTO-CUNEIFORM SIGN GI OVER GI OVER GI            |
| 127E3 |  | PROTO-CUNEIFORM SIGN GAN-C                      | 1280B |  | PROTO-CUNEIFORM SIGN GI TENU                       |
| 127E4 |  | PROTO-CUNEIFORM SIGN GAN-C TIMES DIN            | 1280C |  | PROTO-CUNEIFORM SIGN GI4-A                         |
| 127E5 |  | PROTO-CUNEIFORM SIGN GAN-C TIMES HI             | 1280D |  | PROTO-CUNEIFORM SIGN GI4-A TIMES A                 |
| 127E6 |  | PROTO-CUNEIFORM SIGN GAN-C TIMES HI PLUS DIN    | 1280E |  | PROTO-CUNEIFORM SIGN GI4-B                         |
| 127E7 |  | PROTO-CUNEIFORM SIGN GAN-C TIMES KASH-C         | 1280F |  | PROTO-CUNEIFORM SIGN GI4-B OVER GI4-B              |
| 127E8 |  | PROTO-CUNEIFORM SIGN GAN-C TIMES KUR-A PLUS A   | 12810 |  | PROTO-CUNEIFORM SIGN GI6                           |
| 127E9 |  | PROTO-CUNEIFORM SIGN GAN-C TIMES LAGAB-B        | 12811 |  | PROTO-CUNEIFORM SIGN GIBIL                         |
| 127EA |  | PROTO-CUNEIFORM SIGN GAN-C TIMES SIG7           | 12812 |  | PROTO-CUNEIFORM SIGN GIR-A                         |
| 127EB |  | PROTO-CUNEIFORM SIGN GAN-C TIMES ZATU777        | 12813 |  | PROTO-CUNEIFORM SIGN GIR-B                         |

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| 12814 |  | PROTO-CUNEIFORM SIGN GIR-C                          | 1283A |  | PROTO-CUNEIFORM SIGN GUG2                   |
| 12815 |  | PROTO-CUNEIFORM SIGN GIR2-A                         | 1283B |  | PROTO-CUNEIFORM SIGN GUG2 TIMES SILA3-A     |
| 12816 |  | PROTO-CUNEIFORM SIGN GIR3-A                         | 1283C |  | PROTO-CUNEIFORM SIGN GUG2 TIMES TUR         |
| 12817 |  | PROTO-CUNEIFORM SIGN GIR3-A TIMES SHE-B             | 1283D |  | PROTO-CUNEIFORM SIGN GUKKAL-A               |
| 12818 |  | PROTO-CUNEIFORM SIGN GIR3-B                         | 1283E |  | PROTO-CUNEIFORM SIGN GUKKAL-B               |
| 12819 |  | PROTO-CUNEIFORM SIGN GIR3-C                         | 1283F |  | PROTO-CUNEIFORM SIGN GUKKAL-C               |
| 1281A |  | PROTO-CUNEIFORM SIGN GIR3-C TIMES SHE3              | 12840 |  | PROTO-CUNEIFORM SIGN GUKKAL-D               |
| 1281B |  | PROTO-CUNEIFORM SIGN GIR3 GUNU-A                    | 12841 |  | PROTO-CUNEIFORM SIGN GUL                    |
| 1281C |  | PROTO-CUNEIFORM SIGN GIR3 GUNU-B                    | 12842 |  | PROTO-CUNEIFORM SIGN GUM-A                  |
| 1281D |  | PROTO-CUNEIFORM SIGN GIR3 GUNU-C                    | 12843 |  | PROTO-CUNEIFORM SIGN GUM-B                  |
| 1281E |  | PROTO-CUNEIFORM SIGN GISAL-A                        | 12844 |  | PROTO-CUNEIFORM SIGN GUM-B NUTILLU          |
| 1281F |  | PROTO-CUNEIFORM SIGN GISAL-B                        | 12845 |  | PROTO-CUNEIFORM SIGN GUN3-A                 |
| 12820 |  | PROTO-CUNEIFORM SIGN GISH                           | 12846 |  | PROTO-CUNEIFORM SIGN GUN3-B                 |
| 12821 |  | PROTO-CUNEIFORM SIGN GISH TIMES DIN PLUS DIN FORM A | 12847 |  | PROTO-CUNEIFORM SIGN GUR                    |
| 12822 |  | PROTO-CUNEIFORM SIGN GISH TIMES DIN PLUS DIN FORM B | 12848 |  | PROTO-CUNEIFORM SIGN GURUSH-A               |
| 12823 |  | PROTO-CUNEIFORM SIGN GISH TIMES DIN PLUS DIN FORM C | 12849 |  | PROTO-CUNEIFORM SIGN GURUSH-A TIMES TWO N14 |
| 12824 |  | PROTO-CUNEIFORM SIGN GISH TIMES SHU2 FORM A         | 1284A |  | PROTO-CUNEIFORM SIGN GURUSH-B               |
| 12825 |  | PROTO-CUNEIFORM SIGN GISH TIMES SHU2 FORM B         | 1284B |  | PROTO-CUNEIFORM SIGN GURUSH-B TIMES TWO N14 |
| 12826 |  | PROTO-CUNEIFORM SIGN GISH TENU                      | 1284C |  | PROTO-CUNEIFORM SIGN GURUSH-C TIMES TWO N14 |
| 12827 |  | PROTO-CUNEIFORM SIGN GISH3-A                        | 1284D |  | PROTO-CUNEIFORM SIGN GURUSHDA               |
| 12828 |  | PROTO-CUNEIFORM SIGN GISH3-A OVER GISH3-A           | 1284E |  | PROTO-CUNEIFORM SIGN HAL                    |
| 12829 |  | PROTO-CUNEIFORM SIGN GISH3-B                        | 1284F |  | PROTO-CUNEIFORM SIGN HALUB                  |
| 1282A |  | PROTO-CUNEIFORM SIGN GISHGAL                        | 12850 |  | PROTO-CUNEIFORM SIGN HASHHUR                |
| 1282B |  | PROTO-CUNEIFORM SIGN GISHIMMAR-A1                   | 12851 |  | PROTO-CUNEIFORM SIGN HASHHUR TIMES MA       |
| 1282C |  | PROTO-CUNEIFORM SIGN GISHIMMAR-A2                   | 12852 |  | PROTO-CUNEIFORM SIGN HI                     |
| 1282D |  | PROTO-CUNEIFORM SIGN GISHIMMAR-A3                   | 12853 |  | PROTO-CUNEIFORM SIGN HI TIMES ONE N57       |
| 1282E |  | PROTO-CUNEIFORM SIGN GISHIMMAR-B1                   | 12854 |  | PROTO-CUNEIFORM SIGN HI TIMES ONE N57 TENU  |
| 1282F |  | PROTO-CUNEIFORM SIGN GISHIMMAR-B2                   | 12855 |  | PROTO-CUNEIFORM SIGN HI GUNU-A              |
| 12830 |  | PROTO-CUNEIFORM SIGN GISHIMMAR-B3                   | 12856 |  | PROTO-CUNEIFORM SIGN HI GUNU-B              |
| 12831 |  | PROTO-CUNEIFORM SIGN GU                             | 12857 |  | PROTO-CUNEIFORM SIGN HI GUNU-C              |
| 12832 |  | PROTO-CUNEIFORM SIGN GU2                            | 12858 |  | PROTO-CUNEIFORM SIGN I                      |
| 12833 |  | PROTO-CUNEIFORM SIGN GU4                            | 12859 |  | PROTO-CUNEIFORM SIGN IB-A                   |
| 12834 |  | PROTO-CUNEIFORM SIGN GU4 GUNU                       | 1285A |  | PROTO-CUNEIFORM SIGN IB-A NUTILLU           |
| 12835 |  | PROTO-CUNEIFORM SIGN GU7                            | 1285B |  | PROTO-CUNEIFORM SIGN IB-B                   |
| 12836 |  | PROTO-CUNEIFORM SIGN GUB3-A                         | 1285C |  | PROTO-CUNEIFORM SIGN IB-C                   |
| 12837 |  | PROTO-CUNEIFORM SIGN GUB3-B                         | 1285D |  | PROTO-CUNEIFORM SIGN IDIGNA                 |
| 12838 |  | PROTO-CUNEIFORM SIGN GUB3-C                         | 1285E |  | PROTO-CUNEIFORM SIGN IG-A                   |
| 12839 |  | PROTO-CUNEIFORM SIGN GUB3-D                         | 1285F |  | PROTO-CUNEIFORM SIGN IG-B                   |
|       |  |   | 12860 |  | PROTO-CUNEIFORM SIGN IL                     |
|       |  |   | 12861 |  | PROTO-CUNEIFORM SIGN IM-A                   |
|       |  |   | 12862 |  | PROTO-CUNEIFORM SIGN IM-B                   |

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| 12863 |  | PROTO-CUNEIFORM SIGN IN-B                    | 1288B |  | PROTO-CUNEIFORM SIGN KI NUTILLU             |
| 12864 |  | PROTO-CUNEIFORM SIGN IN-D                    | 1288C |  | PROTO-CUNEIFORM SIGN KI NUTILLU TIMES DUB-A |
| 12865 |  | PROTO-CUNEIFORM SIGN IR-A                    | 1288D |  | PROTO-CUNEIFORM SIGN KIB                    |
| 12866 |  | PROTO-CUNEIFORM SIGN IR-B                    | 1288E |  | PROTO-CUNEIFORM SIGN KIB GUNU               |
| 12867 |  | PROTO-CUNEIFORM SIGN IR-C                    | 1288F |  | PROTO-CUNEIFORM SIGN KID-A                  |
| 12868 |  | PROTO-CUNEIFORM SIGN IR-D                    | 12890 |  | PROTO-CUNEIFORM SIGN KID-B                  |
| 12869 |  | PROTO-CUNEIFORM SIGN ISH-A                   | 12891 |  | PROTO-CUNEIFORM SIGN KID-C                  |
| 1286A |  | PROTO-CUNEIFORM SIGN ISH-B                   | 12892 |  | PROTO-CUNEIFORM SIGN KID-D                  |
| 1286B |  | PROTO-CUNEIFORM SIGN ISH-C                   | 12893 |  | PROTO-CUNEIFORM SIGN KID-E                  |
| 1286C |  | PROTO-CUNEIFORM SIGN KA-A                    | 12894 |  | PROTO-CUNEIFORM SIGN KIN                    |
| 1286D |  | PROTO-CUNEIFORM SIGN KA-A TIMES SAR-A        | 12895 |  | PROTO-CUNEIFORM SIGN KIN2-A                 |
| 1286E |  | PROTO-CUNEIFORM SIGN KA2-A                   | 12896 |  | PROTO-CUNEIFORM SIGN KIN2-B                 |
| 1286F |  | PROTO-CUNEIFORM SIGN KA2-B                   | 12897 |  | PROTO-CUNEIFORM SIGN KIN2-C                 |
| 12870 |  | PROTO-CUNEIFORM SIGN KA2-D TIMES LAM-B       | 12898 |  | PROTO-CUNEIFORM SIGN KIN2-D                 |
| 12871 |  | PROTO-CUNEIFORM SIGN KAB                     | 12899 |  | PROTO-CUNEIFORM SIGN KIN2-E                 |
| 12872 |  | PROTO-CUNEIFORM SIGN KAD4-A                  | 1289A |  | PROTO-CUNEIFORM SIGN KISAL-A1               |
| 12873 |  | PROTO-CUNEIFORM SIGN KAD4-B                  | 1289B |  | PROTO-CUNEIFORM SIGN KISAL-B1               |
| 12874 |  | PROTO-CUNEIFORM SIGN KAK-A                   | 1289C |  | PROTO-CUNEIFORM SIGN KISAL-B2               |
| 12875 |  | PROTO-CUNEIFORM SIGN KAK-B                   | 1289D |  | PROTO-CUNEIFORM SIGN KISAL-B2 TENU          |
| 12876 |  | PROTO-CUNEIFORM SIGN KAL-A                   | 1289E |  | PROTO-CUNEIFORM SIGN KISAL-B3               |
| 12877 |  | PROTO-CUNEIFORM SIGN KAL-B1                  | 1289F |  | PROTO-CUNEIFORM SIGN KISIM-A                |
| 12878 |  | PROTO-CUNEIFORM SIGN KAL-B2                  | 128A0 |  | PROTO-CUNEIFORM SIGN KISIM-B                |
| 12879 |  | PROTO-CUNEIFORM SIGN KALAM-A                 | 128A1 |  | PROTO-CUNEIFORM SIGN KISIM-C                |
| 1287A |  | PROTO-CUNEIFORM SIGN KALAM-B                 | 128A2 |  | PROTO-CUNEIFORM SIGN KISH                   |
| 1287B |  | PROTO-CUNEIFORM SIGN KALAM-C                 | 128A3 |  | PROTO-CUNEIFORM SIGN KISHIK-A               |
| 1287C |  | PROTO-CUNEIFORM SIGN KALAM-D                 | 128A4 |  | PROTO-CUNEIFORM SIGN KISHIK-B               |
| 1287D |  | PROTO-CUNEIFORM SIGN KALAM-E                 | 128A5 |  | PROTO-CUNEIFORM SIGN KU-A                   |
| 1287E |  | PROTO-CUNEIFORM SIGN KALAM-F                 | 128A6 |  | PROTO-CUNEIFORM SIGN KU-B1                  |
| 1287F |  | PROTO-CUNEIFORM SIGN KALAM-G                 | 128A7 |  | PROTO-CUNEIFORM SIGN KU-B2                  |
| 12880 |  | PROTO-CUNEIFORM SIGN KALAM-H                 | 128A8 |  | PROTO-CUNEIFORM SIGN KU3-A                  |
| 12881 |  | PROTO-CUNEIFORM SIGN KALAM-H2                | 128A9 |  | PROTO-CUNEIFORM SIGN KU3-C                  |
| 12882 |  | PROTO-CUNEIFORM SIGN KAR2-A                  | 128AA |  | PROTO-CUNEIFORM SIGN KU6-A                  |
| 12883 |  | PROTO-CUNEIFORM SIGN KAR2-B                  | 128AB |  | PROTO-CUNEIFORM SIGN KU6-A JOINING KU6-A    |
| 12884 |  | PROTO-CUNEIFORM SIGN KASKAL                  | 128AC |  | PROTO-CUNEIFORM SIGN KU6-C                  |
| 12885 |  | PROTO-CUNEIFORM SIGN KASH-A                  | 128AD |  | PROTO-CUNEIFORM SIGN KU6-D                  |
| 12886 |  | PROTO-CUNEIFORM SIGN KASH-B                  | 128AE |  | PROTO-CUNEIFORM SIGN KUR-A                  |
| 12887 |  | PROTO-CUNEIFORM SIGN KASH-B TIMES SHE-A TENU | 128AF |  | PROTO-CUNEIFORM SIGN KUR-B                  |
| 12888 |  | PROTO-CUNEIFORM SIGN KASH-C                  | 128B0 |  | PROTO-CUNEIFORM SIGN KUR-C                  |
| 12889 |  | PROTO-CUNEIFORM SIGN KASH-D                  | 128B1 |  | PROTO-CUNEIFORM SIGN KUR GUNU-A             |
| 1288A |  | PROTO-CUNEIFORM SIGN KI                      | 128B2 |  | PROTO-CUNEIFORM SIGN KUR GUNU-B             |

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| 128B3 |  | PROTO-CUNEIFORM SIGN KUSHU2-A                          | 128D9 |  | PROTO-CUNEIFORM SIGN LAL2-A                            |
| 128B4 |  | PROTO-CUNEIFORM SIGN KUSHU2-B                          | 128DA |  | PROTO-CUNEIFORM SIGN LAL2-A TIMES NAGA-A               |
| 128B5 |  | PROTO-CUNEIFORM SIGN KUSHU2-C                          | 128DB |  | PROTO-CUNEIFORM SIGN LAL2-A TIMES NIM-B2               |
| 128B6 |  | PROTO-CUNEIFORM SIGN KUSHU2-D                          | 128DC |  | PROTO-CUNEIFORM SIGN LAL2-B                            |
| 128B7 |  | PROTO-CUNEIFORM SIGN KUSHU2-E                          | 128DD |  | PROTO-CUNEIFORM SIGN LAL3-A                            |
| 128B8 |  | PROTO-CUNEIFORM SIGN KUSHU2-F                          | 128DE |  | PROTO-CUNEIFORM SIGN LAL3-B                            |
| 128B9 |  | PROTO-CUNEIFORM SIGN LA-B                              | 128DF |  | PROTO-CUNEIFORM SIGN LAM-A                             |
| 128BA |  | PROTO-CUNEIFORM SIGN LA-D                              | 128E0 |  | PROTO-CUNEIFORM SIGN LAM-B                             |
| 128BB |  | PROTO-CUNEIFORM SIGN LA2                               | 128E1 |  | PROTO-CUNEIFORM SIGN LAM-B REVERSED                    |
| 128BC |  | PROTO-CUNEIFORM SIGN LAGAB-A                           | 128E2 |  | PROTO-CUNEIFORM SIGN LAM-B TENU                        |
| 128BD |  | PROTO-CUNEIFORM SIGN LAGAB-A TIMES DU6-A               | 128E3 |  | PROTO-CUNEIFORM SIGN LISH                              |
| 128BE |  | PROTO-CUNEIFORM SIGN LAGAB-A TIMES KU6-A               | 128E4 |  | PROTO-CUNEIFORM SIGN LU2                               |
| 128BF |  | PROTO-CUNEIFORM SIGN LAGAB-A TIMES KU6-A JOINING KU6-A | 128E5 |  | PROTO-CUNEIFORM SIGN LUM                               |
| 128C0 |  | PROTO-CUNEIFORM SIGN LAGAB-A TIMES KUSHU2-A TENU       | 128E6 |  | PROTO-CUNEIFORM SIGN MA                                |
| 128C1 |  | PROTO-CUNEIFORM SIGN LAGAB-A TIMES ME-A                | 128E7 |  | PROTO-CUNEIFORM SIGN MA TIMES A                        |
| 128C2 |  | PROTO-CUNEIFORM SIGN LAGAB-A TIMES NUN-B               | 128E8 |  | PROTO-CUNEIFORM SIGN MA TIMES MA                       |
| 128C3 |  | PROTO-CUNEIFORM SIGN LAGAB-A TIMES PA-A                | 128E9 |  | PROTO-CUNEIFORM SIGN MA TIMES ONE N58                  |
| 128C4 |  | PROTO-CUNEIFORM SIGN LAGAB-A TIMES SIG7                | 128EA |  | PROTO-CUNEIFORM SIGN MA2                               |
| 128C5 |  | PROTO-CUNEIFORM SIGN LAGAB-A TIMES SU-A                | 128EB |  | PROTO-CUNEIFORM SIGN MAGUR-A                           |
| 128C6 |  | PROTO-CUNEIFORM SIGN LAGAB-A TIMES SHA                 | 128EC |  | PROTO-CUNEIFORM SIGN MAGUR-B                           |
| 128C7 |  | PROTO-CUNEIFORM SIGN LAGAB-A TIMES SHITA-A1            | 128ED |  | PROTO-CUNEIFORM SIGN MAH-A                             |
| 128C8 |  | PROTO-CUNEIFORM SIGN LAGAB-A TIMES TI                  | 128EE |  | PROTO-CUNEIFORM SIGN MAH-A TIMES AB2                   |
| 128C9 |  | PROTO-CUNEIFORM SIGN LAGAB-A TIMES U4                  | 128EF |  | PROTO-CUNEIFORM SIGN MAH-A TIMES GUKKAL-A              |
| 128CA |  | PROTO-CUNEIFORM SIGN LAGAB-A TIMES UB                  | 128F0 |  | PROTO-CUNEIFORM SIGN MAH-A TIMES KU6-A                 |
| 128CB |  | PROTO-CUNEIFORM SIGN LAGAB-A TIMES ZATU753             | 128F1 |  | PROTO-CUNEIFORM SIGN MAH-A TIMES MASH                  |
| 128CC |  | PROTO-CUNEIFORM SIGN LAGAB-A TIMES TWO N14             | 128F2 |  | PROTO-CUNEIFORM SIGN MAH-A TIMES NA-A                  |
| 128CD |  | PROTO-CUNEIFORM SIGN LAGAB-A TIMES ONE N58             | 128F3 |  | PROTO-CUNEIFORM SIGN MAH-A TIMES SILA3-A TIMES UMBIN-A |
| 128CE |  | PROTO-CUNEIFORM SIGN LAGAB-B                           | 128F4 |  | PROTO-CUNEIFORM SIGN MAH-A TIMES TUG2-A                |
| 128CF |  | PROTO-CUNEIFORM SIGN LAGAB-B TIMES HI                  | 128F5 |  | PROTO-CUNEIFORM SIGN MAH-A TIMES TUN3-C                |
| 128D0 |  | PROTO-CUNEIFORM SIGN LAGAB-B TIMES KUR-E               | 128F6 |  | PROTO-CUNEIFORM SIGN MAH-A TIMES UD5-A                 |
| 128D1 |  | PROTO-CUNEIFORM SIGN LAGAB-B TIMES PA-A                | 128F7 |  | PROTO-CUNEIFORM SIGN MAH-A TIMES UDU-A                 |
| 128D2 |  | PROTO-CUNEIFORM SIGN LAGAB-B TIMES U4                  | 128F8 |  | PROTO-CUNEIFORM SIGN MAH-A TIMES UR-A                  |
| 128D3 |  | PROTO-CUNEIFORM SIGN LAGAB-B OVER LAGAB-B              | 128F9 |  | PROTO-CUNEIFORM SIGN MAH-A TIMES UTUA-A                |
| 128D4 |  | PROTO-CUNEIFORM SIGN LAGAR-A                           | 128FA |  | PROTO-CUNEIFORM SIGN MAH-A TIMES ZATU659               |
| 128D5 |  | PROTO-CUNEIFORM SIGN LAGAR-A REVERSED                  | 128FB |  | PROTO-CUNEIFORM SIGN MAH-B                             |
| 128D6 |  | PROTO-CUNEIFORM SIGN LAGAR-B1                          | 128FC |  | PROTO-CUNEIFORM SIGN MAH-B TIMES NA-A                  |
| 128D7 |  | PROTO-CUNEIFORM SIGN LAGAR-B2                          | 128FD |  | PROTO-CUNEIFORM SIGN MAH-B TIMES SAL                   |
| 128D8 |  | PROTO-CUNEIFORM SIGN LAGAR-C                           | 128FE |  | PROTO-CUNEIFORM SIGN MAR-A                             |
|       |  |  | 128FF |  | PROTO-CUNEIFORM SIGN MAR-A GUNU                        |
|       |  |  | 12900 |  | PROTO-CUNEIFORM SIGN MAR-A TENU                        |
|       |  |  | 12901 |  | PROTO-CUNEIFORM SIGN MAR-B                             |

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| 12902 |  | PROTO-CUNEIFORM SIGN MAR-B TIMES GAR               | 1292A |  | PROTO-CUNEIFORM SIGN NA-C                 |
| 12903 |  | PROTO-CUNEIFORM SIGN MAR-B TIMES LAGAB-B PLUS SHE3 | 1292B |  | PROTO-CUNEIFORM SIGN NA2-A                |
| 12904 |  | PROTO-CUNEIFORM SIGN MAR-B TIMES SHE-A             | 1292C |  | PROTO-CUNEIFORM SIGN NA2-B1               |
| 12905 |  | PROTO-CUNEIFORM SIGN MASH                          | 1292D |  | PROTO-CUNEIFORM SIGN NA2-B2               |
| 12906 |  | PROTO-CUNEIFORM SIGN MASH2                         | 1292E |  | PROTO-CUNEIFORM SIGN NA2-C                |
| 12907 |  | PROTO-CUNEIFORM SIGN MASH2 GUNU                    | 1292F |  | PROTO-CUNEIFORM SIGN NAB                  |
| 12908 |  | PROTO-CUNEIFORM SIGN ME-A                          | 12930 |  | PROTO-CUNEIFORM SIGN NAGA-A               |
| 12909 |  | PROTO-CUNEIFORM SIGN ME-B                          | 12931 |  | PROTO-CUNEIFORM SIGN NAGA-A TIMES TAK4-A  |
| 1290A |  | PROTO-CUNEIFORM SIGN ME3                           | 12932 |  | PROTO-CUNEIFORM SIGN NAGA-B               |
| 1290B |  | PROTO-CUNEIFORM SIGN MEN-A                         | 12933 |  | PROTO-CUNEIFORM SIGN NAGAR-A              |
| 1290C |  | PROTO-CUNEIFORM SIGN MEN-B                         | 12934 |  | PROTO-CUNEIFORM SIGN NAGAR-B              |
| 1290D |  | PROTO-CUNEIFORM SIGN MES                           | 12935 |  | PROTO-CUNEIFORM SIGN NAM-A                |
| 1290E |  | PROTO-CUNEIFORM SIGN MIR-A                         | 12936 |  | PROTO-CUNEIFORM SIGN NAM-B                |
| 1290F |  | PROTO-CUNEIFORM SIGN MIR-B                         | 12937 |  | PROTO-CUNEIFORM SIGN NAM-C                |
| 12910 |  | PROTO-CUNEIFORM SIGN MU                            | 12938 |  | PROTO-CUNEIFORM SIGN NAM-D                |
| 12911 |  | PROTO-CUNEIFORM SIGN MUD                           | 12939 |  | PROTO-CUNEIFORM SIGN NAM2                 |
| 12912 |  | PROTO-CUNEIFORM SIGN MUD3-A                        | 1293A |  | PROTO-CUNEIFORM SIGN NAM2 TIMES ONE N01   |
| 12913 |  | PROTO-CUNEIFORM SIGN MUD3-A GUNU                   | 1293B |  | PROTO-CUNEIFORM SIGN NAM2 GUNU            |
| 12914 |  | PROTO-CUNEIFORM SIGN MUD3-B                        | 1293C |  | PROTO-CUNEIFORM SIGN NAM2 TENU            |
| 12915 |  | PROTO-CUNEIFORM SIGN MUD3-C                        | 1293D |  | PROTO-CUNEIFORM SIGN NANSHE-A             |
| 12916 |  | PROTO-CUNEIFORM SIGN MUD3-D                        | 1293E |  | PROTO-CUNEIFORM SIGN NANSHE-B             |
| 12917 |  | PROTO-CUNEIFORM SIGN MUL                           | 1293F |  | PROTO-CUNEIFORM SIGN NAR                  |
| 12918 |  | PROTO-CUNEIFORM SIGN MUN-A1                        | 12940 |  | PROTO-CUNEIFORM SIGN NE-A                 |
| 12919 |  | PROTO-CUNEIFORM SIGN MUN-A2                        | 12941 |  | PROTO-CUNEIFORM SIGN NE-B                 |
| 1291A |  | PROTO-CUNEIFORM SIGN MUN-A3                        | 12942 |  | PROTO-CUNEIFORM SIGN NE-C                 |
| 1291B |  | PROTO-CUNEIFORM SIGN MUN-A4                        | 12943 |  | PROTO-CUNEIFORM SIGN NE-D                 |
| 1291C |  | PROTO-CUNEIFORM SIGN MUN-B                         | 12944 |  | PROTO-CUNEIFORM SIGN NESAG2-A             |
| 1291D |  | PROTO-CUNEIFORM SIGN MUNSHUB-A                     | 12945 |  | PROTO-CUNEIFORM SIGN NESAG2-B             |
| 1291E |  | PROTO-CUNEIFORM SIGN MUNSHUB-B                     | 12946 |  | PROTO-CUNEIFORM SIGN NI-A                 |
| 1291F |  | PROTO-CUNEIFORM SIGN MUNU3                         | 12947 |  | PROTO-CUNEIFORM SIGN NI-A GUNU            |
| 12920 |  | PROTO-CUNEIFORM SIGN MUSH                          | 12948 |  | PROTO-CUNEIFORM SIGN NI-B                 |
| 12921 |  | PROTO-CUNEIFORM SIGN MUSH3-A                       | 12949 |  | PROTO-CUNEIFORM SIGN NI-B TIMES FOUR N57  |
| 12922 |  | PROTO-CUNEIFORM SIGN MUSH3-A GUNU                  | 1294A |  | PROTO-CUNEIFORM SIGN NI-B TIMES EIGHT N57 |
| 12923 |  | PROTO-CUNEIFORM SIGN MUSH3-B                       | 1294B |  | PROTO-CUNEIFORM SIGN NI2                  |
| 12924 |  | PROTO-CUNEIFORM SIGN MUSHEN                        | 1294C |  | PROTO-CUNEIFORM SIGN NIGIN                |
| 12925 |  | PROTO-CUNEIFORM SIGN ONE N58 BAD                   | 1294D |  | PROTO-CUNEIFORM SIGN NIM-A                |
| 12926 |  | PROTO-CUNEIFORM SIGN ONE N58 PLUS BAD FORM B       | 1294E |  | PROTO-CUNEIFORM SIGN NIM-B1               |
| 12927 |  | PROTO-CUNEIFORM SIGN THREE N58 UR3-B1              | 1294F |  | PROTO-CUNEIFORM SIGN NIM-B2               |
| 12928 |  | PROTO-CUNEIFORM SIGN NA-A                          | 12950 |  | PROTO-CUNEIFORM SIGN NIM-B3               |
| 12929 |  | PROTO-CUNEIFORM SIGN NA-B                          | 12951 |  | PROTO-CUNEIFORM SIGN NIMGIR               |
|       |  |  | 12952 |  | PROTO-CUNEIFORM SIGN NINDA2               |

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| 12953 |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES AN                     | 12979 |  | PROTO-CUNEIFORM SIGN NUN-B JOINING EN-A                |
| 12954 |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES AN PLUS HI             | 1297A |  | PROTO-CUNEIFORM SIGN NUN-C                             |
| 12955 |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES AN PLUS ME-A           | 1297B |  | PROTO-CUNEIFORM SIGN NUN-D                             |
| 12956 |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES EZEN-B                 | 1297C |  | PROTO-CUNEIFORM SIGN NUNUZ-A0                          |
| 12957 |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES GAAR-A1                | 1297D |  | PROTO-CUNEIFORM SIGN NUNUZ-A1                          |
| 12958 |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES GAR                    | 1297E |  | PROTO-CUNEIFORM SIGN NUNUZ-A2                          |
| 12959 |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES GISH                   | 1297F |  | PROTO-CUNEIFORM SIGN NUNUZ-B1                          |
| 1295A |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES GU4                    | 12980 |  | PROTO-CUNEIFORM SIGN NUNUZ-C                           |
| 1295B |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES HI                     | 12981 |  | PROTO-CUNEIFORM SIGN PA-A                              |
| 1295C |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES HI PLUS AN PLUS ME-A   | 12982 |  | PROTO-CUNEIFORM SIGN PA-B                              |
| 1295D |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES HI PLUS ME-A           | 12983 |  | PROTO-CUNEIFORM SIGN PAD-A                             |
| 1295E |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES KASH-B                 | 12984 |  | PROTO-CUNEIFORM SIGN PAD-B                             |
| 1295F |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES MAR-A                  | 12985 |  | PROTO-CUNEIFORM SIGN PAP-A                             |
| 12960 |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES MAR-B                  | 12986 |  | PROTO-CUNEIFORM SIGN PAP-A TENU                        |
| 12961 |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES NUN-A                  | 12987 |  | PROTO-CUNEIFORM SIGN PAP-B                             |
| 12962 |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES U4                     | 12988 |  | PROTO-CUNEIFORM SIGN PIRIG-A1                          |
| 12963 |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES ZATU659 TIMES ONE N01  | 12989 |  | PROTO-CUNEIFORM SIGN PIRIG-A2                          |
| 12964 |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES ZATU710                | 1298A |  | PROTO-CUNEIFORM SIGN PIRIG-A3                          |
| 12965 |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES ONE N01                | 1298B |  | PROTO-CUNEIFORM SIGN PIRIG-B1                          |
| 12966 |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES TWO N01                | 1298C |  | PROTO-CUNEIFORM SIGN PIRIG-B1 JOINING DIN              |
| 12967 |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES ONE N06 PLUS HI GUNU-A | 1298D |  | PROTO-CUNEIFORM SIGN PIRIG-B2                          |
| 12968 |  | PROTO-CUNEIFORM SIGN NINDA2 TIMES ONE N08                | 1298E |  | PROTO-CUNEIFORM SIGN PU2                               |
| 12969 |  | PROTO-CUNEIFORM SIGN NIR-A                               | 1298F |  | PROTO-CUNEIFORM SIGN RA                                |
| 1296A |  | PROTO-CUNEIFORM SIGN NIR-A TIMES AN                      | 12990 |  | PROTO-CUNEIFORM SIGN RAD-A                             |
| 1296B |  | PROTO-CUNEIFORM SIGN NIR-B                               | 12991 |  | PROTO-CUNEIFORM SIGN RAD-A GUNU                        |
| 1296C |  | PROTO-CUNEIFORM SIGN NU                                  | 12992 |  | PROTO-CUNEIFORM SIGN RAD-B                             |
| 1296D |  | PROTO-CUNEIFORM SIGN NU GUNU                             | 12993 |  | PROTO-CUNEIFORM SIGN RI8-A                             |
| 1296E |  | PROTO-CUNEIFORM SIGN NU11                                | 12994 |  | PROTO-CUNEIFORM SIGN RI8-B                             |
| 1296F |  | PROTO-CUNEIFORM SIGN NU11 OVER NU11                      | 12995 |  | PROTO-CUNEIFORM SIGN RU                                |
| 12970 |  | PROTO-CUNEIFORM SIGN NU11 TENU                           | 12996 |  | PROTO-CUNEIFORM SIGN SA-A                              |
| 12971 |  | PROTO-CUNEIFORM SIGN NUMUN                               | 12997 |  | PROTO-CUNEIFORM SIGN SA-C                              |
| 12972 |  | PROTO-CUNEIFORM SIGN NUN-A                               | 12998 |  | PROTO-CUNEIFORM SIGN SAG                               |
| 12973 |  | PROTO-CUNEIFORM SIGN NUN-A JOINING A                     | 12999 |  | PROTO-CUNEIFORM SIGN SAG JOINING UKKIN-B TIMES ONE N57 |
| 12974 |  | PROTO-CUNEIFORM SIGN NUN-A JOINING EN-A                  | 1299A |  | PROTO-CUNEIFORM SIGN SAG TIMES GESHTU-A                |
| 12975 |  | PROTO-CUNEIFORM SIGN NUN-A JOINING EN-B                  | 1299B |  | PROTO-CUNEIFORM SIGN SAG TIMES GESHTU-B                |
| 12976 |  | PROTO-CUNEIFORM SIGN NUN-A JOINING EN-D                  | 1299C |  | PROTO-CUNEIFORM SIGN SAG TIMES MA                      |
| 12977 |  | PROTO-CUNEIFORM SIGN NUN-A JOINING NAM2                  | 1299D |  | PROTO-CUNEIFORM SIGN SAG TIMES NAM2                    |
| 12978 |  | PROTO-CUNEIFORM SIGN NUN-B                               | 1299E |  | PROTO-CUNEIFORM SIGN SAG GUNU                          |
|       |  |  | 1299F |  | PROTO-CUNEIFORM SIGN SAG NUTILLU                       |
|       |  |  | 129A0 |  | PROTO-CUNEIFORM SIGN SAGSHU                            |

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| 129A1 |  | PROTO-CUNEIFORM SIGN SAL                | 129C8 |  | PROTO-CUNEIFORM SIGN SIG4                            |
| 129A2 |  | PROTO-CUNEIFORM SIGN SAL TIMES ONE N58  | 129C9 |  | PROTO-CUNEIFORM SIGN SIG7                            |
| 129A3 |  | PROTO-CUNEIFORM SIGN SANGA-A            | 129CA |  | PROTO-CUNEIFORM SIGN SILA3-A                         |
| 129A4 |  | PROTO-CUNEIFORM SIGN SANGA-B            | 129CB |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES A                 |
| 129A5 |  | PROTO-CUNEIFORM SIGN SANGA-C            | 129CC |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES AMAR              |
| 129A6 |  | PROTO-CUNEIFORM SIGN SANGA-E            | 129CD |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES DUG-A             |
| 129A7 |  | PROTO-CUNEIFORM SIGN SAR-A              | 129CE |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES GA-A              |
| 129A8 |  | PROTO-CUNEIFORM SIGN SAR-A TIMES SHE-A  | 129CF |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES GARA2-A           |
| 129A9 |  | PROTO-CUNEIFORM SIGN SAR-B              | 129D0 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES GESHTU-A          |
| 129AA |  | PROTO-CUNEIFORM SIGN SAR-C              | 129D1 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES GESHTU-C3         |
| 129AB |  | PROTO-CUNEIFORM SIGN SAR-D              | 129D2 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES HASHHUR           |
| 129AC |  | PROTO-CUNEIFORM SIGN SI                 | 129D3 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES HI                |
| 129AD |  | PROTO-CUNEIFORM SIGN SI JOINING AN      | 129D4 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES IB-A              |
| 129AE |  | PROTO-CUNEIFORM SIGN SI TIMES EN-A      | 129D5 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES KASH-A            |
| 129AF |  | PROTO-CUNEIFORM SIGN SI TIMES GU4       | 129D6 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES KASH-C            |
| 129B0 |  | PROTO-CUNEIFORM SIGN SI TIMES KU-B1     | 129D7 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES KASH-D            |
| 129B1 |  | PROTO-CUNEIFORM SIGN SI TIMES SAL       | 129D8 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES KU6-A             |
| 129B2 |  | PROTO-CUNEIFORM SIGN SI TIMES SHE3      | 129D9 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES KUR-A             |
| 129B3 |  | PROTO-CUNEIFORM SIGN SI TIMES TUN3-A    | 129DA |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES MA                |
| 129B4 |  | PROTO-CUNEIFORM SIGN SI TIMES ONE N58   | 129DB |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES MASH              |
| 129B5 |  | PROTO-CUNEIFORM SIGN SI4-A              | 129DC |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES MUD3-B            |
| 129B6 |  | PROTO-CUNEIFORM SIGN SI4-B              | 129DD |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES NAGA-A            |
| 129B7 |  | PROTO-CUNEIFORM SIGN SI4-C              | 129DE |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES NI-A              |
| 129B8 |  | PROTO-CUNEIFORM SIGN SI4-D              | 129DF |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES NUN-B             |
| 129B9 |  | PROTO-CUNEIFORM SIGN SI4-F              | 129E0 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES SUHUR             |
| 129BA |  | PROTO-CUNEIFORM SIGN SIG                | 129E1 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES SUM-A             |
| 129BB |  | PROTO-CUNEIFORM SIGN SIG2-A1            | 129E2 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES SUM-B             |
| 129BC |  | PROTO-CUNEIFORM SIGN SIG2-A2            | 129E3 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES SHE-A             |
| 129BD |  | PROTO-CUNEIFORM SIGN SIG2-A3            | 129E4 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES SHE-A TENU        |
| 129BE |  | PROTO-CUNEIFORM SIGN SIG2-A4            | 129E5 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES SHU               |
| 129BF |  | PROTO-CUNEIFORM SIGN SIG2-B             | 129E6 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES SHU2              |
| 129C0 |  | PROTO-CUNEIFORM SIGN SIG2-B OVER SIG2-B | 129E7 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES ZATU629           |
| 129C1 |  | PROTO-CUNEIFORM SIGN SIG2-C1            | 129E8 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES ZATU646           |
| 129C2 |  | PROTO-CUNEIFORM SIGN SIG2-C2            | 129E9 |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES ZATU659 PLUS TU-C |
| 129C3 |  | PROTO-CUNEIFORM SIGN SIG2-D1            | 129EA |  | PROTO-CUNEIFORM SIGN SILA3-A TIMES ONE N57           |
| 129C4 |  | PROTO-CUNEIFORM SIGN SIG2-D2            | 129EB |  | PROTO-CUNEIFORM SIGN SILA3-B                         |
| 129C5 |  | PROTO-CUNEIFORM SIGN SIG2-D3            | 129EC |  | PROTO-CUNEIFORM SIGN SILA3-B TIMES GUG2              |
| 129C6 |  | PROTO-CUNEIFORM SIGN SIG2-D4            | 129ED |  | PROTO-CUNEIFORM SIGN SILA3-B TIMES NAGA-B            |
| 129C7 |  | PROTO-CUNEIFORM SIGN SIG2-E             | 129EE |  | PROTO-CUNEIFORM SIGN SILA3-B TIMES NI-A              |
|       |  |   | 129EF |  | PROTO-CUNEIFORM SIGN SILA3-B TIMES NI-B              |

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| 129F0 |  | PROTO-CUNEIFORM SIGN SILA3-C TIMES ZATU687      | 12A17 |  | PROTO-CUNEIFORM SIGN SHA3-C                        |
| 129F1 |  | PROTO-CUNEIFORM SIGN SILA4-A                    | 12A18 |  | PROTO-CUNEIFORM SIGN SHA3-D                        |
| 129F2 |  | PROTO-CUNEIFORM SIGN SILA4-B                    | 12A19 |  | PROTO-CUNEIFORM SIGN SHAGAN                        |
| 129F3 |  | PROTO-CUNEIFORM SIGN SILA4-C                    | 12A1A |  | PROTO-CUNEIFORM SIGN SHAGINA                       |
| 129F4 |  | PROTO-CUNEIFORM SIGN SILA4-D                    | 12A1B |  | PROTO-CUNEIFORM SIGN SHAH2-A                       |
| 129F5 |  | PROTO-CUNEIFORM SIGN SILANITA                   | 12A1C |  | PROTO-CUNEIFORM SIGN SHAH2-B                       |
| 129F6 |  | PROTO-CUNEIFORM SIGN SIMUG                      | 12A1D |  | PROTO-CUNEIFORM SIGN SHAH2-C                       |
| 129F7 |  | PROTO-CUNEIFORM SIGN SU-A                       | 12A1E |  | PROTO-CUNEIFORM SIGN SHAKIR-A                      |
| 129F8 |  | PROTO-CUNEIFORM SIGN SU-A TIMES ONE N58         | 12A1F |  | PROTO-CUNEIFORM SIGN SHAKIR-B                      |
| 129F9 |  | PROTO-CUNEIFORM SIGN SU-B                       | 12A20 |  | PROTO-CUNEIFORM SIGN SHAKIR-C                      |
| 129FA |  | PROTO-CUNEIFORM SIGN SU-C                       | 12A21 |  | PROTO-CUNEIFORM SIGN SHAM2                         |
| 129FB |  | PROTO-CUNEIFORM SIGN SU3                        | 12A22 |  | PROTO-CUNEIFORM SIGN SHE-A                         |
| 129FC |  | PROTO-CUNEIFORM SIGN SUG                        | 12A23 |  | PROTO-CUNEIFORM SIGN SHE-A OVER SHE-A              |
| 129FD |  | PROTO-CUNEIFORM SIGN SUG5                       | 12A24 |  | PROTO-CUNEIFORM SIGN SHE-A TENU                    |
| 129FE |  | PROTO-CUNEIFORM SIGN SUH3                       | 12A25 |  | PROTO-CUNEIFORM SIGN SHE-B                         |
| 129FF |  | PROTO-CUNEIFORM SIGN SUHUR                      | 12A26 |  | PROTO-CUNEIFORM SIGN SHE-C                         |
| 12A00 |  | PROTO-CUNEIFORM SIGN SUHUR GUNU                 | 12A27 |  | PROTO-CUNEIFORM SIGN SHE3                          |
| 12A01 |  | PROTO-CUNEIFORM SIGN SUHUR NUTILLU              | 12A28 |  | PROTO-CUNEIFORM SIGN SHE3 TENU                     |
| 12A02 |  | PROTO-CUNEIFORM SIGN SUHUR TENU                 | 12A29 |  | PROTO-CUNEIFORM SIGN SHEG9                         |
| 12A03 |  | PROTO-CUNEIFORM SIGN SUKKAL                     | 12A2A |  | PROTO-CUNEIFORM SIGN SHEN-A                        |
| 12A04 |  | PROTO-CUNEIFORM SIGN SUKUD                      | 12A2B |  | PROTO-CUNEIFORM SIGN SHEN-B                        |
| 12A05 |  | PROTO-CUNEIFORM SIGN SUKUD JOINING SUKUD FORM A | 12A2C |  | PROTO-CUNEIFORM SIGN SHEN-C                        |
| 12A06 |  | PROTO-CUNEIFORM SIGN SUKUD JOINING SUKUD FORM B | 12A2D |  | PROTO-CUNEIFORM SIGN SHEN-C TENU                   |
| 12A07 |  | PROTO-CUNEIFORM SIGN SUKUD GUNU-A               | 12A2E |  | PROTO-CUNEIFORM SIGN SHEN-E                        |
| 12A08 |  | PROTO-CUNEIFORM SIGN SUKUD GUNU-B               | 12A2F |  | PROTO-CUNEIFORM SIGN SHEN-E TIMES A                |
| 12A09 |  | PROTO-CUNEIFORM SIGN SUKUD GUNU-C               | 12A30 |  | PROTO-CUNEIFORM SIGN SHENNUR-A                     |
| 12A0A |  | PROTO-CUNEIFORM SIGN SUKUD GUNU-D               | 12A31 |  | PROTO-CUNEIFORM SIGN SHENNUR-B                     |
| 12A0B |  | PROTO-CUNEIFORM SIGN SUM-A                      | 12A32 |  | PROTO-CUNEIFORM SIGN SHESH-A                       |
| 12A0C |  | PROTO-CUNEIFORM SIGN SUM-B                      | 12A33 |  | PROTO-CUNEIFORM SIGN SHESH-B                       |
| 12A0D |  | PROTO-CUNEIFORM SIGN SUMASH                     | 12A34 |  | PROTO-CUNEIFORM SIGN SHIDIM                        |
| 12A0E |  | PROTO-CUNEIFORM SIGN SUR                        | 12A35 |  | PROTO-CUNEIFORM SIGN SHIM-A                        |
| 12A0F |  | PROTO-CUNEIFORM SIGN SHA                        | 12A36 |  | PROTO-CUNEIFORM SIGN SHIM-B                        |
| 12A10 |  | PROTO-CUNEIFORM SIGN SHA TIMES HI GUNU-A FORM A | 12A37 |  | PROTO-CUNEIFORM SIGN SHIR-A                        |
| 12A11 |  | PROTO-CUNEIFORM SIGN SHA TIMES HI GUNU-A FORM B | 12A38 |  | PROTO-CUNEIFORM SIGN SHIR-B                        |
| 12A12 |  | PROTO-CUNEIFORM SIGN SHA GUNU                   | 12A39 |  | PROTO-CUNEIFORM SIGN SHITA-A1                      |
| 12A13 |  | PROTO-CUNEIFORM SIGN SHA3-A1                    | 12A3A |  | PROTO-CUNEIFORM SIGN SHITA-A1 TIMES KAK-A          |
| 12A14 |  | PROTO-CUNEIFORM SIGN SHA3-A2                    | 12A3B |  | PROTO-CUNEIFORM SIGN SHITA-A1 TIMES SHU            |
| 12A15 |  | PROTO-CUNEIFORM SIGN SHA3-A2 GUNU               | 12A3C |  | PROTO-CUNEIFORM SIGN SHITA-A2                      |
| 12A16 |  | PROTO-CUNEIFORM SIGN SHA3-B                     | 12A3D |  | PROTO-CUNEIFORM SIGN SHITA-A3                      |
|       |  |   | 12A3E |  | PROTO-CUNEIFORM SIGN SHITA-B1                      |
|       |  |   | 12A3F |  | PROTO-CUNEIFORM SIGN SHITA-B2                      |
|       |  |   | 12A40 |  | PROTO-CUNEIFORM SIGN SHITA-B2 GUNU TIMES HI GUNU-A |



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| 12A41 |  | PROTO-CUNEIFORM SIGN SHITA-B3                   | 12A68 |  | PROTO-CUNEIFORM SIGN TU-A                              |
| 12A42 |  | PROTO-CUNEIFORM SIGN SHITA-B3 TIMES NAM2        | 12A69 |  | PROTO-CUNEIFORM SIGN TU-B                              |
| 12A43 |  | PROTO-CUNEIFORM SIGN SHITA GUNU-A               | 12A6A |  | PROTO-CUNEIFORM SIGN TU-C                              |
| 12A44 |  | PROTO-CUNEIFORM SIGN SHITA GUNU-A TIMES ONE N06 | 12A6B |  | PROTO-CUNEIFORM SIGN TUG2-A                            |
| 12A45 |  | PROTO-CUNEIFORM SIGN SHITA GUNU-B               | 12A6C |  | PROTO-CUNEIFORM SIGN TUG2-A GUNU                       |
| 12A46 |  | PROTO-CUNEIFORM SIGN SHU                        | 12A6D |  | PROTO-CUNEIFORM SIGN TUG2-B                            |
| 12A47 |  | PROTO-CUNEIFORM SIGN SHU TIMES ONE N58          | 12A6E |  | PROTO-CUNEIFORM SIGN TUG2-C                            |
| 12A48 |  | PROTO-CUNEIFORM SIGN SHU OVER SHU               | 12A6F |  | PROTO-CUNEIFORM SIGN TUM-A                             |
| 12A49 |  | PROTO-CUNEIFORM SIGN SHU GUNU                   | 12A70 |  | PROTO-CUNEIFORM SIGN TUM-A GUNU                        |
| 12A4A |  | PROTO-CUNEIFORM SIGN SHU2                       | 12A71 |  | PROTO-CUNEIFORM SIGN TUM-B                             |
| 12A4B |  | PROTO-CUNEIFORM SIGN SHU12                      | 12A72 |  | PROTO-CUNEIFORM SIGN TUM-C                             |
| 12A4C |  | PROTO-CUNEIFORM SIGN SHUBUR                     | 12A73 |  | PROTO-CUNEIFORM SIGN TUM-D                             |
| 12A4D |  | PROTO-CUNEIFORM SIGN SHUM                       | 12A74 |  | PROTO-CUNEIFORM SIGN TUN3-A                            |
| 12A4E |  | PROTO-CUNEIFORM SIGN SHUR2 TIMES ONE N58        | 12A75 |  | PROTO-CUNEIFORM SIGN TUN3-B                            |
| 12A4F |  | PROTO-CUNEIFORM SIGN SHUR2-A                    | 12A76 |  | PROTO-CUNEIFORM SIGN TUN3-C                            |
| 12A50 |  | PROTO-CUNEIFORM SIGN SHUR2-B                    | 12A77 |  | PROTO-CUNEIFORM SIGN TUR                               |
| 12A51 |  | PROTO-CUNEIFORM SIGN TA-A                       | 12A78 |  | PROTO-CUNEIFORM SIGN TUR GUNU                          |
| 12A52 |  | PROTO-CUNEIFORM SIGN TA-B                       | 12A79 |  | PROTO-CUNEIFORM SIGN TUR3-A                            |
| 12A53 |  | PROTO-CUNEIFORM SIGN TA-C                       | 12A7A |  | PROTO-CUNEIFORM SIGN TUR3-B                            |
| 12A54 |  | PROTO-CUNEIFORM SIGN TA-D                       | 12A7B |  | PROTO-CUNEIFORM SIGN TUR3-C                            |
| 12A55 |  | PROTO-CUNEIFORM SIGN TA-E                       | 12A7C |  | PROTO-CUNEIFORM SIGN U2-A                              |
| 12A56 |  | PROTO-CUNEIFORM SIGN TAG-A1                     | 12A7D |  | PROTO-CUNEIFORM SIGN U2-B                              |
| 12A57 |  | PROTO-CUNEIFORM SIGN TAG-A1 TENU                | 12A7E |  | PROTO-CUNEIFORM SIGN U2-C                              |
| 12A58 |  | PROTO-CUNEIFORM SIGN TAG-A2                     | 12A7F |  | PROTO-CUNEIFORM SIGN U4                                |
| 12A59 |  | PROTO-CUNEIFORM SIGN TAG-A3                     | 12A80 |  | PROTO-CUNEIFORM SIGN U4 TIMES ONE N01                  |
| 12A5A |  | PROTO-CUNEIFORM SIGN TAG-A4                     | 12A81 |  | PROTO-CUNEIFORM SIGN U4 TIMES ONE N01 PLUS ONE N24     |
| 12A5B |  | PROTO-CUNEIFORM SIGN TAG-B                      | 12A82 |  | PROTO-CUNEIFORM SIGN U4 TIMES THREE N01                |
| 12A5C |  | PROTO-CUNEIFORM SIGN TAG-C                      | 12A83 |  | PROTO-CUNEIFORM SIGN U4 TIMES FOUR N01                 |
| 12A5D |  | PROTO-CUNEIFORM SIGN TAG-D                      | 12A84 |  | PROTO-CUNEIFORM SIGN U4 TIMES FIVE N01                 |
| 12A5E |  | PROTO-CUNEIFORM SIGN TAK4-A                     | 12A85 |  | PROTO-CUNEIFORM SIGN U4 TIMES SIX N01                  |
| 12A5F |  | PROTO-CUNEIFORM SIGN TAK4-A NUTILLU             | 12A86 |  | PROTO-CUNEIFORM SIGN U4 TIMES EIGHT N01                |
| 12A60 |  | PROTO-CUNEIFORM SIGN TAK4-C                     | 12A87 |  | PROTO-CUNEIFORM SIGN U4 TIMES ONE N14                  |
| 12A61 |  | PROTO-CUNEIFORM SIGN TAR-A                      | 12A88 |  | PROTO-CUNEIFORM SIGN U4 TIMES ONE N14 PLUS ONE N01     |
| 12A62 |  | PROTO-CUNEIFORM SIGN TE                         | 12A89 |  | PROTO-CUNEIFORM SIGN U4 TIMES ONE N14 PLUS TWO N01     |
| 12A63 |  | PROTO-CUNEIFORM SIGN TI                         | 12A8A |  | PROTO-CUNEIFORM SIGN U4 TIMES ONE N14 PLUS FOUR N01    |
| 12A64 |  | PROTO-CUNEIFORM SIGN TI GUNU                    | 12A8B |  | PROTO-CUNEIFORM SIGN U4 TIMES ONE N14 PLUS EIGHT N01   |
| 12A65 |  | PROTO-CUNEIFORM SIGN TI REVERSED                | 12A8C |  | PROTO-CUNEIFORM SIGN U4 TIMES TWO N14 PLUS FOUR N01    |
| 12A66 |  | PROTO-CUNEIFORM SIGN TI TENU                    | 12A8D |  | PROTO-CUNEIFORM SIGN U4 TIMES THREE N14 PLUS TWO N01   |
| 12A67 |  | PROTO-CUNEIFORM SIGN TILLA2                     | 12A8E |  | PROTO-CUNEIFORM SIGN U4 TIMES THREE N14 PLUS SEVEN N01 |

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| 12A8F |  | PROTO-CUNEIFORM SIGN U4 TIMES ONE N57               | 12AB5 |  | PROTO-CUNEIFORM SIGN UKKIN-B TIMES THREE N01 |
| 12A90 |  | PROTO-CUNEIFORM SIGN U4 TIMES TWO N57               | 12AB6 |  | PROTO-CUNEIFORM SIGN UKKIN-B TIMES FIVE N01  |
| 12A91 |  | PROTO-CUNEIFORM SIGN U4 TIMES THREE N57             | 12AB7 |  | PROTO-CUNEIFORM SIGN UKKIN-C                 |
| 12A92 |  | PROTO-CUNEIFORM SIGN U4 TIMES FOUR N57              | 12AB8 |  | PROTO-CUNEIFORM SIGN UMBIN-A                 |
| 12A93 |  | PROTO-CUNEIFORM SIGN U4 TIMES FIVE N57              | 12AB9 |  | PROTO-CUNEIFORM SIGN UMBIN-B1                |
| 12A94 |  | PROTO-CUNEIFORM SIGN U4 TIMES SIX N57               | 12ABA |  | PROTO-CUNEIFORM SIGN UMBIN-B2                |
| 12A95 |  | PROTO-CUNEIFORM SIGN U4 TIMES SEVEN N57             | 12ABB |  | PROTO-CUNEIFORM SIGN UMBIN-C                 |
| 12A96 |  | PROTO-CUNEIFORM SIGN U4 TIMES EIGHT N57             | 12ABC |  | PROTO-CUNEIFORM SIGN UMUN2                   |
| 12A97 |  | PROTO-CUNEIFORM SIGN U4 TIMES TEN N57               | 12ABD |  | PROTO-CUNEIFORM SIGN UNUG-A                  |
| 12A98 |  | PROTO-CUNEIFORM SIGN U4 TIMES ONE N58 TENU          | 12ABE |  | PROTO-CUNEIFORM SIGN UNUG-A TIMES A TENU     |
| 12A99 |  | PROTO-CUNEIFORM SIGN U4 TENU                        | 12ABF |  | PROTO-CUNEIFORM SIGN UNUG-A SHESHIG          |
| 12A9A |  | PROTO-CUNEIFORM SIGN U8                             | 12AC0 |  | PROTO-CUNEIFORM SIGN UNUG-B                  |
| 12A9B |  | PROTO-CUNEIFORM SIGN U8 TIMES TAR-B                 | 12AC1 |  | PROTO-CUNEIFORM SIGN UNUG-C                  |
| 12A9C |  | PROTO-CUNEIFORM SIGN UB                             | 12AC2 |  | PROTO-CUNEIFORM SIGN UR-A                    |
| 12A9D |  | PROTO-CUNEIFORM SIGN UBI-A                          | 12AC3 |  | PROTO-CUNEIFORM SIGN UR-A GUNU               |
| 12A9E |  | PROTO-CUNEIFORM SIGN UBI-C                          | 12AC4 |  | PROTO-CUNEIFORM SIGN UR-B                    |
| 12A9F |  | PROTO-CUNEIFORM SIGN UBI-D                          | 12AC5 |  | PROTO-CUNEIFORM SIGN UR-C                    |
| 12AA0 |  | PROTO-CUNEIFORM SIGN UD5-A                          | 12AC6 |  | PROTO-CUNEIFORM SIGN UR2                     |
| 12AA1 |  | PROTO-CUNEIFORM SIGN UD5-A GUNU                     | 12AC7 |  | PROTO-CUNEIFORM SIGN UR2 TIMES TAR-C         |
| 12AA2 |  | PROTO-CUNEIFORM SIGN UD5-B                          | 12AC8 |  | PROTO-CUNEIFORM SIGN UR2 TIMES ONE N57       |
| 12AA3 |  | PROTO-CUNEIFORM SIGN UD5-C                          | 12AC9 |  | PROTO-CUNEIFORM SIGN UR3-A1                  |
| 12AA4 |  | PROTO-CUNEIFORM SIGN UDU-A                          | 12ACA |  | PROTO-CUNEIFORM SIGN UR3-A2                  |
| 12AA5 |  | PROTO-CUNEIFORM SIGN UDU-A TIMES TAR-A              | 12ACB |  | PROTO-CUNEIFORM SIGN UR3-A3                  |
| 12AA6 |  | PROTO-CUNEIFORM SIGN UDU-A TIMES TAR-B              | 12ACC |  | PROTO-CUNEIFORM SIGN UR3-B1                  |
| 12AA7 |  | PROTO-CUNEIFORM SIGN UDU-C                          | 12ACD |  | PROTO-CUNEIFORM SIGN UR3-B2                  |
| 12AA8 |  | PROTO-CUNEIFORM SIGN UDUNITA-A                      | 12ACE |  | PROTO-CUNEIFORM SIGN UR4-A                   |
| 12AA9 |  | PROTO-CUNEIFORM SIGN UDUNITA-B                      | 12ACF |  | PROTO-CUNEIFORM SIGN UR4-B                   |
| 12AAA |  | PROTO-CUNEIFORM SIGN UDUNITA-C                      | 12AD0 |  | PROTO-CUNEIFORM SIGN UR4-C                   |
| 12AAB |  | PROTO-CUNEIFORM SIGN UH3-A                          | 12AD1 |  | PROTO-CUNEIFORM SIGN UR5-A                   |
| 12AAC |  | PROTO-CUNEIFORM SIGN UH3-A TENU                     | 12AD2 |  | PROTO-CUNEIFORM SIGN UR5-B                   |
| 12AAD |  | PROTO-CUNEIFORM SIGN UH3-B                          | 12AD3 |  | PROTO-CUNEIFORM SIGN URI                     |
| 12AAE |  | PROTO-CUNEIFORM SIGN UKKIN-A                        | 12AD4 |  | PROTO-CUNEIFORM SIGN URI3-A                  |
| 12AAF |  | PROTO-CUNEIFORM SIGN UKKIN-B                        | 12AD5 |  | PROTO-CUNEIFORM SIGN URI5                    |
| 12AB0 |  | PROTO-CUNEIFORM SIGN UKKIN-B TIMES DIN              | 12AD6 |  | PROTO-CUNEIFORM SIGN URU-A1                  |
| 12AB1 |  | PROTO-CUNEIFORM SIGN UKKIN-B TIMES DIN PLUS ONE N01 | 12AD7 |  | PROTO-CUNEIFORM SIGN URU-A1 TIMES AMAR       |
| 12AB2 |  | PROTO-CUNEIFORM SIGN UKKIN-B TIMES HI GUNU-A        | 12AD8 |  | PROTO-CUNEIFORM SIGN URU-A1 TIMES HI GUNU-A  |
| 12AB3 |  | PROTO-CUNEIFORM SIGN UKKIN-B TIMES NI-A             | 12AD9 |  | PROTO-CUNEIFORM SIGN URU-A1 TIMES KI         |
| 12AB4 |  | PROTO-CUNEIFORM SIGN UKKIN-B TIMES TWO N01          | 12ADA |  | PROTO-CUNEIFORM SIGN URU-A1 TIMES NIMGIR     |
|       |  |   | 12ADB |  | PROTO-CUNEIFORM SIGN URU-A1 TIMES U4         |
|       |  |   | 12ADC |  | PROTO-CUNEIFORM SIGN URU-A1 TIMES THREE N57  |

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| 12ADD |  | PROTO-CUNEIFORM SIGN URU-A2               | 12B04 |  | PROTO-CUNEIFORM SIGN ZATU620             |
| 12ADE |  | PROTO-CUNEIFORM SIGN URU-A2 TIMES ONE N58 | 12B05 |  | PROTO-CUNEIFORM SIGN ZATU621-A           |
| 12ADF |  | PROTO-CUNEIFORM SIGN URU-A3 TIMES KALAM-A | 12B06 |  | PROTO-CUNEIFORM SIGN ZATU621-B           |
| 12AE0 |  | PROTO-CUNEIFORM SIGN URU-B1               | 12B07 |  | PROTO-CUNEIFORM SIGN ZATU621-C           |
| 12AE1 |  | PROTO-CUNEIFORM SIGN URU-B2               | 12B08 |  | PROTO-CUNEIFORM SIGN ZATU621-D           |
| 12AE2 |  | PROTO-CUNEIFORM SIGN URU-C                | 12B09 |  | PROTO-CUNEIFORM SIGN ZATU622             |
| 12AE3 |  | PROTO-CUNEIFORM SIGN URUDU-A              | 12B0A |  | PROTO-CUNEIFORM SIGN ZATU623             |
| 12AE4 |  | PROTO-CUNEIFORM SIGN URUDU-C              | 12B0B |  | PROTO-CUNEIFORM SIGN ZATU624-A           |
| 12AE5 |  | PROTO-CUNEIFORM SIGN URUDU-D              | 12B0C |  | PROTO-CUNEIFORM SIGN ZATU624-B           |
| 12AE6 |  | PROTO-CUNEIFORM SIGN URUDU GUNU-A         | 12B0D |  | PROTO-CUNEIFORM SIGN ZATU625             |
| 12AE7 |  | PROTO-CUNEIFORM SIGN URUDU GUNU-C         | 12B0E |  | PROTO-CUNEIFORM SIGN ZATU626-A           |
| 12AE8 |  | PROTO-CUNEIFORM SIGN URUDU GUNU-D         | 12B0F |  | PROTO-CUNEIFORM SIGN ZATU626-B           |
| 12AE9 |  | PROTO-CUNEIFORM SIGN USH-A                | 12B10 |  | PROTO-CUNEIFORM SIGN ZATU626-C           |
| 12AEA |  | PROTO-CUNEIFORM SIGN USH-A OVER USH-A     | 12B11 |  | PROTO-CUNEIFORM SIGN ZATU628-A           |
| 12AEB |  | PROTO-CUNEIFORM SIGN USH-B                | 12B12 |  | PROTO-CUNEIFORM SIGN ZATU628-B           |
| 12AEC |  | PROTO-CUNEIFORM SIGN USH-B TIMES TAR-C    | 12B13 |  | PROTO-CUNEIFORM SIGN ZATU629             |
| 12AED |  | PROTO-CUNEIFORM SIGN USH-B OVER USH-B     | 12B14 |  | PROTO-CUNEIFORM SIGN ZATU630             |
| 12AEE |  | PROTO-CUNEIFORM SIGN USHUR3-B1            | 12B15 |  | PROTO-CUNEIFORM SIGN ZATU631             |
| 12AEF |  | PROTO-CUNEIFORM SIGN USHUR3-B2            | 12B16 |  | PROTO-CUNEIFORM SIGN ZATU632-A           |
| 12AF0 |  | PROTO-CUNEIFORM SIGN UTUA-A               | 12B17 |  | PROTO-CUNEIFORM SIGN ZATU632-B           |
| 12AF1 |  | PROTO-CUNEIFORM SIGN UTUA-A TENU          | 12B18 |  | PROTO-CUNEIFORM SIGN ZATU633-A           |
| 12AF2 |  | PROTO-CUNEIFORM SIGN UTUA-B               | 12B19 |  | PROTO-CUNEIFORM SIGN ZATU633-B           |
| 12AF3 |  | PROTO-CUNEIFORM SIGN UTUL-A               | 12B1A |  | PROTO-CUNEIFORM SIGN ZATU635             |
| 12AF4 |  | PROTO-CUNEIFORM SIGN UTUL-B               | 12B1B |  | PROTO-CUNEIFORM SIGN ZATU636             |
| 12AF5 |  | PROTO-CUNEIFORM SIGN UTUL-C               | 12B1C |  | PROTO-CUNEIFORM SIGN ZATU637             |
| 12AF6 |  | PROTO-CUNEIFORM SIGN UTUL-D               | 12B1D |  | PROTO-CUNEIFORM SIGN ZATU639             |
| 12AF7 |  | PROTO-CUNEIFORM SIGN UZU                  | 12B1E |  | PROTO-CUNEIFORM SIGN ZATU641             |
| 12AF8 |  | PROTO-CUNEIFORM SIGN ZA-V                 | 12B1F |  | PROTO-CUNEIFORM SIGN ZATU642             |
| 12AF9 |  | PROTO-CUNEIFORM SIGN ZAG-A                | 12B20 |  | PROTO-CUNEIFORM SIGN ZATU643             |
| 12AFA |  | PROTO-CUNEIFORM SIGN ZAG-B                | 12B21 |  | PROTO-CUNEIFORM SIGN ZATU644-A           |
| 12AFB |  | PROTO-CUNEIFORM SIGN ZAG-C                | 12B22 |  | PROTO-CUNEIFORM SIGN ZATU644-B           |
| 12AFC |  | PROTO-CUNEIFORM SIGN ZAR-A                | 12B23 |  | PROTO-CUNEIFORM SIGN ZATU646             |
| 12AFD |  | PROTO-CUNEIFORM SIGN ZAR-B1               | 12B24 |  | PROTO-CUNEIFORM SIGN ZATU647             |
| 12AFE |  | PROTO-CUNEIFORM SIGN ZAR-B2               | 12B25 |  | PROTO-CUNEIFORM SIGN ZATU648             |
| 12AFF |  | PROTO-CUNEIFORM SIGN ZAR-C                | 12B26 |  | PROTO-CUNEIFORM SIGN ZATU649             |
| 12B00 |  | PROTO-CUNEIFORM SIGN ZI-A                 | 12B27 |  | PROTO-CUNEIFORM SIGN ZATU651             |
| 12B01 |  | PROTO-CUNEIFORM SIGN ZI-B                 | 12B28 |  | PROTO-CUNEIFORM SIGN ZATU651 TIMES AN    |
| 12B02 |  | PROTO-CUNEIFORM SIGN ZI-D                 | 12B29 |  | PROTO-CUNEIFORM SIGN ZATU651 TIMES EN-A  |
| 12B03 |  | PROTO-CUNEIFORM SIGN ZUBI-A               | 12B2A |  | PROTO-CUNEIFORM SIGN ZATU651 TIMES GAR   |
|       |  |   | 12B2B |  | PROTO-CUNEIFORM SIGN ZATU651 TIMES MA    |
|       |  |   | 12B2C |  | PROTO-CUNEIFORM SIGN ZATU651 TIMES NUN-A |
|       |  |   | 12B2D |  | PROTO-CUNEIFORM SIGN ZATU651 TIMES ZAR-C |

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| 12B2E |  | PROTO-CUNEIFORM SIGN ZATU651 GUNU               | 12B55 |  | PROTO-CUNEIFORM SIGN ZATU687                 |
| 12B2F |  | PROTO-CUNEIFORM SIGN ZATU659                    | 12B56 |  | PROTO-CUNEIFORM SIGN ZATU688-A               |
| 12B30 |  | PROTO-CUNEIFORM SIGN ZATU659 TIMES ONE N01      | 12B57 |  | PROTO-CUNEIFORM SIGN ZATU688-B               |
| 12B31 |  | PROTO-CUNEIFORM SIGN ZATU659 TIMES ONE N14      | 12B58 |  | PROTO-CUNEIFORM SIGN ZATU689                 |
| 12B32 |  | PROTO-CUNEIFORM SIGN ZATU659 TIMES ONE N58 TENU | 12B59 |  | PROTO-CUNEIFORM SIGN ZATU690                 |
| 12B33 |  | PROTO-CUNEIFORM SIGN ZATU662                    | 12B5A |  | PROTO-CUNEIFORM SIGN ZATU691                 |
| 12B34 |  | PROTO-CUNEIFORM SIGN ZATU662 TIMES ONE N14      | 12B5B |  | PROTO-CUNEIFORM SIGN ZATU692                 |
| 12B35 |  | PROTO-CUNEIFORM SIGN ZATU664                    | 12B5C |  | PROTO-CUNEIFORM SIGN ZATU693                 |
| 12B36 |  | PROTO-CUNEIFORM SIGN ZATU665                    | 12B5D |  | PROTO-CUNEIFORM SIGN ZATU693 TENU            |
| 12B37 |  | PROTO-CUNEIFORM SIGN ZATU666                    | 12B5E |  | PROTO-CUNEIFORM SIGN ZATU694-A               |
| 12B38 |  | PROTO-CUNEIFORM SIGN ZATU667                    | 12B5F |  | PROTO-CUNEIFORM SIGN ZATU694-B               |
| 12B39 |  | PROTO-CUNEIFORM SIGN ZATU668                    | 12B60 |  | PROTO-CUNEIFORM SIGN ZATU694-C               |
| 12B3A |  | PROTO-CUNEIFORM SIGN ZATU669                    | 12B61 |  | PROTO-CUNEIFORM SIGN ZATU694-D               |
| 12B3B |  | PROTO-CUNEIFORM SIGN ZATU672                    | 12B62 |  | PROTO-CUNEIFORM SIGN ZATU694-D TENU          |
| 12B3C |  | PROTO-CUNEIFORM SIGN ZATU674                    | 12B63 |  | PROTO-CUNEIFORM SIGN ZATU695                 |
| 12B3D |  | PROTO-CUNEIFORM SIGN ZATU675-A                  | 12B64 |  | PROTO-CUNEIFORM SIGN ZATU696                 |
| 12B3E |  | PROTO-CUNEIFORM SIGN ZATU675-B                  | 12B65 |  | PROTO-CUNEIFORM SIGN ZATU697-A               |
| 12B3F |  | PROTO-CUNEIFORM SIGN ZATU675-C                  | 12B66 |  | PROTO-CUNEIFORM SIGN ZATU697-B               |
| 12B40 |  | PROTO-CUNEIFORM SIGN ZATU675-D                  | 12B67 |  | PROTO-CUNEIFORM SIGN ZATU699-B               |
| 12B41 |  | PROTO-CUNEIFORM SIGN ZATU676-A                  | 12B68 |  | PROTO-CUNEIFORM SIGN ZATU700                 |
| 12B42 |  | PROTO-CUNEIFORM SIGN ZATU676-B                  | 12B69 |  | PROTO-CUNEIFORM SIGN ZATU701                 |
| 12B43 |  | PROTO-CUNEIFORM SIGN ZATU677-A                  | 12B6A |  | PROTO-CUNEIFORM SIGN ZATU702                 |
| 12B44 |  | PROTO-CUNEIFORM SIGN ZATU677-B                  | 12B6B |  | PROTO-CUNEIFORM SIGN ZATU703                 |
| 12B45 |  | PROTO-CUNEIFORM SIGN ZATU678                    | 12B6C |  | PROTO-CUNEIFORM SIGN ZATU705                 |
| 12B46 |  | PROTO-CUNEIFORM SIGN ZATU679                    | 12B6D |  | PROTO-CUNEIFORM SIGN ZATU706                 |
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| 12B4C |  | PROTO-CUNEIFORM SIGN ZATU681                    | 12B73 |  | PROTO-CUNEIFORM SIGN ZATU711                 |
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| 12B4E |  | PROTO-CUNEIFORM SIGN ZATU683-A                  | 12B75 |  | PROTO-CUNEIFORM SIGN ZATU713                 |
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| 12B50 |  | PROTO-CUNEIFORM SIGN ZATU684                    | 12B77 |  | PROTO-CUNEIFORM SIGN ZATU714 TIMES HI GUNU-A |
| 12B51 |  | PROTO-CUNEIFORM SIGN ZATU685                    | 12B78 |  | PROTO-CUNEIFORM SIGN ZATU717                 |
| 12B52 |  | PROTO-CUNEIFORM SIGN ZATU686-A                  | 12B79 |  | PROTO-CUNEIFORM SIGN ZATU718                 |
| 12B53 |  | PROTO-CUNEIFORM SIGN ZATU686-B                  | 12B7A |  | PROTO-CUNEIFORM SIGN ZATU719                 |
| 12B54 |  | PROTO-CUNEIFORM SIGN ZATU686-C                  | 12B7B |  | PROTO-CUNEIFORM SIGN ZATU720                 |
|       |  |   | 12B7C |  | PROTO-CUNEIFORM SIGN ZATU721                 |

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|-------|--|--|-------|--|--|
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| 12B7E |  | PROTO-CUNEIFORM SIGN ZATU723                 | 12BA5 |  | PROTO-CUNEIFORM SIGN ZATU752                           |
| 12B7F |  | PROTO-CUNEIFORM SIGN ZATU725                 | 12BA6 |  | PROTO-CUNEIFORM SIGN ZATU753                           |
| 12B80 |  | PROTO-CUNEIFORM SIGN ZATU726-A               | 12BA7 |  | PROTO-CUNEIFORM SIGN ZATU754                           |
| 12B81 |  | PROTO-CUNEIFORM SIGN ZATU726-C               | 12BA8 |  | PROTO-CUNEIFORM SIGN ZATU755-A                         |
| 12B82 |  | PROTO-CUNEIFORM SIGN ZATU726-D               | 12BA9 |  | PROTO-CUNEIFORM SIGN ZATU755-B                         |
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| 12B84 |  | PROTO-CUNEIFORM SIGN ZATU728                 | 12BAB |  | PROTO-CUNEIFORM SIGN ZATU757                           |
| 12B85 |  | PROTO-CUNEIFORM SIGN ZATU729                 | 12BAC |  | PROTO-CUNEIFORM SIGN ZATU758                           |
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| 12B87 |  | PROTO-CUNEIFORM SIGN ZATU732                 | 12BAE |  | PROTO-CUNEIFORM SIGN ZATU759 TIMES KU6-A               |
| 12B88 |  | PROTO-CUNEIFORM SIGN ZATU734                 | 12BAF |  | PROTO-CUNEIFORM SIGN ZATU759 TIMES KU6-A JOINING KU6-A |
| 12B89 |  | PROTO-CUNEIFORM SIGN ZATU735-A               | 12BB0 |  | PROTO-CUNEIFORM SIGN ZATU762-A                         |
| 12B8A |  | PROTO-CUNEIFORM SIGN ZATU735-B               | 12BB1 |  | PROTO-CUNEIFORM SIGN ZATU762-A TIMES NIM-A             |
| 12B8B |  | PROTO-CUNEIFORM SIGN ZATU735-C               | 12BB2 |  | PROTO-CUNEIFORM SIGN ZATU762-B                         |
| 12B8C |  | PROTO-CUNEIFORM SIGN ZATU736-A               | 12BB3 |  | PROTO-CUNEIFORM SIGN ZATU762-B TIMES AB-A              |
| 12B8D |  | PROTO-CUNEIFORM SIGN ZATU736-B               | 12BB4 |  | PROTO-CUNEIFORM SIGN ZATU764                           |
| 12B8E |  | PROTO-CUNEIFORM SIGN ZATU737                 | 12BB5 |  | PROTO-CUNEIFORM SIGN ZATU765                           |
| 12B8F |  | PROTO-CUNEIFORM SIGN ZATU737 TIMES AB-A      | 12BB6 |  | PROTO-CUNEIFORM SIGN ZATU766                           |
| 12B90 |  | PROTO-CUNEIFORM SIGN ZATU737 TIMES BU-A      | 12BB7 |  | PROTO-CUNEIFORM SIGN ZATU767                           |
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| 12B92 |  | PROTO-CUNEIFORM SIGN ZATU737 TIMES DI        | 12BB9 |  | PROTO-CUNEIFORM SIGN ZATU773-A                         |
| 12B93 |  | PROTO-CUNEIFORM SIGN ZATU737 TIMES EN-A      | 12BBA |  | PROTO-CUNEIFORM SIGN ZATU773-B                         |
| 12B94 |  | PROTO-CUNEIFORM SIGN ZATU737 TIMES EN-B      | 12BBB |  | PROTO-CUNEIFORM SIGN ZATU774                           |
| 12B95 |  | PROTO-CUNEIFORM SIGN ZATU737 TIMES GAR       | 12BBC |  | PROTO-CUNEIFORM SIGN ZATU775                           |
| 12B96 |  | PROTO-CUNEIFORM SIGN ZATU737 TIMES NI-A GUNU | 12BBD |  | PROTO-CUNEIFORM SIGN ZATU776                           |
| 12B97 |  | PROTO-CUNEIFORM SIGN ZATU737 TIMES NIMGIR    | 12BBE |  | PROTO-CUNEIFORM SIGN ZATU777                           |
| 12B98 |  | PROTO-CUNEIFORM SIGN ZATU737 TIMES SAL       | 12BBF |  | PROTO-CUNEIFORM SIGN ZATU778                           |
| 12B99 |  | PROTO-CUNEIFORM SIGN ZATU737 TIMES SU-A      | 12BC0 |  | PROTO-CUNEIFORM SIGN ZATU780                           |
| 12B9A |  | PROTO-CUNEIFORM SIGN ZATU737 TIMES SHE-A     | 12BC1 |  | PROTO-CUNEIFORM SIGN ZATU781                           |
| 12B9B |  | PROTO-CUNEIFORM SIGN ZATU737 TIMES SHITA-A1  | 12BC2 |  | PROTO-CUNEIFORM SIGN ZATU782                           |
| 12B9C |  | PROTO-CUNEIFORM SIGN ZATU737 TIMES U4        | 12BC3 |  | PROTO-CUNEIFORM SIGN ZATU783                           |
| 12B9D |  | PROTO-CUNEIFORM SIGN ZATU737 TIMES UNUG-A    | 12BC4 |  | PROTO-CUNEIFORM SIGN ZATU784                           |
| 12B9E |  | PROTO-CUNEIFORM SIGN ZATU749-A               | 12BC5 |  | PROTO-CUNEIFORM SIGN ZATU786                           |
| 12B9F |  | PROTO-CUNEIFORM SIGN ZATU749-B               | 12BC6 |  | PROTO-CUNEIFORM SIGN ZATU787                           |
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| 12BA1 |  | PROTO-CUNEIFORM SIGN ZATU750                 | 12BC8 |  | PROTO-CUNEIFORM SIGN ZATU791                           |
| 12BA2 |  | PROTO-CUNEIFORM SIGN ZATU751-A               | 12BC9 |  | PROTO-CUNEIFORM SIGN ZATU792                           |
| 12BA3 |  | PROTO-CUNEIFORM SIGN ZATU751-B               | 12BCA |  | PROTO-CUNEIFORM SIGN ZATU795                           |
|       |  |  | 12BCB |  | PROTO-CUNEIFORM SIGN ZATU797                           |

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|-------|--|--------------------------------|-------|--|--|
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| 12BCD |  | PROTO-CUNEIFORM SIGN ZATU799   | 12BE7 |  | PROTO-CUNEIFORM SIGN ZATU859               |
| 12BCE |  | PROTO-CUNEIFORM SIGN ZATU800   | 12BE8 |  | PROTO-CUNEIFORM NUMERIC SIGN TWO LAGAB-A   |
| 12BCF |  | PROTO-CUNEIFORM SIGN ZATU801   | 12BE9 |  | PROTO-CUNEIFORM NUMERIC SIGN THREE LAGAB-A |
| 12BD0 |  | PROTO-CUNEIFORM SIGN ZATU802   | 12BEA |  | PROTO-CUNEIFORM NUMERIC SIGN FOUR LAGAB-A  |
| 12BD1 |  | PROTO-CUNEIFORM SIGN ZATU802-B | 12BEB |  | PROTO-CUNEIFORM NUMERIC SIGN SIX LAGAB-A   |
| 12BD2 |  | PROTO-CUNEIFORM SIGN ZATU803   | 12BEC |  | PROTO-CUNEIFORM NUMERIC SIGN ONE N57       |
| 12BD3 |  | PROTO-CUNEIFORM SIGN ZATU804   | 12BED |  | PROTO-CUNEIFORM NUMERIC SIGN TWO N57       |
| 12BD4 |  | PROTO-CUNEIFORM SIGN ZATU806   | 12BEE |  | PROTO-CUNEIFORM NUMERIC SIGN THREE N57     |
| 12BD5 |  | PROTO-CUNEIFORM SIGN ZATU807   | 12BEF |  | PROTO-CUNEIFORM NUMERIC SIGN FOUR N57      |
| 12BD6 |  | PROTO-CUNEIFORM SIGN ZATU808   | 12BF0 |  | PROTO-CUNEIFORM NUMERIC SIGN FIVE N57      |
| 12BD7 |  | PROTO-CUNEIFORM SIGN ZATU809   | 12BF1 |  | PROTO-CUNEIFORM NUMERIC SIGN SIX N57       |
| 12BD8 |  | PROTO-CUNEIFORM SIGN ZATU810   | 12BF2 |  | PROTO-CUNEIFORM NUMERIC SIGN SEVEN N57     |
| 12BD9 |  | PROTO-CUNEIFORM SIGN ZATU811   | 12BF3 |  | PROTO-CUNEIFORM NUMERIC SIGN EIGHT N57     |
| 12BDA |  | PROTO-CUNEIFORM SIGN ZATU812   | 12BF4 |  | PROTO-CUNEIFORM NUMERIC SIGN NINE N57      |
| 12BDB |  | PROTO-CUNEIFORM SIGN ZATU813   | 12BF5 |  | PROTO-CUNEIFORM NUMERIC SIGN TEN N57       |
| 12BDC |  | PROTO-CUNEIFORM SIGN ZATU819   | 12BF6 |  | PROTO-CUNEIFORM NUMERIC SIGN ONE N58       |
| 12BDD |  | PROTO-CUNEIFORM SIGN ZATU832   | 12BF7 |  | PROTO-CUNEIFORM NUMERIC SIGN TWO N58       |
| 12BDE |  | PROTO-CUNEIFORM SIGN ZATU833   | 12BF8 |  | PROTO-CUNEIFORM NUMERIC SIGN THREE N58     |
| 12BDF |  | PROTO-CUNEIFORM SIGN ZATU834   | 12BF9 |  | PROTO-CUNEIFORM NUMERIC SIGN FOUR N58      |
| 12BE0 |  | PROTO-CUNEIFORM SIGN ZATU835   | 12BFA |  | PROTO-CUNEIFORM NUMERIC SIGN FIVE N58      |
| 12BE1 |  | PROTO-CUNEIFORM SIGN ZATU836   | 12BFB |  | PROTO-CUNEIFORM NUMERIC SIGN EIGHT N58     |
| 12BE2 |  | PROTO-CUNEIFORM SIGN ZATU847   | 12BFC |  | PROTO-CUNEIFORM NUMERIC SIGN NINE N58      |
| 12BE3 |  | PROTO-CUNEIFORM SIGN ZATU850   | 12BFD |  | PROTO-CUNEIFORM NUMERIC SIGN TEN N58       |
| 12BE4 |  | PROTO-CUNEIFORM SIGN ZATU851   | 12BFE |  | PROTO-CUNEIFORM NUMERIC SIGN TWELVE N58    |
| 12BE5 |  | PROTO-CUNEIFORM SIGN ZATU854   | 12BFF |  | PROTO-CUNEIFORM NUMERIC SIGN ONE N58 TENU  |

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## Appendices

Here we provide supporting documentation which exposes as much as possible of the decision-making processes and outcomes that are associated with the proposal.

**PCSL** Appendix A gives the Proto-Cuneiform Sign List (<http://oracc.org/pcsl>) condensed into a table which gives information on the entire PC signiary. The corpus instances are represented by distributional summaries; alignment with ZATU is provided in the main character box, and the published per-volume sign lists are represented in their own columns.

**Deferred Characters** Appendix B lists all of the characters that are not encoded because they occur only in unpublished texts.

**CDLI Names and PCSL** Appendix C provides a concordance of characters whose PCSL names differ substantively from the CDLI names..

**Excluded Characters** Appendices D to I give tables of characters according to the rationale for their exclusion.

**Sequences** Various relevant data about sequences are in Appendix J to L.

**Fonts** A brief description of the fonts provided with the proposal is given in Appendix M.

## A PCSL Table

The PCSL Table condenses the Proto-Cuneiform Sign List into a convenient overview of the entire Proto-Cuneiform repertoire and its various data sources. The contents of the columns are as follows:

**PCSL** The core PCSL data:

- the sign name and category tag are at the top of the case
- the distribution, Oracc ID (OID) and ZATU number, if any, are at the bottom of the case. The OID links to the PCSL project which in turn gives access to all instances of the sign.
- If the sign is proposed for encoding in PC25, the hex codepoint and reference glyph are given in the middle of the case.
- The tag codes are as follows:
 

|                                 |  |
|---------------------------------|--|
| ACN=Archaic Cuneiform Numbers   | PC25-bk=PC25-eligible but broken so no codepoint   |
| DEL=delete                      | PC25-sq=PC25-eligible but sequence so no codepoint |
| EDI=ED I/II                     | PC25=PC25 encoded                                  |
| NOT=not encoded                 | Pelm=planned for Proto-Elamite                     |
| NUM=number                      | UNP=occurs in unpublished texts only               |
| ORR=out-of-range number         | ZERO=zero occurrences.                             |
| ORR5=out-of-range Uruk V number |  |
- In the distribution summary, IV and III stand for Uruk IV and III periods, respectively; ‘p’ and ‘u’ for published and unpublished. Uruk V instances are not included.
- CDLI names either from print sources or in the CDLI-gh name list that have been adapted to PCSL conventions appear in this block with the prefix CDLI:.
- CDLI names used in the transliterated corpus which are handled using aliases in the validation data appear in this block with the prefix AKA:.

**FONT** The glyphs as given in PCSL.ttf, with their codepoints. Glyphs coloured blue are not included in the CDLI-gh collection. Subscript numbers before glyphs indicate the CVNN code for the variant, i.e., <sub>1</sub> = .cv01

**CDLI** The original CDLI-gh image, scaled from a 600dpi image set downloaded from the CDLI website in 2016.

**ATU3, ATU5, MSVO1, MSCO4, CUSAS** Glyphs as given in the sign lists of the relevant text editions, but drawn from the PCSL font. Glyphs in red differ in naming from CDLI-gh; (o) means that the instance has no variant code; (a), (b), etc., means that the instance has the given variant code.
















































| PCSL                                   |                  | FONT                     | CDLI  | ATU3 | ATU5  | MSVO1 | MSVO4 | CUSAS |
|--|------------------|--------------------------|-------|------|-------|-------|-------|-------|
| A<br>12690                             | }}<br>PC25       | }}<br>12690              | }}    | }}   | }}    | }}    | }}    |       |
| 584×<br>IV: 30p/17u;<br>III: 340p/183u | o0980000 ZATU001 | <sub>1</sub> }}<br>F207A |       | }}   | }}    | }}    | }}    |       |
| A×AB <sub>2</sub>                      | UNP              | <E <br>F2400             | <E    |      |       |       |       |       |
| 3× III: 3u                             | o0980001         |                          |       |      |       |       |       |       |
| A×AN                                   | EDI              | * <br>F24F2              | *     |      |       |       |       |       |
|  | o0980002         |                          |       |      |       |       |       |       |
| A×EN~a <br>12691                       | {m} }<br>PC25    | {m} }<br>12691           | {m} } |      | {m} } |       |       |       |
| 1× IV: 1p                              | o0980003 ZATU002 |                          |       |      |       |       |       |       |

| PCSL                                 |          | FONT    | CDLI                   | ATU3      | ATU5                   | MSVO1     | MSVO4     | CUSAS     |
|--------------------------------------|----------|---------|------------------------|-----------|------------------------|-----------|-----------|-----------|
| [A×SUBUR]<br>12692                   |          | PC25    |                        |           |                        |           |           |           |
| 1× IV: 1p                            | o0980004 | ZATU003 | 12692                  | 12692     | 12692                  |           |           |           |
| [A×ZATU672]<br>12693                 |          | PC25    |                        |           |                        |           |           |           |
| 1× IV: 1p                            | o0980005 | ZATU005 | 12693                  | 12693     | 12693                  |           |           |           |
| [A×1(N14)]<br>12694                  |          | PC25    |                        |           |                        |           |           |           |
| 1× IV: 1p                            | o0980006 | ZATU004 | 12694                  |           |                        |           |           |           |
| A@g                                  |          | EDI     |                        |           |                        |           |           |           |
|                                      | o0980007 |         | F24CC                  |           |                        |           |           |           |
| A@t                                  |          | UNP     |                        |           |                        |           |           |           |
| 1× III: 1u                           | o0980008 |         | F2401                  |           |                        |           |           |           |
| A <sub>2</sub><br>12695              |          | PC25    |                        |           |                        |           |           |           |
| 2× IV: 1p                            | o0980009 | ZATU006 | 12695                  | 12695     | 12695                  | 12695     |           |           |
| AB~a<br>12696                        |          | PC25    |                        |           |                        |           |           |           |
| 450×<br>IV: 31p/6u;<br>III: 315p/93u | o0980010 | ZATU007 | <br>12696<br><br>12696 | <br>12696 | <br>12696<br><br>F207B | <br>12696 | <br>12696 | <br>12696 |
| [AB~a×A@t]<br>12697                  |          | PC25    |                        |           |                        |           |           |           |
| 2× IV: 1p/1u                         | o0980011 |         | <br>12697<br><br>12697 | <br>12697 | <br>12697              |           |           |           |
| [AB~a×AŠ <sub>2</sub> ]<br>12698     |          | PC25    |                        |           |                        |           |           |           |
| 2× III: 2p                           | o0980012 | ZATU009 | <br>12698<br><br>12698 | <br>12698 | <br>F207D              |           |           |           |
| [AB~a×KU <sub>6</sub> ~a]<br>12699   |          | ZERO    |                        |           |                        |           |           |           |
|                                      | o0980013 | ZATU389 | F2402                  |           |                        |           |           |           |
| [AB~a×SUKKAL]<br>12699               |          | UNP     |                        |           |                        |           |           |           |
| 3× III: 3u                           | o0980014 |         | F2403                  |           |                        |           |           |           |
| [AB~a×(ŠE~a&ŠE~a)]<br>12699          |          | PC25    |                        |           |                        |           |           |           |
| 3× III: 3p                           | o0980015 |         | <br>12699<br><br>12699 | <br>12699 |                        |           |           | F207E     |
| [AB~a×X]<br>12699                    |          | ZERO    |                        |           |                        |           |           |           |
|                                      | o0980016 |         | F2404                  |           |                        |           |           |           |
| [AB~a×ZATU659]<br>1269A              |          | PC25    |                        |           |                        |           |           |           |
| 3× III: 3p                           | o0980017 | ZATU010 | 1269A                  | 1269A     | 1269A                  |           |           |           |
| [AB~a×1(N01)]<br>1269B               |          | ZERO    |                        |           |                        |           |           |           |
|                                      | o0980018 |         | F2405                  |           |                        |           |           |           |
| [AB~a×1(N04)]<br>1269B               |          | PC25    |                        |           |                        |           |           |           |
| 3× III: 3p                           | o0980019 |         | 1269B                  |           |                        |           |           | 1269B     |









































































| PCSL                              |                          | FONT          | CDLI                   | ATU3      | ATU5                   | MSVO1 | MSVO4 | CUSAS |
|-----------------------------------|--------------------------|---------------|------------------------|-----------|------------------------|-------|-------|-------|
| AB~a@g<br>1269C                   |                          | PC25<br>1269C |                        |           |                        |       |       |       |
| 3× IV: 1u; III: 1p/1u             | <a href="#">o0980020</a> | ZATU011       |                        |           |                        |       |       |       |
| AB~b<br>1269D                     |                          | PC25<br>1269D |                        |           |                        |       |       |       |
| 90× IV: 1p/2u;<br>III: 53p/32u    | <a href="#">o0980021</a> | ZATU007       |                        |           |                        |       |       |       |
| AB~b×A                            |                          | UNP<br>F2406  |                        |           |                        |       |       |       |
| 1× III: 1u                        | <a href="#">o0980022</a> | ZATU008       |                        |           |                        |       |       |       |
| AB~b×KU <sub>6</sub> ~a           |                          | UNP<br>F2407  |                        |           |                        |       |       |       |
| 1× III: 1u                        | <a href="#">o0980023</a> |               |                        |           |                        |       |       |       |
| AB~b×ŠA <sub>3</sub> ~a1          |                          | UNP<br>F2408  |                        |           |                        |       |       |       |
| 1× III: 1u                        | <a href="#">o0980024</a> |               |                        |           |                        |       |       |       |
| AB <sub>2</sub><br>1269E          |                          | PC25<br>1269E |                        |           |                        |       |       |       |
| 350× IV: 80p/7u;<br>III: 199p/51u | <a href="#">o0980025</a> | ZATU012       | <br>F207F<br><br>F2080 | <br>F2080 | <br>1269E<br><br>F207F |       |       |       |
| AB <sub>2</sub> ×2(N14) <br>1269F |                          | PC25<br>1269F |                        |           |                        |       |       |       |
| 2× IV: 2p                         | <a href="#">o0980026</a> | ZATU013       | <br>F2081<br>          |           |                        |       |       |       |
| AB <sub>2</sub> @g                |                          | UNP<br>F2525  |                        |           |                        |       |       |       |
| 1×                                | <a href="#">o0980027</a> |               |                        |           |                        |       |       |       |
| ABZU<br>126A0                     |                          | PC25<br>126A0 |                        |           |                        |       |       |       |
| 5× III: 5p                        | <a href="#">o0980030</a> | ZATU017       | <br>F2226<br>          |           |                        |       |       |       |
| AD~a<br>126A1                     |                          | PC25<br>126A1 |                        |           |                        |       |       |       |
| 51× III: 37p/14u                  | <a href="#">o0980031</a> | ZATU018       |                        |           |                        |       |       |       |
| AD~b<br>126A2                     |                          | PC25<br>126A2 |                        |           |                        |       |       |       |
| 3× IV: 1p; III: 2p                | <a href="#">o0980032</a> | ZATU018       |                        |           |                        |       |       |       |
| AD~c<br>126A3                     |                          | PC25<br>126A3 |                        |           |                        |       |       |       |
| 9× IV: 1p; III: 6p/2u             | <a href="#">o0980033</a> | ZATU018       |                        |           |                        |       |       |       |
| ADAB<br>126A4                     |                          | PC25<br>126A4 |                        |           |                        |       |       |       |
| 44× IV: 14p/4u;<br>III: 15p/9u    | <a href="#">o0980034</a> | ZATU019       | <br>F2086<br>          |           |                        |       |       |       |
| ADDA<br>126A5                     |                          | PC25<br>126A5 |                        |           |                        |       |       |       |
| 1× III: 1p                        | <a href="#">o0980035</a> | ZATU020       |                        |           |                        |       |       |       |

| PCSL  | FONT                              | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|-----------------------------------|------|------|------|-------|-------|-------|
| ADDA@t<br>o0980036  | ZERO<br>F2409                     |      |      |      |       |       |       |
| AGAR <sub>2</sub><br>126A6<br>18× III: 16p/2u<br>o0980037       | PC25<br>ZATU022<br>126A6          |      |      |      |       |       |       |
| AK~a<br>126A7<br>56× IV: 8p/1u;<br>III: 34p/12u<br>o0980038     | PC25<br>ZATU023<br>126A7          |      |      |      |       |       |       |
| AK~b<br>126A8<br>2× IV: 2p<br>o0980039                          | PC25<br>ZATU023<br>126A8          |      |      |      |       |       |       |
| AL<br>126A9<br>132× IV: 10p/3u;<br>III: 79p/39u<br>o0980040     | PC25<br>ZATU024<br>126A9          |      |      |      |       |       |       |
| ALAN~a<br>126AA<br>8× IV: 2u; III: 5p/1u<br>o0980041            | PC25<br>ZATU025<br>126AA          |      |      |      |       |       |       |
| ALAN~b<br>126AB<br>7× III: 4p/3u<br>o0980042                    | PC25<br>ZATU025<br>126AB          |      |      |      |       |       |       |
| ALAN~c<br>126AC<br>8× IV: 1u; III: 5p/2u<br>o0980043            | PC25<br>ZATU025<br>126AC          |      |      |      |       |       |       |
| ALAN~d<br>1× IV: 1u<br>o0980044                                 | UNP<br>ZATU025<br>F240A           |      |      |      |       |       |       |
| ALAN~e<br>126AD<br>2× III: 2p<br>o0980045                       | PC25<br>ZATU025<br>126AD          |      |      |      |       |       |       |
| ALAN~f<br>o0980046  | EDI<br>F24CD                      |      |      |      |       |       |       |
| ALIM<br>126AE<br>12× III: 10p/2u<br>o0980047                    | PC25<br>ZATU026<br>126AE          |      |      |      |       |       |       |
| AM~a<br>126AF<br>2× III: 2p<br>o0980048                         | PC25<br>ZATU027<br>126AF          |      |      |      |       |       |       |
| AM~b<br>126B0<br>2× III: 2p<br>o0980049                         | PC25<br>ZATU027<br>126B0          |      |      |      |       |       |       |
| AMA~a<br>126B1<br>105× IV: 16p/1u;<br>III: 60p/20u<br>o0980050  | PC25<br>ZATU028<br>126B1<br>F2087 | <br> | <br> | <br> | <br>  | <br>  |       |
| [AMA~a×E <sub>2</sub> ~a]<br>126B2<br>4× III: 3p/1u<br>o0980051 | PC25<br>126B2                     |      |      |      |       |       |       |






















































| PCSL                               |                          | FONT        | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|------------------------------------|--------------------------|-------------|------|------|------|-------|-------|-------|
| AMA~b<br>126B3                     |                          | PC25<br>    |      |      |      |       |       |       |
| 6× IV: 1p/1u; III: 4p              | <a href="#">o0980052</a> | ZATU028     |      |      |      |       |       |       |
| AMAR<br>126B4                      |                          | PC25<br>    |      |      |      |       |       |       |
| 164× IV: 21p/8u; III: 95p/29u      | <a href="#">o0980053</a> | ZATU029     |      |      |      |       |       |       |
| AMAR.1(N02)                        |                          | PC25-sq<br> |      |      |      |       |       |       |
| 2× III: 2p                         | <a href="#">o0980054</a> |             |      |      |      |       |       |       |
| AMAR×TAR~c<br>126B5                |                          | PC25<br>    |      |      |      |       |       |       |
| AKA:  AMAR×TAR <br>CDLI:  AMAR×TAR | <a href="#">o0980055</a> | ZATU030     |      |      |      |       |       |       |
| 1× IV: 1p                          |                          |             |      |      |      |       |       |       |
| AMAR&AMAR<br>126B6                 |                          | PC25<br>    |      |      |      |       |       |       |
| 1× IV: 1p                          | <a href="#">o0980056</a> |             |      |      |      |       |       |       |
| AMAR@g                             |                          | PC25-bk<br> |      |      |      |       |       |       |
| CDLI:  AMAR@g                      | <a href="#">o0980057</a> |             |      |      |      |       |       |       |
| 1× IV: 1p                          |                          |             |      |      |      |       |       |       |
| AN<br>126B7                        |                          | PC25<br>    |      |      |      |       |       |       |
| 992× IV: 104p/20u; III: 565p/274u  | <a href="#">o0980058</a> | ZATU031     |      |      |      |       |       |       |
| ANŠE~a<br>126B8                    |                          | PC25<br>    |      |      |      |       |       |       |
| 9× IV: 3p/2u; III: 3p/1u           | <a href="#">o0980059</a> | ZATU032     |      |      |      |       |       |       |
| ANŠE~b<br>126B9                    |                          | PC25<br>    |      |      |      |       |       |       |
| 32× IV: 1p/1u; III: 20p/9u         | <a href="#">o0980060</a> | ZATU032     |      |      |      |       |       |       |
| ANŠE~c<br>126BA                    |                          | PC25<br>    |      |      |      |       |       |       |
| 4× IV: 1p; III: 2p/1u              | <a href="#">o0980061</a> | ZATU032     |      |      |      |       |       |       |
| ANŠE~e<br>126BB                    |                          | PC25<br>    |      |      |      |       |       |       |
| 9× IV: 3p; III: 4p/2u              | <a href="#">o0980062</a> | ZATU032     |      |      |      |       |       |       |
| ANŠE~f<br>126BC                    |                          | PC25<br>    |      |      |      |       |       |       |
| 5× III: 5p                         | <a href="#">o0980063</a> | ZATU032     |      |      |      |       |       |       |

| PCSL  |         | FONT  | CDLI  | ATU3  | ATU5   | MSVO1   | MSVO4   | CUSAS |
|---|---------|---|---|---|--|---|---|-------|
| ANZU <sub>2</sub>                                 | EDI     |    |    |   |  |   |   |       |
|   |         | o0980064  | F222B   |   |  |   |   |       |
| APIN~a<br>126BD                                   | PC25    |    |    |    |    |    |    |       |
| AKA: APIN<br>230×<br>IV: 18p/5u;<br>III: 137p/65u |         | o0980065  | 126BD   | 126BD   | 126BD  | 126BD   | 126BD   |       |
| [APIN~a.APIN~a]                                   | PC25-sq |    |    |   |  |   |   |       |
| 1× IV: 1p   |         | o0980066  | F222C   |   |  |   |   |       |
| APIN~b<br>126BE                                   | PC25    |    |    |    |  |    |   |       |
| 13× III: 9p/3u                                    |         | o0980067  | 126BE   | 126BE   |  | 126BE   |   |       |
| APIN~c<br>126BF                                   | PC25    |    |    |    |  |   |   |       |
| 2× IV: 1p; III: 1p                                |         | o0980068  | 126BF   | 126BF   |  |   |   |       |
| ARARMA <sub>2</sub> ~a<br>126C0                   | PC25    |    |    |    |  |   |   |       |
| 12× III: 6p/5u                                    |         | o0980069  | F208C<br>126C0  | 126C0   |  |   |   |       |
| ASAL <sub>2</sub>                                 | EDI     |    |    |   |  |   |   |       |
|   |         | o0980072  | F24CE   |   |  |   |   |       |
| ASAR<br>126C1                                     | PC25    |  |  |  |  |   |   |       |
| 19× III: 17p/2u                                   |         | o0980073  | 126C1   | 126C1   |  |   |   |       |
| Aš <sub>2</sub>                                   | UNP     |  |  |   |  |   |   |       |
| 1× III: 1u  |         | o0980074  | F240C   |   |  |   |   |       |
| AZ<br>126C2                                       | PC25    |  |  |  |  |   |   |       |
| 21× III: 20p/1u                                   |         | o0980075  | 126C2   |   |  |   |   |       |
| AZU<br>126C3                                      | PC25    |  |  |  |  |   |   |       |
| 2× IV: 2p   |         | o0980076  | 126C3   |   | 126C3  |   |   |       |
| BA<br>126C4                                       | PC25    |  |  |  |  |  |  |       |
| 779×<br>IV: 108p/17u;<br>III: 429p/202u           |         | o0980077  | 126C4   | 126C4   | 126C4  | 126C4   | 126C4   |       |
| BAD<br>126C5                                      | PC25    |  |  |  |  |   |   |       |
| 104×<br>IV: 19p/3u;<br>III: 58p/23u               |         | o0980078  | 126C5   | 126C5   | 126C5  |   |   |       |
| [BAD&BAD]<br>126C6                                | PC25    |  |  |  |  |   |   |       |
| 42× IV: 1p/2u;<br>III: 27p/10u                    |         | o0980079  | 126C6   | 126C6   |  |   |   |       |














































































































| PCSL                                |   | FONT   | CDLI  | ATU3  | ATU5  | MSVO1   | MSVO4  | CUSAS |
|-------------------------------------|---|--|---|---|---|---|--|-------|
| <b>BAD<sub>3</sub>-a</b><br>126C7   |    | PC25<br><br>126C7   |    | <br>126C7  |   |   |  |       |
| 2× III: 2p                          | <a href="#">o0980080</a>  | ZATU044  |   |   |   |   |  |       |
| <b>BAD<sub>3</sub>-b1</b><br>126C8  |    | PC25<br><br>126C8   |    |   |   |   |  |       |
| 4× III: 1p/3u                       | <a href="#">o0980081</a>  | ZATU044  |   |   |   |   |  |       |
| <b>BAD<sub>3</sub>-b2</b><br>126C9  |    | PC25<br><br>126C9   |    |   |   |   |  |       |
| AKA:  EZEM~b×AN <br>4× III: 2p/1u   | <a href="#">o0980082</a>  | ZATU044  |   |   |   |   |  |       |
| <b>BAHAR<sub>2</sub>-a</b><br>126CA |    | PC25<br><br>126CA<br><br>F208D   | <br>  | <br>F208D  |   |   |  |       |
| 22× IV: 1p/2u;<br>III: 11p/6u       | <a href="#">o0980083</a>  | ZATU045  |   |   |   |   |  |       |
| <b>BAHAR<sub>2</sub>-b</b><br>126CB |    | PC25<br><br>F208E<br><br>126CB   | <br>  | <br>126CB  |   | <br>126CB  | <br>126CB   |       |
| 27× IV: 1p/1u;<br>III: 17p/8u       | <a href="#">o0980084</a>  | ZATU045  |   |   |   |   |  |       |
| <b>BAHAR<sub>2</sub>-c</b><br>126CC |    | PC25<br><br>126CC   |    |   |   | <br>126CC  | <br>126CC   |       |
| 19× III: 14p/5u                     | <a href="#">o0980085</a>  | ZATU045  |   |   |   |   |  |       |
| <b>BALA~a</b><br>126CD              |   | PC25<br><br>126CD  |   | <br>126CD   | <br>126CD (b)  | <br>126CD |  |       |
| 19× III: 18p/1u                     | <a href="#">o0980086</a>  | ZATU046  |   |   |   |   |  |       |
| <b>BALA~b</b><br>126CE              |  | PC25<br><br>F208F<br><br>126CE   | <br>  |   |   |   |  |       |
| 2× IV: 1p; III: 1p                  | <a href="#">o0980087</a>  | ZATU046  |   |   |   |   |  |       |
| <b>BALAG</b><br>126CF               |  | PC25<br><br>126CF<br><br>F2090   | <br>  | <br>F2090  | <br>126CF<br><br>F2090  |   |  |       |
| 20× IV: 7p/1u;<br>III: 9p/3u        | <a href="#">o0980088</a>  | ZATU047  |   |   |   |   |  |       |
| <b>BAN~a</b><br>126D0               |  | PC25<br><br>F2091<br><br>F2092<br><br>126D0 | <br><br> | <br><br> | <br>F2091<br><br>F2092<br><br>126D0 |   |  |       |
| 17× IV: 8p/1u;<br>III: 6p/2u        | <a href="#">o0980089</a>  | ZATU048  |   |   |   |   |  |       |
| <b>BAN~b</b><br>126D1               |  | PC25<br><br>126D1   |    | <br>126D1  |   |   | <br>126D1 |       |
| 16× IV: 1u;<br>III: 2p/13u          | <a href="#">o0980090</a>  | ZATU048  |   |   |   |   |  |       |
| <b>BANŠUR~a</b><br>126D2            |  | PC25<br><br>126D2   |    |   |   | <br>126D2 |  |       |
| 1× IV: 1p                           | <a href="#">o0980091</a>  | ZATU049  |   |   |   |   |  |       |
| <b>BANŠUR~a@t</b><br>126D3          |  | PC25<br><br>126D3   |    |   |   |   |  |       |
| 1× IV: 1p                           | <a href="#">o0980092</a>  |  |   |   |   |   |  |       |

| PCSL                                   |                          | FONT    | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|--------------------------|---------|------|------|------|-------|-------|-------|
| <b>BANŠUR~b1</b><br>126D4              |                          | PC25    |      |      |      |       |       |       |
| 3× III: 2p/1u                          | <a href="#">o0980093</a> | ZATU049 |      |      |      |       |       |       |
| <b>BANŠUR~b2</b><br>126D5              |                          | PC25    |      |      |      |       |       |       |
| 1× III: 1p                             | <a href="#">o0980094</a> | ZATU049 |      |      |      |       |       |       |
| <b>BANŠUR~c</b><br>126D6               |                          | PC25    |      |      |      |       |       |       |
| 2× III: 2p                             | <a href="#">o0980095</a> | ZATU049 |      |      |      |       |       |       |
| <b>BAPPIR~a</b><br>126D7               |                          | PC25    |      |      |      |       |       |       |
| 4× III: 3p/1u                          | <a href="#">o0980096</a> | ZATU050 |      |      |      |       |       |       |
| <b>BAPPIR~b</b><br>126D8               |                          | PC25    |      |      |      |       |       |       |
| 3× III: 3p                             | <a href="#">o0980097</a> | ZATU050 |      |      |      |       |       |       |
| <b>BAPPIR~c</b><br>126D9               |                          | PC25    |      |      |      |       |       |       |
| 1× III: 1p                             | <a href="#">o0980098</a> | ZATU050 |      |      |      |       |       |       |
| <b>BAPPIR~d</b><br>126DA               |                          | PC25    |      |      |      |       |       |       |
| 6× III: 6p                             | <a href="#">o0980099</a> | ZATU050 |      |      |      |       |       |       |
| <b>BAPPIR~e</b><br>126DB               |                          | PC25    |      |      |      |       |       |       |
| 1× III: 1p                             | <a href="#">o0980100</a> | ZATU050 |      |      |      |       |       |       |
| <b>BAPPIR~f</b><br>126DC               |                          | PC25    |      |      |      |       |       |       |
| 1× III: 1p                             | <a href="#">o0980101</a> | ZATU050 |      |      |      |       |       |       |
| <b>BAR</b><br>126DD                    |                          | PC25    |      |      |      |       |       |       |
| 426×<br>IV: 27p/13u;<br>III: 267p/113u | <a href="#">o0980102</a> | ZATU051 |      |      |      |       |       |       |
| <b> BAR×URI<sub>3</sub>~a </b>         |                          | NOT     |      |      |      |       |       |       |
|  | <a href="#">o0980103</a> |         |      |      |      |       |       |       |
| <b> BAR×UŠ~a </b>                      |                          | NOT     |      |      |      |       |       |       |
|  | <a href="#">o0980104</a> |         |      |      |      |       |       |       |
| <b>BARA<sub>2</sub>~a</b><br>126DE     |                          | PC25    |      |      |      |       |       |       |
| 75× IV: 13p/5u;<br>III: 33p/13u        | <a href="#">o0980105</a> | ZATU052 |      |      |      |       |       |       |
| <b>BARA<sub>2</sub>~b</b><br>126DF     |                          | PC25    |      |      |      |       |       |       |
| 4× IV: 4p                              | <a href="#">o0980106</a> | ZATU052 |      |      |      |       |       |       |
| <b>BARA<sub>3</sub></b><br>126E0       |                          | PC25    |      |      |      |       |       |       |
| 18× III: 15p/3u                        | <a href="#">o0980107</a> | ZATU053 |      |      |      |       |       |       |
| <b>BAU405</b>                          |                          | EDI     |      |      |      |       |       |       |
| CDLI:  UET <sub>2</sub> .405           | <a href="#">o0980108</a> |         |      |      |      |       |       |       |

































































| PCSL  | FONT   | CDLI  | ATU3  | ATU5   | MSVO1   | MSVO4   | CUSAS   |
|---|--|---|---|--|---|---|---|
| <b>BIR~a</b><br>126E1   |  PC25   |  126E1   |  126E1   |  126E1   |   |   |   |
| 6× IV: 3p; III: 1p/1u<br><b>o0980109</b> ZATU054  |  |   |   |  |   |   |   |
| <b>BIR~b</b><br>126E2   |  PC25   |  126E2   |   |  126E2   |   |   |   |
| 1× IV: 1p<br><b>o0980110</b> ZATU054  |  |   |   |  |   |   |   |
| <b>BIR~c</b><br>126E3   |  PC25   |  126E3   |  126E3   |  |   |   |   |
| 1× IV: 1p<br><b>o0980111</b> ZATU054  |  |   |   |  |   |   |   |
| <b>BIR<sub>3</sub>~a</b><br>126E4   |  PC25   |  126E4   |   |  F2095   |   |  126E4   |   |
| 18× IV: 1p;<br>III: 14p/3u<br><b>o0980112</b> ZATU055                                       |  |   |   |  |   |   |   |
| <b>BIR<sub>3</sub>~b</b><br>126E5   |  PC25   |  126E5   |   |  F2096   |   |   |   |
| 7× IV: 3p; III: 1p/3u<br><b>o0980113</b> ZATU055  |  |   |   |  |   |   |   |
| <b>BIR<sub>3</sub>~c</b><br>126E6   |  PC25   |  126E6   |   |  126E6    |   |  F2097   |   |
| 4× III: 4p<br><b>o0980114</b> ZATU055   |  |   |   |  |   |   |   |
| <b>BU~a</b><br>126E7  |  PC25   |  126E7   |  126E7   |  F2098   |  126E7   |  126E7   |   |
| 568× IV: 44p/6u;<br>III: 349p/153u<br><b>o0980115</b> ZATU056                               |  |   |   |  |   |   |   |
| <b>[(BU~a.DU<sub>6</sub>~a)&amp;(BU~a.DU<sub>6</sub>~a)]&gt;UDU~a]</b>                      | ZERO   |  F2523   |   |  |   |   |  F2523   |
| <b>[BU~a+DU<sub>6</sub>~a]</b><br>126E8   |  PC25 |  126E8 |  126E8 |  F2099 |  126E8 |  126E8 |   |
| AKA: [BU~a.DU <sub>6</sub> ~a]<br>61× IV: 3p/1u;<br>III: 45p/10u<br><b>o0980117</b> ZATU059 |  |   |   |  |   |   |   |
| <b>[BU~a+KI]</b><br>126E9   |  PC25 |  126E9 |   |  |   |   |  126E9 |
| 1× III: 1p<br><b>o0980118</b>   |  |   |   |  |   |   |   |
| <b>[BU~a+TU~b]</b>  | ZERO   |  F2526 |   |  |   |   |  F2526 |
| <b>[BU~a×A]</b><br>126EA  |  PC25 |  126EA |  126EA |  126EA |   |  126EA |   |
| 2× IV: 1p; III: 1p<br><b>o0980120</b> ZATU057   |  |   |   |  |   |   |   |
| <b>[BU~a×GIŠ@t]</b>   | UNP  |  F240D |  126E9 |  |   |   |   |
| 1× III: 1u<br><b>o0980121</b>   |  |   |   |  |   |   |   |
| <b>[BU~a×1(N58)]</b>  | UNP  |  F240E |  126E9 |  |   |   |   |
| 1× III: 1u<br><b>o0980122</b>   |  |   |   |  |   |   |   |
| <b>[(BU~a&amp;BU~a).NA<sub>2</sub>~a]</b><br>126EB  |  PC25 |  126EB |  F209A |  126EB |   |   |   |
| 8× IV: 1p; III: 7p<br><b>o0980123</b> ZATU058   |  |   |   |  |   |   |   |

| PCSL  | FONT                                   | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|--|------|------|------|-------|-------|-------|
| <b> (BU~a&amp;BU~a).NA<sub>2</sub>~b </b><br>o0982241 ZATU058   | DEL<br>F209B                           |      |      |      |       |       |       |
| <b> (BU~a&amp;BU~a).X </b><br>1x o0980124   | PC25-bk<br>F240F                       |      |      |      |       |       |       |
| <b> (BU~a%BU~a).NA<sub>2</sub>~a@n </b><br>126EC<br>  | PC25<br>126EC<br>F209B<br>2 F209C      |      |      |      |       |       |       |
| AKA:  (BU~a&BU~a).NA <sub>2</sub> ~a@n <br>CDLI:  (BU~a&BU~a).NA <sub>2</sub> ~a@n <br>2x IV: 1p o0980125 |  |      |      |      |       |       |       |
| <b>BU~b</b><br>126ED<br>  | PC25<br>126ED ZATU056                  |      |      |      |       |       |       |
| 40x IV: 2p;<br>III: 22p/15u o0980126  |  |      |      |      |       |       |       |
| <b> BU~b.KALAM~a </b><br>AKA: KITI<br>CDLI: KITI<br>26x III: 12p/14u o0980692 ZATU299                     | PC25-sq<br>1 F2116<br>F2115<br>2 F2117 |      |      |      |       |       |       |
| AKA: KITI<br>CDLI: KITI<br>26x III: 12p/14u o0980692 ZATU299  |  |      |      |      |       |       |       |
| <b> BU~b.NA<sub>2</sub>~a </b><br>1x III: 1u o0980127   | UNP<br>F222D                           |      |      |      |       |       |       |
| <b>BU<sub>3</sub></b><br>126EE<br>  | PC25<br>126EE ZATU060                  |      |      |      |       |       |       |
| AKA: BU <sub>3</sub> ~a<br>30x III: 24p/6u o0980128   |  |      |      |      |       |       |       |
| <b>BULUG</b><br>126EF<br>   | PC25<br>126EF ZATU061                  |      |      |      |       |       |       |
| 4x IV: 1p/1u o0980129   |  |      |      |      |       |       |       |
| <b>BULUG<sub>3</sub></b><br>126F0<br>   | PC25<br>126F0 ZATU062                  |      |      |      |       |       |       |
| 35x III: 30p/5u o0980130  |  |      |      |      |       |       |       |
| <b> BULUG<sub>3</sub>.DU<sub>6</sub>~a </b><br>o0980131   | ZERO<br>F222E                          |      |      |      |       |       |       |
| <b>BUR~a</b><br>126F1<br>   | PC25<br>126F1 ZATU063                  |      |      |      |       |       |       |
| 37x IV: 1u;<br>III: 27p/9u o0980132   |  |      |      |      |       |       |       |
| <b>BUR~b</b><br>126F2<br>   | PC25<br>126F2 ZATU063                  |      |      |      |       |       |       |
| 8x IV: 1p; III: 7p o0980133   |  |      |      |      |       |       |       |
| <b>BUR~c</b><br>126F3<br>   | PC25<br>126F3 ZATU063                  |      |      |      |       |       |       |
| 1x IV: 1p o0980134  |  |      |      |      |       |       |       |
| <b>BUR~d</b><br>126F4<br>   | PC25<br>126F4 ZATU063                  |      |      |      |       |       |       |
| 1x III: 1p o0980135   |  |      |      |      |       |       |       |

| PCSL                              |   | FONT   | CDLI  | ATU3   | ATU5  | MSVO1  | MSVO4  | CUSAS |
|-----------------------------------|---|--|---|--|---|--|--|-------|
| <b>BUR<sub>2</sub></b><br>126F5   |    | PC25<br><br>126F5   |    | <br>126F5   |   |  |  |       |
| 52× IV: 2p/2u;<br>III: 33p/13u    | <a href="#">o0980136</a>  | ZATU064  |   |  |   |  |  |       |
| <b>DA~a</b><br>126F6              |    | PC25<br><br>126F6   |    | <br>126F6   | <br>126F6 | <br>126F6   | <br>126F6   |       |
| 243× IV: 22p/5u;<br>III: 138p/74u | <a href="#">o0980137</a>  | ZATU065  |   |  |   |  |  |       |
| <b> DA~a.LIŠ </b>                 |   | UNP<br><br>F222F    |    |  |   |  |  |       |
| 1× III: 1u                        | <a href="#">o0980138</a>  |  |   |  |   |  |  |       |
| <b>DA~b</b><br>126F7              |    | PC25<br><br>126F7   |    | <br>126F7   | <br>126F7 |  |  |       |
| 6× IV: 4p                         | <a href="#">o0980139</a>  | ZATU065  |   |  |   |  |  |       |
| <b>DA~c</b><br>126F8              |    | PC25<br><br>126F8   |    |  | <br>126F8 |  |  |       |
| 2× IV: 2p                         | <a href="#">o0980140</a>  | ZATU065  |   |  |   |  |  |       |
| <b>DA~d</b><br>126F9              |    | PC25<br><br>126F9   |    |  | <br>126F9 |  |  |       |
| 1× IV: 1p                         | <a href="#">o0980141</a>  | ZATU065  |   |  |   |  |  |       |
| <b>DAG</b>                        |   | EDI<br><br>F24CF    |    |  |   |  |  |       |
|                                   | <a href="#">o0980142</a>  |  |   |  |   |  |  |       |
| <b>DAH</b><br>126FA               |    | PC25<br><br>126FA   |    |  | <br>126FA | <br>126FA   | <br>126FA   |       |
| 26× IV: 1p;<br>III: 21p/4u        | <a href="#">o0980143</a>  | ZATU066  |   |  |   |  |  |       |
| <b>DAM</b><br>126FB               |  | PC25<br><br>126FB |  | <br>126FB |   |  |  |       |
| 14× III: 14p                      | <a href="#">o0980144</a>  | ZATU067  |   |  |   |  |  |       |
| <b>DANNA</b><br>126FC             |  | PC25<br><br>126FC |  |  |   |  |  |       |
| 9× IV: 1p; III: 3p/5u             | <a href="#">o0980145</a>  | ZATU068  |   |  |   |  |  |       |
| <b>DAR~a</b><br>126FD             |  | PC25<br><br>126FD |  | <br>126FD |   |  | <br>126FD |       |
| 25× III: 14p/11u                  | <a href="#">o0980146</a>  | ZATU069  |   |  |   |  |  |       |
| <b> DAR~a×A </b><br>126FE         |  | PC25<br><br>126FE |  |  |   |  |  |       |
| 1× III: 1p                        | <a href="#">o0980147</a>  |  |   |  |   |  |  |       |
| <b>DAR~b</b><br>126FF             |  | PC25<br><br>126FF |  |  |   | <br>126FF |  |       |
| 27× III: 12p/15u                  | <a href="#">o0980148</a>  | ZATU069  |   |  |   |  |  |       |
| <b>DAR~c</b><br>12700             |  | PC25<br><br>12700 |  | <br>12700 |   |  |  |       |
| 6× III: 4p/2u                     | <a href="#">o0980149</a>  | ZATU069  |   |  |   |  |  |       |
| <b>DAR~d</b>                      |   | UNP<br><br>F2410  |  |  |   |  |  |       |
| 1× III: 1u                        | <a href="#">o0980150</a>  | ZATU069  |   |  |   |  |  |       |

| PCSL   |   | FONT    | CDLI  | ATU3  | ATU5   | MSVO1 | MSVO4   | CUSAS |
|--|---|---------|---|---|--|-------|---|-------|
| <b>DARA<sub>3</sub>-a</b><br>12701   |    | PC25    |    |    |    |       |   |       |
| 4× IV: 3p; III: 1u   | <a href="#">o0980151</a>  | ZATU070 | 12701   | 12701   | 12701  |       |   |       |
| <b>DARA<sub>3</sub>-b</b><br>12702   |    | PC25    |    |    |    |       |   |       |
| 1× IV: 1p  | <a href="#">o0980152</a>  | ZATU070 | 12702   |   | 12702  |       |   |       |
| <b>DARA<sub>3</sub>-c</b><br>12703   |    | PC25    |    |    |     |       |   |       |
| 7× IV: 1p; III: 4p/2u  | <a href="#">o0980153</a>  | ZATU070 | 12703<br>F209D  |   | 12703  |       |   |       |
| <b> DARA<sub>3</sub>-c×KAR<sub>2</sub> </b><br>12704   |    | PC25    |    |    |  |       |    |       |
| 3× III: 2p/1u  | <a href="#">o0980154</a>  | ZATU071 | 12704<br>F209E  |   |  |       | F209E   |       |
| <b> DARA<sub>3</sub>-c×(KAR<sub>2</sub>ŠE~a) </b><br>12705   |    | PC25    |    |    |    |       |   |       |
| 1× IV: 1p  | <a href="#">o0980155</a>  | ZATU072 | 12705   |   | 12705  |       |   |       |
| <b>DARA<sub>3</sub>-d</b><br>12706   |    | PC25    |    |    |     |       |   |       |
| 1× III: 1p   | <a href="#">o0980156</a>  | ZATU070 | 12706   |   | 12706  |       |   |       |
| <b> DARA<sub>3</sub>-d×(KAR<sub>2</sub>ŠE~a) </b><br>12707   |  | PC25    |  |  |  |       |   |       |
| 1× III: 1p   | <a href="#">o0980157</a>  | ZATU072 | 12707   |   |  |       |   |       |
| <b> DARA<sub>3</sub>-d×KAR<sub>2</sub>-b </b><br>12708   |  | PC25    |  |  |   |       |   |       |
| AKA:  DARA <sub>3</sub> -d×KAR <sub>2</sub>    DARA <sub>3</sub> -d×KAR <sub>2</sub>  <br>CDLI:  DARA <sub>3</sub> -d×KAR <sub>2</sub> |   |         | 1 F209F<br>12708<br>2 F20A0   |   | 12708  |       | F209F   |       |
| 8× IV: 2p; III: 2p/3u  | <a href="#">o0980158</a>  | ZATU071 |   |   |  |       |   |       |
| <b>DARA<sub>4</sub>-a1</b><br>12709  |  | PC25    |  |  |   |       |  |       |
| 31× IV: 2p;<br>III: 23p/4u   | <a href="#">o0980159</a>  | ZATU073 | 12709   |   | 12709  |       | 12709   |       |
| <b>DARA<sub>4</sub>-a2</b><br>1270A  |  | PC25    |  |  |  |       |   |       |
| 3× IV: 3p  | <a href="#">o0980160</a>  | ZATU073 | 1270A   |   | 1270A  |       |   |       |
| <b>DARA<sub>4</sub>-a3</b><br>1270B  |  | PC25    |  |  |   |       |   |       |
| 2× IV: 1p/1u   | <a href="#">o0980161</a>  | ZATU073 | 1270B   |   | 1270B  |       |   |       |
| <b>DARA<sub>4</sub>-b</b><br>1270C   |  | PC25    |  |  |  |       |   |       |
| 6× IV: 3p/1u;<br>III: 1p/1u  | <a href="#">o0980162</a>  | ZATU073 | 1270C   |   | 1270C  |       | 1270C   |       |

| PCSL                                |                          | FONT    | CDLI                    | ATU3  | ATU5  | MSVO1 | MSVO4 | CUSAS |
|-------------------------------------|--------------------------|---------|-------------------------|-------|-------|-------|-------|-------|
| <b>DARA<sub>4</sub>-c</b><br>1270D  |                          | PC25    |                         |       |       |       |       |       |
| 1× III: 1p                          | <a href="#">o0980163</a> | ZATU073 | 1270D                   |       |       |       |       | 1270D |
| <b>DARA<sub>4</sub>-c1</b><br>1270E |                          | PC25    |                         |       |       |       |       |       |
| 19× IV: 1p; III: 9p/9u              | <a href="#">o0980164</a> | ZATU073 | 1270E                   | 1270E | 1270E |       | 1270E |       |
| <b>DARA<sub>4</sub>-c2</b><br>1270F |                          | PC25    |                         |       |       |       |       |       |
| 27× IV: 3p;<br>III: 17p/7u          | <a href="#">o0980165</a> | ZATU073 | 1270F                   |       |       |       |       |       |
| <b>DARA<sub>4</sub>-c3</b><br>12710 |                          | PC25    |                         |       |       |       |       |       |
| 5× III: 3p/1u                       | <a href="#">o0980166</a> | ZATU073 | 12710                   |       |       |       |       |       |
| <b>DARA<sub>4</sub>-c4</b><br>12711 |                          | PC25    |                         |       |       |       |       |       |
| 11× III: 7p/4u                      | <a href="#">o0980167</a> | ZATU073 | 12711                   |       |       |       |       |       |
| <b>DARA<sub>4</sub>-c5</b><br>12712 |                          | PC25    |                         |       |       |       |       |       |
| 1× III: 1p                          | <a href="#">o0980168</a> | ZATU073 | 12712                   |       |       |       |       |       |
| <b>DARA<sub>4</sub>-d</b><br>12713  |                          | PC25    |                         |       |       |       |       |       |
| 1× III: 1p                          | <a href="#">o0980169</a> | ZATU073 | 12713                   |       |       |       |       | 12713 |
| <b>DI</b><br>12714                  |                          | PC25    |                         |       |       |       |       |       |
| 128× IV: 16p/3u;<br>III: 70p/35u    | <a href="#">o0980170</a> | ZATU075 | 12714                   | 12714 | 12714 | 12714 | 12714 | 12714 |
| <b>DI@t</b><br>12715                |                          | PC25    |                         |       |       |       |       |       |
| 3× IV: 1p; III: 1p/1u               | <a href="#">o0980171</a> |         | 12715                   |       | 12715 |       |       |       |
| <b>DIB</b><br>12716                 |                          | PC25    | <br><br>                |       |       |       |       |       |
| 5× IV: 2p; III: 3p                  | <a href="#">o0980172</a> | ZATU076 | 12716<br>F20A1<br>F20A2 |       | F20A1 | 12716 | F20A2 |       |
| <b>DILMUN</b><br>12717              |                          | PC25    | <br><br>                |       |       |       |       |       |
| 34× IV: 1p;<br>III: 25p/8u          | <a href="#">o0980173</a> | ZATU077 | F20A3<br>12717<br>F20A4 |       | 12717 | F20A3 |       |       |
| <b>DIM~a</b><br>12718               |                          | PC25    | <br>                    |       |       |       |       |       |
| 56× IV: 5p;<br>III: 25p/22u         | <a href="#">o0980174</a> | ZATU078 | 12718<br>F20A5          |       | 12718 | F20A5 | 12718 |       |
| <b>[DIM~a×GU]</b>                   |                          | EDI     |                         |       |       |       |       |       |
|                                     | <a href="#">o0980175</a> |         | F24F3                   |       |       |       |       |       |

| PCSL  |   | FONT  | CDLI  | ATU3  | ATU5  | MSVO1   | MSVO4   | CUSAS   |
|---|---|---|---|---|---|---|---|---|
| <b> DIM~a×X </b>  | EDI   |            |    |   |   |   |   |   |
| <b>DIM~b</b><br>12719   |    | PC25<br>   |    |   |   |   |   |   |
| 4× IV: 2p; III: 1p  | <a href="#">o0980176</a>  | ZATU078   |   |   |   |   |   |   |
| <b>DIM~c</b><br>1271A   |    | PC25<br>   |    |    |   |   |   |   |
| 21× IV: 2p;<br>III: 17p/2u  | <a href="#">o0980178</a>  | ZATU078   |   |   |   |   |   |   |
| <b>DIN</b><br>1271B   |    | PC25<br>   |    |    |   |    |  |   |
| 97× IV: 31p/13u;<br>III: 30p/20u  | <a href="#">o0980179</a>  | ZATU079   |   |   |   |   |   |   |
| <b> DIN×1(N58) </b><br>1271C  |    | PC25<br>   |    |   |   |   |   |  |
| AKA:  DIN+1(N57) <br>1× III: 1p   | <a href="#">o0980180</a>  |   |   |   |   |   |   |   |
| <b>DIN@t</b><br>1271D   |    | PC25<br>   |    |   |   |   |   |   |
| 3× IV: 1u; III: 1u  | <a href="#">o0980181</a>  | ZATU080   |   |   |   |   |   |   |
| <b>DU</b><br>1271E  |    | PC25<br>   |    |    |   |    |  |   |
| 481× IV: 18p/10u;<br>III: 292p/153u   | <a href="#">o0980182</a>  | ZATU082   |   |   |   |   |   |   |
| <b> DU.U<sub>4</sub>.1(N14).1(N08) </b>                                       | UNP   |   |  |  |   |   |   |   |
| AKA: E <sub>3</sub> ~a<br>CDLI: E <sub>3</sub> ~a<br>2× IV: 1u; III: 1u       | <a href="#">o0980306</a>  | ZATU132   |   |   |   |   |   |   |
| <b> DU×1(N58@t) </b><br>1271F   |  | PC25<br> |  |  |   |  |   |   |
| AKA:  DU×DIŠ <br>CDLI:  DU×DIŠ <br>3× III: 3p                                 | <a href="#">o0980183</a>  |   |   |   |   |   |   |   |
| <b>DU@g</b><br>12720  |  | PC25<br> |  |  |   |  |   |   |
| 4× III: 1p/3u   | <a href="#">o0980184</a>  |   |   |   |   |   |   |   |
| <b>DU<sub>6</sub>~a</b><br>12721  |  | PC25  |  |  |   |   |   |   |
| 15× IV: 1p;<br>III: 12p/1u  | <a href="#">o0980185</a>  | ZATU083   |  |  |  |  |   |   |
|   |   |   |  |  |   |   |   |   |
|   |   |   |  |  |   |   |   |   |
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|   |   |   |  |  |   |   |   |   |
|   |   |   |  |  |   |   |   |   |
| <b> DU<sub>6</sub>~a×1(N58) </b><br>12722                                     |  | PC25<br> |  |  |   |   |   |   |
| AKA:  DU <sub>6</sub> ~a×DIŠ <br>CDLI:  DU <sub>6</sub> ~a×DIŠ <br>1× III: 1p | <a href="#">o0980186</a>  |   |   |   |   |   |   |   |



| PCSL  | FONT            | CDLI                            | ATU3      | ATU5      | MSVO1     | MSVO4     | CUSAS     |
|---|-----------------|---------------------------------|-----------|-----------|-----------|-----------|-----------|
| <b>DU<sub>6</sub>~a@n</b><br>o0980187   | ZERO<br>F253A   |                                 |           |           |           |           |           |
| <b>DU<sub>6</sub>~b</b><br>12723<br>31× IV: 1p;<br>III: 25p/3u<br>o0980188                                | PC25<br>ZATU083 |                                 |           |           |           |           |           |
| <b>DU<sub>6</sub>~c</b><br>12724<br>1× IV: 1p<br>o0980189   | PC25<br>ZATU083 |                                 |           |           |           |           |           |
| <b>DU<sub>7</sub></b><br>12725<br>7× III: 4p/3u<br>o0980190   | PC25<br>ZATU084 |                                 |           |           |           |           |           |
| <b>DU<sub>8</sub>~a</b><br>12726<br>1× IV: 1p<br>o0980191   | PC25<br>ZATU085 |                                 |           |           |           |           |           |
| <b>DU<sub>8</sub>~b</b><br>12727<br>2× IV: 2p<br>o0980192   | PC25<br>ZATU085 | <br>12727<br><sup>1</sup> F20A9 |           |           | <br>12727 |           |           |
| <b>DU<sub>8</sub>~c</b><br>12728<br>40× IV: 6p;<br>III: 29p/5u<br>o0980193                                | PC25<br>ZATU085 | <br>12728                       |           |           | <br>12728 | <br>12728 |           |
| <b> DU<sub>8</sub>~c×AB<sub>2</sub> </b><br>12729<br>1× III: 1p<br>o0980194                               | PC25            | <br>12729                       |           |           |           |           | <br>12729 |
| <b> DU<sub>8</sub>~c×AMAR </b><br>1272A<br>8× III: 8p<br>o0980195   | PC25            | <br>1272A                       |           |           |           |           | <br>1272A |
| <b> DU<sub>8</sub>~c×HI </b><br>1272B<br>3× IV: 1p<br>o0980196  | PC25            | <br>1272B                       |           |           | <br>1272B |           |           |
| <b> DU<sub>8</sub>~c×UDU~a </b><br>1272C<br>8× III: 4p/4u<br>o0980197                                     | PC25            | <br>1272C                       |           | <br>1272C |           |           |           |
| <b> DU<sub>8</sub>~c×X </b><br>o0980198   | ZERO<br>F2411   |                                 |           |           |           |           |           |
| <b>DU<sub>8</sub>~c@g</b><br>1272D<br>AKA: DU <sub>8</sub> @g~c<br>21× IV: 1u;<br>III: 16p/4u<br>o0980199 | PC25<br>ZATU698 | <br>1272D<br><sup>1</sup> F20AA | <br>1272D | <br>1272D |           |           |           |
| <b>DUB~a</b><br>1272E<br>155×<br>IV: 5p/2u;<br>III: 102p/45u<br>o0980200                                  | PC25<br>ZATU086 | <br>1272E                       |           | <br>1272E | <br>1272E | <br>1272E | <br>1272E |



























































| PCSL  |                          | FONT  | CDLI  | ATU3      | ATU5  | MSVO1 | MSVO4 | CUSAS |
|---|--------------------------|---|-------|-----------|-------|-------|-------|-------|
| DUB-b<br>1272F  |                          | PC25<br>1 F20AB<br>2 F20AC<br>3 F20AD<br>1272F<br>4 F20AE |       |           |       |       |       |       |
| 69× IV: 36p/4u;<br>III: 21p/8u                          | <a href="#">o0980201</a> | ZATU086   |       |           |       |       |       |       |
| DUB-b@r   |                          | UNP   |       |           |       |       |       |       |
| 1× IV: 1u   | <a href="#">o0980202</a> |   | F252B |           |       |       |       |       |
| DUB-c<br>12730  |                          | PC25  |       |           |       |       |       |       |
| 1× IV: 1p   | <a href="#">o0980203</a> | ZATU086   | 12730 |           |       |       |       |       |
| DUB-d<br>12731  |                          | PC25  |       |           |       |       |       |       |
| 4× IV: 1u; III: 2p                                      | <a href="#">o0980204</a> | ZATU086   | 12731 |           |       |       |       |       |
| DUB-e<br>12732  |                          | PC25  |       |           |       |       |       |       |
| 1× III: 1p  | <a href="#">o0980205</a> | ZATU086   | 12732 |           |       |       |       |       |
| DUB-f<br>12733  |                          | PC25  |       |           |       |       |       |       |
| 4× III: 4p  | <a href="#">o0980206</a> | ZATU086   | 12733 |           |       |       |       |       |
| DUB-h<br>12734  |                          | PC25  |       |           |       |       |       |       |
| 1× III: 1p  | <a href="#">o0980207</a> | ZATU086   | 12734 |           |       |       |       | 12734 |
| (DUB@n~a×1(N58))~a <br>12735                            |                          | PC25  |       |           |       |       |       |       |
| AKA:  (DUB×DIŠ)~a <br>CDLI:  (DUB×DIŠ)~a <br>5× IV: 4p  | <a href="#">o0980208</a> | ZATU087   | 12735 |           |       |       |       |       |
| (DUB@n~a×1(N58))~b <br>12736                            |                          | PC25  |       |           |       |       |       |       |
| AKA:  (DUB×DIŠ)~c <br>CDLI:  (DUB×DIŠ)~c <br>1× III: 1p | <a href="#">o0980209</a> | ZATU087   | 12736 | 12736 (c) | 12736 |       |       |       |
| (DUB@n~b×1(N58))~a <br>12737                            |                          | PC25  |       |           |       |       |       |       |
| AKA:  (DUB×DIŠ)~b <br>CDLI:  (DUB×DIŠ)~b <br>1× IV: 1p  | <a href="#">o0980210</a> | ZATU087   | 12737 |           | 12737 |       |       |       |
| DUB <sub>2</sub><br>12738                               |                          | PC25  |       |           |       |       |       |       |
| 2× III: 2p  | <a href="#">o0980211</a> |   | 12738 |           | 12738 |       |       |       |




























































| PCSL                                     |                          | FONT                                      | CDLI | ATU3  | ATU5                    | MSVO1          | MSVO4 | CUSAS |
|--|--------------------------|---|------|-------|-------------------------|----------------|-------|-------|
| <b>DUG~a</b><br>12739                    |                          | PC25<br>1<br>F20AF<br>2<br>F20B0<br>12739 |      |       |                         |                |       |       |
| 252×<br>IV: 29p/10u;<br>III: 178p/30u    | <a href="#">o0980212</a> | ZATU088                                   |      | 12739 | F20AF<br>F20B0<br>12739 | 12739          | 12739 |       |
| <b> DUG~a×HI </b>                        |                          | EDI<br>F24F5                              |      |       |                         |                |       |       |
| <a href="#">o0980213</a>                 |                          |   |      |       |                         |                |       |       |
| <b> DUG~a×KASKAL </b>                    |                          | UNP<br>F2412                              |      |       |                         |                |       |       |
| 1× III: 1u                               | <a href="#">o0980214</a> | ZATU103                                   |      |       |                         |                |       |       |
| <b> DUG~a×KU<sub>6</sub>~a </b><br>1273A |                          | PC25<br>1273A                             |      |       |                         |                |       |       |
| 1× III: 1p                               | <a href="#">o0980215</a> | ZATU104                                   |      |       |                         |                |       | 1273A |
| <b> DUG~a×LAM~b </b>                     |                          | UNP<br>F2413                              |      |       |                         |                |       |       |
| 1× III: 1u                               | <a href="#">o0980216</a> | ZATU106                                   |      |       |                         |                |       |       |
| <b> DUG~a×NAGA~a </b><br>1273B           |                          | PC25<br>1273B                             |      |       |                         |                |       |       |
| 1× III: 1p                               | <a href="#">o0980217</a> | ZATU109                                   |      |       |                         |                | 1273B |       |
| <b> DUG~a×U<sub>2</sub>~a </b><br>1273C  |                          | PC25<br>1273C                             |      |       |                         |                |       |       |
| 1× III: 1p                               | <a href="#">o0980218</a> | ZATU122                                   |      |       |                         |                | 1273C |       |
| <b> DUG~a×U<sub>2</sub>~b </b><br>1273D  |                          | PC25<br>1273D                             |      |       |                         |                |       |       |
| 2× IV: 1p; III: 1u                       | <a href="#">o0980219</a> | ZATU122                                   |      |       |                         |                |       |       |
| <b> DUG~a×X </b>                         |                          | EDI<br>F24F6                              |      |       |                         |                |       |       |
| <a href="#">o0980220</a>                 |                          |   |      |       |                         |                |       |       |
| <b> DUG~a×1(N57) </b><br>1273E           |                          | PC25<br>1273E                             |      |       |                         |                |       |       |
| 9× IV: 1u; III: 8p                       | <a href="#">o0980221</a> | ZATU091                                   |      |       | 1273E                   |                | 1273E |       |
| <b>DUG~b</b><br>1273F                    |                          | PC25<br>1<br>F20B1<br>1273F               |      |       |                         |                |       |       |
| 130×<br>IV: 36p/12u;<br>III: 45p/23u     | <a href="#">o0980222</a> | ZATU088                                   |      |       | 1273F                   | F20B1<br>1273F | 1273F |       |
| <b> DUG~b×AB<sub>2</sub> </b><br>12740   |                          | PC25<br>12740                             |      |       |                         |                |       |       |
| 2× IV: 1p; III: 1p                       | <a href="#">o0980223</a> | ZATU089                                   |      |       | 12740                   | 12740          |       |       |
| <b> DUG~b×ANŠE~b </b><br>12741           |                          | PC25<br>12741                             |      |       |                         |                |       |       |
| 5× III: 5p                               | <a href="#">o0980224</a> | ZATU090                                   |      |       | 12741                   |                |       |       |
| <b> DUG~b×ANŠE~d </b><br>12742           |                          | PC25<br>12742                             |      |       |                         |                |       |       |
| 2× III: 2p                               | <a href="#">o0980225</a> | ZATU090                                   |      |       | 12742                   |                |       |       |
| <b> DUG~b×BA </b>                        |                          | PC25-bk<br>F252E                          |      |       |                         |                |       |       |
| 1× IV: 1p                                | <a href="#">o0980226</a> | ZATU093                                   |      |       |                         |                |       |       |

| PCSL                                |                          | FONT    | CDLI                           | ATU3  | ATU5  | MSVO1 | MSVO4 | CUSAS |
|-------------------------------------|--------------------------|---------|--------------------------------|-------|-------|-------|-------|-------|
| DUG~bxBALA~a <br>12743              |                          | PC25    |                                |       |       |       |       |       |
| 10× III: 10p                        | <a href="#">o0980227</a> | ZATU094 | 12743                          | 12743 | 12743 |       |       |       |
| DUG~bxBIR <sub>3</sub> ~c <br>12744 |                          | PC25    |                                |       |       |       |       |       |
| 2× III: 1p/1u                       | <a href="#">o0980228</a> | ZATU095 | 12744                          | 12744 | 12744 |       |       |       |
| DUG~bxDIN <br>12745                 |                          | PC25    |                                |       |       |       |       |       |
| 18× IV: 1p/4u;<br>III: 12p/1u       | <a href="#">o0980229</a> | ZATU096 | <sup>1</sup><br>F20B2<br>12745 | 12745 | 12745 |       |       |       |
| (DUG~bxDIN)@r <br>12746             |                          | PC25    |                                |       |       |       |       |       |
| AKA:  DUG~b@rxDIN <br>1× IV: 1p     | <a href="#">o0980230</a> |         | 12746                          |       |       |       |       |       |
| DUG~bxE~a                           |                          | UNP     |                                |       |       |       |       |       |
| 1× III: 1u                          | <a href="#">o0980231</a> |         | F2414                          |       |       |       |       |       |
| DUG~b×GA~a <br>12747                |                          | PC25    |                                |       |       |       |       |       |
| 2× III: 1p/1u                       | <a href="#">o0980232</a> | ZATU097 | 12747                          | 12747 | 12747 |       |       |       |
| DUG~b×GA~b <br>12748                |                          | PC25    |                                |       |       |       |       |       |
| 2× III: 2p                          | <a href="#">o0980233</a> | ZATU097 | 12748                          | 12748 | 12748 |       |       |       |
| DUG~b×GEŠTU~a <br>12749             |                          | PC25    |                                |       |       |       |       |       |
| 6× III: 5p/1u                       | <a href="#">o0980234</a> | ZATU098 | <sup>1</sup><br>F20B3<br>12749 | 12749 | 12749 |       |       |       |
| DUG~b×GEŠTU~b <br>1274A             |                          | PC25    |                                |       |       |       |       |       |
| 1× III: 1p                          | <a href="#">o0980235</a> | ZATU098 | 1274A                          | 1274A | 1274A |       |       |       |
| DUG~b×GI <sub>6</sub>  <br>1274B    |                          | PC25    |                                |       |       |       |       |       |
| 3× III: 3p                          | <a href="#">o0980236</a> | ZATU099 | 1274B                          | 1274B | 1274B |       |       |       |
| DUG~b×GIŠ <br>1274C                 |                          | PC25    |                                |       |       |       |       |       |
| 7× III: 6p/1u                       | <a href="#">o0980237</a> | ZATU100 | 1274C                          | 1274C | 1274C |       |       |       |
| DUG~b×HI <br>1274D                  |                          | PC25    |                                |       |       |       |       |       |
| 9× IV: 2p/1u; III: 6p               | <a href="#">o0980238</a> | ZATU101 | <sup>1</sup><br>F20B4<br>1274D | 1274D | 1274D | 1274D |       |       |
| DUG~b×HI@g~a <br>1274E              |                          | PC25    |                                |       |       |       |       |       |
| 7× IV: 7p                           | <a href="#">o0980239</a> | ZATU102 | 1274E                          |       | 1274E |       |       |       |
| DUG~b×KASKAL <br>1274F              |                          | PC25    |                                |       |       |       |       |       |
| 10× III: 10p                        | <a href="#">o0980240</a> | ZATU103 | 1274F                          | 1274F | 1274F |       |       |       |










































| PCSL                                   |                          | FONT    | CDLI                           | ATU3  | ATU5  | MSVO1 | MSVO4 | CUSAS |
|--|--------------------------|---------|--------------------------------|-------|-------|-------|-------|-------|
| DUG~b×KU <sub>6</sub> ~a <br>12750     |                          | PC25    |                                |       |       |       |       |       |
| 2× III: 2p                             | <a href="#">o0980241</a> | ZATU104 | 12750                          | 12750 |       |       |       |       |
| DUG~b×KUR~a <br>12751                  |                          | PC25    |                                |       |       |       |       |       |
| 3× III: 3p                             | <a href="#">o0980242</a> | ZATU105 | 12751                          | 12751 |       |       |       |       |
| DUG~b×(KUR~a.X) <br>12752              |                          | PC25-bk |                                |       |       |       |       |       |
| 1× III: 1p                             | <a href="#">o0980243</a> |         | F2415                          | F2415 |       |       |       |       |
| DUG~b×KUR~b <br>12752                  |                          | PC25    |                                |       |       |       |       |       |
| 2× III: 1p/1u                          | <a href="#">o0980244</a> | ZATU105 | 12752                          | 12752 |       |       |       |       |
| DUG~b×KUR@g~a <br>12753                |                          | PC25    |                                |       |       |       |       |       |
| 4× III: 4p                             | <a href="#">o0980245</a> | ZATU107 | 12753                          | 12753 |       |       |       |       |
| DUG~b×LAM~a <br>12754                  |                          | PC25    |                                |       |       |       |       |       |
| 4× III: 3p/1u                          | <a href="#">o0980246</a> | ZATU106 | 12754                          | 12754 |       |       |       |       |
| DUG~b×MAŠ <br>12755                    |                          | PC25    |                                |       |       |       |       |       |
| 16× IV: 2p/2u;<br>III: 11p/1u          | <a href="#">o0980247</a> | ZATU108 | <sup>1</sup><br>F20B5<br>12755 | 12755 | 12755 | 12755 |       |       |
| DUG~b×NAGA~a <br>12756                 |                          | PC25    |                                |       |       |       |       |       |
| 9× III: 6p/3u                          | <a href="#">o0980248</a> | ZATU109 | 12756                          | 12756 | 12756 |       |       |       |
| DUG~b×NAM <sub>2</sub>  <br>12757      |                          | PC25    |                                |       |       |       |       |       |
| 1× III: 1p                             | <a href="#">o0980249</a> |         | 12757                          | 12757 |       |       |       |       |
| DUG~b×(NI~a@g.ZATU779) <br>12758       |                          | UNP     |                                |       |       |       |       |       |
| 1× III: 1u                             | <a href="#">o0980250</a> |         | F2416                          |       |       |       |       |       |
| DUG~b×SA~a <br>12758                   |                          | PC25    |                                |       |       |       |       |       |
| 6× III: 5p/1u                          | <a href="#">o0980251</a> | ZATU110 | 12758                          | 12758 |       |       |       |       |
| DUG~b×(SA~a.GI) <br>12759              |                          | PC25    |                                |       |       |       |       |       |
| CDLI: *DUG~b+SA~a+GI<br>4× III: 4p     | <a href="#">o0980252</a> | ZATU111 | 12759                          | 12759 |       |       |       |       |
| DUG~b×SI <sub>4</sub> ~a <br>1275A     |                          | PC25    |                                |       |       |       |       |       |
| 6× III: 6p                             | <a href="#">o0980253</a> | ZATU112 | 1275A                          | 1275A |       |       |       |       |
| DUG~b×(SI <sub>4</sub> ~a.X) <br>1275A |                          | PC25-bk |                                |       |       |       |       |       |
| 1× III: 1p                             | <a href="#">o0980254</a> |         | F2417                          | F2417 |       |       |       |       |
| DUG~b×SIG <sub>2</sub> ~a1 <br>1275B   |                          | PC25    |                                |       |       |       |       |       |
| 3× III: 3p                             | <a href="#">o0980255</a> | ZATU113 | 1275B                          | 1275B |       |       |       |       |
| DUG~b×SIG <sub>2</sub> ~a2 <br>1275C   |                          | PC25    |                                |       |       |       |       |       |
| 2× III: 2p                             | <a href="#">o0980256</a> | ZATU113 | 1275C                          | 1275C |       |       |       |       |

| PCSL                                       |                          | FONT     | CDLI                                       | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|--------------------------|----------|--|------|------|-------|-------|-------|
| DUG~b×SIG <sub>7</sub>  <br>1275D          |                          | PC25<br> |  |      |      |       |       |       |
| 20× III: 19p/1u                            | <a href="#">o0980257</a> | ZATU114  |  |      |      |       |       |       |
| DUG~b×SUHUR <br>1275E                      |                          | PC25<br> |  |      |      |       |       |       |
| 1× III: 1p                                 | <a href="#">o0980258</a> | ZATU115  |  |      |      |       |       |       |
| DUG~b×SUKUD~d <br>1275F                    |                          | UNP<br>  |  |      |      |       |       |       |
| 1× III: 1u                                 | <a href="#">o0980259</a> | ZATU116  |  |      |      |       |       |       |
| DUG~b×ŠAH <sub>2</sub> ~a <br>1275F        |                          | PC25<br> |  |      |      |       |       |       |
| 4× III: 4p                                 | <a href="#">o0980260</a> | ZATU117  |  |      |      |       |       |       |
| DUG~b×ŠE~a <br>12760                       |                          | PC25<br> |  |      |      |       |       |       |
| 18× IV: 5p; III: 13p                       | <a href="#">o0980261</a> | ZATU118  | <br>1 F20B6<br>2 F20B7<br>12760            |      |      |       |       |       |
| DUG~b×(ŠE~a.NAM <sub>2</sub> ) <br>12761   |                          | PC25<br> |  |      |      |       |       |       |
| 7× III: 7p                                 | <a href="#">o0980262</a> | ZATU119  |  |      |      |       |       |       |
| DUG~b×TAK <sub>4</sub> ~a <br>12762        |                          | PC25<br> |  |      |      |       |       |       |
| 5× III: 4p/1u                              | <a href="#">o0980263</a> | ZATU120  |  |      |      |       |       |       |
| DUG~b×(TAK <sub>4</sub> ~a.SA~a) <br>12763 |                          | PC25<br> |  |      |      |       |       |       |
| 2× III: 1p/1u                              | <a href="#">o0980264</a> |          |  |      |      |       |       |       |
| DUG~b×(TAK <sub>4</sub> ~a.SAL) <br>12764  |                          | PC25<br> |  |      |      |       |       |       |
| 1× III: 1p                                 | <a href="#">o0980265</a> |          |  |      |      |       |       |       |
| DUG~b×TI <br>12765                         |                          | PC25<br> |  |      |      |       |       |       |
| 7× III: 7p                                 | <a href="#">o0980266</a> | ZATU121  |  |      |      |       |       |       |
| DUG~b×U <sub>2</sub> ~a <br>12766          |                          | PC25<br> |  |      |      |       |       |       |
| 2× III: 1p/1u                              | <a href="#">o0980267</a> | ZATU122  |  |      |      |       |       |       |
| DUG~b×U <sub>2</sub> ~b <br>12767          |                          | PC25<br> | <br>1 F20B8<br>2 F20B9<br>12767<br>3 F20BA |      |      |       |       |       |
| 2× III: 1p/1u                              | <a href="#">o0980268</a> | ZATU122  |  |      |      |       |       |       |

| PCSL  | FONT   | CDLI   | ATU3   | ATU5   | MSVO1   | MSVO4 | CUSAS  |
|---|--|--|--|--|---|-------|--|
| DUG~b*(UDU~a*TAR~b) <br>12768                               | PC25<br>    | <br>12768   |  |  |   |       | <br>12768   |
| 2× III: 2p<br>o0980269                                      |  |  |  |  |   |       |  |
| DUG~b*UH <sub>3</sub> ~a <br>12769                          | PC25<br>    | <br>12769   |   | <br>12769   |   |       |  |
| 3× III: 3p<br>o0980270 ZATU123                              |  |  |  |  |   |       |  |
| DUG~b*UH <sub>3</sub> ~a@t <br>1276A                        | PC25<br>    | <br>1276A   |   | <br>1276A   |   |       |  |
| 1× III: 1p<br>o0980271                                      |  |  |  |  |   |       |  |
| DUG~b*X <br>128×<br>IV: 3p/3u;<br>III: 108p/14u<br>o0980272 | PC25-bk<br> | <br>F20BC<br><br>F20BB     | <br>     | <br>F20BB   | <br>F20BB   |       |  |
| DUG~b*ZATU707~a <br>1× III: 1u<br>o0980273                  | UNP<br>     | <br>F2418   |   |  |   |       |  |
| DUG~b*ZATU764 <br>1276B                                     | PC25<br>    | <br>1276B   |   | <br>1276B   |   |       |  |
| 2× III: 2p<br>o0980274 ZATU124                              |  |  |  |  |   |       |  |
| DUG~b*ZATU779 <br>1276C                                     | PC25<br>    | <br>1276C   |   | <br>1276C   |   |       |  |
| 4× III: 2p/2u<br>o0980275                                   |  |  |  |  |   |       |  |
| DUG~b*ZATU780 <br>1276D                                     | PC25<br>  | <br>1276D   |   | <br>1276D |   |       |  |
| 2× III: 2p<br>o0980276                                      |  |  |  |  |   |       |  |
| DUG~b*ZATU781 <br>1276E                                     | PC25<br>  | <br>1276E   |   | <br>1276E |   |       |  |
| 3× III: 3p<br>o0980277                                      |  |  |  |  |   |       |  |
| DUG~b*(ZATU789.SA~a) <br>1276F                              | PC25<br>  | <br>1276F   |   | <br>1276F |   |       |  |
| 1× III: 1p<br>o0980278                                      |  |  |  |  |   |       |  |
| DUG~b*1(N57) <br>12770                                      | PC25<br>  | <br>F20BD<br><br>12770 | <br> | <br>12770 | <br>F20BD |       |  |
| 9× IV: 4p/1u;<br>III: 3p/1u<br>o0980279 ZATU091             |  |  |  |  |   |       |  |
| DUG~b*(1(N57).KU <sub>3</sub> ~a) <br>12771                 | PC25<br>  | <br>12771   |   | <br>12771 |   |       |  |
| 3× III: 3p<br>o0980280 ZATU092                              |  |  |  |  |   |       |  |
| DUG~b*3(N57) <br>1× III: 1u<br>o0980281                     | UNP<br>   | <br>F2419   |   |  |   |       |  |
| DUG~b*1(N58) <br>12772                                      | PC25<br>  | <br>12772   |  |  |   |       | <br>12772 |
| 1× III: 1p<br>o0980282                                      |  |  |  |  |   |       |  |

| PCSL  | FONT  | CDLI   | ATU3   | ATU5   | MSVO1  | MSVO4  | CUSAS |
|---|---|--|--|--|--|--|-------|
| <b> (DUG~b&amp;DUG~b)×1(N58) </b><br>12773                                | PC25<br>   | <br>12773   |   | <br>12773  |  |  |       |
| AKA:  (DUG~b&(DUG~b×1(N58)) <br>1× IV: 1p<br><a href="#">o0980283</a>     |   |  |  |  |  |  |       |
| <b>DUG~c</b><br>12774   | PC25<br>   | 1<br><br>F20BE<br><br>12774  | <br><br>12774  | <br>F20BE<br><br>12774 | <br>12774   | <br>12774   |       |
| 224×<br>IV: 37p/20u;<br>III: 130p/32u<br><a href="#">o0980284</a> ZATU088 |   |  |  |  |  |  |       |
| <b> (DUG~c×1(N57) </b><br>12775   | PC25<br>   | 1<br><br>F20BF<br>2<br><br>F20C0<br><br>12775 | <br><br><br>12775 | <br>12775   | <br>12775   |  |       |
| 69× IV: 18p/7u;<br>III: 36p/6u<br><a href="#">o0980285</a> ZATU091        |   |  |  |  |  |  |       |
| <b>DUG~c@t</b><br>12776   | PC25<br>   | <br>12776   |   |  |  |  |       |
| 1× IV: 1p<br><a href="#">o0980286</a>                                     |   |  |  |  |  |  |       |
| <b>DUG~d</b><br>12777   | PC25<br>   | <br>12777<br>1<br><br>F20C1   |  | <br>(e)<br>F20C1   |  |  |       |
| 4× III: 3p<br><a href="#">o0980287</a> ZATU088                            |   |  |  |  |  |  |       |
| <b>DUGUD</b><br>12778   | PC25<br> | <br>12778   |   |  |  |  |       |
| 1× III: 1p<br><a href="#">o0980288</a> ZATU125                            |   |  |  |  |  |  |       |
| <b>DUR~a</b><br>12779   | PC25<br> | <br>12779   |   | <br>12779  | <br>12779 |  |       |
| 24× IV: 18p/1u;<br>III: 2p/1u<br><a href="#">o0980289</a> ZATU126         |   |  |  |  |  |  |       |
| <b>DUR~b</b><br>1277A   | PC25<br> | <br>1277A<br>1<br><br>F20C2  |   |  | <br>1277A  | <br>F20C2 |       |
| 49× IV: 1p;<br>III: 30p/15u<br><a href="#">o0980290</a> ZATU126           |   |  |  |  |  |  |       |
| <b>DUR<sub>2</sub></b><br>1277B   | PC25<br> | <br>1277B   | <br>1277B   | <br>1277B   | <br>1277B | <br>1277B |       |
| 75× IV: 4p;<br>III: 53p/17u<br><a href="#">o0980291</a> ZATU127           |   |  |  |  |  |  |       |
| <b>E~a</b><br>1277C   | PC25<br> | <br>1277C   |   |  |  |  |       |
| 86× IV: 1p;<br>III: 78p/6u<br><a href="#">o0980292</a> ZATU128            |   |  |  |  |  |  |       |
| <b>E~b</b><br>1277D   | PC25<br> | <br>1277D   |   |  |  |  |       |
| 24× IV: 1u;<br>III: 19p/4u<br><a href="#">o0980293</a> ZATU128            |   |  |  |  |  |  |       |
| <b>E~c</b><br>1277E   | PC25<br> | <br>1277E   |   | <br>1277E  |  |  |       |
| 1× IV: 1p<br><a href="#">o0980294</a> ZATU128                             |   |  |  |  |  |  |       |
















































| PCSL   | FONT               | CDLI  | ATU3  | ATU5  | MSVO1  | MSVO4   | CUSAS   |
|--|--------------------|---|---|---|--|---|---|
| <b>E~d</b><br>1× IV: 1u<br>o0980295  | UNP<br>ZATU128     |    |    |   |  |   |   |
| <b>E~e</b><br>o0980296   | EDI                |    |    |   |  |   |   |
| <b>E<sub>2</sub>~a</b><br>1277F<br>AKA: E <sub>2</sub><br>608×<br>IV: 12p/11u;<br>III: 433p/141u<br>o0980297                                       | PC25<br>ZATU129    |    |    |    |    |    |    |
| <b> E<sub>2</sub>~a.LIŠ </b><br>1× III: 1u<br>o0980298   | UNP                |    |    |   |  |   |   |
| <b> E<sub>2</sub>~a.NUN~a </b><br>AKA: NINLIL<br>CDLI: NINLIL<br>4× III: 4p<br>o0980970  | PC25-sq<br>ZATU413 |    |    |    |  |   |   |
| <b> E<sub>2</sub>~a×3(N58) </b><br>1× III: 1u<br>o0980299  | UNP                |    |    |   |  |   |   |
| <b> E<sub>2</sub>~a×1(N58@t) </b><br>12780<br>AKA:  E <sub>2</sub> ~a×1(N57)@t <br>CDLI:  E <sub>2</sub> ~a×1(N57)@t <br>38× III: 38p<br>o0980300  | PC25<br>ZATU131    |    |    |   |  |    |   |
| <b>E<sub>2</sub>~b</b><br>12781<br>201×<br>IV: 4p/1u;<br>III: 100p/88u<br>o0980301   | PC25<br>ZATU129    |  |  |  |  |  |  |
| <b> E<sub>2</sub>~b.LIŠ </b><br>1× III: 1u<br>o0980302   | UNP                |  |  |   |  |   |   |
| <b> E<sub>2</sub>~b×1(N58@t) </b><br>12782<br>AKA:  E <sub>2</sub> ~b×1(N57)@t <br>CDLI:  E <sub>2</sub> ~b×1(N57)@t <br>6× III: 5p/1u<br>o0980303 | PC25<br>ZATU131    |  |  |  |  |   |   |
| <b>E<sub>2</sub>~c</b><br>12783<br>1× III: 1p<br>o0980304  | PC25<br>ZATU129    |  |  |   |  |   |   |
| <b>E<sub>2</sub>~d</b><br>12784<br>2× III: 2p<br>o0980305  | PC25<br>ZATU129    |  |  |   |  |   |   |
| <b>E<sub>3</sub>~b</b><br>12785<br>1× III: 1p<br>o0980307  | PC25<br>ZATU132    |  |  |   |  |   |   |
| <b>EDIN</b><br>12786<br>5× III: 5p<br>o0980308   | PC25<br>ZATU133    |  |  |  |  |   |   |























































| PCSL   |                          | FONT   | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|--------------------------|--|------|------|------|-------|-------|-------|
| EN~a<br>12787  |                          | PC25<br>1 F20C3<br>2 F20C4<br>3 F20C5<br>12787 |      |      |      |       |       |       |
| AKA: EN<br>1784x<br>IV: 115p/47u;<br>III: 1081p/487u | <a href="#">o0980309</a> | ZATU134  |      |      |      |       |       |       |
| [EN~a.EZEN~b×SE~a@t.NUN~a.SIG,]                      |                          | PC25-sq<br>F20CB<br>1 F20CC                    |      |      |      |       |       |       |
| AKA: ENKUM<br>CDLI: ENKUM<br>13x III: 9p/4u          | <a href="#">o0980322</a> | ZATU141  |      |      |      |       |       |       |
| [EN~a.KID~a]   |                          | ZERO<br>F2234                                  |      |      |      |       |       |       |
| CDLI: ENLIL  | <a href="#">o0980323</a> | ZATU142  |      |      |      |       |       |       |
| [EN~a.ME~a.GI]                                       |                          | PC25-sq<br>F20C8<br>1 F20C9<br>2 F20CA         |      |      |      |       |       |       |
| AKA: ENGIZ<br>CDLI: ENGIZ<br>21x III: 20p/1u         | <a href="#">o0980321</a> | ZATU140  |      |      |      |       |       |       |
| [EN~a.ME~a.MU]                                       |                          | PC25-sq<br>F2235                               |      |      |      |       |       |       |
| AKA: ENDIB<br>CDLI: ENDIB<br>6x III: 6p              | <a href="#">o0980320</a> | ZATU139  |      |      |      |       |       |       |
| EN~b<br>12788  |                          | PC25<br>12788<br>1 F20C6                       |      |      |      |       |       |       |
| 79x IV: 58p/11u;<br>III: 1p/4u                       | <a href="#">o0980310</a> | ZATU134  |      |      |      |       |       |       |
| EN~b@t<br>12789                                      |                          | PC25<br>12789                                  |      |      |      |       |       |       |
| 1x IV: 1p  | <a href="#">o0980311</a> |  |      |      |      |       |       |       |
| EN~c<br>1278A  |                          | PC25<br>1278A<br>1 F20C7                       |      |      |      |       |       |       |
| 15x III: 15p   | <a href="#">o0980312</a> | ZATU134  |      |      |      |       |       |       |
| [EN~c&EN~c]  |                          | UNP<br>F241C                                   |      |      |      |       |       |       |
| 1x IV: 1u  | <a href="#">o0980313</a> |  |      |      |      |       |       |       |
| EN~e   |                          | UNP<br>F241D                                   |      |      |      |       |       |       |
| 1x   | <a href="#">o0980314</a> | ZATU134  |      |      |      |       |       |       |
| EN@g~a<br>1278B                                      |                          | PC25<br>1278B                                  |      |      |      |       |       |       |
| 2x IV: 2p  | <a href="#">o0980315</a> | ZATU137  |      |      |      |       |       |       |
| EN@g~b<br>1278C                                      |                          | PC25<br>1278C                                  |      |      |      |       |       |       |
| 11x IV: 9p/2u  | <a href="#">o0980316</a> | ZATU137  |      |      |      |       |       |       |























































| PCSL  |                          | FONT    | CDLI                           | ATU3      | ATU5      | MSVO1 | MSVO4 | CUSAS |
|---|--------------------------|---------|--------------------------------|-----------|-----------|-------|-------|-------|
| EN <sub>2</sub><br>1278D  |                          | PC25    |                                |           |           |       |       |       |
| 44× IV: 3p/1u;<br>III: 19p/20u                                  | <a href="#">o0980317</a> | ZATU138 | 1278D                          | 1278D     | 1278D     | 1278D |       |       |
| EN <sub>2</sub> E <sub>2</sub> ~a                               |                          | PC25-sq |                                |           |           |       |       |       |
| 4× III: 3u  | <a href="#">o0980318</a> |         | F2236                          |           |           |       |       |       |
| EN <sub>2</sub> E <sub>2</sub> ~b                               |                          | PC25-sq |                                |           |           |       |       |       |
| AKA:  EN <sub>2</sub> ×E <sub>2</sub> ~b <br>21× III: 7p/14u    | <a href="#">o0980319</a> |         | F2237                          |           |           | F2237 |       |       |
| ENSI  |                          | EDI     |                                |           |           |       |       |       |
|   | <a href="#">o0980324</a> |         | F2238                          |           |           |       |       |       |
| ENSI <sub>2</sub>   |                          | EDI     |                                |           |           |       |       |       |
|   | <a href="#">o0980325</a> |         | F2239                          |           |           |       |       |       |
| ERIM~a<br>1278E   |                          | PC25    |                                |           |           |       |       |       |
| 218× IV: 46p/22u;<br>III: 85p/59u                               | <a href="#">o0980326</a> | ZATU143 | 1278E                          | 1278E     | 1278E     | 1278E | 1278E |       |
| ERIM~b1<br>1278F  |                          | PC25    |                                |           |           |       |       |       |
| 1× IV: 1p   | <a href="#">o0980327</a> | ZATU143 | 1278F                          |           | 1278F     |       |       |       |
| ERIM~b2<br>12790  |                          | PC25    |                                |           |           |       |       |       |
| 2× III: 1p  | <a href="#">o0980328</a> | ZATU143 | 12790                          | 12790 (b) | 12790     |       |       |       |
| ERIN<br>12791   |                          | PC25    |                                |           |           |       |       |       |
| 148× IV: 28p/4u;<br>III: 90p/18u                                | <a href="#">o0980330</a> | ZATU145 | 12791                          | 12791     | 12791     | 12791 | 12791 |       |
| EŠDA<br>12792   |                          | PC25    |                                |           |           |       |       |       |
| 126× IV: 22p/1u;<br>III: 72p/27u                                | <a href="#">o0980331</a> | ZATU147 | 12792                          | 12792     | 12792     | 12792 |       |       |
| EŠDA.NAM <sub>2</sub>   |                          | PC25-sq |                                |           |           |       |       |       |
| AKA: NAMEŠDA<br>CDLI: NAMEŠDA<br>87× IV: 2p/1u;<br>III: 65p/18u | <a href="#">o0980902</a> | ZATU387 | <sup>1</sup><br>F2144<br>F2143 | F2144     | F2144     | F2144 | F2144 |       |
| EŠDA×TAR~a <br>12793  |                          | PC25    |                                |           |           |       |       |       |
| AKA:  EŠDA×TAR <br>CDLI:  EŠDA×TAR <br>1× III: 1p               | <a href="#">o0980332</a> | ZATU148 | 12793                          |           | 12793 (o) |       |       |       |
| EŠGAR<br>12794  |                          | PC25    |                                |           |           |       |       |       |
| 22× IV: 6p;<br>III: 13p/3u                                      | <a href="#">o0980333</a> | ZATU149 | 12794                          |           | 12794     |       |       |       |
| EZEN~a<br>12795   |                          | PC25    |                                |           |           |       |       |       |
| 22× IV: 9p/3u;<br>III: 6p/4u                                    | <a href="#">o0980334</a> | ZATU150 | <sup>1</sup><br>F20CD<br>12795 |           | 12795     | 12795 |       |       |

| PCSL   | FONT          | CDLI                   | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|---------------|------------------------|------|------|-------|-------|-------|
| EZEN~a×EN~a <br>1× IV: 1u<br>o0980335 ZATU151  | UNP<br>F2420  |                        |      |      |       |       |       |
| EZEN~a×EN~b <br>12796<br>2× IV: 1p; III: 1p<br>o0980336 ZATU151  | PC25<br>12796 |                        |      |      |       |       |       |
| EZEN~a×(HI×1(N57).AN) <br>12797<br>AKA:  EZEN~a×(HI.1(N57).AN) <br>CDLI:  EZEN~a×(HI.1(N57).AN) <br>1× III: 1p<br>o0980337 | PC25<br>12797 |                        |      |      |       |       |       |
| EZEN~a×KAB <br>12798<br>1× IV: 1p<br>o0980338 ZATU152  | PC25<br>12798 |                        |      |      |       |       |       |
| EZEN~a×KAŠ~b <br>12799<br>2× III: 2p<br>o0980339   | PC25<br>12799 |                        |      |      |       |       |       |
| EZEN~a×KI <br>1279A<br>AKA:  EZEN~a+KI <br>1× III: 1p<br>o0980340  | PC25<br>1279A |                        |      |      |       |       |       |
| EZEN~a×LA~e <br>o0980341   | EDI           | <br>F20CF<br><br>F20CE | <br> |      |       |       |       |
| EZEN~a×NIM~b2 <br>1279B<br>1× IV: 1p<br>o0980342 ZATU153   | PC25<br>1279B |                        |      |      |       |       |       |
| EZEN~a×NIMGIR <br>1279C<br>2× IV: 1p; III: 1u<br>o0980343 ZATU154  | PC25<br>1279C |                        |      |      |       |       |       |
| EZEN~a×RAD~a <br>1279D<br>1× IV: 1p<br>o0980344 ZATU155  | PC25<br>1279D |                        |      |      |       |       |       |
| EZEN~a×SAG <br>1× III: 1u<br>o0980345  | UNP<br>F241E  |                        |      |      |       |       |       |
| EZEN~a×SU~a <br>1279E<br>8× III: 5p/3u<br>o0980346 ZATU156   | PC25<br>1279E |                        |      |      |       |       |       |
| EZEN~a×(U <sub>2</sub> ~b.A) <br>1279F<br>5× IV: 1u; III: 1p/3u<br>o0980347 ZATU157  | PC25<br>1279F |                        |      |      |       |       |       |


















































| PCSL  |                          | FONT    | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|--------------------------|---------|------|------|------|-------|-------|-------|
| EZEN~a×U <sub>4</sub>  <br>127A0                                |                          | PC25    |      |      |      |       |       |       |
| 1×  | <a href="#">o0980348</a> |         |      |      |      |       |       |       |
| EZEN~a×X  |                          | PC25-bk |      |      |      |       |       |       |
| 2× IV: 1p; III: 1u  | <a href="#">o0980349</a> |         |      |      |      |       |       |       |
| EZEN~b<br>127A1   |                          | PC25    |      |      |      |       |       |       |
| 87× IV: 1p;<br>III: 63p/18u                                     | <a href="#">o0980350</a> | ZATU150 |      |      |      |       |       |       |
| EZEN~b×ŠE~a@t <br>127A2   |                          | PC25    |      |      |      |       |       |       |
| 23× III: 19p/4u   | <a href="#">o0980351</a> |         |      |      |      |       |       |       |
| EZEN~b×6(N57) <br>127A3   |                          | PC25    |      |      |      |       |       |       |
| 1× III: 1p  | <a href="#">o0980352</a> | ZATU411 |      |      |      |       |       |       |
| EZEN~b@t<br>127A4   |                          | PC25    |      |      |      |       |       |       |
| AKA: EZEM~c EZEN~c<br>CDLI:  EZEN~b@t <br>9× IV: 3p; III: 2p/3u | <a href="#">o0980353</a> | ZATU150 |      |      |      |       |       |       |
| EZEN~c  |                          | DEL     |      |      |      |       |       |       |
|   | <a href="#">o0982242</a> | ZATU150 |      |      |      |       |       |       |
| EZINU~a<br>127A5  |                          | PC25    |      |      |      |       |       |       |
| 12× IV: 1u; III: 5p/6u  | <a href="#">o0980354</a> | ZATU158 |      |      |      |       |       |       |
| EZINU~b<br>127A6  |                          | PC25    |      |      |      |       |       |       |
| 1× III: 1p  | <a href="#">o0980355</a> | ZATU158 |      |      |      |       |       |       |
| EZINU~c<br>127A7  |                          | PC25    |      |      |      |       |       |       |
| 6× IV: 2u; III: 3p  | <a href="#">o0980356</a> | ZATU158 |      |      |      |       |       |       |
| EZINU~d<br>127A8  |                          | PC25    |      |      |      |       |       |       |
| 10× IV: 4p/1u;<br>III: 4p/1u                                    | <a href="#">o0980357</a> | ZATU158 |      |      |      |       |       |       |
| GA~a<br>127A9   |                          | PC25    |      |      |      |       |       |       |
| 339× IV: 36p/15u;<br>III: 191p/93u                              | <a href="#">o0980358</a> | ZATU159 |      |      |      |       |       |       |

| PCSL  |                                  | FONT   | CDLI   | ATU3   | ATU5  | MSVO1  | MSVO4  | CUSAS  |
|---|----------------------------------|--|--|--|---|--|--|--|
| [GA~a.ZATU753]  | PC25-sq                          | <br>F20D1   |             |  |   |  | <br>F20D2 |  |
| 85× IV: 1u;<br>III: 62p/21u                               | <a href="#">o0980359</a> ZATU161 | <br>F20D2   |             |  |   |  |  |  |
| [GA~a×X]  | ZERO                             | <br>F24F7   |             |  |   |  |  |  |
| <a href="#">o0980360</a>                                  |                                  |  |  |  |   |  |  |  |
| GA-b<br>127AA   | PC25                             | <br>127AA   | <br>127AA   | <br>127AA   |   |  |  |  |
| 25× III: 25p  | <a href="#">o0980361</a> ZATU159 |  |  |  |   |  |  |  |
| GA-c<br>127AB   | PC25                             | <br>127AB   | <br>127AB   | <br>127AB   |   |  |  |  |
| 4× III: 4p  | <a href="#">o0980362</a> ZATU159 |  |  |  |   |  |  |  |
| [GA~c×KASKAL]<br>127AC                                    | PC25                             | <br>127AC   | <br>127AC   |  |   |  |  |  |
| 2× III: 2p  | <a href="#">o0980363</a>         |  |  |  |   |  |  |  |
| [GA~c×1(N14)]<br>127AD                                    | PC25                             | <br>127AD   | <br>127AD   | <br>127AD   |   |  |  |  |
| 1× III: 1p  | <a href="#">o0980364</a> ZATU160 |  |  |  |   |  |  |  |
| GA <sub>2</sub> ~a1<br>127AE                              | PC25                             | <br>127AE   | <br>127AE   | <br>127AE   | <br>127AE   | <br>127AE   |  |  |
| 111× IV: 11p/2u;<br>III: 76p/18u                          | <a href="#">o0980365</a> ZATU162 |  |  |  |   |  |  |  |
| [GA <sub>2</sub> ~a1×A]<br>127AF                          | PC25                             | <br>127AF | <br>127AF | <br>127AF |   |  |  |  |
| 3× III: 1p  | <a href="#">o0980366</a>         |  |  |  |   |  |  |  |
| [GA <sub>2</sub> ~a1×E <sub>2</sub> ~a]<br>127B0          | PC25                             | <br>127B0 | <br>127B0 |  |   |  |  | <br>127B0 |
| AKA: [GA <sub>2</sub> ~a×E <sub>2</sub> ~a]<br>1× III: 1p | <a href="#">o0980367</a>         |  |  |  |   |  |  |  |
| [GA <sub>2</sub> ~a1×EN~a]                                | UNP                              | <br>F2527 |           |  |   |  |  |  |
| 4× III: 3u  | <a href="#">o0980368</a>         |  |  |  |   |  |  |  |
| [GA <sub>2</sub> ~a1×EN~b]<br>127B1                       | PC25                             | <br>127B1 | <br>127B1 |  | <br>127B1 |  |  |  |
| 1× IV: 1p   | <a href="#">o0980369</a>         |  |  |  |   |  |  |  |
| [GA <sub>2</sub> ~a1×GEŠTU~a]<br>127B2                    | PC25                             | <br>127B2 | <br>127B2 |  |   |  |  | <br>127B2 |
| 1× III: 1p  | <a href="#">o0980370</a>         |  |  |  |   |  |  |  |
| [GA <sub>2</sub> ~a1×GEŠTU~c3]<br>127B3                   | PC25                             | <br>127B3 | <br>127B3 |  |   | <br>127B3 |  |  |
| 1× III: 1p  | <a href="#">o0980371</a>         |  |  |  |   |  |  |  |
| [GA <sub>2</sub> ~a1×GEŠTU~c5]<br>127B4                   | PC25                             | <br>127B4 | <br>127B4 |  |   | <br>127B4 |  |  |
| 10× III: 10p  | <a href="#">o0980372</a>         |  |  |  |   |  |  |  |
| [GA <sub>2</sub> ~a1×GIR~a]<br>127B5                      | PC25                             | <br>127B5 | <br>127B5 |  |   |  |  |  |
| 5× III: 5p  | <a href="#">o0980373</a> ZATU167 |  |  |  |   |  |  |  |

| PCSL   | FONT   | CDLI  | ATU3   | ATU5  | MSVO1 | MSVO4  | CUSAS |
|--|--|---|--|---|-------|--|-------|
| <b>[GA<sub>2</sub>~a1*(GIR~a.KU<sub>6</sub>~a)]</b><br>127B6<br>              | PC25<br><br>127B6   |    |  |   |       |  |       |
| 1× III: 1p<br>o0980374   |  |   |  |   |       |  |       |
| <b>[GA<sub>2</sub>~a1*GIŠ@t]</b><br>127B7<br>                                 | PC25<br><br>127B7   |    | <br>127B7   |   |       |  |       |
| 1× IV: 1p<br>o0980375  | ZATU168  |   |  |   |       |  |       |
| <b>[GA<sub>2</sub>~a1*GU<sub>4</sub>]</b><br>                                 | ED1<br><br>F24F8    |    |  |   |       |  |       |
| o0980376   |  |   |  |   |       |  |       |
| <b>[GA<sub>2</sub>~a1*HAL]</b><br>127B8<br>                                   | PC25<br><br>127B8   |    | <br>127B8   |   |       |  |       |
| 1× IV: 1p<br>o0980377  |  |   |  |   |       |  |       |
| <b>[GA<sub>2</sub>~a1*HI]</b><br>127B9<br>                                    | PC25<br><br>127B9   |    | <br>127B9   | <br>127B9 |       |  |       |
| 5× IV: 1p/2u; III: 2p<br>o0980378  | ZATU170  |   |  |   |       |  |       |
| <b>[GA<sub>2</sub>~a1*(HI.SUHUR)]</b><br>                                     | UNP<br><br>F2421    |    |  |   |       |  |       |
| 1× IV: 1u<br>o0980379  | ZATU171  |   |  |   |       |  |       |
| <b>[GA<sub>2</sub>~a1*KU<sub>3</sub>~a]</b><br>127BA<br>                      | PC25<br><br>127BA   |    | <br>127BA   |   |       |  |       |
| 1× III: 1p<br>o0980380   | ZATU172  |   |  |   |       |  |       |
| <b>[GA<sub>2</sub>~a1*KU<sub>6</sub>~a]</b><br>127BB<br>                      | PC25<br><br>127BB   |    | <br>127BB   | <br>127BB |       |  |       |
| 13× IV: 3p/1u;<br>III: 8p/1u<br>o0980381   | ZATU173  |   |  |   |       |  |       |
| <b>[GA<sub>2</sub>~a1*(KU<sub>6</sub>~a+KU<sub>6</sub>~a)]</b><br>127BC<br> | PC25<br><br>127BC |  |  |   |       | <br>127BC |       |
| CDLI: [GA <sub>2</sub> ~a1*(KU <sub>6</sub> ~a.KU <sub>6</sub> ~a)]<br>1× III: 1p<br>o0980382  | ZATU174  |   |  |   |       |  |       |
| <b>[GA<sub>2</sub>~a1*LAGAB~b]</b><br>127BD<br>                             | PC25<br><br>127BD |  |  |   |       |  |       |
| 1× IV: 1p<br>o0980383  |  |   |  |   |       |  |       |
| <b>[GA<sub>2</sub>~a1*MAŠ]</b><br>127BE<br>                                 | PC25<br><br>127BE |  | <br>127BE |   |       |  |       |
| 1× III: 1p<br>o0980384   | ZATU176  |   |  |   |       |  |       |
| <b>[GA<sub>2</sub>~a1*NAGA~a]</b><br>                                       | UNP<br><br>F2422  |  |  |   |       |  |       |
| 1× III: 1u<br>o0980385   | ZATU177  |   |  |   |       |  |       |
| <b>[GA<sub>2</sub>~a1*NIM~b1]</b><br>                                       | UNP<br><br>F2423  |  |  |   |       |  |       |
| AKA: [GA <sub>2</sub> ~a2*NIM~b1]<br>CDLI: [GA <sub>2</sub> ~a2*NIM~b1]<br>1× III: 1u<br>o0980386  |  |   |  |   |       |  |       |
| <b>[GA<sub>2</sub>~a1*NUN~a]</b><br>  | ED1<br><br>F24F9  |  |  |   |       |  |       |
| o0980387   |  |   |  |   |       |  |       |
| <b>[GA<sub>2</sub>~a1*PAD~b]</b><br>127BF<br>                               | PC25<br><br>127BF |  |  |   |       |  |       |
| 1× III: 1p<br>o0980388   |  |   |  |   |       |  |       |

| PCSL   | FONT  | CDLI   | ATU3   | ATU5  | MSVO1  | MSVO4 | CUSAS  |
|--|---|--|--|---|--|-------|--|
| <b>[GA<sub>2</sub>~a1×PAP~a]</b><br>127C0<br>1× III: 1p <b>o0980389</b>  | PC25<br>               | <br>127C0   | <br>127C0   | <br>127C0    |  |       |  |
| <b>[GA<sub>2</sub>~a1×SU~a]</b><br>127C1<br>1× III: 1p <b>o0980390</b>   | PC25<br>               | <br>127C1   |             |   | <br>127C1   |       |  |
| <b>[GA<sub>2</sub>~a1×SUHUR]</b><br>127C2<br>5× IV: 4p; III: 1p <b>o0980391</b>  | PC25<br><br>ZATU179    | <br>127C2   | <br>127C2   | <br>127C2    |  |       |  |
| <b>[GA<sub>2</sub>~a1×SUKUD]</b><br>127C3<br>9× IV: 5p/2u; III: 2u <b>o0980392</b>   | PC25<br><br>ZATU180    | <br>127C3   |             | <br>127C3    |  |       |  |
| <b>[GA<sub>2</sub>~a1×((SUKUD+SUKUD)~a)]</b><br>UNP<br>AKA:  GA <sub>2</sub> ~a1×(SUKUD&SUKUD)~a <br>CDLI:  GA <sub>2</sub> ~a1×((SUKUD&SUKUD)~a) <br>1× IV: 1u <b>o0980393</b>  | UNP   | <br>F2424   |             |   |  |       |  |
| <b>[GA<sub>2</sub>~a1×((SUKUD+SUKUD)~b)]</b><br>UNP<br>AKA:  GA <sub>2</sub> ~a1×(SUKUD&SUKUD)~b <br>CDLI:  GA <sub>2</sub> ~a1×((SUKUD&SUKUD)~b) <br>1× III: 1u <b>o0980394</b> | UNP   | <br>F2425   |             |   |  |       |  |
| <b>[GA<sub>2</sub>~a1×SUMAŠ]</b><br>127C4<br>1× IV: 1p <b>o0980395</b>   | PC25<br><br>ZATU181    | <br>127C4   |             | <br>127C4    |  |       |  |
| <b>[GA<sub>2</sub>~a1×ŠA]</b><br>127C5<br>1× III: 1p <b>o0980396</b>   | PC25<br><br>ZATU181  | <br>127C5 |           |   | <br>127C5 |       |  |
| <b>[GA<sub>2</sub>~a1×TI]</b><br>127C6<br>3× III: 3p <b>o0980397</b>   | PC25<br><br>ZATU181  | <br>127C6 |           | <br>127C6  |  |       |  |
| <b>[GA<sub>2</sub>~a1×U<sub>4</sub>]</b><br>127C7<br>13× III: 9p/4u <b>o0980398</b>  | PC25<br><br>ZATU183  | <br>127C7 |           | <br>127C7  |  |       |  |
| <b>[GA<sub>2</sub>~a1×X]</b><br>13× IV: 4p; III: 8p/1u <b>o0980399</b>   | PC25-bk<br><br>F2426 |           | <br>F2426 | <br>F2426 | <br>F2426 |       |  |
| <b>[GA<sub>2</sub>~a1×X<sub>1</sub>]</b><br>1× III: 1p <b>o0982286</b>   | PC25-bk<br><br>F2529 |  |  |   |  |       | <br>F2529 |
| <b>[GA<sub>2</sub>~a1×1(N14)]</b><br>127C8<br>3× IV: 2p; III: 1p <b>o0980400</b>   | PC25<br><br>ZATU182  | <br>127C8 |           | <br>127C8  |  |       |  |
| <b>[GA<sub>2</sub>~a1×1(N57)]</b><br>127C9<br>3× IV: 2p <b>o0980401</b>  | PC25<br><br>ZATU164  | <br>127C9 |           | <br>127C9  |  |       |  |
| <b>GA<sub>2</sub>~a2</b><br>127CA<br>37× III: 9p/24u <b>o0980403</b>   | PC25<br><br>ZATU162  | <br>127CA |           |   |  |       |  |



| PCSL  | FONT   | CDLI  | ATU3  | ATU5   | MSVO1  | MSVO4 | CUSAS   |
|---|--|---|---|--|--|-------|---|
| $ GA_2\sim a2\times GU_4 $<br>127CB   |  PC25   |  127CB   |          |  |  |       |   |
| 4× III: 3p/1u<br>o0980404   |  |   |   |  |  |       |   |
| $ GA_2\sim a2\times NI\sim a $<br>127CC   |  PC25   |  127CC   |          |  |  |       |   |
| 1× IV: 1p<br>o0980405 ZATU178   |  |   |   |  |  |       |   |
| $ GA_2\sim a2\times NI\sim b $  | UNP  |  F2428   |          |  |  |       |   |
| 1× III: 1u<br>o0980406 ZATU178  |  |   |   |  |  |       |   |
| $ GA_2\sim a2\times SUHUR $<br>127CD  |  PC25   |  127CD   |          |  |  |       |   |
| 1× IV: 1p<br>o0980407 ZATU179   |  |   |   |  |  |       |   |
| $ GA_2\sim a2\times \check{S}E_3 $<br>127CE   |  PC25   |  127CE   |          |  |  127CE  |       |   |
| 3× III: 3p<br>o0980408  |  |   |   |  |  |       |   |
| $ GA_2\sim a2\times (\check{S}E_3, GU_4) $<br>127CF   |  PC25   |  127CF   |          |  |  |       |   |
| AKA: $ GA_2\sim a2\times (GU_4, \check{S}E_3) $<br>CDLI: $ GA_2\sim a2\times (GU_4, \check{S}E_3) $<br>10× III: 9p/1u<br>o0980409 ZATU169 |  |   |   |  |  |       |   |
| $ GA_2\sim a2\times X $   | PC25-bk  |  F2429   |          |  |  |       |   |
| 1× III: 1p<br>o0980410  |  |   |   |  |  |       |   |
| $ GA_2\sim a2\times 3(N57) $  | UNP  |  F2543  |   |  |  |       |   |
| 1× III: 1u<br>o0980411  |  |   |   |  |  |       |   |
| $GA_2\sim a3$<br>127D0  |  PC25 |  127D0 |  127D0 |  127D0 |  |       |   |
| 1× III: 1p<br>o0980412 ZATU162  |  |   |   |  |  |       |   |
| $ GA_2\sim a3\times X $   | PC25-bk  |  F242A |        |  |  |       |   |
| 1× IV: 1p<br>o0980413   |  |   |   |  |  |       |   |
| $GA_2\sim a4$<br>127D1  |  PC25 |  127D1 |        |  |  127D1 |       |   |
| 1× IV: 1p<br>o0980414 ZATU162   |  |   |   |  |  |       |   |
| $GA_2\sim b$<br>127D2   |  PC25 |  127D2 |  127D2 |  127D2 |  |       |   |
| 18× IV: 8p/1u; III: 8p<br>o0980415 ZATU162  |  |   |   |  |  |       |   |
| $ GA_2\sim b\times DUB\sim a $<br>127D3   |  PC25 |  127D3 |  F20D7 |  127D3 |  |       |   |
| 11× IV: 1p/2u;<br>III: 5p/3u<br>o0980416 ZATU166  |  |  F20D7 |   |  |  |       |   |
| $ GA_2\sim b\times DUB\sim b $<br>127D4   |  PC25 |  127D4 |        |  |  127D4 |       |   |
| 1× IV: 1p<br>o0980417 ZATU166   |  |   |   |  |  |       |   |
| $ GA_2\sim b\times KU_3\sim a $   | UNP  |  F242B |        |  |  |       |   |
| 1× III: 1u<br>o0980418 ZATU172  |  |   |   |  |  |       |   |
| $ GA_2\sim b\times KU_6\sim a $<br>127D5  |  PC25 |  127D5 |   |  |  |       |  127D5 |
| 1× III: 1p<br>o0980419 ZATU173  |  |   |   |  |  |       |   |

| PCSL   | FONT                        | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|-----------------------------|------|------|------|-------|-------|-------|
| GA <sub>2</sub> ~b×NUN~b <br>1×<br>o0980420  | UNP<br>F252F                |      |      |      |       |       |       |
| GA <sub>2</sub> ~b×ZATU659 <br>127D6<br>1×<br>o0980421                                 | PC25<br>127D6               |      |      |      |       |       |       |
| GA <sub>2</sub> ~c<br>127D7<br>1× III: 1p<br>o0980422                                  | PC25<br>ZATU162<br>127D7    |      |      |      |       |       |       |
| GA'AR~a1<br>127D8<br>44× IV: 1u;<br>III: 41p/1u<br>o0980423                            | PC25<br>ZATU184<br>127D8    |      |      |      |       |       |       |
| GA'AR~a2<br>127D9<br>17× IV: 1p/1u;<br>III: 11p/4u<br>o0980424                         | PC25<br>ZATU184<br>127D9    |      |      |      |       |       |       |
| GA'AR~b1<br>127DA<br>2× IV: 1p; III: 1p<br>o0980425                                    | PC25<br>ZATU184<br>127DA    |      |      |      |       |       |       |
| GA'AR~b2<br>127DB<br>3× IV: 2p; III: 1p<br>o0980426                                    | PC25<br>ZATU184<br>127DB    |      |      |      |       |       |       |
| GADA~a<br>127DC<br>122× IV: 13p/9u;<br>III: 57p/30u<br>o0980427                        | PC25<br>ZATU186<br>127DC    |      |      |      |       |       |       |
| GADA~b<br>1× IV: 1u<br>o0980428  | UNP<br>ZATU186<br>F242C     |      |      |      |       |       |       |
| GADA~b@g<br>127DD<br>8× IV: 2p/4u;<br>III: 1p/1u<br>o0980429                           | PC25<br>ZATU187<br>127DD    |      |      |      |       |       |       |
| GAL~a<br>127DE<br>1236× IV: 52p/12u;<br>III: 890p/261u<br>o0980430                     | PC25<br>ZATU188<br>127DE    |      |      |      |       |       |       |
| GAL~a.BUR <sub>2</sub>  <br>AKA: UŠUMGAL<br>CDLI: UŠUMGAL<br>5× III: 3p/2u<br>o0981495 | PC25-sq<br>ZATU607<br>F223A |      |      |      |       |       |       |
| GAL~a.NI~a <br>AKA: ŠANDANA~b<br>CDLI: ŠANDANA~b<br>1× III: 1u<br>o0981199             | UNP<br>F223B                |      |      |      |       |       |       |
| GAL~a.NIM~a <br>AKA: ŠANDANA~a<br>CDLI: ŠANDANA~a<br>2× III: 2p<br>o0981198            | PC25-sq<br>F223C            |      |      |      |       |       |       |

| PCSL                                    |                          | FONT    | CDLI  | ATU3  | ATU5      | MSVO1 | MSVO4 | CUSAS |
|---|--------------------------|---------|---|-------|-----------|-------|-------|-------|
| <b>GAL~b</b><br>127DF                   |                          | PC25    |   |       |           |       |       |       |
| 11× IV: 3p/2u; III: 5p                  | <a href="#">o0980431</a> | ZATU188 | 127DF   | 127DF | 127DF     |       |       |       |
| <b>GALGA~a</b><br>127E0                 |                          | PC25    |   |       |           |       |       |       |
| 12× III: 12p                            | <a href="#">o0980432</a> | ZATU189 | 127E0   | 127E0 | 127E0     |       |       |       |
| <b>GALGA~b</b>                          |                          | UNP     |   |       |           |       |       |       |
| 3× III: 3u                              | <a href="#">o0980433</a> | ZATU189 | F242D   |       |           |       |       |       |
| <b>GAN~a</b><br>127E1                   |                          | PC25    |   |       |           |       |       |       |
| 50× IV: 2p;<br>III: 39p/9u              | <a href="#">o0980434</a> | ZATU190 | <sup>1</sup> F20D8<br>127E1   | 127E1 | 127E1     | 127E1 | 127E1 |       |
| <b>GAN~b</b><br>127E2                   |                          | PC25    |   |       |           |       |       |       |
| 40× IV: 4p/1u;<br>III: 26p/8u           | <a href="#">o0980435</a> | ZATU190 | <sup>1</sup> F20D9<br><sup>2</sup> F20DA<br><sup>3</sup> F20DB<br>127E2 | 127E2 | F20D9     | F20D9 |       |       |
| <b>GAN~c</b><br>127E3                   |                          | PC25    |   |       |           |       |       |       |
| 40× III: 24p/16u                        | <a href="#">o0980436</a> | ZATU190 | <sup>1</sup> F20DC<br>127E3   | 127E3 | 127E3     |       | 127E3 |       |
| <b>[GAN~c×DIN]</b><br>127E4             |                          | PC25    |   |       |           |       |       |       |
| 1× III: 1p                              | <a href="#">o0980437</a> |         | 127E4   | 127E4 | 127E4 (b) |       |       |       |
| <b>[GAN~c×HI]</b><br>127E5              |                          | PC25    |   |       |           |       |       |       |
| 1× IV: 1p                               | <a href="#">o0980438</a> |         | 127E5   | 127E5 |           |       |       |       |
| <b>[GAN~c×(HI.DIN)]</b><br>127E6        |                          | PC25    |   |       |           |       |       |       |
| 2× IV: 2p                               | <a href="#">o0980439</a> | ZATU191 | 127E6   | 127E6 |           |       |       |       |
| <b>[GAN~c×KAŠ~c]</b><br>127E7           |                          | PC25    |   |       |           |       |       |       |
| 2× III: 2p                              | <a href="#">o0980440</a> |         | 127E7   | 127E7 |           |       |       |       |
| <b>[GAN~c×(KUR~a.A)]</b><br>127E8       |                          | PC25    |   |       |           |       |       |       |
| 1× III: 1p                              | <a href="#">o0980441</a> |         | 127E8   | 127E8 |           |       |       |       |
| <b>[GAN~c×LAGAB~b]</b><br>127E9         |                          | PC25    |   |       |           |       |       |       |
| 2× IV: 1p; III: 1p                      | <a href="#">o0980442</a> | ZATU192 | 127E9   | 127E9 |           |       |       |       |
| <b>[GAN~c×NE~a]</b>                     |                          | UNP     |   |       |           |       |       |       |
| 3× III: 3u                              | <a href="#">o0980443</a> | ZATU193 | F242E   |       |           |       |       |       |
| <b>[GAN~c×SIG<sub>7</sub>]</b><br>127EA |                          | PC25    |   |       |           |       |       |       |
| 1× III: 1p                              | <a href="#">o0980444</a> |         | 127EA   | 127EA |           |       |       |       |

| PCSL  | FONT             | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|------------------|------|------|------|-------|-------|-------|
| GAN~c×ŠE~a <br>4× III: 4u<br>o0980445 ZATU194                             | UNP<br>F2430     |      |      |      |       |       |       |
| GAN~c×ŠE₃@t <br>1× III: 1u<br>o0980446                                    | UNP<br>F2431     |      |      |      |       |       |       |
| GAN~c×X <br>3× IV: 1p; III: 1p/1u<br>o0980447                             | PC25-bk<br>F242F |      |      |      |       |       |       |
| GAN~c×ZATU777 <br>127EB<br>1× III: 1p<br>o0980448                         | PC25<br>127EB    |      |      |      |       |       |       |
| GAN~c×(4(N57).GAR) <br>127EC<br>1× III: 1p<br>o0980449                    | PC25<br>127EC    |      |      |      |       |       |       |
| GAN~d<br>o0980450   | EDI<br>F24D2     |      |      |      |       |       |       |
| GAN~d×GEŠTU~a <br>127ED<br>1× III: 1p<br>o0980451                         | PC25<br>127ED    |      |      |      |       |       |       |
| GAN~d×HI <br>o0980452   | EDI<br>F24FA     |      |      |      |       |       |       |
| GAN₂<br>127EE<br>270×<br>IV: 6p/2u;<br>III: 187p/65u<br>o0980453 ZATU195  | PC25<br>127EE    |      |      |      |       |       |       |
| GAR<br>127EF<br>373×<br>IV: 39p/28u;<br>III: 223p/73u<br>o0980454 ZATU196 | PC25<br>127EF    |      |      |      |       |       |       |
| GAR@g~a<br>127F0<br>4× IV: 4p<br>o0980455 ZATU197                         | PC25<br>127F0    |      |      |      |       |       |       |
| GAR@g~b<br>127F1<br>3× III: 2p/1u<br>o0980456 ZATU197                     | PC25<br>127F1    |      |      |      |       |       |       |
| GAR@g~c<br>127F2<br>3× III: 2p/1u<br>o0980457 ZATU197                     | PC25<br>127F2    |      |      |      |       |       |       |
| GAR₃<br>127F3<br>29× IV: 27p<br>o0980458 ZATU198                          | PC25<br>127F3    |      |      |      |       |       |       |
| GARA₂~a<br>127F4<br>55× IV: 2u;<br>III: 35p/16u<br>o0980459 ZATU199       | PC25<br>127F4    |      |      |      |       |       |       |
| GARA₂~b<br>2× III: 2u<br>o0980460 ZATU199                                 | UNP<br>F2432     |      |      |      |       |       |       |


























































| PCSL  |                          | FONT    | CDLI                        | ATU3  | ATU5  | MSVO1 | MSVO4 | CUSAS |
|---|--------------------------|---------|-----------------------------|-------|-------|-------|-------|-------|
| <b>GAZI</b><br>127F5                          |                          | PC25    |                             |       |       |       |       |       |
| 15× III: 14p/1u                               | <a href="#">o0980461</a> | ZATU200 | 127F5                       | 127F5 |       |       |       |       |
| <b>GEŠTIN-a</b><br>127F6                      |                          | PC25    |                             |       |       |       |       |       |
| 8× III: 6p/2u                                 | <a href="#">o0980462</a> | ZATU202 | 127F6                       | 127F6 |       |       |       |       |
| <b>GEŠTIN~c</b>                               |                          | EDI     |                             |       |       |       |       |       |
|   | <a href="#">o0980463</a> |         | F24D3                       |       |       |       |       |       |
| <b>[GEŠTIN~c×X]</b>                           |                          | EDI     |                             |       |       |       |       |       |
|   | <a href="#">o0980464</a> |         | F24FB                       |       |       |       |       |       |
| <b>GEŠTIN~d</b><br>127F7                      |                          | PC25    |                             |       |       |       |       |       |
| 1× III: 1p                                    | <a href="#">o0980465</a> | ZATU202 | 127F7                       |       |       |       |       | 127F7 |
| <b>GEŠTIN~e</b><br>127F8                      |                          | PC25    |                             |       |       |       |       |       |
| 1× III: 1p                                    | <a href="#">o0980466</a> | ZATU202 | 127F8                       |       |       |       |       | 127F8 |
| <b>GEŠTU~a</b><br>127F9                       |                          | PC25    |                             |       |       |       |       |       |
| 26× IV: 8p/2u;<br>III: 9p/6u                  | <a href="#">o0980467</a> | ZATU203 | 127F9<br>1 F20DD<br>2 F20DE | F20DE | 127F9 |       |       |       |
| <b>[GEŠTU~a.NAGA~a]</b>                       |                          | UNP     |                             |       |       |       |       |       |
| AKA: GIZZAL~v<br>CDLI: GIZZAL~v<br>1× III: 1u | <a href="#">o0980540</a> | ZATU231 | F223D                       |       |       |       |       |       |
| <b>[GEŠTU~a×ŠE~a@t]</b><br>127FA              |                          | PC25    |                             |       |       |       |       |       |
| 1× III: 1p                                    | <a href="#">o0980468</a> |         | 127FA                       |       |       |       |       |       |
| <b>GEŠTU~b</b><br>127FB                       |                          | PC25    |                             |       |       |       |       |       |
| 85× IV: 26p/7u;<br>III: 16p/24u               | <a href="#">o0980469</a> | ZATU203 | 127FB                       | 127FB | 127FB | 127FB | 127FB | 127FB |
| <b>GEŠTU~c3</b><br>127FC                      |                          | PC25    |                             |       |       |       |       |       |
| 9× IV: 2p/1u; III: 6p                         | <a href="#">o0980470</a> | ZATU203 | 127FC<br>1 F20DF            |       |       |       |       |       |
| <b>GEŠTU~c5</b><br>127FD                      |                          | PC25    |                             |       |       |       |       |       |
| 2× III: 2p                                    | <a href="#">o0980471</a> | ZATU203 | 127FD                       |       |       | 127FD |       |       |
| <b>GI</b><br>127FE                            |                          | PC25    |                             |       |       |       |       |       |
| 667× IV: 43p/8u;<br>III: 425p/182u            | <a href="#">o0980472</a> | ZATU204 | 1 F20E0<br>127FE            | 127FE | 127FE | 127FE | 127FE | 127FE |
| <b>[GI×A]</b><br>127FF                        |                          | PC25    |                             |       |       |       |       |       |
| AKA: [GI+A]<br>1× III: 1p                     | <a href="#">o0980473</a> |         | 127FF                       |       |       |       |       | 127FF |

| PCSL   | FONT            | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|-----------------|------|------|------|-------|-------|-------|
| <b>[GI×GIŠ@t]</b><br>12800<br>1× III: 1p<br>o0980474   | PC25<br>ZATU207 |      |      |      |       |       |       |
| <b>[GI×KU~b1]</b><br>12801<br>6× III: 6p<br>o0980475   | PC25            |      |      |      |       |       |       |
| <b>[GI×LAGAB~a]</b><br>12802<br>3× IV: 2p; III: 1u<br>o0980476                                       | PC25<br>ZATU208 |      |      |      |       |       |       |
| <b>[GI×NAM<sub>2</sub>]</b><br>12803<br>2× IV: 1p/1u<br>o0980477                                     | PC25<br>ZATU209 |      |      |      |       |       |       |
| <b>[GI×SIG<sub>2</sub>~d1]</b><br>12804<br>2× IV: 2p<br>o0980478                                     | PC25<br>ZATU210 |      |      |      |       |       |       |
| <b>[GI×ŠE<sub>3</sub>]</b><br>12805<br>5× IV: 1p; III: 4p<br>o0980479                                | PC25            |      |      |      |       |       |       |
| <b>[GI×X]</b><br>1× IV: 1u<br>o0980480   | UNP             |      |      |      |       |       |       |
| <b>[GI×1(N14)]</b><br>12806<br>1× IV: 1p<br>o0980481   | PC25<br>ZATU211 |      |      |      |       |       |       |
| <b>[GI×1(N58@t)]</b><br>12807<br>AKA: [GI×1(N58)@t]<br>CDLI: [GI×1(N58)@t]<br>2× III: 2p<br>o0980482 | PC25            |      |      |      |       |       |       |
| <b>[GI&amp;GI]</b><br>12808<br>83× IV: 1p;<br>III: 63p/19u<br>o0980483                               | PC25            |      |      |      |       |       |       |
| <b>[(GI&amp;GI)×GIŠ@t]</b><br>12809<br>1× IV: 1p<br>o0980484   | PC25            |      |      |      |       |       |       |
| <b>[(GI&amp;GI)×ŠE<sub>3</sub>]</b><br>CDLI: [(GI+&GI)×ŠE <sub>3</sub> ]<br>2× III: 2u<br>o0980485   | UNP<br>ZATU206  |      |      |      |       |       |       |
| <b>[(GI&amp;GI)×X]</b><br>o0980486   | ZERO            |      |      |      |       |       |       |
| <b>[GI&amp;GI&amp;GI]</b><br>1280A<br>2× III: 2p<br>o0980487   | PC25            |      |      |      |       |       |       |
| <b>GI@t</b><br>1280B<br>1× IV: 1p<br>o0980488  | PC25            |      |      |      |       |       |       |

| PCSL   |                          | FONT             | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|--------------------------|------------------|------|------|------|-------|-------|-------|
| <b>GI<sub>4</sub>-a</b><br>1280C                               |                          | PC25<br>1280C    |      |      |      |       |       |       |
| 31× IV: 1p;<br>III: 20p/10u                                    | <a href="#">o0980489</a> | ZATU212          |      |      |      |       |       |       |
| <b> GI<sub>4</sub>-a×A </b><br>1280D                           |                          | PC25<br>1280D    |      |      |      |       |       |       |
| 1× III: 1p   | <a href="#">o0980490</a> |                  |      |      |      |       |       |       |
| <b> GI<sub>4</sub>-a&amp;GI<sub>4</sub>-a </b>                 |                          | UNP<br>F2436     |      |      |      |       |       |       |
| 1× III: 1u   | <a href="#">o0980491</a> |                  |      |      |      |       |       |       |
| <b>GI<sub>4</sub>-b</b><br>1280E                               |                          | PC25<br>1280E    |      |      |      |       |       |       |
| 8× IV: 6p/1u; III: 1p  | <a href="#">o0980492</a> | ZATU212          |      |      |      |       |       |       |
| <b> GI<sub>4</sub>-b&amp;GI<sub>4</sub>-b </b><br>1280F        |                          | PC25<br>1280F    |      |      |      |       |       |       |
| 1× IV: 1p  | <a href="#">o0980493</a> |                  |      |      |      |       |       |       |
| <b>GI<sub>6</sub></b><br>12810                                 |                          | PC25<br>12810    |      |      |      |       |       |       |
| AKA: GI <sub>6</sub> -a<br>129×<br>IV: 14p/1u;<br>III: 71p/38u | <a href="#">o0980494</a> | ZATU213          |      |      |      |       |       |       |
| <b>GIBIL</b><br>12811  |                          | PC25<br>12811    |      |      |      |       |       |       |
| 98× IV: 2p;<br>III: 77p/17u                                    | <a href="#">o0980495</a> | ZATU214          |      |      |      |       |       |       |
| <b>GIBIL@t</b>   |                          | UNP<br>F2437     |      |      |      |       |       |       |
| 1× III: 1u   | <a href="#">o0980496</a> |                  |      |      |      |       |       |       |
| <b>GIG</b>   |                          | EDI<br>F223E     |      |      |      |       |       |       |
|  | <a href="#">o0980498</a> |                  |      |      |      |       |       |       |
| <b>GIL</b>   |                          | EDI<br>F24D4     |      |      |      |       |       |       |
|  | <a href="#">o0980499</a> |                  |      |      |      |       |       |       |
| <b>GIR~a</b><br>12812  |                          | PC25<br>12812    |      |      |      |       |       |       |
| 22× IV: 1p;<br>III: 14p/6u                                     | <a href="#">o0980500</a> | ZATU216          |      |      |      |       |       |       |
| <b> GIR~a.KU<sub>6</sub>~a </b>                                |                          | PC25-sq<br>F223F |      |      |      |       |       |       |
| 1× III: 1p   | <a href="#">o0980501</a> |                  |      |      |      |       |       |       |
| <b>GIR~b</b><br>12813  |                          | PC25<br>12813    |      |      |      |       |       |       |
| 16× IV: 2p;<br>III: 10p/4u                                     | <a href="#">o0980502</a> | ZATU216          |      |      |      |       |       |       |
| <b> GIR~b.GIR~b </b>   |                          | PC25-sq<br>F2240 |      |      |      |       |       |       |
| 4× III: 4p   | <a href="#">o0980503</a> |                  |      |      |      |       |       |       |
| <b>GIR~c</b><br>12814  |                          | PC25<br>12814    |      |      |      |       |       |       |
| 3× III: 3p   | <a href="#">o0980504</a> | ZATU216          |      |      |      |       |       |       |

































































| PCSL  | FONT | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|------|------|------|------|-------|-------|-------|
| <b>GIR~d</b><br>UNP<br>1× IV: 1u<br>o0980505 ZATU216  |      |      |      |      |       |       |       |
| <b>GIR<sub>2</sub>~a</b><br>12815<br>71× IV: 4p/2u;<br>III: 59p/6u<br>o0980506 ZATU218  |      |      |      |      |       |       |       |
| <b>GIR<sub>2</sub>~b</b><br>ZERO<br>o0980507 ZATU218  |      |      |      |      |       |       |       |
| <b>GIR<sub>3</sub>~a</b><br>12816<br>23× IV: 15p/1u;<br>III: 5p/2u<br>o0980508 ZATU219  |      |      |      |      |       |       |       |
| <b>[GIR<sub>3</sub>~a×ŠE~b]</b><br>12817<br>1× IV: 1p<br>o0980509 ZATU220   |      |      |      |      |       |       |       |
| <b>GIR<sub>3</sub>~b</b><br>12818<br>1× IV: 1p<br>o0980510 ZATU219  |      |      |      |      |       |       |       |
| <b>GIR<sub>3</sub>~c</b><br>12819<br>112× IV: 5p/1u;<br>III: 56p/47u<br>o0980511 ZATU219  |      |      |      |      |       |       |       |
| <b>[GIR<sub>3</sub>~c.AB~a]</b><br>AKA: NERGAL~v<br>CDLI: NERGAL~v<br>1× III: 1p<br>o0980912 ZATU392  |      |      |      |      |       |       |       |
| <b>[GIR<sub>3</sub>~c.PIRIG~b1]</b><br>AKA: TIDNUM<br>CDLI: TIDNUM<br>1× III: 1p<br>o0981301 ZATU552  |      |      |      |      |       |       |       |
| <b>[GIR<sub>3</sub>~c×KAR<sub>2</sub>~b]</b><br>AKA: [GIR <sub>3</sub> ~c×KAR <sub>2</sub> ]<br>CDLI: [GIR <sub>3</sub> ~c×KAR <sub>2</sub> ]<br>3× III: 3u<br>o0980512 |      |      |      |      |       |       |       |
| <b>[GIR<sub>3</sub>~c×ŠE<sub>3</sub>]</b><br>1281A<br>2× III: 2p<br>o0980513  |      |      |      |      |       |       |       |
| <b>GIR<sub>3</sub>@g~a</b><br>1281B<br>4× IV: 2p; III: 1p<br>o0980514 ZATU221   |      |      |      |      |       |       |       |
| <b>GIR<sub>3</sub>@g~b</b><br>1281C<br>76× IV: 1p;<br>III: 68p/7u<br>o0980515 ZATU221   |      |      |      |      |       |       |       |



| PCSL   |   | FONT   | CDLI  | ATU3  | ATU5   | MSVO1   | MSVO4   | CUSAS |
|--|---|--|---|---|--|---|---|-------|
| <b>GIR<sub>3</sub>@g~c</b><br>1281D  |    | PC25<br>    |    |   |  |    |   |       |
| AKA: GIR <sub>3</sub> ~c@g<br>11× IV: 1p; III: 4p/6u   | <a href="#">o0980516</a>  | ZATU221  |   |   |  |   |   |       |
| <b>GIR<sub>4</sub></b>   |   | EDI<br>     |    |   |  |   |   |       |
|  | <a href="#">o0980517</a>  |  |   |   |  |   |   |       |
| <b>GISAL~a</b><br>1281E  |    | PC25<br>    |    |   |    |   |   |       |
| 1× IV: 1p  | <a href="#">o0980518</a>  | ZATU222  |   |   |  |   |   |       |
| <b>GISAL~b</b><br>1281F  |    | PC25<br>    |    |   |    |   |   |       |
| 2× IV: 2p  | <a href="#">o0980519</a>  | ZATU222  |   |   |  |   |   |       |
| <b>GIŠ</b><br>12820  |    | PC25<br>    |    |    |    |    |    |       |
| 405× IV: 8p/4u;<br>III: 355p/36u   | <a href="#">o0980520</a>  | ZATU223  |   |   |  |   |   |       |
| <b> GIŠ.TE </b>  |   | PC25-sq<br> |    |   |  |    |    |       |
| 27× III: 24p/3u  | <a href="#">o0980521</a>  | ZATU226  |   |   |  |   |   |       |
| <b> GIŠ*(DIN.DIN)~a </b><br>12821  |    | PC25<br>    |    |    |  |   |   |       |
| 4× III: 4p   | <a href="#">o0980522</a>  | ZATU224  |   |   |  |   |   |       |
| <b> GIŠ*(DIN.DIN)~b </b><br>12822  |   | PC25<br>   |   |   |  |   |   |       |
| 1× IV: 1p  | <a href="#">o0980523</a>  | ZATU224  |   |   |  |   |   |       |
| <b> GIŠ*(DIN.DIN)~c </b><br>12823  |  | PC25<br>  |  |  |  |   |   |       |
| 1× III: 1p   | <a href="#">o0980524</a>  | ZATU224  |   |   |  |   |   |       |
| <b> GIŠ*ŠU<sub>2</sub>~a </b><br>12824   |  | PC25<br>  |  |  |  |  |  |       |
| AKA:  GIŠ*ŠU <sub>2</sub> ~a <br>CDLI:  GIŠ*ŠU <sub>2</sub> ~a <br>42× IV: 1p;<br>III: 28p/12u | <a href="#">o0980525</a>  | ZATU225  |   |   |  |   |   |       |
| <b> GIŠ*ŠU<sub>2</sub>~b </b><br>12825   |  | PC25<br>  |  |  |  |   |   |       |
| AKA:  GIŠ*ŠU <sub>2</sub> ~b <br>CDLI:  GIŠ*ŠU <sub>2</sub> ~b <br>16× III: 16p                | <a href="#">o0980526</a>  | ZATU225  |   |   |  |   |   |       |
| <b>GIŠ~v</b>   |   | EDI<br>   |  |   |  |   |   |       |
| CDLI: GIŠ~x  | <a href="#">o0980527</a>  |  |   |   |  |   |   |       |
| <b>GIŠ@t</b><br>12826  |  | PC25<br>  |  |  |  |  |  |       |
| 37× IV: 7p/1u;<br>III: 27p/2u  | <a href="#">o0980528</a>  | ZATU227  |   |   |  |   |   |       |
| <b> GIŠ@t.E<sub>2</sub>~a </b>   |   | EDI<br>   |  |   |  |   |   |       |
|  | <a href="#">o0980529</a>  |  |   |   |  |   |   |       |









































































| PCSL  |                          | FONT     | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|--------------------------|----------|------|------|------|-------|-------|-------|
| GIŠ <sub>3</sub> ~a<br>12827                      |                          | PC25<br> |      |      |      |       |       |       |
| 14× III: 11p/2u                                   | <a href="#">o0980530</a> | ZATU228  |      |      |      |       |       |       |
| GIŠ <sub>3</sub> ~a&GIŠ <sub>3</sub> ~a <br>12828 |                          | PC25<br> |      |      |      |       |       |       |
| 3× III: 2p/1u                                     | <a href="#">o0980531</a> |          |      |      |      |       |       |       |
| GIŠ <sub>3</sub> ~b<br>12829                      |                          | PC25<br> |      |      |      |       |       |       |
| 54× III: 18p/35u                                  | <a href="#">o0980532</a> | ZATU228  |      |      |      |       |       |       |
| GIŠGAL<br>1282A                                   |                          | PC25<br> |      |      |      |       |       |       |
| 10× III: 9p/1u                                    | <a href="#">o0980533</a> | ZATU229  |      |      |      |       |       |       |
| GIŠIMMAR~a1<br>1282B                              |                          | PC25<br> |      |      |      |       |       |       |
| 6× IV: 3p/1u; III: 2p                             | <a href="#">o0980534</a> | ZATU230  |      |      |      |       |       |       |
| GIŠIMMAR~a2<br>1282C                              |                          | PC25<br> |      |      |      |       |       |       |
| 9× IV: 1p; III: 5p/1u                             | <a href="#">o0980535</a> | ZATU230  |      |      |      |       |       |       |
| GIŠIMMAR~a3<br>1282D                              |                          | PC25<br> |      |      |      |       |       |       |
| 2× III: 1p/1u                                     | <a href="#">o0980536</a> | ZATU230  |      |      |      |       |       |       |
| GIŠIMMAR~b1<br>1282E                              |                          | PC25<br> |      |      |      |       |       |       |
| 45× IV: 3p;<br>III: 36p/4u                        | <a href="#">o0980537</a> | ZATU230  |      |      |      |       |       |       |
| GIŠIMMAR~b2<br>1282F                              |                          | PC25<br> |      |      |      |       |       |       |
| 1× IV: 1p   | <a href="#">o0980538</a> | ZATU230  |      |      |      |       |       |       |
| GIŠIMMAR~b3<br>12830                              |                          | PC25<br> |      |      |      |       |       |       |
| 2× IV: 1p; III: 1p                                | <a href="#">o0980539</a> | ZATU230  |      |      |      |       |       |       |
| GU<br>12831                                       |                          | PC25<br> |      |      |      |       |       |       |
| AKA: GU~a<br>101×<br>IV: 2p/2u;<br>III: 54p/43u   | <a href="#">o0980541</a> | ZATU232  |      |      |      |       |       |       |
| GU <sub>2</sub><br>12832                          |                          | PC25<br> |      |      |      |       |       |       |
| 2× III: 2p  | <a href="#">o0980542</a> | ZATU233  |      |      |      |       |       |       |
| GU <sub>4</sub><br>12833                          |                          | PC25<br> |      |      |      |       |       |       |
| 201×<br>IV: 49p/4u;<br>III: 107p/37u              | <a href="#">o0980543</a> | ZATU234  |      |      |      |       |       |       |

| PCSL  |                          | FONT    | CDLI | ATU3  | ATU5  | MSVO1 | MSVO4 | CUSAS |
|---|--------------------------|---------|------|-------|-------|-------|-------|-------|
| <b> GU<sub>4</sub>ZATU755~b </b>            | PC25-sq                  |         |      |       |       |       |       |       |
| AKA:  GU <sub>4</sub> ZATU755~a             |                          | F2245   |      |       | F2245 |       |       |       |
| CDLI:  GU <sub>4</sub> ZATU755~a            |                          |         |      |       |       |       |       |       |
| 1× IV: 1p                                   | <a href="#">o0980544</a> |         |      |       |       |       |       |       |
| <b> GU<sub>4</sub>×1(N58) </b>              | ZERO                     |         |      |       |       |       |       |       |
| CDLI: *GU <sub>4</sub> +1N58                | <a href="#">o0982249</a> | F2541   |      |       | F2541 |       |       |       |
| <b>GU<sub>4</sub>@g</b>                     | PC25                     |         |      |       |       |       |       |       |
| 12834                                       |                          | 12834   |      |       |       | 12834 | F20EA |       |
| 5× III: 3p/2u                               | <a href="#">o0980546</a> | F20EA   |      |       |       |       |       |       |
| <b>GU<sub>7</sub></b>                       | PC25                     |         |      |       |       |       |       |       |
| 12835                                       |                          | 12835   |      |       |       | 12835 | 12835 |       |
| 314× IV: 6p/4u;<br>III: 244p/58u            | <a href="#">o0980547</a> | ZATU235 |      |       |       |       |       |       |
| <b>GUB<sub>3</sub>~a</b>                    | PC25                     |         |      |       |       |       |       |       |
| 12836                                       |                          | 12836   |      | 12836 |       |       |       |       |
| 11× IV: 1p/4u;<br>III: 3p/3u                | <a href="#">o0980548</a> | ZATU236 |      |       |       |       |       |       |
| <b>GUB<sub>3</sub>~b</b>                    | PC25                     |         |      |       |       |       |       |       |
| 12837                                       |                          | 12837   |      | 12837 |       |       |       |       |
| 2× III: 1p/1u                               | <a href="#">o0980549</a> | ZATU236 |      |       |       |       |       |       |
| <b>GUB<sub>3</sub>~c</b>                    | PC25                     |         |      |       |       |       |       |       |
| 12838                                       |                          | 12838   |      |       |       |       |       |       |
| 3× IV: 1p; III: 2p                          | <a href="#">o0980550</a> | ZATU236 |      |       |       |       |       |       |
| <b>GUB<sub>3</sub>~d</b>                    | PC25                     |         |      |       |       |       |       |       |
| 12839                                       |                          | 12839   |      |       |       |       | F20EC |       |
| 1× III: 1p                                  | <a href="#">o0980551</a> | ZATU236 |      |       |       |       |       |       |
| <b>GUG<sub>2</sub></b>                      | PC25                     |         |      |       |       |       |       |       |
| 1283A                                       |                          | F20ED   |      |       |       |       |       |       |
| AKA: GUG <sub>2</sub> ~a                    |                          | 1283A   |      |       |       |       |       |       |
| 190× IV: 36p/5u;<br>III: 113p/36u           | <a href="#">o0980552</a> | ZATU237 |      |       |       |       |       |       |
| <b> GUG<sub>2</sub>×SILA<sub>3</sub>~a </b> | PC25                     |         |      |       |       |       |       |       |
| 1283B                                       |                          | 1283B   |      |       |       |       |       |       |
| 1× IV: 1p                                   | <a href="#">o0980553</a> | ZATU238 |      |       |       |       |       |       |
| <b> GUG<sub>2</sub>×ŠITA~a1 </b>            | UNP                      |         |      |       |       |       |       |       |
| 1283C                                       |                          | F24FC   |      |       |       |       |       |       |
| 1× III: 1u                                  | <a href="#">o0980554</a> |         |      |       |       |       |       |       |
| <b> GUG<sub>2</sub>×TUR </b>                | PC25                     |         |      |       |       |       |       |       |
| 1283C                                       |                          | 1283C   |      |       |       |       |       |       |
| 1× IV: 1p                                   | <a href="#">o0980555</a> | ZATU239 |      |       |       |       |       |       |
| <b>GUG<sub>2</sub>@t</b>                    | ZERO                     |         |      |       |       |       |       |       |
|   | <a href="#">o0980556</a> | F243B   |      |       |       |       |       |       |
| <b>GUKKAL~a</b>                             | PC25                     |         |      |       |       |       |       |       |
| 1283D                                       |                          | 1283D   |      |       |       | 1283D |       |       |
| 28× IV: 26p; III: 1p                        | <a href="#">o0980557</a> | ZATU240 |      |       |       |       |       |       |

| PCSL   | FONT               | CDLI  | ATU3  | ATU5   | MSVO1  | MSVO4   | CUSAS   |
|--|--------------------|---|---|--|--|---|---|
| GUKKAL~a.HI@g~a <br>2× IV: 2p<br>o0980558                          | PC25-sq<br>ZATU241 |    |    |    |    |   |   |
| GUKKAL~b<br>1283E<br>2× IV: 2p<br>o0980559                         | PC25<br>ZATU240    |    |    |    |    |   |   |
| GUKKAL~c<br>1283F<br>9× III: 6p/1u<br>o0980560                     | PC25<br>ZATU240    |    |    |     |     |   |   |
| GUKKAL~d<br>12840<br>1× IV: 1p<br>o0980561                         | PC25<br>ZATU240    |    |    |    |    |   |   |
| GUL<br>12841<br>28× IV: 3p;<br>III: 21p/3u<br>o0980562             | PC25<br>ZATU242    |    |    |     |     |    |    |
| GUM~a<br>12842<br>16× IV: 13p/1u;<br>III: 1p<br>o0980563           | PC25<br>ZATU243    |    |    |    |    |   |   |
| GUM~b<br>12843<br>41× IV: 3p/1u;<br>III: 25p/10u<br>o0980564       | PC25<br>ZATU243    |    |    |     |     |    |    |
| GUM~b@n<br>12844<br>1× III: 1p<br>o0980565                         | PC25<br>ZATU244    |    |    |     |     |   |   |
| GUN <sub>3</sub> ~a<br>12845<br>13× IV: 1p; III: 7p/5u<br>o0980566 | PC25<br>ZATU245    |    |    |    |    |   |   |
| GUN <sub>3</sub> ~b<br>12846<br>10× IV: 1u; III: 6p/3u<br>o0980567 | PC25<br>ZATU245    |   |   |    |    |   |   |
| GUR<br>12847<br>2× III: 2p<br>o0980568                             | PC25<br>ZATU246    |  |  |   |   |   |   |
| GURUŠ~a<br>12848<br>64× IV: 22p/2u;<br>III: 22p/15u<br>o0980569    | PC25<br>ZATU247    |  |  |   |   |  |  |
| GURUŠ~a×2(N14) <br>12849<br>4× IV: 2p/2u<br>o0980570               | PC25<br>ZATU248    |  |  |   |   |   |   |
| GURUŠ~b<br>1284A<br>4× IV: 4p<br>o0980571                          | PC25<br>ZATU247    |  |  |  |  |   |   |


























































| PCSL  |                          | FONT                               | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|--------------------------|------------------------------------|------|------|------|-------|-------|-------|
| GURUŠ-b×2(N14) <br>1284B                              |                          | PC25<br>1284B                      |      |      |      |       |       |       |
| 2× IV: 1p/1u  | <a href="#">o0980572</a> | ZATU248                            |      |      |      |       |       |       |
| GURUŠ-c×2(N14) <br>1284C                              |                          | PC25<br>1284C                      |      |      |      |       |       |       |
| 1× III: 1p  | <a href="#">o0980573</a> | ZATU248                            |      |      |      |       |       |       |
| GURUŠDA<br>1284D                                      |                          | PC25<br>1284D                      |      |      |      |       |       |       |
| AKA: GURUŠDA~a<br>80× IV: 35p/3u;<br>III: 27p/8u      | <a href="#">o0980574</a> | ZATU249                            |      |      |      |       |       |       |
| HAL<br>1284E  |                          | PC25<br>1284E                      |      |      |      |       |       |       |
| 90× IV: 2p/2u;<br>III: 66p/18u                        | <a href="#">o0980575</a> | ZATU250                            |      |      |      |       |       |       |
| HALUB<br>1284F  |                          | PC25<br>1284F                      |      |      |      |       |       |       |
| 11× III: 11p  | <a href="#">o0980576</a> | ZATU251                            |      |      |      |       |       |       |
| HAŠHUR<br>12850                                       |                          | PC25<br>12850                      |      |      |      |       |       |       |
| 112× IV: 41p/9u;<br>III: 45p/14u                      | <a href="#">o0980577</a> | ZATU252                            |      |      |      |       |       |       |
| HAŠHUR×MA <br>12851                                   |                          | PC25<br>12851                      |      |      |      |       |       |       |
| 3× IV: 2p; III: 1p                                    | <a href="#">o0980578</a> | ZATU253                            |      |      |      |       |       |       |
| HI<br>12852   |                          | PC25<br>12852                      |      |      |      |       |       |       |
| AKA: HI~a<br>349× IV: 13p/4u;<br>III: 216p/105u       | <a href="#">o0980579</a> | ZATU254                            |      |      |      |       |       |       |
| HI.LAGAB~a <br>12851                                  |                          | PC25-sq<br>F2247                   |      |      |      |       |       |       |
| AKA:  HI×LAGAB~a <br>CDLI:  HI×LAGAB~a <br>3× III: 3p | <a href="#">o0980581</a> |                                    |      |      |      |       |       |       |
| HI.SUHUR <br>12851                                    |                          | PC25-sq<br>F20F4<br>F20F5<br>F20F3 |      |      |      |       |       |       |
| 7× IV: 2u; III: 2p/3u                                 | <a href="#">o0980580</a> | ZATU256                            |      |      |      |       |       |       |
| HI×ŠE <sub>3</sub> @t <br>12851                       |                          | EDI<br>F24FE                       |      |      |      |       |       |       |
| <a href="#">o0980582</a>                              |                          |                                    |      |      |      |       |       |       |
| HI×ZATU707~a <br>12851                                |                          | UNP<br>F243C                       |      |      |      |       |       |       |
| 1× IV: 1u   | <a href="#">o0980583</a> | ZATU257                            |      |      |      |       |       |       |
| HI×1(N01@f) <br>12851                                 |                          | EDI<br>F24FD                       |      |      |      |       |       |       |
| CDLI:  HI×1(N01)F                                     | <a href="#">o0980584</a> |                                    |      |      |      |       |       |       |


























































| PCSL  |                          | FONT  | CDLI | ATU3          | ATU5      | MSVO1     | MSVO4         | CUSAS     |
|---|--------------------------|---|------|---------------|-----------|-----------|---------------|-----------|
| <b> HI×1(N57) </b><br>12853                             |                          | PC25<br><br>12853                               |      | <br>12853 (b) |           |           | <br>12853     |           |
| 12× IV: 1p; III: 9p/2u                                  | <a href="#">o0980585</a> |   |      |               |           |           |               |           |
| <b> HI×1(N57)·(HI×1(N57)) </b>                          |                          | PC25-sq<br><br>F20F6<br><br>1 F20F7             |      |               |           |           |               |           |
| CDLI:  (HI×1(N57))·(HI×1(N57)) <br>1× III: 1p           | <a href="#">o0980586</a> |   |      |               |           |           |               |           |
| <b> HI×1(N57@t) </b><br>12854                           |                          | PC25<br><br>12854                               |      |               | <br>12854 |           | <br>12854 (a) |           |
| AKA:  HI×1(N57)@t <br>CDLI:  HI×1(N57)@t <br>2× III: 2p | <a href="#">o0980587</a> | ZATU255   |      |               |           |           |               |           |
| <b> HI×1(N58) </b>                                      |                          | UNP<br><br>F243D                                |      |               |           |           |               |           |
| 1× IV: 1u   | <a href="#">o0980588</a> |   |      |               |           |           |               |           |
| <b>HI~b</b>   |                          | UNP<br><br>F2530                                |      |               |           |           |               |           |
| 1×  | <a href="#">o0980589</a> | ZATU254   |      |               |           |           |               |           |
| <b>HI@g~a</b><br>12855                                  |                          | PC25<br><br>12855                               |      |               | <br>12855 | <br>12855 | <br>12855     | <br>12855 |
| AKA: HI@g HI~a@g<br>176× IV: 9p;<br>III: 126p/33u       | <a href="#">o0980590</a> | ZATU258   |      |               |           |           |               |           |
| <b>HI@g~b</b><br>12856                                  |                          | PC25<br><br>12856                               |      | <br>12856     | <br>12856 | <br>12856 | <br>12856     | <br>12856 |
| 12× IV: 2p; III: 8p/2u                                  | <a href="#">o0980591</a> | ZATU258   |      |               |           |           |               |           |
| <b>HI@g~c</b><br>12857                                  |                          | PC25<br><br>12857                               |      |               |           |           |               |           |
| 1× III: 1p  | <a href="#">o0980592</a> | ZATU258   |      |               |           |           |               |           |
| <b>HUB<sub>2</sub></b>                                  |                          | EDI<br><br>F24D7                                |      |               |           |           |               |           |
| <a href="#">o0980593</a>                                |                          |   |      |               |           |           |               |           |
| <b>I</b><br>12858                                       |                          | PC25<br><br>12858                               |      | <br>12858     | <br>12858 | <br>12858 | <br>12858     | <br>12858 |
| 43× IV: 1p;<br>III: 23p/19u                             | <a href="#">o0980594</a> | ZATU259   |      |               |           |           |               |           |
| <b>IB~a</b><br>12859                                    |                          | PC25<br><br>12859<br><br>1 F20F8<br><br>2 F20F9 |      | <br>12859     | <br>12859 | <br>12859 | <br>12859     | <br>12859 |
| 393× IV: 43p/9u;<br>III: 220p/110u                      | <a href="#">o0980595</a> | ZATU260   |      |               |           |           |               |           |
| <b>IB~a@n</b><br>1285A                                  |                          | PC25<br><br>1285A                               |      |               |           |           |               |           |
| CDLI:  IB~a@n <br>1× III: 1p                            | <a href="#">o0980596</a> |   |      |               |           |           |               |           |
| <b>IB~b</b><br>1285B                                    |                          | PC25<br><br>1285B                               |      | <br>1285B     | <br>1285B |           |               |           |
| 9× IV: 7p; III: 1p                                      | <a href="#">o0980597</a> | ZATU260   |      |               |           |           |               |           |























































| PCSL                            |   | FONT   | CDLI  | ATU3  | ATU5  | MSVO1   | MSVO4   | CUSAS   |
|---------------------------------|---|--|---|---|---|---|---|---|
| <b>IB~c</b><br>1285C            |    | PC25<br>      |   |   |   |   |   |  |
| 5× III: 5p                      | <a href="#">o0980598</a>  | ZATU260  |   |   |   |   |   |   |
| <b>IDIGNA</b><br>1285D          |    | PC25<br>      |    |    |   |   |   |   |
| 57× IV: 9p;<br>III: 33p/11u     | <a href="#">o0980599</a>  | ZATU261  |    |    |    |     |   |   |
| <b>IG~a</b><br>1285E            |    | PC25<br>      |    |   |   |    |   |   |
| 2× III: 2p                      | <a href="#">o0980600</a>  |  |   |   |   |   |   |   |
| <b>IG~b</b><br>1285F            |    | PC25<br>      |    |   |   |   |   |   |
| 2× III: 1p/1u                   | <a href="#">o0980601</a>  |  |   |   |   |   |   |   |
| <b>IGI</b>                      |   | EDI<br>       |    |   |   |   |   |   |
|                                 | <a href="#">o0980602</a>  |  |    |   |   |   |   |   |
| <b>IL</b><br>12860              |    | PC25<br>      |    |   |   |    |   |   |
| 10× III: 8p/2u                  | <a href="#">o0980603</a>  | ZATU262  |   |   |   |   |   |   |
| <b>IM~a</b><br>12861            |    | PC25<br>      |    |    |   |    |    |   |
| 97× III: 65p/32u                | <a href="#">o0980606</a>  | ZATU264  |   |   |   |   |   |   |
| <b>IM~a@g</b>                   |   | EDI<br>      |   |   |   |   |   |   |
|                                 | <a href="#">o0980607</a>  |  |   |   |   |   |   |   |
| <b>IM~b</b><br>12862            |  | PC25<br>    |  |  |   |   |  |   |
| 13× III: 9p/2u                  | <a href="#">o0980608</a>  | ZATU264  |   |   |   |   |   |   |
| <b>IN~b</b><br>12863            |  | PC25<br>    |  |  |   |  |   |   |
| 29× IV: 2p/1u;<br>III: 21p/5u   | <a href="#">o0980609</a>  | ZATU265  |  |  |  |  |   |   |
| <b>IN~d</b><br>12864            |  | PC25<br>    |  |  |   |   |   |   |
| 1× III: 1p                      | <a href="#">o0980610</a>  | ZATU266  |   |   |   |   |   |   |
| <b>IR~a</b><br>12865            |  | PC25<br>    |  |  |  |    |   |   |
| 47× IV: 2p;<br>III: 39p/3u      | <a href="#">o0980611</a>  | ZATU267  |   |   |   |   |   |   |
| <b>[IR~a.GA<sub>2</sub>~a1]</b> |   | PC25-sq<br> |  |   |   |   |   |   |
| 1× III: 1p                      | <a href="#">o0980612</a>  |  |  |   |   |   |   |   |
| <b>IR~b</b><br>12866            |  | PC25<br>    |  |  |  |   |   |   |
| 2× III: 2p                      | <a href="#">o0980613</a>  | ZATU267  |   |   |   |   |   |   |
| <b>IR~c</b><br>12867            |  | PC25<br>    |  |  |   |   |   |   |
| 1× IV: 1p                       | <a href="#">o0980614</a>  | ZATU267  |   |   |   |   |   |   |

| PCSL                           |                          | FONT    | CDLI  | ATU3  | ATU5  | MSVO1          | MSVO4 | CUSAS |
|--------------------------------|--------------------------|---------|---|-------|-------|----------------|-------|-------|
| IR~d<br>12868                  |                          | PC25    |   |       |       |                |       |       |
| 1× IV: 1p                      | <a href="#">o0980615</a> | ZATU267 | 12868   |       |       |                |       |       |
| IRHAN                          |                          | PC25-bk |   |       |       |                |       |       |
| 1× III: 1p                     | <a href="#">o0980617</a> | ZATU269 | F243E   |       |       |                |       |       |
| IŠ~a<br>12869                  |                          | PC25    |   |       |       |                |       |       |
| 26× IV: 3p;<br>III: 18p/4u     | <a href="#">o0980618</a> | ZATU270 | 1<br>F20FE<br>12869<br>2<br>F20FF<br>3<br>F2100                             |       | F20FF | F20FE<br>12869 | F2100 |       |
| IŠ~b<br>1286A                  |                          | PC25    |   |       |       |                |       |       |
| 74× IV: 4p/1u;<br>III: 46p/19u | <a href="#">o0980619</a> | ZATU270 | 1286A<br>1<br>F2101<br>2<br>F2102<br>3<br>F2103<br>4<br>F2104<br>5<br>F2105 |       | F2101 | 1286A<br>F2101 | F2101 |       |
| IŠ~c<br>1286B                  |                          | PC25    |   |       |       |                |       |       |
| 2× IV: 1p; III: 1u             | <a href="#">o0980620</a> | ZATU270 | 1286B   |       | 1286B |                |       |       |
| KA~a<br>1286C                  |                          | PC25    |   |       |       |                |       |       |
| 97× IV: 4p/1u;<br>III: 48p/43u | <a href="#">o0980621</a> | ZATU271 | 1286C   | 1286C | 1286C | 1286C          | 1286C |       |
| KA~a.ŠE~a                      |                          | PC25-sq |   |       |       |                |       |       |
| 1× III: 1p                     | <a href="#">o0980622</a> | ZATU274 | F2106<br>1<br>F2107   |       |       |                |       |       |
| KA~a×SAR~a <br>1286D           |                          | PC25    |   |       |       |                |       |       |
| 1× III: 1p                     | <a href="#">o0980623</a> | ZATU273 | 1286D   | 1286D |       |                |       |       |
| KA <sub>2</sub> ~a<br>1286E    |                          | PC25    |   |       |       |                |       |       |
| 13× IV: 2p; III: 9p/2u         | <a href="#">o0980624</a> | ZATU275 | 1286E   |       |       |                |       |       |
| KA <sub>2</sub> ~b<br>1286F    |                          | PC25    |   |       |       |                |       |       |
| 6× III: 3p/2u                  | <a href="#">o0980625</a> | ZATU275 | 1286F   |       |       |                |       |       |
| KA <sub>2</sub> ~c             |                          | UNP     |   |       |       |                |       |       |
| 1× IV: 1u                      | <a href="#">o0980626</a> | ZATU275 | F243F   |       |       |                |       |       |












































































































| PCSL  | FONT   | CDLI   | ATU3  | ATU5   | MSVO1   | MSVO4  | CUSAS  |
|---|--|--|---|--|---|--|--|
| <b>KA<sub>2</sub>~d</b><br>o0980627   | EDI<br><br>F24DA      |   |   |  |   |  |  |
| <b>[KA<sub>2</sub>~d×LAM~b]</b><br>12870<br>AKA: [KA <sub>2</sub> ×LAM]<br>CDLI: [KA <sub>2</sub> ×LAM]<br>20× IV: 2p;<br>III: 17p/1u<br>o0980628 | PC25<br><br>ZATU276   | <br>12870<br><br>F2108     |    | <br>12870 (o) | <br>12870 (o) | <br>12870 (o) |  |
| <b>KAB</b><br>12871<br>AKA: TUKU<br>146×<br>IV: 34p/9u;<br>III: 62p/30u<br>o0980629   | PC25<br><br>ZATU277   | <br>12871   |    | <br>12871     | <br>12871     | <br>12871     | <br>12871 |
| <b>[KAB×1(N58)]</b><br>AKA: [TUKU+DIŠ]<br>3× IV: 1u; III: 2u<br>o0980630  | UNP<br>ZATU278   | <br>F2440   |    |  |   |  |  |
| <b>KAD<sub>4</sub>~a</b><br>12872<br>9× III: 9p<br>o0980631   | PC25<br><br>ZATU279   | <br>12872   |    | <br>12872     |   |  |  |
| <b>KAD<sub>4</sub>~b</b><br>12873<br>2× III: 2p<br>o0980632   | PC25<br><br>ZATU279   | <br>12873   |    | <br>12873     |   |  |  |
| <b>KAD<sub>4</sub>~c1</b><br>1× IV: 1u<br>o0980633  | UNP<br>ZATU279   | <br>F2441   |  |  |   |  |  |
| <b>KAD<sub>4</sub>~c2</b><br>1× IV: 1u<br>o0980634  | UNP<br>ZATU279   | <br>F2442   |  |  |   |  |  |
| <b>KAK~a</b><br>12874<br>51× IV: 3p;<br>III: 36p/11u<br>o0980635  | PC25<br><br>ZATU280 | <br>12874   |  | <br>12874   | <br>12874   | <br>12874   |  |
| <b>[KAK~a.GA<sub>2</sub>~a1]</b><br>3× III: 3p<br>o0980636  | PC25-sq<br>ZATU280   | <br>F2249   |  | <br>F2249   |   |  |  |
| <b>KAK~b</b><br>12875<br>1× IV: 1p<br>o0980637  | PC25<br><br>ZATU280 | <br>12875   |  |  | <br>12875   |  |  |
| <b>KAL~a</b><br>12876<br>5× III: 5p<br>o0980638   | PC25<br><br>ZATU281 | <br>12876   |  | <br>12876   |   |  |  |
| <b>KAL~b1</b><br>12877<br>2× III: 2p<br>o0980639  | PC25<br><br>ZATU281 | <br>12877<br><br>F2109 |  | <br>12877   |   | <br>12877   |  |
| <b>KAL~b2</b><br>12878<br>15× III: 8p/7u<br>o0980640  | PC25<br><br>ZATU281 | <br>12878   |  | <br>12878   |   |  |  |























































| PCSL                              |   | FONT    | CDLI  | ATU3  | ATU5  | MSVO1  | MSVO4   | CUSAS   |
|-----------------------------------|---|---------|---|---|---|--|---|---|
| <b>KALAM~a</b><br>12879           |    | PC25    |    |    |   |    |    |    |
| 55× IV: 2p/1u;<br>III: 28p/23u    | <a href="#">o0980641</a>  | ZATU282 | 12879   |   |   | 12879  | 12879   | 12879   |
| <b>KALAM~b</b><br>1287A           |    | PC25    |    |    |   |   |    |   |
| 54× IV: 3u;<br>III: 31p/20u       | <a href="#">o0980642</a>  | ZATU282 | 1287A   |   |   | 1287A  | 1287A   |   |
| <b>KALAM~c</b><br>1287B           |    | PC25    |    |    |   |  |   |   |
| 1× III: 1p                        | <a href="#">o0980643</a>  | ZATU282 | 1287B   |   |   |  |   |   |
| <b>KALAM~d</b><br>1287C           |    | PC25    |    |    |   |  |   |   |
| 1× III: 1p                        | <a href="#">o0980644</a>  | ZATU282 | 1287C   |   |   |  |   |   |
| <b>KALAM~e</b><br>1287D           |    | PC25    |    |    |   |  |   |   |
| 1× III: 1p                        | <a href="#">o0980645</a>  | ZATU282 | 1287D   |   |   |  |   |   |
| <b>KALAM~f</b><br>1287E           |    | PC25    |    |    |   |  |   |   |
| 1× III: 1p                        | <a href="#">o0980646</a>  | ZATU282 | 1287E   |   |   |  |   |   |
| <b>KALAM~g</b><br>1287F           |    | PC25    |    |   |   |  |   |    |
| 6× III: 6p                        | <a href="#">o0980647</a>  | ZATU282 | 1287F   |   |   |  |   | 1287F   |
| <b>KALAM~h</b><br>12880           |   | PC25    |   |   |   |  |   |   |
| 3× III: 2p                        | <a href="#">o0980648</a>  | ZATU282 | 12880   |   |   |  |   | 12880   |
| <b>KALAM~h2</b><br>12881          |  | PC25    |  |   |   |  |   |  |
| 1× III: 1p                        | <a href="#">o0980649</a>  | ZATU282 | 12881   |   |   |  |   | 12881   |
| <b>KAR<sub>2</sub>~a</b><br>12882 |  | PC25    |  |  |  |  |  |   |
| 63× IV: 1p/1u;<br>III: 51p/10u    | <a href="#">o0980651</a>  | ZATU284 | 12882   |   | 12882   |  | 12882   |   |
| <b>KAR<sub>2</sub>~b</b><br>12883 |  | PC25    |  |  |  |  |   |   |
| 11× IV: 1p; III: 8p/2u            | <a href="#">o0980652</a>  | ZATU284 | 12883   |   | 12883   |  |   |   |
| <b>KASKAL</b><br>12884            |  | PC25    |  |  |  |  |  |  |
| 58× IV: 6p/1u;<br>III: 28p/22u    | <a href="#">o0980653</a>  | ZATU285 | 12884   |   | 12884   | 12884  | 12884   | 12884   |
| <b>KASKAL@g</b>                   |   | UNP     |  |  |   |  |   |   |
| CDLI:  KASKAL@g <br>1× III: 1u    | <a href="#">o0980654</a>  |         | F2443   |   |   |  |   |   |
| <b>KAS~a</b><br>12885             |  | PC25    |  |  |  |  |  |  |
| 122× IV: 15p/4u;<br>III: 92p/9u   | <a href="#">o0980655</a>  | ZATU286 | <sup>1</sup><br>F210A<br>12885  |   | 12885   | 12885  | 12885   | 12885   |

| PCSL   |   | FONT                   | CDLI  | ATU3  | ATU5  | MSVO1   | MSVO4   | CUSAS   |
|--|---|------------------------|---|---|---|---|---|---|
| <b>KAŠ~b</b><br>12886                                |    | PC25<br>F210B<br>12886 |    |    |   |    |    |   |
| 126×<br>IV: 30p/7u;<br>III: 64p/21u                  | <a href="#">o0980656</a>  | ZATU286                |   | 12886   | F210B<br>12886  | 12886   | 12886   |   |
| <b> KAŠ~b×ŠE~a@t </b><br>12887                       |    | PC25                   |    |   |   |   |   |   |
| AKA:  KAŠ~b×ŠE~a <br>CDLI:  KAŠ~b×ŠE~a <br>2× IV: 2p | <a href="#">o0980657</a>  | ZATU288                | 12887   |   |   |   |   |   |
| <b>KAŠ~b@t</b>                                       |   | ZERO                   |    |    |   |   |   |   |
| CDLI:  KAŠ~b@t                                       | <a href="#">o0980658</a>  |                        | F2444   |   |   |   |   |   |
| <b>KAŠ~c</b><br>12888                                |    | PC25                   |    |    |    |    |    |   |
| 150×<br>IV: 25p/11u;<br>III: 47p/67u                 | <a href="#">o0980659</a>  | ZATU287                | 12888   | 12888   | 12888   | 12888   | 12888   |   |
| <b>KAŠ~d</b><br>12889                                |    | PC25                   |    |    |   |   |   |    |
| 19× III: 19p   | <a href="#">o0980660</a>  | ZATU286                | 12889<br>F210C  |   |   |   |   | F210C   |
| <b>KEŠ<sub>2</sub></b>                               |   | EDI                    |    |    |   |   |   |   |
|  | <a href="#">o0980661</a>  |                        | F24DB   |   |   |   |   |   |
| <b>KI</b><br>1288A                                   |  | PC25                   |  |  |  |   |  |  |
| AKA: KI~a<br>553×<br>IV: 6p/5u;<br>III: 322p/214u    | <a href="#">o0980662</a>  | ZATU289                | 1288A   | (a)<br>1288A  | (a)<br>1288A  | (a)<br>1288A  | (a)<br>1288A  | (a)<br>1288A  |
| <b>KI@n</b><br>1288B                                 |  | PC25                   |  |  |   |   |  |   |
| 4× III: 2p/2u  | <a href="#">o0980663</a>  |                        | 1288B   |   |   |   | 1288B   |   |
| <b> KI@n×DUB~a </b><br>1288C                         |  | PC25                   |  |  |   |   |   |   |
| AKA:  KI@n+DUB~a <br>1× III: 1p                      | <a href="#">o0980664</a>  | ZATU567                | 1288C   |   |   |   |   |   |
| <b>KIB</b><br>1288D                                  |  | PC25                   |  |  |  |   |   |   |
| 11× IV: 1p/1u;<br>III: 4p/2u                         | <a href="#">o0980665</a>  | ZATU290                | 1288D   |   | 1288D   |   |   |   |
| <b>KIB@g</b><br>1288E                                |  | PC25                   |  |  |   |   |   |   |
| 1× III: 1p   | <a href="#">o0980666</a>  |                        | 1288E   |   |   |   |   |   |
| <b>KID~a</b><br>1288F                                |  | PC25                   |  |  |  |  |   |   |
| 18× III: 15p/3u                                      | <a href="#">o0980667</a>  | ZATU291                | 1288F   |   | 1288F   | 1288F   |   |   |
| <b>KID~b</b><br>12890                                |  | PC25                   |  |  |  |  |  |   |
| 73× IV: 1p;<br>III: 54p/17u                          | <a href="#">o0980668</a>  | ZATU291                | 12890   |   | 12890   | 12890   | 12890   |   |

| PCSL                                |                          | FONT     | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|-------------------------------------|--------------------------|----------|-------|------|------|-------|-------|-------|
| KID~c<br>12891                      |                          | PC25<br> |       |      |      |       |       |       |
| 5× IV: 1p; III: 3p                  | <a href="#">o0980669</a> | ZATU291  |       |      |      |       |       |       |
| KID~d<br>12892                      |                          | PC25<br> |       |      |      |       |       |       |
| 1× IV: 1p                           | <a href="#">o0980670</a> | ZATU291  |       |      |      |       |       |       |
| KID~e<br>12893                      |                          | PC25<br> |       |      |      |       |       |       |
| 3× III: 3p                          | <a href="#">o0980671</a> | ZATU291  |       |      |      |       |       |       |
| KIN<br>12894                        |                          | PC25<br> |       |      |      |       |       |       |
| 3× III: 3p                          | <a href="#">o0980672</a> | ZATU292  |       |      |      |       |       |       |
| KIN <sub>2</sub> -a<br>12895        |                          | PC25<br> |       |      |      |       |       |       |
| 1× IV: 1p                           | <a href="#">o0980673</a> | ZATU293  |       |      |      |       |       |       |
| KIN <sub>2</sub> -b<br>12896        |                          | PC25<br> |       |      |      |       |       |       |
| 1× III: 1p                          | <a href="#">o0980674</a> | ZATU293  |       |      |      |       |       |       |
| KIN <sub>2</sub> -c<br>12897        |                          | PC25<br> |       |      |      |       |       |       |
| 13× III: 13p                        | <a href="#">o0980675</a> | ZATU293  |       |      |      |       |       |       |
| KIN <sub>2</sub> -d<br>12898        |                          | PC25<br> |       |      |      |       |       |       |
| 3× III: 3p                          | <a href="#">o0980676</a> | ZATU293  |       |      |      |       |       |       |
| KIN <sub>2</sub> -e<br>12899        |                          | PC25<br> |       |      |      |       |       |       |
| 1× IV: 1p                           | <a href="#">o0980677</a> | ZATU293  |       |      |      | F210D |       |       |
| KISAL~a1<br>1289A                   |                          | PC25<br> |       |      |      |       |       |       |
| 15× IV: 13p;<br>III: 1p/1u          | <a href="#">o0980680</a> | ZATU295  |       |      |      |       |       |       |
| KISAL~a2                            |                          | UNP<br>  |       |      |      |       |       |       |
| 1× IV: 1u                           | <a href="#">o0980681</a> | ZATU295  | F2445 |      |      |       |       |       |
| KISAL~b1<br>1289B                   |                          | PC25<br> |       |      |      |       |       |       |
| 222× IV: 29p/2u;<br>III: 147p/39u   | <a href="#">o0980682</a> | ZATU295  |       |      |      |       |       |       |
| KISAL~b2<br>1289C                   |                          | PC25<br> |       |      |      |       |       |       |
| 7× III: 7p                          | <a href="#">o0980683</a> | ZATU295  |       |      |      |       |       |       |
| KISAL~b2@t<br>1289D                 |                          | PC25<br> |       |      |      |       |       |       |
| CDLI:  KISAL~b2@t <br>2× III: 1p/1u | <a href="#">o0980684</a> | ZATU295  |       |      |      |       |       |       |
| KISAL~b3<br>1289E                   |                          | PC25<br> |       |      |      |       |       |       |
| 2× III: 2p                          | <a href="#">o0980685</a> | ZATU295  |       |      |      |       |       |       |

| PCSL                              |   | FONT    | CDLI   | ATU3   | ATU5   | MSVO1   | MSVO4   | CUSAS   |
|-----------------------------------|---|---------|--|--|--|---|---|---|
| <b>KISIM~a</b><br>1289F           |    | PC25    |             |             |  |    |   |   |
| 62× IV: 1p;<br>III: 48p/5u        | <a href="#">o0980686</a>  | ZATU296 | 1289F  | 1289F  |  | 1289F   |   |   |
| <b>KISIM~b</b><br>128A0           |    | PC25    | <br>128A0   | <br>F2110   | <br>F2111 |   |   |   |
| 23× III: 23p                      | <a href="#">o0980687</a>  | ZATU296 | <br>F2111   | <br>F2112   |  |   |   |   |
| <b>KISIM~c</b><br>128A1           |    | PC25    |             |             |  |   |   |   |
| 1× IV: 1p                         | <a href="#">o0980688</a>  | ZATU296 | 128A1  |  |  | 128A1   |   |   |
| <b>KIŠ</b><br>128A2               |    | PC25    | <br>F2113   |             |           |    |    |    |
| 174× IV: 3p;<br>III: 93p/36u      | <a href="#">o0980689</a>  | ZATU297 | <br>128A2   | <br>F2114   | 128A2  | 128A2   | 128A2   | F2114   |
| <b>KIŠIK~a</b><br>128A3           |    | PC25    |             |             |           |   |    |   |
| 29× III: 19p/10u                  | <a href="#">o0980690</a>  | ZATU298 | 128A3  |  | 128A3  |   | 128A3   |   |
| <b>KIŠIK~b</b><br>128A4           |  | PC25    |           |           |  |   |   |   |
| 3× III: 3p                        | <a href="#">o0980691</a>  | ZATU298 | 128A4  |  |  |   |   |   |
| <b>KU~a</b><br>128A5              |  | PC25    |           |           |         |   |   |   |
| 4× III: 4p                        | <a href="#">o0980693</a>  | ZATU300 | 128A5  |  | 128A5  |   |   |   |
| <b>KU~a@t</b>                     |   | EDI     |           |           |  |   |   |   |
|                                   | <a href="#">o0980694</a>  |         | F24DC  |  |  |   |   |   |
| <b>KU~b1</b><br>128A6             |  | PC25    |           |           |  |    |  |   |
| 75× IV: 1u;<br>III: 35p/39u       | <a href="#">o0980695</a>  | ZATU300 | 128A6  |  |  | 128A6   | 128A6   |   |
| <b>KU~b2</b><br>128A7             |  | PC25    |           |           |         |   |   |   |
| 27× III: 26p/1u                   | <a href="#">o0980696</a>  | ZATU300 | 128A7  |  | 128A7  |   |   |   |
| <b>KU<sub>3</sub>~a</b><br>128A8  |  | PC25    | <br>128A8 | <br>F2118 |         | <br>128A8<br><br>F2118<br><b>(b)</b> |  |  |
| 262× IV: 40p/1u;<br>III: 163p/49u | <a href="#">o0980697</a>  | ZATU301 | <br>F2118 |  | 128A8  |   | 128A8   | 128A8   |
| <b>KU<sub>3</sub>~c</b><br>128A9  |  | PC25    |           |           |         |   |   |   |
| 2× III: 1p/1u                     | <a href="#">o0980698</a>  | ZATU301 | 128A9  |  | 128A9  |   |   |   |

| PCSL   |   | FONT                      | CDLI  | ATU3  | ATU5   | MSVO1   | MSVO4   | CUSAS |
|--|---|---------------------------|---|---|--|---|---|-------|
| KU <sub>6</sub> ~a<br>128AA  |    | PC25<br>128AA             |    |    |    |    |    |       |
| 385×<br>IV: 40p/15u;<br>III: 241p/84u                              | <a href="#">o0980699</a>  | ZATU302                   |   |   |  |   |   |       |
| [KU <sub>6</sub> ~a.1(N02)]  |   | PC25-sq<br>F224A          |    |   |  |   |   |       |
| 3× III: 3p   | <a href="#">o0980700</a>  |                           |   |   |  |   |   |       |
| [KU <sub>6</sub> ~a+GIŠ]   |   | ZERO<br>F224B             |    |   |  |   |   |       |
| <a href="#">o0980701</a>   |   |                           |   |   |  |   |   |       |
| [KU <sub>6</sub> ~a+KU <sub>6</sub> ~a]<br>128AB                   |    | PC25<br>128AB             |    |    |  |    |   |       |
| 10× IV: 1p/1u;<br>III: 5p/3u                                       | <a href="#">o0980702</a>  | ZATU303                   |   |   |  |   |   |       |
| KU <sub>6</sub> ~a@s   |   | UNP<br>F2446              |    |    |  |   |   |       |
| 1× III: 1u   | <a href="#">o0980703</a>  | ZATU446                   |   |   |  |   |   |       |
| KU <sub>6</sub> ~c<br>128AC  |    | PC25<br>128AC             |    |    |  |   |    |       |
| 1× III: 1p   | <a href="#">o0980704</a>  | ZATU302                   |   |   |  |   |   |       |
| KU <sub>6</sub> ~d<br>128AD  |    | PC25<br>128AD             |    |    |  |   |   |       |
| 2× IV: 1u; III: 1p   | <a href="#">o0980705</a>  | ZATU217                   |   |   |  |   |   |       |
| KUN  |   | EDI<br>F24DD              |  |  |  |   |   |       |
| <a href="#">o0980706</a>   |   |                           |   |   |  |   |   |       |
| KUR~a<br>128AE   |  | PC25<br>128AE             |  |  |  |  |  |       |
| 361×<br>IV: 40p/7u;<br>III: 205p/97u                               | <a href="#">o0980707</a>  | ZATU304                   |   |   |  |   |   |       |
| [KUR~a.E <sub>2</sub> ~a]  |   | PC25-sq<br>F224C          |  |  |  |   |   |       |
| 13× III: 11p/2u  | <a href="#">o0980708</a>  | ZATU130                   |   |   |  |   |   |       |
| [KUR~a.NUNUZ~a1]   |   | ZERO<br>F224D             |  |  |  |   |   |       |
| <a href="#">o0980709</a>   |   |                           |   |   |  |   |   |       |
| [KUR~a.RU]   |   | PC25-sq<br>F21AF<br>F21AE |  |  |   |   |   |       |
| AKA: ŠURUPPAK~a<br>CDLI: ŠURUPPAK~a<br>48× IV: 3u;<br>III: 35p/10u | <a href="#">o0981273</a>  | ZATU544                   |   |   |  |   |   |       |
| KUR~b<br>128AF   |  | PC25<br>128AF             |  |  |  |   |   |       |
| 6× IV: 3p/2u; III: 1p  | <a href="#">o0980710</a>  | ZATU304                   |   |   |  |   |   |       |
| [KUR~b.E <sub>2</sub> ~a]  |   | UNP<br>F224E              |  |  |  |   |   |       |
| 1× IV: 1u  | <a href="#">o0980711</a>  | ZATU130                   |   |   |  |   |   |       |
| KUR~c<br>128B0   |  | PC25<br>128B0             |  |  |  |    |   |       |
| 1× III: 1p   | <a href="#">o0980712</a>  | ZATU304                   |   |   |  |   |   |       |


















































| PCSL  | FONT  | CDLI  | ATU3  | ATU5   | MSVO1   | MSVO4   | CUSAS |
|---|---|---|---|--|---|---|-------|
| <b>KUR-d</b><br>UNP<br>1× IV: 1u<br>o0980713 ZATU304  |    |    |   |  |   |   |       |
| <b>KUR@g~a</b><br>128B1<br>PC25<br>CDLI:  KUR@g~a <br>9× IV: 3p/2u; III: 4p<br>o0980714 ZATU329 |    |    |    |  |   |   |       |
| <b>KUR@g~b</b><br>128B2<br>PC25<br>CDLI:  KUR@g~b <br>1× IV: 1p<br>o0980715 ZATU329             |    |    |    |  |   |   |       |
| <b>KUŠU<sub>2</sub>-a</b><br>128B3<br>PC25<br>4× IV: 4p<br>o0980716 ZATU305                     |    |    |    |    |   |   |       |
| <b>KUŠU<sub>2</sub>-b</b><br>128B4<br>PC25<br>7× IV: 3p/2u;<br>III: 1p/1u<br>o0980717 ZATU305   |    |    |    |    |   |   |       |
| <b>KUŠU<sub>2</sub>-c</b><br>128B5<br>PC25<br>3× III: 2p/1u<br>o0980718 ZATU305                 |    |    |    |     |   |   |       |
| <b>KUŠU<sub>2</sub>-d</b><br>128B6<br>PC25<br>1× III: 1p<br>o0980719 ZATU305                    |    |    |    |     |   |   |       |
| <b>KUŠU<sub>2</sub>-e</b><br>128B7<br>PC25<br>1× IV: 1p<br>o0980720 ZATU305                     |  |  |  |   |   |   |       |
| <b>KUŠU<sub>2</sub>-f</b><br>128B8<br>PC25<br>1× III: 1p<br>o0980721 ZATU305                    |  |  |  |   |   |   |       |
| <b>LA-b</b><br>128B9<br>PC25<br>AKA: LA<br>3× IV: 1p; III: 2p<br>o0980722 ZATU306               |  |  |  |   |   |   |       |
| <b>LA-c</b><br>UNP<br>1× III: 1u<br>o0980723 ZATU306  |  |  |   |  |   |   |       |
| <b>LA-d</b><br>128BA<br>PC25<br>1× IV: 1p<br>o0980724 ZATU306                                   |  |  |  |  |   |   |       |
| <b>LA-e</b><br>EDI<br>o0980725  |  |  |   |  |   |   |       |
| <b>LA<sub>2</sub></b><br>128BB<br>PC25<br>91× IV: 2p;<br>III: 52p/36u<br>o0980726 ZATU307       |  |  |  |  |  |  |       |
| <b>LAGAB~a</b><br>128BC<br>PC25<br>52× IV: 8p/1u;<br>III: 15p/24u<br>o0980727 ZATU308           |  |  |  |  |   |  |       |





























































| PCSL  | FONT                   | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|------------------------|------|------|------|-------|-------|-------|
| LAGAB~a×BA <br>1× III: 1u <span style="color: red;">o0980728</span>   | UNP<br>F2449           |      |      |      |       |       |       |
| LAGAB~a×BIR <sub>3</sub> ~b <br>2× III: 2u <span style="color: red;">o0980729</span>  | UNP<br>F244A           |      |      |      |       |       |       |
| LAGAB~a×DU <sub>6</sub> ~a <br>128BD<br><br>AKA:  LAGAB~a×DU <sub>6</sub> ~b <br>CDLI:  LAGAB~a×DU <sub>6</sub> ~b <br>1× IV: 1p <span style="color: red;">o0980730</span> ZATU310            | PC25<br>128BD          |      |      |      |       |       |       |
| LAGAB~a×KAK~a <br>1× III: 1u <span style="color: red;">o0980731</span>  | UNP<br>F244B           |      |      |      |       |       |       |
| LAGAB~a×KU <sub>6</sub> ~a <br>128BE<br>1× III: 1p <span style="color: red;">o0980732</span> ZATU313  | PC25<br>128BE          |      |      |      |       |       |       |
| LAGAB~a×(KU <sub>6</sub> ~a+KU <sub>6</sub> ~a) <br>128BF<br>1× III: 1p <span style="color: red;">o0980733</span>   | PC25<br>128BF          |      |      |      |       |       |       |
| LAGAB~a×KUŠU <sub>2</sub> ~a@t <br>128C0<br><br>AKA:  LAGAB~a×KUŠU <sub>2</sub> ~b <br>CDLI:  LAGAB~a×KUŠU <sub>2</sub> ~b <br>3× IV: 2p/1u <span style="color: red;">o0980734</span> ZATU314 | PC25<br>128C0          |      |      |      |       |       |       |
| LAGAB~a×LA <sub>2</sub> ~a <br>1× <span style="color: red;">o0980735</span>   | UNP<br>F2521           |      |      |      |       |       |       |
| LAGAB~a×LAGAB~a <br>1× III: 1u <span style="color: red;">o0980736</span>  | UNP<br>F244C           |      |      |      |       |       |       |
| LAGAB~a×ME~a <br>128C1<br>2× IV: 2p <span style="color: red;">o0980737</span> ZATU315   | PC25<br>128C1<br>F211B |      |      |      |       |       |       |
| LAGAB~a×NI~a <br>1× III: 1u <span style="color: red;">o0980738</span>   | UNP<br>F2520           |      |      |      |       |       |       |
| LAGAB~a×NUN~b <br>128C2<br>2× IV: 1p/1u <span style="color: red;">o0980739</span> ZATU316   | PC25<br>128C2          |      |      |      |       |       |       |
| LAGAB~a×PA~a <br>128C3<br>5× IV: 2p; III: 2p/1u <span style="color: red;">o0980740</span> ZATU317   | PC25<br>128C3          |      |      |      |       |       |       |
| LAGAB~a×SI <br>3× III: 3u <span style="color: red;">o0980741</span>   | UNP<br>F244D           |      |      |      |       |       |       |
| LAGAB~a×SIG <sub>7</sub>  <br>128C4<br>1× III: 1p <span style="color: red;">o0980742</span>   | PC25<br>128C4          |      |      |      |       |       |       |
























































| PCSL                                |                          | FONT    | CDLI                        | ATU3  | ATU5  | MSVO1 | MSVO4 | CUSAS |
|-------------------------------------|--------------------------|---------|-----------------------------|-------|-------|-------|-------|-------|
| [LAGAB~a×SU~a]<br>128C5             |                          | PC25    |                             |       |       |       |       |       |
| 1× III: 1p                          | <a href="#">o0980743</a> |         | 128C5                       |       |       |       |       |       |
| [LAGAB~a×ŠA]<br>128C6               |                          | PC25    | <br><br>                    |       |       |       |       |       |
| 10× III: 10p                        | <a href="#">o0980744</a> | ZATU318 | 128C6<br>1 F211C<br>2 F211D |       |       |       |       |       |
| [LAGAB~a×ŠITA~a1]<br>128C7          |                          | PC25    | <br>                        |       |       |       |       |       |
| 20× III: 18p/1u                     | <a href="#">o0980745</a> | ZATU319 | 128C7<br>1 F211E            |       | 128C7 | 128C7 |       |       |
| [LAGAB~a×TI]<br>128C8               |                          | PC25    | <br>                        |       |       |       |       |       |
| 1× III: 1p                          | <a href="#">o0980746</a> |         | 128C8<br>1 F211F            |       |       |       |       |       |
| [LAGAB~a×U <sub>4</sub> ]<br>128C9  |                          | PC25    |                             |       |       |       |       |       |
| 1× III: 1p                          | <a href="#">o0980747</a> |         | 128C9                       |       |       |       | 128C9 |       |
| [LAGAB~a×UB]<br>128CA               |                          | PC25    |                             |       |       |       |       |       |
| 1× IV: 1p                           | <a href="#">o0980748</a> |         | 128CA                       |       |       |       |       |       |
| [LAGAB~a×X]                         |                          | PC25-bk | <br>                        |       |       |       |       |       |
| 3× IV: 1p; III: 2p                  | <a href="#">o0980749</a> |         | F2120<br>1 F2121            |       |       |       |       |       |
| [LAGAB~a×ZATU753]<br>128CB          |                          | PC25    | <br>                        |       |       |       |       |       |
| 2× IV: 1p                           | <a href="#">o0980750</a> | ZATU321 | 128CB<br>1 F2122            |       |       |       |       |       |
| [LAGAB~a×2(N14)]<br>128CC           |                          | PC25    |                             |       |       |       |       |       |
| 1× IV: 1p                           | <a href="#">o0980751</a> | ZATU320 | 128CC                       |       | 128CC |       |       |       |
| [LAGAB~a×1(N58)]<br>128CD           |                          | PC25    |                             |       |       |       |       |       |
| 1× III: 1p                          | <a href="#">o0980752</a> |         | 128CD                       |       |       |       |       | 128CD |
| LAGAB~b<br>128CE                    |                          | PC25    |                             |       |       |       |       |       |
| 149×<br>IV: 5p/2u;<br>III: 106p/33u | <a href="#">o0980753</a> | ZATU308 | 128CE                       | 128CE | 128CE | 128CE | 128CE |       |
| [LAGAB~b.TE]                        |                          | PC25-sq |                             |       |       |       |       |       |
| 10× IV: 1p; III: 9p                 | <a href="#">o0980754</a> |         | 128CE_12A62                 |       |       |       |       |       |
| [LAGAB~b×BANŠUR~a]                  |                          | UNP     |                             |       |       |       |       |       |
| 1× IV: 1u                           | <a href="#">o0980755</a> | ZATU309 | F244E                       |       |       |       |       |       |
| [LAGAB~b×GA'AR~a1]                  |                          | UNP     |                             |       |       |       |       |       |
| 1× IV: 1u                           | <a href="#">o0980756</a> | ZATU311 | F244F                       |       |       |       |       |       |

| PCSL                              | FONT                     | CDLI    | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|-----------------------------------|--------------------------|---------|------|------|-------|-------|-------|
| LAGAB~b×HI <br>128CF              |                          | PC25    |      |      |       |       |       |
| 1× IV: 1p                         | <a href="#">o0980757</a> | ZATU312 |      |      |       |       |       |
| LAGAB~b×(HI×1(N04))               | UNP                      |         |      |      |       |       |       |
| AKA:  LAGAB~b×(HI×N04)            |                          | F251F   |      |      |       |       |       |
| 1×                                | <a href="#">o0980758</a> |         |      |      |       |       |       |
| LAGAB~b×KUR~e <br>128D0           |                          | PC25    |      |      |       |       |       |
| 1× IV: 1p                         | <a href="#">o0980759</a> | ZATU175 |      |      |       |       |       |
| LAGAB~b×PA~a <br>128D1            |                          | PC25    |      |      |       |       |       |
| 1× III: 1p                        | <a href="#">o0980760</a> | ZATU317 |      |      |       |       |       |
| LAGAB~b×SI                        | EDI                      |         |      |      |       |       |       |
|                                   | <a href="#">o0980761</a> | F2501   |      |      |       |       |       |
| LAGAB~b×SUH <sub>3</sub>          | UNP                      |         |      |      |       |       |       |
| 1× III: 1u                        | <a href="#">o0980762</a> | F2450   |      |      |       |       |       |
| LAGAB~b×ŠITA~c                    | EDI                      |         |      |      |       |       |       |
|                                   | <a href="#">o0980763</a> | F2500   |      |      |       |       |       |
| LAGAB~b×U <sub>4</sub>  <br>128D2 |                          | PC25    |      |      |       |       |       |
| 2× III: 2p                        | <a href="#">o0980764</a> |         |      |      |       |       |       |
| LAGAB~b×X                         | EDI                      |         |      |      |       |       |       |
| 1×                                | <a href="#">o0980765</a> | F2502   |      |      |       |       |       |
| LAGAB~b×1(N01)                    | EDI                      |         |      |      |       |       |       |
|                                   | <a href="#">o0980766</a> | F24FF   |      |      |       |       |       |
| LAGAB~b&LAGAB~b <br>128D3         |                          | PC25    |      |      |       |       |       |
| AKA:  LAGAB~b+LAGAB~b             |                          |         |      |      |       |       |       |
| LAGAB~b×LAGAB~b                   |                          |         |      |      |       |       |       |
| CDLI:  LAGAB~b×LAGAB~b            |                          |         |      |      |       |       |       |
| 4× III: 3p/1u                     | <a href="#">o0980767</a> |         |      |      |       |       |       |
| LAGAR~a<br>128D4                  |                          | PC25    |      |      |       |       |       |
| 61× IV: 14p/4u;<br>III: 30p/9u    | <a href="#">o0980768</a> | ZATU323 |      |      |       |       |       |
| LAGAR~a@r<br>128D5                |                          | PC25    |      |      |       |       |       |
| 1× III: 1p                        | <a href="#">o0980769</a> |         |      |      |       |       |       |
| LAGAR~b1<br>128D6                 |                          | PC25    |      |      |       |       |       |
| 5× IV: 4p; III: 1p                | <a href="#">o0980770</a> | ZATU323 |      |      |       |       |       |
| LAGAR~b2<br>128D7                 |                          | PC25    |      |      |       |       |       |
| 3× IV: 3p                         | <a href="#">o0980771</a> | ZATU323 |      |      |       |       |       |
| LAGAR~c<br>128D8                  |                          | PC25    |      |      |       |       |       |
| 4× IV: 3p; III: 1p                | <a href="#">o0980772</a> | ZATU323 |      |      |       |       |       |





































































| PCSL                            |         | FONT  | CDLI  | ATU3  | ATU5  | MSVO1  | MSVO4   | CUSAS   |
|---------------------------------|---------|---|---|---|---|--|---|---|
| LAK025                          | EDI     |    |    |   |   |  |   |   |
|                                 |         | o0980774  | F24DF   |   |   |  |   |   |
| LAK050                          | EDI     |    |    |   |   |  |   |   |
|                                 |         | o0980775  | F24E0   |   |   |  |   |   |
| LAK172                          | EDI     |    |    |   |   |  |   |   |
|                                 |         | o0980776  | F24E1   |   |   |  |   |   |
| LAK251                          | EDI     |    |    |   |   |  |   |   |
|                                 |         | o0980777  | F24E2   |   |   |  |   |   |
| LAK350                          | EDI     |    |    |   |   |  |   |   |
|                                 |         | o0980778  | F24E3   |   |   |  |   |   |
| LAK777                          | EDI     |    |    |   |   |  |   |   |
|                                 |         | o0980779  | F24E4   |   |   |  |   |   |
| LAL <sub>2</sub> -a<br>128D9    | PC25    |    |    |    |   |   |   |   |
|                                 |         | o0980780  | 128D9   | 128D9   | 128D9   | 128D9  |   |   |
| 39× IV: 13p;<br>III: 20p/6u     | ZATU325 |   |   |   |   |  |   |   |
| [LAL <sub>2</sub> -a×EZEN~a]    | UNP     |   |    |    |   |  |   |   |
|                                 |         | o0980781  | F2451   |   |   |  |   |   |
| 1× IV: 1u                       | ZATU326 |   |   |   |   |  |   |   |
| [LAL <sub>2</sub> -a×NAGA~a]    | PC25    |    |   |   |   |  |   |    |
|                                 |         | o0980782  | 128DA   |   |   |  |   | 128DA   |
| 2× III: 2p                      |         |   |   |   |   |  |   |   |
| [LAL <sub>2</sub> -a×NIM~b2]    | PC25    |  |  |  |   |  |   |  |
|                                 |         | o0980783  | 128DB   | 128DB   |   |  |   | 128DB   |
| 3× III: 2p/1u                   |         |   |   |   |   |  |   |   |
| LAL <sub>2</sub> -b<br>128DC    | PC25    |  |  |  |   |  |   |   |
|                                 |         | o0980784  | 128DC   | 128DC   |   |  |   |   |
| 1× IV: 1p                       | ZATU325 |   |   |   |   |  |   |   |
| LAL <sub>3</sub> -a<br>128DD    | PC25    |  |  |  |   |  |   |   |
|                                 |         | o0980785  | 128DD   | 128DD   |   |  |   |   |
| 5× III: 2p/3u                   | ZATU327 |   |   |   |   |  |   |   |
| LAL <sub>3</sub> -b<br>128DE    | PC25    |  |  |  |   |  |   |   |
|                                 |         | o0980786  | 128DE   | 128DE   |   |  |   |   |
| 2× III: 1p/1u                   | ZATU327 |   |   |   |   |  |   |   |
| LAL <sub>3</sub> -c             | EDI     |   |  |  |   |  |   |   |
|                                 |         | o0980787  | F24E5   |   |   |  |   |   |
| LAM-a<br>128DF                  | PC25    |  |  |  |  |  |   |   |
|                                 |         | o0980788  | 128DF   | 128DF   | 128DF   |  |   |   |
| 5× III: 4p/1u                   | ZATU328 |   |   |   |   |  |   |   |
| LAM-b<br>128E0                  | PC25    |  |  |  |  |  |  |   |
|                                 |         | o0980789  | 128E0   | 128E0   | F2123   | F2123  | F2123   |   |
| 61× IV: 12p/5u;<br>III: 25p/19u | ZATU328 |   |  |  |   |  |   |   |
|                                 |         |   | F2124   |   |   |  |   |   |

| PCSL  |   | FONT   | CDLI   | ATU3   | ATU5   | MSVO1  | MSVO4  | CUSAS |
|---|---|--|--|--|--|--|--|-------|
| <b>LAM-b@r</b><br>128E1                             |    | PC25<br><br>128E1   |   |  | <br>128E1  |  |  |       |
| 1× IV: 1p   | <a href="#">o0980790</a>  |  |  |  |  |  |  |       |
| <b>LAM-b@s</b>                                      |   | UNP<br>ZATU329   |   |             |  |  |  |       |
| 1× IV: 1u   | <a href="#">o0980791</a>  |  |  |  |  |  |  |       |
| <b>LAM-b@t</b><br>128E2                             |    | PC25<br><br>128E2   |   |  |  |  |  |       |
| CDLI:  LAM~b@t <br>2× IV: 2p                        | <a href="#">o0980792</a>  |  |  |  |  |  |  |       |
| <b>LAM-c</b>  |   | EDI<br><br>F24E6  |   |  |  |  |  |       |
|   | <a href="#">o0980793</a>  |  |  |  |  |  |  |       |
| <b>LI</b>   |   | PC25-sq<br><br>F2125<br>1<br><br>F2126   | <br>   | <br>F2125   |  |  |  |       |
| 7× III: 7p  | <a href="#">o0980794</a>  | ZATU330  |  |  |  |  |  |       |
| <b>LIŠ</b><br>128E3                                 |    | PC25<br><br>128E3   |   | <br>128E3   |  |  |  |       |
| 10× III: 3p/7u                                      | <a href="#">o0980795</a>  | ZATU331  |  |  |  |  |  |       |
| <b>LU<sub>2</sub></b><br>128E4                      |    | PC25<br><br>F2127<br><br>128E4<br><br>2<br>F2128 | <br><br> | <br>128E4  | <br>F2127   | <br>128E4  | <br>128E4  |       |
| 58× IV: 1p/1u;<br>III: 30p/24u                      | <a href="#">o0980796</a>  | ZATU332  |  |  |  |  |  |       |
| <b>[LU<sub>2</sub>GAL~a]</b>                        |   | PC25-sq<br><br>F212A<br>1<br><br>F2129   | <br>   |  |  |  |  |       |
| AKA: LUGAL<br>CDLI: LUGAL<br>13× IV: 1u; III: 8p/4u | <a href="#">o0980799</a>  | ZATU334  |  |  |  |  |  |       |
| <b>[LU<sub>2</sub>×GEŠTU~c3]</b>                    |   | UNP<br>ZATU333   | <br>F2453   |           |  |  |  |       |
| 1× III: 1u  | <a href="#">o0980797</a>  |  |  |  |  |  |  |       |
| <b>LU<sub>2</sub>@t</b>                             |   | EDI<br><br>F24E7  |   |  |  |  |  |       |
|   | <a href="#">o0980798</a>  |  |  |  |  |  |  |       |
| <b>LUM</b><br>128E5                                 |  | PC25<br><br>128E5   |   | <br>128E5 |  |  |  |       |
| 14× IV: 1p; III: 9p/4u                              | <a href="#">o0980800</a>  | ZATU335  |  |  |  |  |  |       |
| <b>MA</b><br>128E6                                  |  | PC25<br><br>128E6<br>1<br><br>F212B  | <br>   | <br>F212B | <br>128E6<br><br>F212B | <br>F212B | <br>F212B |       |
| 195× IV: 38p/20u;<br>III: 84p/51u                   | <a href="#">o0980801</a>  | ZATU336  |  |  |  |  |  |       |
| <b>[MA×A]</b><br>128E7                              |  | PC25<br><br>128E7   |   |  |  |  |  |       |
| 2× IV: 2p   | <a href="#">o0980802</a>  | ZATU337  |  |  |  |  |  |       |
| <b>[MA×MA]</b><br>128E8                             |  | PC25<br><br>128E8   |   |  | <br>128E8  |  |  |       |
| 9× IV: 8p; III: 1p                                  | <a href="#">o0980803</a>  | ZATU338  |  |  |  |  |  |       |

| PCSL                                   |          | FONT  | CDLI  | ATU3  | ATU5   | MSVO1   | MSVO4   | CUSAS   |
|--|----------|---|---|---|--|---|---|---|
| [MA×X]                                 | EDI      |    |    |   |  |   |   |   |
|  | o0980804 | F2504   |   |   |  |   |   |   |
| [MA×2(N57)]                            | EDI      |    |    |   |  |   |   |   |
|  | o0980805 | F2503   |   |   |  |   |   |   |
| [MA×1(N58)]<br>128E9                   | PC25     |    |    |    |  |   |   |   |
| 1× III: 1p                             | o0980806 | 128E9   |   |   |  |   |   |   |
| MA <sub>2</sub><br>128EA               | PC25     |    |    |    |    |   |   |   |
| 9× IV: 5p/2u; III: 1u                  | o0980807 | ZATU339   | 128EA   |   |  | 128EA   |   |   |
| MAGUR~a<br>128EB                       | PC25     |    |    |    |    |   |   |   |
| 4× IV: 4p                              | o0980808 | ZATU340   | 128EB   |   |  | 128EB   |   |   |
| MAGUR~b<br>128EC                       | PC25     |    |    |    |  |   |   |   |
| 1× IV: 1p                              | o0980809 | ZATU340   | 128EC   |   |  |   |   |   |
| MAH~a<br>128ED                         | PC25     |    |    |    |     |     |   |   |
| 13× IV: 2p; III: 6p/4u                 | o0980810 | ZATU341   | 128ED   |   | 128ED  | 128ED   |   |   |
| [MAH~a×AB <sub>2</sub> ]               | PC25     |   |   |   |  |   |   |   |
| 128EE                                  |          |   | 128EE   |   |  |   |   |   |
| 1× IV: 1p                              | o0980811 |   |   |   |  |   |   |   |
| [MAH~a×GUKKAL~a]                       | PC25     |  |  |  |  |   |   |   |
| 128EF                                  |          |   | 128EF   |   |  | 128EF   |   |   |
| 1× IV: 1p                              | o0980812 | ZATU342   |   |   |  |   |   |   |
| [MAH~a×KU <sub>6</sub> ~a]             | PC25     |  |  |  |  |   |   |   |
| 128F0                                  |          |   | 128F0   |   |  |   |   |   |
| 2× IV: 1u; III: 1p                     | o0980813 | ZATU343   |   |   |  |   |   |   |
| [MAH~a×MAŠ]                            | PC25     |  |  |  |  |   |   |   |
| 128F1                                  |          |   | 128F1   |   |  | 128F1   |   |   |
| 11× IV: 4p; III: 5p/2u                 | o0980814 | ZATU344   |   |   |  |   |   |   |
| [MAH~a×NA~a]                           | PC25     |  |  |  |  |  |  |   |
| 128F2                                  |          |   | 128F2   |   |  | 128F2   | 128F2   |   |
| 3× III: 3p                             | o0980815 |   |   |   |  |   |   |   |
| [MAH~a×(SILA <sub>3</sub> ~a×UMBIN~a)] | PC25     |  |  |  |  |   |   |   |
| 128F3                                  |          |   | 128F3   |   |  | 128F3   |   |   |
| 1× IV: 1p                              | o0980816 | ZATU346   |   |   |  |   |   |   |
| [MAH~a×TUG <sub>2</sub> ~a]            | PC25     |  |  |  |  |   |   |   |
| 128F4                                  |          |   | 128F4   |   |  | 128F4   |   |   |
| 1× IV: 1p                              | o0980817 | ZATU347   |   |   |  |   |   |   |
| [MAH~a×TUN <sub>3</sub> ~c]            | PC25     |  |  |   |  |   |   |  |
| 128F5                                  |          |   | 128F5   |   |  |   |   | 128F5   |
| 1× III: 1p                             | o0980818 |   |   |   |  |   |   |   |


















































| PCSL                                     |                          | FONT    | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|--------------------------|---------|------|------|------|-------|-------|-------|
| <b>[MAH~a×UD<sub>5</sub>~a]</b><br>128F6 |                          | PC25    |      |      |      |       |       |       |
| 2× IV: 2p                                | <a href="#">o0980819</a> | ZATU348 |      |      |      |       |       |       |
| <b>[MAH~a×UDU~a]</b><br>128F7            |                          | PC25    |      |      |      |       |       |       |
| 1× IV: 1p                                | <a href="#">o0980820</a> | ZATU349 |      |      |      |       |       |       |
| <b>[MAH~a×UR~a]</b><br>128F8             |                          | PC25    |      |      |      |       |       |       |
| 2× IV: 2p                                | <a href="#">o0980821</a> | ZATU350 |      |      |      |       |       |       |
| <b>[MAH~a×UTUA~a]</b><br>128F9           |                          | PC25    |      |      |      |       |       |       |
| 1× IV: 1p                                | <a href="#">o0980822</a> | ZATU351 |      |      |      |       |       |       |
| <b>[MAH~a×X]</b>                         |                          | PC25-bk |      |      |      |       |       |       |
| 7× IV: 5p; III: 1p/1u                    | <a href="#">o0980823</a> |         |      |      |      |       |       |       |
| <b>[MAH~a×ZATU659]</b><br>128FA          |                          | PC25    |      |      |      |       |       |       |
| 1× IV: 1p                                | <a href="#">o0980824</a> |         |      |      |      |       |       |       |
| <b>MAH~b</b><br>128FB                    |                          | PC25    |      |      |      |       |       |       |
| 2× IV: 1p; III: 1u                       | <a href="#">o0980825</a> | ZATU341 |      |      |      |       |       |       |
| <b>[MAH~b×KU<sub>6</sub>~a]</b>          |                          | UNP     |      |      |      |       |       |       |
| 1× IV: 1u                                | <a href="#">o0980826</a> | ZATU343 |      |      |      |       |       |       |
| <b>[MAH~b×MAŠ]</b>                       |                          | UNP     |      |      |      |       |       |       |
| 1× III: 1u                               | <a href="#">o0980827</a> | ZATU344 |      |      |      |       |       |       |
| <b>[MAH~b×NA~a]</b><br>128FC             |                          | PC25    |      |      |      |       |       |       |
| 1× III: 1p                               | <a href="#">o0980828</a> |         |      |      |      |       |       |       |
| <b>[MAH~b×SAL]</b><br>128FD              |                          | PC25    |      |      |      |       |       |       |
| 1× IV: 1p                                | <a href="#">o0980829</a> | ZATU345 |      |      |      |       |       |       |
| <b>MAR~a</b><br>128FE                    |                          | PC25    |      |      |      |       |       |       |
| 164× IV: 15p/1u;<br>III: 90p/47u         | <a href="#">o0980830</a> | ZATU352 |      |      |      |       |       |       |
| <b>MAR~a@g</b><br>128FF                  |                          | PC25    |      |      |      |       |       |       |
| AKA: MAR@g~a<br>2× III: 2p               | <a href="#">o0980831</a> |         |      |      |      |       |       |       |
| <b>MAR~a@t</b><br>12900                  |                          | PC25    |      |      |      |       |       |       |
| 1× III: 1p                               | <a href="#">o0980832</a> |         |      |      |      |       |       |       |
| <b>MAR~b</b><br>12901                    |                          | PC25    |      |      |      |       |       |       |
| 22× IV: 10p;<br>III: 11p/1u              | <a href="#">o0980833</a> | ZATU352 |      |      |      |       |       |       |














































































| PCSL  |                          | FONT    | CDLI                              | ATU3 | ATU5  | MSVO1 | MSVO4 | CUSAS |
|---|--------------------------|---------|-----------------------------------|------|-------|-------|-------|-------|
| [MAR~b×GAR]<br>12902                            |                          | PC25    |                                   |      |       |       |       |       |
| 1× III: 1p                                      | <a href="#">o0980834</a> |         | 12902                             |      |       |       |       |       |
| [MAR~b×(LAGAB~b.ŠE <sub>3</sub> )]<br>12903     |                          | PC25    |                                   |      |       |       |       |       |
| 1×  | <a href="#">o0980835</a> | ZATU353 | 12903                             |      | 12903 |       |       |       |
| [MAR~b×ŠE~a]<br>12904                           |                          | PC25    |                                   |      |       |       |       |       |
| 1× IV: 1p                                       | <a href="#">o0980836</a> | ZATU354 | 12904                             |      | 12904 |       |       |       |
| [MAR~b×X]<br>12905                              |                          | PC25-bk |                                   |      |       |       |       |       |
| 2× III: 2p                                      | <a href="#">o0980837</a> |         | F2457                             |      | F2457 |       |       |       |
| MAŠ<br>12905                                    |                          | PC25    |                                   |      |       |       |       |       |
| 220×<br>IV: 50p/1u;<br>III: 102p/65u            | <a href="#">o0980838</a> | ZATU355 | 12905                             |      | 12905 | 12905 | 12905 | 12905 |
| MAŠ <sub>2</sub><br>12906                       |                          | PC25    |                                   |      |       |       |       |       |
| AKA: MAŠNITA<br>164×<br>IV: 2p;<br>III: 84p/75u | <a href="#">o0980839</a> | ZATU357 | 12906                             |      | 12906 | 12906 | 12906 | 12906 |
| MAŠ <sub>2</sub> @g<br>12907                    |                          | PC25    |                                   |      |       |       |       |       |
| 1× III: 1p                                      | <a href="#">o0980840</a> |         | 12907                             |      |       |       |       |       |
| ME~a<br>12908                                   |                          | PC25    |                                   |      |       |       |       |       |
| 511×<br>IV: 22p/13u;<br>III: 358p/98u           | <a href="#">o0980841</a> | ZATU358 | 12908                             |      | 12908 | 12908 | 12908 | 12908 |
| ME~b<br>12909                                   |                          | PC25    |                                   |      |       |       |       |       |
| 4× IV: 2p; III: 2p                              | <a href="#">o0980842</a> | ZATU358 | 12909                             |      | 12909 | 12909 |       |       |
| ME <sub>3</sub><br>1290A                        |                          | PC25    |                                   |      |       |       |       |       |
| 5× III: 4p/1u                                   | <a href="#">o0980843</a> | ZATU359 | 1290A                             |      |       |       |       |       |
| MEN~a<br>1290B                                  |                          | PC25    |                                   |      |       |       |       |       |
| 48× IV: 2p/2u;<br>III: 27p/16u                  | <a href="#">o0980844</a> | ZATU360 | 1<br>F212E<br>1290B<br>2<br>F212F |      |       |       |       |       |
| MEN~b<br>1290C                                  |                          | PC25    |                                   |      |       |       |       |       |
| 4× IV: 2p; III: 2p                              | <a href="#">o0980845</a> | ZATU360 | 1290C                             |      |       |       |       |       |
| MES<br>1290D                                    |                          | PC25    |                                   |      |       |       |       |       |
| 41× III: 35p/6u                                 | <a href="#">o0980846</a> | ZATU361 | 1<br>F2130<br>1290D               |      |       |       |       |       |

























































| PCSL                                      |   | FONT  | CDLI   | ATU3  | ATU5   | MSVO1   | MSVO4   | CUSAS |
|---|---|---|--|---|--|---|---|-------|
| <b>MIR~a</b><br>1290E                     |    | PC25<br>   |             |    |  |   |   |       |
| 23× III: 21p/2u                           | <a href="#">o0980847</a>  | ZATU362   | 1290E  | 1290E   |  |   |   |       |
| <b>MIR~b</b><br>1290F                     |    | PC25<br>   |             |    |  |   |   |       |
| 16× III: 10p/6u                           | <a href="#">o0980848</a>  | ZATU362   | 1290F  | 1290F   |  |   |   |       |
| <b>MU</b><br>12910                        |    | PC25<br>   |             |    |    |    |    |       |
| 140×<br>IV: 11p/1u;<br>III: 101p/20u      | <a href="#">o0980849</a>  | ZATU363   | 12910  | 12910   | 12910  | 12910   | 12910   |       |
| <b>MUD</b><br>12911                       |    | PC25<br>   |             |    |  |    |   |       |
| 115×<br>IV: 2u;<br>III: 81p/32u           | <a href="#">o0980850</a>  | ZATU364   | 12911<br>   | 12911   |  | 12911   |   |       |
| <b>MUD<sub>3</sub>~a</b><br>12912         |    | PC25<br>   |             |    |  |   |    |       |
| 35× IV: 3p;<br>III: 24p/7u                | <a href="#">o0980851</a>  | ZATU365   | 12912  | 12912   |  |   | 12912   |       |
| <b>MUD<sub>3</sub>~a@g</b><br>12913       |    | PC25<br>   |             |    |  |   |    |       |
| AKA: MUD <sub>3</sub> @g<br>6× III: 4p/2u | <a href="#">o0980852</a>  | ZATU366   | 12913<br>   | 12913 (o)   |  |   | F2132   |       |
| <b>[MUD<sub>3</sub>~a@g×GU]</b>           |   | EDI<br>   |            |   |  |   |   |       |
|   | <a href="#">o0980853</a>  |   | F2505  |   |  |   |   |       |
| <b>MUD<sub>3</sub>~b</b><br>12914         |  | PC25<br> |           |   |  |   |   |       |
| 2× IV: 1p; III: 1u                        | <a href="#">o0980854</a>  | ZATU365   | 12914  |   | 12914  |   |   |       |
| <b>MUD<sub>3</sub>~c</b><br>12915         |  | PC25<br> |           |  |  |  |  |       |
| 4× III: 4p                                | <a href="#">o0980855</a>  | ZATU365   | 12915  | 12915   |  | 12915   | 12915   |       |
| <b>MUD<sub>3</sub>~d</b><br>12916         |  | PC25<br> |           |  |  |   |   |       |
| 5× III: 4p                                | <a href="#">o0980856</a>  | ZATU365   | 12916  | 12916   |  |   |   |       |
| <b>MUL</b><br>12917                       |  | PC25<br> |           |  |  |   |   |       |
| 3× III: 2p/1u                             | <a href="#">o0980857</a>  | ZATU367   | 12917  | 12917   |  |   |   |       |
| <b>MUN~a1</b><br>12918                    |  | PC25<br> |           |  |  |   |  |       |
| 59× IV: 5p/2u;<br>III: 30p/18u            | <a href="#">o0980858</a>  | ZATU368   | 12918<br> |   |  | 12918   | F2133   |       |
| <b>MUN~a2</b><br>12919                    |  | PC25<br> |           |  |  |   |   |       |
| 4× III: 2p/2u                             | <a href="#">o0980859</a>  | ZATU368   | 12919<br> |   |  |   | F2134   |       |
| <b>MUN~a3</b><br>1291A                    |  | PC25<br> |           |  |  |   |   |       |
| 2× IV: 1p; III: 1u                        | <a href="#">o0980860</a>  | ZATU368   | 1291A  | 1291A   |  |   |   |       |









































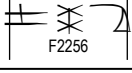















| PCSL   |                          | FONT    | CDLI  | ATU3  | ATU5      | MSVO1     | MSVO4     | CUSAS |
|--|--------------------------|---------|---|-------|-----------|-----------|-----------|-------|
| <b>MUN~a4</b><br>1291B   |                          | PC25    |   |       |           |           |           |       |
| 1× III: 1p   | <a href="#">o0980861</a> | ZATU368 | 1291B   | 1291B |           |           |           |       |
| <b>MUN~b</b><br>1291C  |                          | PC25    |   |       |           |           |           |       |
| 2× III: 2p   | <a href="#">o0980862</a> | ZATU368 | 1291C   | 1291C |           |           |           |       |
| <b>MUNŠUB~a</b><br>1291D                                       |                          | PC25    |   |       |           |           |           |       |
| 2× IV: 2p  | <a href="#">o0980863</a> | ZATU369 | 1291D   |       |           |           |           |       |
| <b>MUNŠUB~b</b><br>1291E                                       |                          | PC25    |   |       |           |           |           |       |
| 18× III: 1p/17u  | <a href="#">o0980864</a> | ZATU369 | 1291E   | 1291E |           |           |           |       |
| <b>MUNU<sub>3</sub></b><br>1291F                               |                          | PC25    |   |       |           |           |           |       |
| 16× III: 15p/1u  | <a href="#">o0980865</a> | ZATU370 | 1291F   | 1291F |           |           |           |       |
| <b>MUŠ</b><br>12920  |                          | PC25    |   |       |           |           |           |       |
| 3× III: 3p   | <a href="#">o0980867</a> | ZATU373 | 12920   | 12920 |           |           |           |       |
| <b>MUŠ<sub>3</sub>~a</b><br>12921                              |                          | PC25    |   |       |           |           |           |       |
| 339×<br>IV: 56p/7u;<br>III: 198p/66u                           | <a href="#">o0980868</a> | ZATU374 | <sup>1</sup> F2136<br><sup>2</sup> F2137<br>12921 |       | 12921<br> | 12921<br> | 12921<br> |       |
| <b> MUŠ<sub>3</sub>~a.AB~a </b>                                |                          | PC25-sq |   |       |           |           |           |       |
| AKA: ZABALAM~a ZABALA~a<br>CDLI: ZABALAM~a<br>48× III: 31p/17u | <a href="#">o0981510</a> | ZATU613 | F224F   | F224F |           |           |           |       |
| <b> MUŠ<sub>3</sub>~a.ERIN </b>                                |                          | PC25-sq |   |       |           |           |           |       |
| AKA: SUSA<br>CDLI: SUSA<br>1× III: 1p                          | <a href="#">o0981176</a> | ZATU499 | F2250   | F2250 | F2250 (o) |           |           |       |
| <b> MUŠ<sub>3</sub>~a.UNUG~a </b>                              |                          | UNP     |   |       |           |           |           |       |
| AKA: ZABALAM~b<br>CDLI: ZABALAM~b<br>1× III: 1u                | <a href="#">o0981511</a> | ZATU613 | F2251   |       |           |           |           |       |
| <b>MUŠ<sub>3</sub>~a@g</b><br>12922                            |                          | PC25    |   |       |           |           |           |       |
| 6× IV: 2p/4u   | <a href="#">o0980869</a> | ZATU375 | <sup>1</sup> 12922<br>F2135                       |       |           |           |           |       |
| <b>MUŠ<sub>3</sub>~b</b><br>12923                              |                          | PC25    |   |       |           |           |           |       |
| 4× IV: 1p; III: 3p   | <a href="#">o0980870</a> | ZATU374 | 12923   |       | 12923     |           |           |       |
| <b>MUŠEN</b><br>12924  |                          | PC25    |   |       |           |           |           |       |
| 321×<br>IV: 22p/4u;<br>III: 200p/80u                           | <a href="#">o0980871</a> | ZATU376 | 12924<br><sup>1</sup> F2138                       | 12924 | 12924     | 12924     | 12924     |       |

| PCSL   |                          | FONT   | CDLI   | ATU3   | ATU5   | MSVO1   | MSVO4  | CUSAS  |
|--|--------------------------|--|--|--|--|---|--|--|
| <b>[MUŠEN.ŠE~a]</b>  | PC25-sq                  | <br>F21D5       |  | <br>F21D5   | <br>F21D6    |   |  |  |
| AKA: UZ~a<br>CDLI: *UZ~a<br>6× III: 1p/2u                    | <a href="#">o0981506</a> | ZATU611  | <br>F21D6       |  |  |   |  |  |
| <b>[MUŠEN.UR<sub>3</sub>~b2]</b>                             | PC25-sq                  | <br>F2139       | <br>F2139       |  | <br>F2139    |   |  |  |
| 2× IV: 1p/1u   | <a href="#">o0980872</a> | ZATU377  | <br>F213A       |  |  |   |  |  |
| <b>[MUŠEN.3(N58)]</b>  | UNP                      | <br>12924_12BF8 |  |  |  |   |  |  |
| 1× III: 1u   | <a href="#">o0980873</a> |  |  |  |  |   |  |  |
| <b>[MUŠEN~PAP~a]</b>   | UNP                      | <br>F2506       |  |  |  |   |  |  |
| 1× III: 1u   | <a href="#">o0980874</a> |  |  |  |  |   |  |  |
| <b>[MUŠEN~X]</b>   | ZERO                     | <br>F2458       | <br>F2458       |  |  |   | <br>F2458     |  |
|  | <a href="#">o0980875</a> |  |  |  |  |   |  |  |
| <b>[1(N02).RU]</b>   | PC25-sq                  | <br>125BE_F2164 | <br>125BE_F2164 |  |  |   |  |  |
| 1× III: 1p   | <a href="#">o0980876</a> |  |  |  |  |   |  |  |
| <b>[1(N58).BAD]</b><br>12925                                 | PC25                     | <br>12925       | <br>12925       | <br>12925   | <br>12925 (a) | <br>12925 (a) | <br>12925 (a) | <br>12925 (a) |
| AKA:  1(N58).BAD~a   1(N58).BAD~a <br> BAD+DIŠ~a   BAD+DIŠ~a |                          |  |  |  |  |   |  |  |
| CDLI:  1(N58).BAD~a  |                          |  |  |  |  |   |  |  |
| 85× IV: 18p/3u;<br>III: 46p/18u                              | <a href="#">o0980877</a> | ZATU043  |  |  |  |   |  |  |
| <b>[1(N58).BAD)~b]</b><br>12926                              | PC25                     | <br>12926     | <br>12926     | <br>12926 | <br>F2222   | <br>12926   | <br>F2222   |  |
| AKA:  1(N58).BAD~b   |                          |  |  |  |  |   |  |  |
| CDLI:  1(N58).BAD~b  |                          |  |  |  |  |   |  |  |
| 6× IV: 4p/2u   | <a href="#">o0980878</a> | ZATU043  | <br>F2222     |  |  |   |  |  |
| <b>[3(N58).UR<sub>3</sub>~b1]</b><br>12927                   | PC25                     | <br>12927     | <br>12927     | <br>12927 | <br>12927   |   |  |  |
| 1× III: 1p   | <a href="#">o0980879</a> |  |  |  |  |   |  |  |
| <b>NA~a</b><br>12928   | PC25                     | <br>12928     | <br>12928     | <br>12928 | <br>12928   | <br>12928  | <br>12928   |  |
| AKA: NA<br>169×  |                          |  |  |  |  |   |  |  |
| IV: 4p/2u;<br>III: 91p/70u                                   | <a href="#">o0980880</a> | ZATU378  |  |  |  |   |  |  |
| <b>NA~b</b><br>12929   | PC25                     | <br>12929     | <br>12929     | <br>12929 | <br>12929   |   |  |  |
| 8× IV: 4p; III: 1p/2u  | <a href="#">o0980881</a> | ZATU378  |  |  |  |   |  |  |
| <b>NA~c</b><br>1292A   | PC25                     | <br>1292A     | <br>1292A     | <br>1292A | <br>1292A   |   |  |  |
| 4× IV: 4p  | <a href="#">o0980882</a> | ZATU378  |  |  |  |   |  |  |
| <b>NA~d</b>  | UNP                      | <br>F2459     | <br>F2459     |  |  |   |  |  |
| 1× III: 1u   | <a href="#">o0980883</a> | ZATU378  |  |  |  |   |  |  |

| PCSL  |   | FONT   | CDLI  | ATU3  | ATU5   | MSVO1  | MSVO4   | CUSAS   |
|---|---|--|---|---|--|--|---|---|
| <b>NA<sub>2</sub>~a</b><br>1292B                  |    | PC25<br>      |    |    |                |   |    |   |
| 84× IV: 3p/4u;<br>III: 49p/25u                    | <b>o0980884</b>   | ZATU379  | <sup>1</sup> F213B<br>   |    | 1292B  | F213B  | 1292B   | 1292B   |
| <b>NA<sub>2</sub>~b1</b><br>1292C                 |    | PC25<br>      |    |   |                |  |   |   |
| 6× IV: 1p; III: 5p                                | <b>o0980885</b>   | ZATU379  | 1292C   |   | 1292C  |  |   |   |
| <b>NA<sub>2</sub>~b2</b><br>1292D                 |    | PC25<br>      |    |   |  |  |   |   |
| 7× III: 6p/1u                                     | <b>o0980886</b>   | ZATU379  | 1292D   |   |  |  |   |   |
| <b>NA<sub>2</sub>~c</b><br>1292E                  |    | PC25<br>      |    |   |  |  |   |    |
| 1× III: 1p  | <b>o0980887</b>   | ZATU379  | 1292E   |   |  |  |   | 1292E   |
| <b>NAB</b><br>1292F                               |    | PC25<br>      |    |   |  |  |   |    |
| 20× III: 13p/4u                                   | <b>o0980888</b>   | ZATU380  | <sup>1</sup> 1292F<br><br><sup>2</sup> F213C<br><br>F213D<br>  | <br><br>   |  |  |   | 1292F   |
| <b>NAGA~a</b><br>12930                            |    | PC25<br>      |    |   |               |  |   |   |
| AKA: NAGA<br>163×<br>IV: 13p/6u;<br>III: 100p/37u | <b>o0980889</b>   | ZATU381  | 12930   | 12930   | 12930  | 12930  | 12930   |   |
| <b>[NAGA~a×TAK<sub>4</sub>~a]</b><br>12931        |  | PC25<br>    |    |   |  |  |   |   |
| 1× III: 1p  | <b>o0980890</b>   | ZATU381  | 12931   |   |  |  |   |   |
| <b>NAGA~b</b><br>12932                            |  | PC25<br>    |    |    |              |  |   |   |
| 7× IV: 6p/1u                                      | <b>o0980891</b>   | ZATU381  | 12932   | 12932   | 12932  |  |   |   |
| <b>NAGAR~a</b><br>12933                           |  | PC25<br>    |    |   |  |  |   |   |
| 100×<br>IV: 40p;<br>III: 50p/10u                  | <b>o0980892</b>   | ZATU382  | <sup>1</sup> F213E<br><br><sup>2</sup> F213F<br><br><sup>3</sup> F2140<br><br>12933<br> | <br><br><br><br> | <br>12933 (b) |  |  |  |
| <b>[NAGAR~a.BU~a]</b>                             |   | PC25-sq<br> |    |   |  |  |   |   |
| AKA: ILDUM~a<br>CDLI: ILDUM~a<br>1× IV: 1p        | <b>o0980604</b>   | ZATU263  | F2253<br>  |    |  |  |   |   |
| <b>NAGAR~b</b><br>12934                           |  | PC25<br>    |    |   |  |  |   |   |
| 95× IV: 1u;<br>III: 85p/5u                        | <b>o0980893</b>   | ZATU382  | 12934<br><br><sup>1</sup> F2141<br>   | <br><br>   | <br>12934 (a) |  |  |  |

| PCSL  | FONT               | CDLI   | ATU3   | ATU5   | MSVO1  | MSVO4   | CUSAS  |
|---|--------------------|--|--|--|--|---|--|
| <b> NAGAR~b.BU~a </b><br>AKA: ILDUM~b<br>CDLI: ILDUM~b<br>4× III: 4p<br>o0980605      | PC25-sq<br>ZATU263 |   |   |     |  |   |  |
| <b>NAM~a</b><br>12935<br>11× IV: 5p; III: 2p/3u<br>o0980894                           | PC25<br>ZATU383    |   |   |    |  |   |  |
| <b>NAM~b</b><br>12936<br>3× IV: 3p<br>o0980895  | PC25<br>ZATU383    |   |   |    |  |   |  |
| <b>NAM~c</b><br>12937<br>4× IV: 1u; III: 3p<br>o0980896                               | PC25<br>ZATU383    |   |   |  |  |   |  |
| <b>NAM~d</b><br>12938<br>5× IV: 1u; III: 2p/2u<br>o0980897                            | PC25<br>ZATU383    |   |   |     |   |   |  |
| <b>NAM<sub>2</sub></b><br>12939<br>829×<br>IV: 61p/12u;<br>III: 511p/219u<br>o0980898 | PC25<br>ZATU384    | <br>   |   |     |    |    |   |
| <b> NAM<sub>2</sub>×1(N01) </b><br>1293A<br>1× III: 1p<br>o0980899                    | PC25<br>ZATU385    |    |    |  |  |   |  |
| <b>NAM<sub>2</sub>@g</b><br>1293B<br>1× III: 1p<br>o0980900                           | PC25<br>ZATU386    |   |   |   |  |   |  |
| <b>NAM<sub>2</sub>@t</b><br>1293C<br>9× IV: 1p; III: 8u<br>o0980901                   | PC25<br>ZATU386    |   |   |  |  |   |  |
| <b>NANŠE~a</b><br>1293D<br>6× IV: 2p; III: 3p/1u<br>o0980905                          | PC25<br>ZATU389    |   |   |  |  |   |  |
| <b>NANŠE~b</b><br>1293E<br>7× III: 7p<br>o0980906                                     | PC25<br>ZATU389    |   |   |   |  |   |  |
| <b>NAR</b><br>1293F<br>127×<br>IV: 5p;<br>III: 62p/56u<br>o0980907                    | PC25<br>ZATU390    | <br>   |   |   |    |  |   |
| <b>NE~a</b><br>12940<br>345×<br>IV: 49p/17u;<br>III: 185p/89u<br>o0980908             | PC25<br>ZATU391    | <br><br><br> | <br><br><br> |   | <br> |  | <br> |




























































| PCSL   | FONT                       | CDLI   | ATU3   | ATU5  | MSVO1  | MSVO4   | CUSAS   |
|--|----------------------------|--|--|---|--|---|---|
| <b> NE~a.RU </b><br>AKA: ERIM <sub>2</sub><br>CDLI: ERIM <sub>2</sub><br>22× III: 18p/4u<br>o0980329 | PC25-sq<br>ZATU144         |   |   |    |  |    |   |
| <b>NE~b</b><br>12941<br>1× IV: 1p<br>o0980909  | PC25<br>ZATU391            |   |   |   |  |   |   |
| <b>NE~c</b><br>12942<br>3× IV: 1p; III: 2p<br>o0980910   | PC25<br>ZATU391            | <br>     |   |   |  |   |   |
| <b> NE~c.GI </b><br>AKA: GIBIL <sub>6</sub><br>CDLI: GIBIL <sub>6</sub><br>2× III: 2p<br>o0980497    | PC25-sq<br>ZATU215         | <br>     |   |    |  |   |   |
| <b>NE~d</b><br>12943<br>2× IV: 2p<br>o0980911  | PC25<br>ZATU391            |   |   |    |  |   |   |
| <b>NESAG<sub>2</sub>~a</b><br>12944<br>73× IV: 37p/2u;<br>III: 26p/8u<br>o0980913                    | PC25<br>ZATU416<br>ZATU570 | <br>     | <br>     |    |    |   |   |
| <b>NESAG<sub>2</sub>~a2</b><br>AKA: NISAG~a3<br>1× III: 1u<br>o0980914                               | UNP<br>ZATU416             |    |    |   |  |   |   |
| <b>NESAG<sub>2</sub>~b</b><br>12945<br>24× IV: 9p/3u;<br>III: 11p/1u<br>o0980915                     | PC25<br>ZATU416            | <br> | <br> |  |  |  |   |
| <b>NESAG<sub>2</sub>~b@t</b><br>1× III: 1u<br>o0980916   | UNP                        |   |   |   |  |   |   |
| <b>NI~a</b><br>12946<br>356× IV: 13p/6u;<br>III: 192p/145u<br>o0980917                               | PC25<br>ZATU393            |   |   |  |  |  |  |
| <b> NI~a.RU </b><br>78× III: 78p<br>o0980918   | PC25-sq                    |   |   |   |  |  |   |
| <b> NI~a×1(N57) </b><br>o0980919   | ZERO                       |   |   |   |  |   |   |
| <b>NI~a@g</b><br>12947<br>1× IV: 1p<br>o0980920  | PC25<br>ZATU394            |   |   |   |  |   |   |
| <b>NI~b</b><br>12948<br>91× IV: 5p;<br>III: 75p/10u<br>o0980921                                      | PC25<br>ZATU393            |   |   |  |  |   |  |
| <b> NI~b×X </b><br>1× IV: 1p<br>o0980922   | PC25-bk                    |   |   |  |  |   |   |

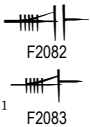



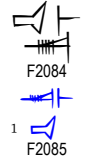










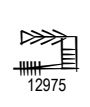
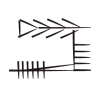


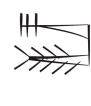
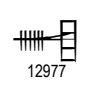
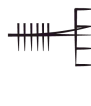






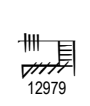


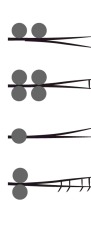
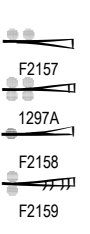
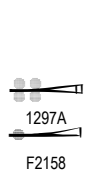


| PCSL                                     |                          | FONT     | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|--------------------------|----------|------|------|------|-------|-------|-------|
| [NI~b×4(N57)]<br>12949                   |                          | PC25<br> |      |      |      |       |       |       |
| 1× III: 1p                               | <a href="#">o0980923</a> | ZATU396  |      |      |      |       |       |       |
| [NI~b×8(N57)]<br>1294A                   |                          | PC25<br> |      |      |      |       |       |       |
| CDLI:  8(N57).NI~b <br>1× III: 1p        | <a href="#">o0980924</a> |          |      |      |      |       |       |       |
| NI <sub>2</sub><br>1294B                 |                          | PC25<br> |      |      |      |       |       |       |
| 32× III: 27p/5u                          | <a href="#">o0980925</a> | ZATU396  |      |      |      |       |       |       |
| NIGIN<br>1294C                           |                          | PC25<br> |      |      |      |       |       |       |
| 9× III: 7p/2u                            | <a href="#">o0980926</a> | ZATU397  |      |      |      |       |       |       |
| NIM~a<br>1294D                           |                          | PC25<br> |      |      |      |       |       |       |
| 88× IV: 22p/6u;<br>III: 44p/15u          | <a href="#">o0980927</a> | ZATU398  |      |      |      |       |       |       |
| NIM~b1<br>1294E                          |                          | PC25<br> |      |      |      |       |       |       |
| 68× IV: 2p;<br>III: 41p/25u              | <a href="#">o0980928</a> | ZATU398  |      |      |      |       |       |       |
| NIM~b2<br>1294F                          |                          | PC25<br> |      |      |      |       |       |       |
| 22× IV: 2p;<br>III: 10p/9u               | <a href="#">o0980929</a> | ZATU398  |      |      |      |       |       |       |
| NIM~b3<br>12950                          |                          | PC25<br> |      |      |      |       |       |       |
| 1× III: 1p                               | <a href="#">o0980930</a> | ZATU398  |      |      |      |       |       |       |
| NIM~d                                    |                          | UNP      |      |      |      |       |       |       |
| 1×                                       | <a href="#">o0980931</a> | ZATU398  |      |      |      |       |       |       |
| NIMGIR<br>12951                          |                          | PC25<br> |      |      |      |       |       |       |
| 84× IV: 23p/1u;<br>III: 42p/15u          | <a href="#">o0980932</a> | ZATU399  |      |      |      |       |       |       |
| NINDA <sub>2</sub><br>12952              |                          | PC25<br> |      |      |      |       |       |       |
| 23× IV: 9p/3u;<br>III: 7p/2u             | <a href="#">o0980934</a> | ZATU401  |      |      |      |       |       |       |
| [NINDA <sub>2</sub> ×AN]<br>12953        |                          | PC25<br> |      |      |      |       |       |       |
| 2× III: 1p/1u                            | <a href="#">o0980935</a> |          |      |      |      |       |       |       |
| [NINDA <sub>2</sub> ×(AN.HI)]<br>12954   |                          | PC25<br> |      |      |      |       |       |       |
| 2× III: 2p                               | <a href="#">o0980936</a> |          |      |      |      |       |       |       |
| [NINDA <sub>2</sub> ×(AN.ME~a)]<br>12955 |                          | PC25<br> |      |      |      |       |       |       |
| 1× III: 1p                               | <a href="#">o0980937</a> | ZATU406  |      |      |      |       |       |       |



| PCSL   |          | FONT    | CDLI  | ATU3 | ATU5  | MSVO1 | MSVO4 | CUSAS |
|--|----------|---------|-------|------|-------|-------|-------|-------|
| NINDA <sub>2</sub> ×MAR~a <br>1295F  |          | PC25    |       |      |       |       |       |       |
| 1×   | o0980951 | ZATU408 | 1295F |      |       |       |       | 1295F |
| NINDA <sub>2</sub> ×MAR~b <br>12960  |          | PC25    |       |      |       |       |       |       |
| 1× III: 1p   | o0980952 | ZATU408 | 12960 |      |       |       |       |       |
| NINDA <sub>2</sub> ×NE~a   |          | EDI     |       |      |       |       |       |       |
|  | o0980953 |         | F2509 |      |       |       |       |       |
| NINDA <sub>2</sub> ×NUN~a <br>12961  |          | PC25    |       |      |       |       |       |       |
| 3× III: 3p   | o0980954 |         | 12961 |      |       |       |       | 12961 |
| NINDA <sub>2</sub> ×ŠIM~a  |          | EDI     |       |      |       |       |       |       |
|  | o0980955 |         | F250A |      |       |       |       |       |
| NINDA <sub>2</sub> ×U <sub>4</sub>  <br>12962  |          | PC25    |       |      |       |       |       |       |
| 3× III: 1p/2u  | o0980956 | ZATU409 | 12962 |      |       |       |       |       |
| NINDA <sub>2</sub> ×(U <sub>4</sub> .X)  |          | UNP     |       |      |       |       |       |       |
| 1× III: 1u   | o0980957 |         | F2460 |      |       |       |       |       |
| NINDA <sub>2</sub> ×(UDU~a×TAR~a)  |          | UNP     |       |      |       |       |       |       |
| AKA:  NINDA <sub>2</sub> ×((UDU~a×TAR~a) <br>CDLI:  NINDA <sub>2</sub> ×((UDU~a×TAR~a) |          |         | F2461 |      |       |       |       |       |
| 1× III: 1u   | o0980958 | ZATU410 |       |      |       |       |       |       |
| NINDA <sub>2</sub> ×(UDU~a×TAR~b)  |          | UNP     |       |      |       |       |       |       |
| AKA:  NINDA <sub>2</sub> ×((UDU~a+TAR~b)   |          |         | F2462 |      |       |       |       |       |
| 1× III: 1u   | o0980959 | ZATU410 |       |      |       |       |       |       |
| NINDA <sub>2</sub> ×X  |          | PC25-bk |       |      |       |       |       |       |
| 12× IV: 2p/1u;<br>III: 3p/5u   | o0980960 |         | F2463 |      |       | F2463 |       |       |
| NINDA <sub>2</sub> ×(X.MAŠ)  |          | EDI     |       |      |       |       |       |       |
|  | o0980961 |         | F250B |      |       |       |       |       |
| NINDA <sub>2</sub> ×(ZATU659×1(N01)) <br>12963   |          | PC25    |       |      |       |       |       |       |
| 2× III: 2p   | o0980962 |         | 12963 |      |       | 12963 |       |       |
| NINDA <sub>2</sub> ×ZATU710 <br>12964  |          | PC25    |       |      |       |       |       |       |
| 3× III: 3p   | o0980963 |         | 12964 |      |       |       |       | 12964 |
| NINDA <sub>2</sub> ×1(N01) <br>12965   |          | PC25    |       |      |       |       |       |       |
| 7× IV: 3p/1u;<br>III: 2p/1u  | o0980964 | ZATU411 | 12965 |      | 12965 |       | 12965 |       |
| NINDA <sub>2</sub> ×2(N01) <br>12966   |          | PC25    |       |      |       |       |       |       |
| 1× III: 1p   | o0980965 | ZATU411 | 12966 |      | 12966 |       |       |       |
| NINDA <sub>2</sub> ×1(N06)   |          | EDI     |       |      |       |       |       |       |
|  | o0980966 |         | F2507 |      |       |       |       |       |



| PCSL   | FONT | CDLI   | ATU3   | ATU5  | MSVO1  | MSVO4  | CUSAS |
|--|------|--|--|---|--|--|-------|
| NINDA <sub>2</sub> *1(N06).HI@g~a <br>12967<br><br>AKA:  NINDA <sub>2</sub> *(HI@g~a.1(N06)) <br>CDLI:  NINDA <sub>2</sub> *(HI@g~a.1(N06)) <br>2× III: 1p/1u <span style="color: red;">o0980967</span> ZATU021 | PC25 | <br>12967   | <br>12967   |   |  |  |       |
| NINDA <sub>2</sub> *1(N08) <br>12968<br><br>1× IV: 1p <span style="color: red;">o0980968</span> ZATU411   | PC25 | <br>12968   | <br>12968   | <br>12968   |  |  |       |
| NIR~a <br>12969<br><br>32× IV: 1u;<br>III: 23p/7u <span style="color: red;">o0980971</span> ZATU414   | PC25 | <br>12969   | <br>12969   | <br>12969    | <br>12969   | <br>12969   |       |
| NIR~axAN <br>1296A<br><br>14× III: 5p/9u <span style="color: red;">o0980972</span> ZATU415  | PC25 | <br>1296A   | <br>1296A   |   | <br>1296A   |  |       |
| NIR~b <br>1296B<br><br>15× IV: 10p; III: 4p <span style="color: red;">o0980973</span> ZATU414   | PC25 | <br>1296B   | <br>1296B   | <br>1296B   |  |  |       |
| NU <br>1296C<br><br>63× IV: 2p/4u;<br>III: 37p/18u <span style="color: red;">o0980974</span> ZATU417  | PC25 | <br>1296C   | <br>1296C   | <br>1296C   |  | <br>1296C   |       |
| NU@g <br>1296D<br><br>21× IV: 5p/7u; III: 8p <span style="color: red;">o0980975</span> ZATU418  | PC25 | <br>1296D<br><br>F2156 | <br>1296D | <br>1296D | <br>1296D | <br>F2156 |       |
| NU <sub>11</sub>  <br>1296E<br><br>45× IV: 2p;<br>III: 37p/6u <span style="color: red;">o0980976</span> ZATU419   | PC25 | <br>1296E   | <br>1296E | <br>1296E |  | <br>1296E |       |
| NU <sub>11</sub> &NU <sub>11</sub>  <br>1296F<br><br>1× III: 1p <span style="color: red;">o0980977</span>   | PC25 | <br>1296F   | <br>1296F | <br>1296F  |  |  |       |
| NU <sub>11</sub> @t <br>12970<br><br>CDLI:  NU <sub>11</sub> @t <br>4× III: 2p/2u <span style="color: red;">o0980978</span>   | PC25 | <br>12970   | <br>12970 |   |  |  |       |
| NUMUN <br>12971<br><br>15× IV: 1p;<br>III: 12p/2u <span style="color: red;">o0980979</span>   | PC25 | <br>12971   | <br>12971 | <br>12971 | <br>12971 | <br>12971 |       |
| NUMUN <sub>2</sub>  <br>2× III: 2u <span style="color: red;">o0980980</span> ZATU420   | UNP  | <br>F2464   | <br>F2464 |   |  |  |       |
| NUN~a <br>12972<br><br>726× IV: 97p/13u;<br>III: 431p/155u <span style="color: red;">o0980981</span> ZATU421  | PC25 | <br>12972   | <br>12972 | <br>12972 | <br>12972 | <br>12972 |       |












































| PCSL  | FONT               | CDLI  | ATU3  | ATU5   | MSVO1  | MSVO4   | CUSAS |
|---|--------------------|---|---|--|--|---|-------|
| <b> NUN~a.ME~a </b><br>AKA: ABGAL<br>CDLI: ABGAL<br>51× III: 40p/9u<br>o0980028                 | PC25-sq<br>ZATU015 | <br>F2082<br>1 F2083                         | <br>F2082<br>F2083                     | <br>F2082 (o) | <br>F2082 (o)                          |   |       |
| <b> NUN~a.ME~a.DU </b><br>AKA: ABRIG<br>CDLI: ABRIG<br>2× III: 2p<br>o0980029                   | PC25-sq<br>ZATU016 | <br>F2084<br>1 F2085                         | <br>F2084<br>F2085                     | <br>F2085 (o) |  |   |       |
| <b> NUN~a+a </b><br>12973<br>3× IV: 2p; III: 1p<br>o0980982                                     | PC25<br>ZATU422    | <br>12973                                    | <br>12973                              |  | <br>12973                              |   |       |
| <b> NUN~a+EN~a </b><br>12974<br>AKA:  EN~a×NUN~a <br>39× IV: 11p/5u;<br>III: 12p/5u<br>o0980983 | PC25<br>ZATU135    | <br>12974                                    | <br>12974                              | <br>12974     | <br>12974                              | <br>12974            |       |
| <b> NUN~a+EN~b </b><br>12975<br>5× IV: 2p/3u<br>o0980984  | PC25<br>ZATU135    | <br>12975                                    | <br>12975                              |  | <br>12975 (b)                          |   |       |
| <b> NUN~a+EN~d </b><br>12976<br>1× IV: 1p<br>o0980985   | PC25<br>ZATU135    | <br>12976                                   | <br>12976                             |  |  |   |       |
| <b> NUN~a+NAM<sub>2</sub> </b><br>12977<br>13× III: 13p<br>o0980986                             | PC25<br>ZATU135    | <br>12977                                  | <br>12977                            |  |  | <br>12977           |       |
| <b>NUN~b</b><br>12978<br>117× IV: 35p/3u;<br>III: 16p/61u<br>o0980987                           | PC25<br>ZATU421    | <br>12978                                  | <br>12978                            | <br>12978   | <br>12978                            |   |       |
| <b> NUN~b.U<sub>4</sub> </b><br>1× III: 1p<br>o0980988  | PC25-sq<br>ZATU135 | <br>12978_12A7F                            |   |  |  |   |       |
| <b> NUN~b+EN~a </b><br>12979<br>AKA:  EN~a+NUN~b <br>9× III: 8p<br>o0980989                     | PC25<br>ZATU135    | <br>12979                                  | <br>12979                            |  |  |   |       |
| <b>NUN~c</b><br>1297A<br>18× IV: 14p/2u;<br>III: 2p<br>o0980990                                 | PC25<br>ZATU421    | <br>1 F2157<br>1297A<br>2 F2158<br>3 F2159 | <br>F2157<br>1297A<br>F2158<br>F2159 |  | <br>F2157<br>1297A<br>F2158<br>F2159 | <br>1297A<br>F2158 |       |
| <b>NUN~d</b><br>1297B<br>4× IV: 2p<br>o0980991  | PC25<br>ZATU421    | <br>1297B                                  | <br>1297B                            |  |  |   |       |

| PCSL  | FONT    | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|---------|------|------|------|-------|-------|-------|
| <b>NUNUZ~a0</b><br>1297C<br><br>AKA: NUNUZ~a1@n<br>13× III: 3p/10u <span style="color: red;">o0980992</span> ZATU423                    |         |      |      |      |       |       |       |
| <b>NUNUZ~a1</b><br>1297D<br><br>184×<br>IV: 3p/2u;<br>III: 109p/67u <span style="color: red;">o0980993</span> ZATU423                   |         |      |      |      |       |       |       |
| <b>NUNUZ~a1@t</b><br><br>CDLI:  NUNUZ~a1@t <br>2× III: 2u <span style="color: red;">o0980994</span>                                     | UNP     |      |      |      |       |       |       |
| <b>NUNUZ~a2</b><br>1297E<br><br>14× IV: 6p; III: 2p/5u <span style="color: red;">o0980995</span> ZATU423                                |         |      |      |      |       |       |       |
| <b>NUNUZ~b1</b><br>1297F<br><br>5× IV: 2p; III: 3p <span style="color: red;">o0980996</span> ZATU423                                    |         |      |      |      |       |       |       |
| <b>NUNUZ~b2</b><br><br>1× III: 1u <span style="color: red;">o0980997</span> ZATU423   | UNP     |      |      |      |       |       |       |
| <b>NUNUZ~c</b><br>12980<br><br>27× IV: 1p;<br>III: 14p/11u <span style="color: red;">o0980998</span> ZATU423                            |         |      |      |      |       |       |       |
| <b>PA~a</b><br>12981<br><br>514×<br>IV: 40p/8u;<br>III: 338p/116u <span style="color: red;">o0980999</span> ZATU425                     |         |      |      |      |       |       |       |
| <b> PA~a.IB~a </b><br><br>AKA: ŠAB~a<br>CDLI: ŠAB~a<br>79× IV: 5p/1u;<br>III: 63p/10u <span style="color: red;">o0981187</span> ZATU504 | PC25-sq |      |      |      |       |       |       |
| <b> PA~a.UDU~a </b><br><br>AKA: SIPA<br>CDLI: SIPA<br>6× III: 6p <span style="color: red;">o0981147</span>                              | PC25-sq |      |      |      |       |       |       |
| <b>PA~b</b><br>12982<br><br>2× IV: 1p <span style="color: red;">o0981000</span> ZATU425   |         |      |      |      |       |       |       |




























































| PCSL   |                          | FONT    | CDLI                           | ATU3 | ATU5           | MSVO1          | MSVO4 | CUSAS          |
|--|--------------------------|---------|--------------------------------|------|----------------|----------------|-------|----------------|
| <b>PIRIG~b2</b><br>1298D                       |                          | PC25    |                                |      |                |                |       |                |
| 2× IV: 1p; III: 1p                             | <a href="#">o0981014</a> | ZATU428 | 1298D                          |      |                |                |       |                |
| <b>PU<sub>2</sub></b><br>1298E                 |                          | PC25    |                                |      |                |                |       |                |
| 40× IV: 1p;<br>III: 34p/4u                     | <a href="#">o0981015</a> | ZATU430 | <sup>1</sup><br>F2162          |      | F2162          |                | F2162 |                |
| <b>RA</b><br>1298F                             |                          | PC25    |                                |      |                |                |       |                |
| 4× IV: 1p; III: 3p                             | <a href="#">o0981016</a> | ZATU431 | 1298F                          |      |                |                | 1298F |                |
| <b>RAD~a</b><br>12990                          |                          | PC25    |                                |      |                |                |       |                |
| 238× IV: 4p/2u;<br>III: 110p/111u              | <a href="#">o0981017</a> | ZATU432 | 12990                          |      | 12990          | 12990          | 12990 | 12990          |
| <b>RAD~a@g</b><br>12991                        |                          | PC25    |                                |      |                |                |       |                |
| 15× IV: 5p/1u;<br>III: 3p/6u                   | <a href="#">o0981018</a> | ZATU433 | 12991                          |      | 12991          | 12991          |       |                |
| <b>RAD~a@t</b>                                 |                          | UNP     |                                |      |                |                |       |                |
| CDLI:  RAD~a@t <br>2× III: 2u                  | <a href="#">o0981019</a> |         | F2468                          |      |                |                |       |                |
| <b>RAD~b</b><br>12992                          |                          | PC25    |                                |      |                |                |       |                |
| 16× IV: 14p; III: 2p                           | <a href="#">o0981020</a> | ZATU432 | 12992                          |      | 12992          | 12992          |       |                |
| <b>RI</b>                                      |                          | EDI     |                                |      |                |                |       |                |
|  | <a href="#">o0981021</a> |         | F24E9                          |      |                |                |       |                |
| <b>RI~x</b>                                    |                          | DEL     |                                |      |                |                |       |                |
|  | <a href="#">o0982244</a> |         | F24EA                          |      |                |                |       |                |
| <b>RI<sub>8</sub>~a</b><br>12993               |                          | PC25    |                                |      |                |                |       |                |
| 8× IV: 1p; III: 4p/3u                          | <a href="#">o0981022</a> | ZATU434 | 12993                          |      | 12993          |                |       |                |
| <b>RI<sub>8</sub>~b</b><br>12994               |                          | PC25    |                                |      |                |                |       |                |
| 1× III: 1p                                     | <a href="#">o0981023</a> | ZATU434 | <sup>1</sup><br>F2163          |      | 12994          |                |       | F2163 (a)      |
| <b>RU</b><br>12995                             |                          | PC25    |                                |      |                |                |       |                |
| AKA: RU~a<br>345× IV: 16p/6u;<br>III: 237p/82u | <a href="#">o0981024</a> | ZATU435 | <sup>1</sup><br>F2164<br>12995 |      | F2164<br>12995 | F2164<br>12995 | 12995 | F2164<br>12995 |
| <b>RU@t</b>                                    |                          | ZERO    |                                |      |                |                |       |                |
| CDLI:  RU@t                                    | <a href="#">o0981025</a> |         | F2469                          |      |                |                |       |                |
| <b>SA~a</b><br>12996                           |                          | PC25    |                                |      |                |                |       |                |
| 25× IV: 1p;<br>III: 16p/8u                     | <a href="#">o0981026</a> | ZATU436 | 12996                          |      | 12996          | 12996          | 12996 |                |
























































































| PCSL                                       |                          | FONT                   | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|--------------------------|------------------------|------|------|------|-------|-------|-------|
| SA~c<br>12997                              |                          | PC25<br>12997          |      |      |      |       |       |       |
| 53× III: 40p/12u                           | <a href="#">o0981027</a> | ZATU436<br>F2165       |      |      |      |       |       |       |
| SAG<br>12998                               |                          | PC25<br>F2167<br>12998 |      |      |      |       |       |       |
| 417×<br>IV: 31p/8u;<br>III: 259p/109u      | <a href="#">o0981028</a> | ZATU437<br>F2168       |      |      |      |       |       |       |
| SAG+UKKIN~b×1(N57) <br>12999               |                          | PC25<br>12999          |      |      |      |       |       |       |
| AKA:  SAG×(UKKIN~b×1(N57)) <br>1× III: 1p  | <a href="#">o0981029</a> |                        |      |      |      |       |       |       |
| SAG×GEŠTU~a <br>1299A                      |                          | PC25<br>1299A          |      |      |      |       |       |       |
| AKA:  SAG+GEŠTU~a <br>10× IV: 8p; III: 1u  | <a href="#">o0981030</a> | ZATU438                |      |      |      |       |       |       |
| SAG×GEŠTU~b <br>1299B                      |                          | PC25<br>1299B          |      |      |      |       |       |       |
| 3× III: 3p                                 | <a href="#">o0981031</a> | ZATU438<br>F2166       |      |      |      |       |       |       |
| SAG×GEŠTU~c                                |                          | UNP<br>F246A           |      |      |      |       |       |       |
| 1× III: 1u                                 | <a href="#">o0981032</a> | ZATU438                |      |      |      |       |       |       |
| SAG×LAM~c                                  |                          | EDI<br>F250C           |      |      |      |       |       |       |
|  | <a href="#">o0981033</a> |                        |      |      |      |       |       |       |
| SAG×MA <br>1299C                           |                          | PC25<br>1299C          |      |      |      |       |       |       |
| 19× III: 18p                               | <a href="#">o0981034</a> | ZATU439                |      |      |      |       |       |       |
| SAG×NAM <sub>2</sub>  <br>1299D            |                          | PC25<br>1299D          |      |      |      |       |       |       |
| AKA:  SAG+NAM <sub>2</sub>  <br>1× III: 1p | <a href="#">o0981035</a> |                        |      |      |      |       |       |       |
| SAG×SAR~a                                  |                          | EDI<br>F250D           |      |      |      |       |       |       |
|  | <a href="#">o0981036</a> |                        |      |      |      |       |       |       |
| SAG×1(N14)                                 |                          | UNP<br>F246B           |      |      |      |       |       |       |
| 1× III: 1u                                 | <a href="#">o0981037</a> | ZATU440                |      |      |      |       |       |       |
| SAG@g<br>1299E                             |                          | PC25<br>1299E          |      |      |      |       |       |       |
| 9× III: 4p/5u                              | <a href="#">o0981038</a> |                        |      |      |      |       |       |       |
| SAG@n<br>1299F                             |                          | PC25<br>1299F          |      |      |      |       |       |       |
| 18× IV: 1p;<br>III: 16p/1u                 | <a href="#">o0981039</a> | ZATU441                |      |      |      |       |       |       |

| PCSL  | FONT   | CDLI   | ATU3   | ATU5   | MSVO1  | MSVO4  | CUSAS  |
|---|--|--|--|--|--|--|--|
| <b>SAGŠU</b><br>129A0<br><br>31× III: 17p/14u<br>o0981040   | PC25<br><br>ZATU442 | <br>129A0       | <br>129A0 |  |  | <br>129A0   |  |
| <b>SAL</b><br>129A1<br><br>985×<br>IV: 52p/19u;<br>III: 573p/310u<br>o0981041   | PC25<br><br>ZATU443 | <br>129A1       | <br>129A1 | <br>129A1      | <br>129A1 | <br>129A1   |  |
| <b>[SAL.KUR~a]</b><br><br>50× IV: 3p/1u;<br>III: 33p/12u<br>o0981042  | PC25-sq<br>ZATU201   | <br>F2257       |           |  | <br>F2257  | <br>F2257   | <br>F2257   |
| <b>[SAL.LAGAR~a]</b><br><br>AKA: MURUB <sub>2</sub><br>CDLI: MURUB <sub>2</sub><br>5× III: 3p/2u<br>o0980866                    | PC25-sq<br>ZATU371   | <br>F2258       |           |  |  |  |  |
| <b>[SAL.LAM~b]</b><br><br>2× III: 2u<br>o0981043  | UNP  | <br>F2259       |           |  |  |  |  |
| <b>[SAL.ME~a]</b><br><br>AKA: LUKUR<br>1× III: 1p<br>o0981044   | PC25-sq<br>ZATU400   | <br>129A1_12908 |  |  |  |  |  |
| <b>[SAL.NAM<sub>2</sub>]</b><br><br>AKA: NIN<br>CDLI: NIN<br>107×<br>IV: 1u;<br>III: 67p/37u<br>o0980933                        | PC25-sq<br>ZATU400   | <br>F225A       |           | <br>F225A       |  | <br>F225A   | <br>F225A   |
| <b>[SAL.NAM<sub>2</sub>.EZEN~b×ŠE~a@t.NUN~a.SIG<sub>2</sub>]</b><br><br>AKA: NINKUM<br>CDLI: NINKUM<br>10× III: 10p<br>o0980969 | PC25-sq<br>ZATU412   | <br>F225B     |         | <br>F225B (o) |  |  |  |
| <b>[SAL.SI]</b><br><br>CDLI: SIKIL<br>o0981092  | EDI  | <br>F225C     |         |  |  |  |  |
| <b>[SAL.SILA<sub>4</sub>~c]</b><br><br>AKA: KIR <sub>11</sub><br>CDLI: KIR <sub>11</sub><br>22× III: 7p/15u<br>o0980679         | PC25-sq<br>ZATU412   | <br>F225D     |         |  |  |  |  |
| <b>[SAL.ŠU<sub>2</sub>]</b><br><br>2× III: 2p<br>o0981045   | PC25-sq<br>ZATU412   | <br>F225E     |         |  |  | <br>F225E |  |
| <b>[SAL.ZATU751~a]</b><br><br>CDLI: *SAL.ZATU751~a<br>1× III: 1p<br>o0981046  | PC25-sq<br>ZATU751~a   | <br>F225F     |  |  |  | <br>F225F |  |
| <b>[SAL.ZATU751~b]</b><br><br>CDLI: *SAL+ZATU751~b<br>o0981047  | ZERO<br>ZATU751~b  | <br>F2260     |  |  |  | <br>F2260 |  |
| <b>[SAL.ZATU751~c]</b><br><br>CDLI: *SAL+ZATU751~c<br>1× III: 1p<br>o0981048  | PC25-sq<br>ZATU751~c   | <br>F2261     |  |  |  |  | <br>F2261 |
| <b>[SAL×1(N58)]</b><br>129A2<br><br>2× III: 1p/1u<br>o0981049   | PC25<br>ZATU442  | <br>129A2     |         |  |  |  |  |
















































| PCSL                                   |          | FONT                                | CDLI | ATU3                   | ATU5                        | MSVO1     | MSVO4     | CUSAS              |
|--|----------|-------------------------------------|------|------------------------|-----------------------------|-----------|-----------|--------------------|
| SANGA~a<br>129A3                       |          | PC25<br>1 F2169<br>2 F216A<br>129A3 |      | <br>F2169<br>129A3 (b) | <br>F2169<br>F216A<br>129A3 | <br>129A3 | <br>129A3 |                    |
| 716×<br>IV: 71p/28u;<br>III: 438p/155u | o0981050 | ZATU444                             |      |                        |                             |           |           |                    |
| SANGA~b<br>129A4                       |          | PC25<br>1 F216B<br>129A4            |      |                        | <br>F216B<br>129A4          |           |           |                    |
| 16× IV: 10p; III: 1p                   | o0981051 | ZATU444                             |      |                        |                             |           |           |                    |
| SANGA~c<br>129A5                       |          | PC25<br>129A5                       |      |                        |                             |           |           |                    |
| 2× IV: 1p/1u                           | o0981052 | ZATU444                             |      |                        |                             |           |           |                    |
| SANGA~e<br>129A6                       |          | PC25<br>129A6<br>1 F2229            |      |                        |                             |           |           | <br>129A6<br>F2229 |
| 1× III: 1p                             | o0981053 | ZATU444                             |      |                        |                             |           |           |                    |
| SAR~a<br>129A7                         |          | PC25<br>129A7                       |      | <br>129A7              | <br>129A7                   | <br>129A7 | <br>129A7 |                    |
| 78× IV: 2p/2u;<br>III: 48p/26u         | o0981054 | ZATU445                             |      |                        |                             |           |           |                    |
| [SAR~a×ŠE~a]<br>129A8                  |          | PC25<br>129A8                       |      | <br>129A8              |                             | <br>129A8 | <br>129A8 |                    |
| 27× IV: 4p/1u;<br>III: 17p/4u          | o0981055 | ZATU514                             |      |                        |                             |           |           |                    |
| SAR~b<br>129A9                         |          | PC25<br>129A9                       |      | <br>129A9              |                             |           |           |                    |
| 5× III: 5p                             | o0981056 | ZATU445                             |      |                        |                             |           |           |                    |
| SAR~c<br>129AA                         |          | PC25<br>129AA                       |      | <br>129AA              |                             |           |           |                    |
| 4× III: 2p/2u                          | o0981057 | ZATU445                             |      |                        |                             |           |           |                    |
| SAR~d<br>129AB                         |          | PC25<br>129AB                       |      |                        |                             |           |           | <br>129AB          |
| 1× III: 1p                             | o0981058 | ZATU445                             |      |                        |                             |           |           |                    |
| SI<br>129AC                            |          | PC25<br>1 F216C<br>129AC            |      | <br>F216C              | <br>F216C                   | <br>F216C | <br>F216C |                    |
| 389×<br>IV: 23p/9u;<br>III: 204p/129u  | o0981059 | ZATU447                             |      |                        |                             |           |           |                    |
| [SI+AN]<br>129AD                       |          | PC25<br>129AD                       |      |                        |                             |           |           | <br>129AD          |
| 1× III: 1p                             | o0981060 |                                     |      |                        |                             |           |           |                    |
| [SI×EN~a]<br>129AE                     |          | PC25<br>129AE                       |      |                        |                             |           |           | <br>129AE          |
| 1× III: 1p                             | o0981061 |                                     |      |                        |                             |           |           |                    |
| [SI×GU <sub>4</sub> ]<br>129AF         |          | PC25<br>129AF                       |      |                        |                             |           |           |                    |
| 1× III: 1p                             | o0981062 | ZATU448                             |      |                        |                             |           |           |                    |



















































































































| PCSL  |   | FONT    | CDLI  | ATU3  | ATU5  | MSVO1   | MSVO4   | CUSAS   |
|---|---|---------|---|---|---|---|---|---|
| SI×KU~b1 <br>129B0                                      |    | PC25    |    |   |   |   |   |  |
| 17× III: 17p  | o0981063  |         |   |   |   |   |   |   |
| SI×SAL <br>129B1  |    | PC25    |    |   |   |   |   |  |
| 1× III: 1p  | o0981064  |         |   |   |   |   |   |   |
| SI×ŠE <sub>3</sub>  <br>129B2                           |    | PC25    |    |    |    |   |   |   |
| 4× III: 3p/1u   | o0981065  | ZATU449 |   |   |   |   |   |   |
| SI×TUN <sub>3</sub> ~a <br>129B3                        |    | PC25    |    |   |   |   |   |  |
| 1× III: 1p  | o0981066  |         |   |   |   |   |   |   |
| SI×1(N58) <br>129B4                                     |    | PC25    |    |   |   |   |   |  |
| 1× III: 1p  | o0981067  |         |   |   |   |   |   |   |
| SI <sub>4</sub> ~a<br>129B5                             |    | PC25    |    |    |    |     |   |   |
| 75× IV: 20p/5u;<br>III: 36p/11u                         | o0981068  | ZATU450 |   |   |   |   |   |   |
| SI <sub>4</sub> ~b<br>129B6                             |    | PC25    |    |    |   |     |   |   |
| 1× IV: 1p   | o0981069  | ZATU450 |   |   |   |   |   |   |
| SI <sub>4</sub> ~c<br>129B7                             |  | PC25    |  |  |   |   |   |   |
| 1× IV: 1p   | o0981070  | ZATU450 |   |   |   |   |   |   |
| SI <sub>4</sub> ~d<br>129B8                             |  | PC25    |  |  |   |   |  |   |
| 4× IV: 1p; III: 3p                                      | o0981071  | ZATU450 |  |  |   |   |   |   |
| SI <sub>4</sub> ~f<br>129B9                             |  | PC25    |  |  |   |  |  |   |
| 73× III: 57p/16u  | o0981072  | ZATU450 |  |  |   |   |   |   |
| SIG<br>129BA  |  | PC25    |  |  |  |   |  |   |
| 92× IV: 6p;<br>III: 50p/31u                             | o0981073  | ZATU451 |   |   |   |   |   |   |
| SIG~b   |   | UNP     |  |  |   |   |   |   |
| 2×  | o0981074  | ZATU451 |   |   |   |   |   |   |
| SIG@g   |   | UNP     |  |  |   |   |   |   |
| 1× III: 1u  | o0981075  |         |   |   |   |   |   |   |
| SIG <sub>2</sub> ~a1<br>129BB                           |  | PC25    |  |  |  |   |   |   |
| AKA: SIG <sub>2</sub> ~a<br>26× IV: 1u;<br>III: 14p/10u | o0981076  | ZATU452 |   |   |   |   |   |   |




























































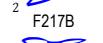






























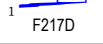
















| PCSL   |   | FONT          | CDLI  | ATU3  | ATU5  | MSVO1  | MSVO4   | CUSAS   |
|--|---|---------------|---|---|---|--|---|---|
| <b>SIG<sub>2</sub>~a2</b><br>129BC   |    | PC25<br>129BC |    |    |    |    |   |   |
| 23× IV: 3p/3u;<br>III: 13p/2u  | <b>o0981077</b>   | ZATU452       |    |    |   |   |   |   |
| <b>SIG<sub>2</sub>~a3</b><br>129BD   |    | PC25<br>129BD |    |    |    |    |   |   |
| 21× IV: 6p/1u;<br>III: 11p/3u  | <b>o0981078</b>   | ZATU452       |    |    |    |    |   |   |
| <b>SIG<sub>2</sub>~a4</b><br>129BE   |    | PC25<br>129BE |    |    |   |  |   |   |
| 2× IV: 1p; III: 1p   | <b>o0981079</b>   | ZATU452       |    |   |   |  |   |   |
| <b>SIG<sub>2</sub>~b</b><br>129BF  |    | PC25<br>129BF |    |    |    |    |  |  |
| 158× IV: 17p/16u;<br>III: 64p/51u  | <b>o0981080</b>   | ZATU452       |    |    |    |    |  |  |
| <b> SIG<sub>2</sub>~b×1(N14) </b>  |   | UNP           |    |    |   |  |   |   |
| 3× IV: 3u  | <b>o0981081</b>   | ZATU453       |    |   |   |  |   |   |
| <b> SIG<sub>2</sub>~b&amp;SIG<sub>2</sub>~b </b><br>129C0  |    | PC25<br>129C0 |    |    |   |  |   |   |
| AKA:  SIG <sub>2</sub> ~b.SIG <sub>2</sub> ~b <br>CDLI:  SIG <sub>2</sub> ~b.SIG <sub>2</sub> ~b | <b>o0981082</b>   |               |    |   |   |  |   |   |
| 2× III: 2p   |   |               |   |   |   |  |   |   |
| <b>SIG<sub>2</sub>~c1</b><br>129C1   |  | PC25<br>129C1 |  |  |  |  |   |   |
| 2× IV: 1p; III: 1p   | <b>o0981083</b>   | ZATU452       |  |   |  |  |   |   |
| <b>SIG<sub>2</sub>~c2</b><br>129C2   |  | PC25<br>129C2 |  |  |  |  |   |   |
| 1× III: 1p   | <b>o0981084</b>   | ZATU452       |  |   |  |  |   |   |
| <b>SIG<sub>2</sub>~d1</b><br>129C3   |  | PC25<br>129C3 |  |  |  |  |   |   |
| 10× III: 10p   | <b>o0981085</b>   | ZATU452       |  |   |  |  |   |   |
| <b>SIG<sub>2</sub>~d2</b><br>129C4   |  | PC25<br>129C4 |  |  |   |  |   |   |
| 4× IV: 2p; III: 1p   | <b>o0981086</b>   | ZATU452       |  |  |   |  |   |   |
| <b>SIG<sub>2</sub>~d3</b><br>129C5   |  | PC25<br>129C5 |  |  |  |  |   |   |
| 2× IV: 1p  | <b>o0981087</b>   | ZATU452       |  |   |  |  |   |   |
| <b>SIG<sub>2</sub>~d4</b><br>129C6   |  | PC25<br>129C6 |  |  |   |   |   |   |
| 4× IV: 4p  | <b>o0981088</b>   | ZATU452       |  |   |   |   |   |   |
| <b>SIG<sub>2</sub>~e</b><br>129C7  |  | PC25<br>129C7 |  |  |   |   |   |   |
| 10× IV: 4p/2u;<br>III: 1p/2u   | <b>o0981089</b>   | ZATU452       |  |   |   |   |   |   |





























































| PCSL   |          | FONT                      | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|----------|---------------------------|------|------|------|-------|-------|-------|
| <b>SIG<sub>4</sub></b><br>129C8                                    |          | PC25<br>129C8             |      |      |      |       |       |       |
| 1× IV: 1p  | o0981090 | ZATU454                   |      |      |      |       |       |       |
| <b>SIG<sub>7</sub></b><br>129C9                                    |          | PC25<br>129C9             |      |      |      |       |       |       |
| 102×<br>IV: 12p/1u;<br>III: 61p/23u                                | o0981091 | ZATU455                   |      |      |      |       |       |       |
| <b>SILA<sub>3</sub>~a</b><br>129CA                                 |          | PC25<br>129CA             |      |      |      |       |       |       |
| 52× IV: 5p/3u;<br>III: 18p/24u                                     | o0981093 | ZATU456                   |      |      |      |       |       |       |
| <b>[SILA<sub>3</sub>~a×A]</b><br>129CB                             |          | PC25<br>129CB             |      |      |      |       |       |       |
| 1× III: 1p   | o0981094 | ZATU457                   |      |      |      |       |       |       |
| <b>[SILA<sub>3</sub>~a×AMAR]</b><br>129CC                          |          | PC25<br>129CC             |      |      |      |       |       |       |
| 1× IV: 1p  | o0981095 |                           |      |      |      |       |       |       |
| <b>[SILA<sub>3</sub>~a×DUG~a]</b><br>129CD                         |          | PC25<br>129CD             |      |      |      |       |       |       |
| 8× III: 4p/4u  | o0981096 | ZATU458                   |      |      |      |       |       |       |
| <b>[SILA<sub>3</sub>~a×DUG~b]</b>                                  |          | EDI<br>F250E              |      |      |      |       |       |       |
|  | o0981097 |                           |      |      |      |       |       |       |
| <b>[SILA<sub>3</sub>~a×GA~a]</b><br>129CE                          |          | PC25<br>129CE             |      |      |      |       |       |       |
| 8× III: 3p/3u  | o0981098 | ZATU459                   |      |      |      |       |       |       |
| <b>[SILA<sub>3</sub>~a×GARA<sub>2</sub>~a]</b><br>129CF            |          | PC25<br>129CF             |      |      |      |       |       |       |
| AKA: [SILA <sub>3</sub> ~a+GARA <sub>2</sub> ~a]<br>18× III: 9p/4u | o0981099 | ZATU461                   |      |      |      |       |       |       |
| <b>[SILA<sub>3</sub>~a×GEŠTU~a]</b><br>129D0                       |          | PC25<br>129D0             |      |      |      |       |       |       |
| 1× III: 1p   | o0981100 | ZATU462                   |      |      |      |       |       |       |
| <b>[SILA<sub>3</sub>~a×GEŠTU~c3]</b><br>129D1                      |          | PC25<br>129D1             |      |      |      |       |       |       |
| 7× IV: 5p/2u   | o0981101 | ZATU462                   |      |      |      |       |       |       |
| <b>[SILA<sub>3</sub>~a×GEŠTU~c5]</b>                               |          | UNP<br>ZATU462<br>ZATU469 |      |      |      |       |       |       |
| 1× III: 1u   | o0981102 |                           |      |      |      |       |       |       |
| <b>[SILA<sub>3</sub>~a×HAŠHUR]</b><br>129D2                        |          | PC25<br>129D2             |      |      |      |       |       |       |
| 5× IV: 1p; III: 3p/1u  | o0981103 | ZATU463                   |      |      |      |       |       |       |
| <b>[SILA<sub>3</sub>~a×HI]</b><br>129D3                            |          | PC25<br>129D3             |      |      |      |       |       |       |
| 7× IV: 1p; III: 5p/1u  | o0981104 | ZATU464                   |      |      |      |       |       |       |

| PCSL  | FONT   | CDLI  | ATU3  | ATU5  | MSVO1   | MSVO4   | CUSAS |
|---|--|---|---|---|---|---|-------|
| SILA <sub>3</sub> ~a×HI@g~a <br>2× IV: 2u<br>o0981105 ZATU465   | UNP<br> |    |   |   |   |   |       |
| SILA <sub>3</sub> ~a×IB~a <br>129D4<br>1× IV: 1p<br>o0981106 ZATU466  |         |    |    |   |   |   |       |
| SILA <sub>3</sub> ~a×KAŠ~a <br>129D5<br>AKA:  SILA <sub>3</sub> ~a+KAŠ~a <br>5× IV: 1u; III: 4p<br>o0981107 ZATU467             |         |    |    |   |   |   |       |
| SILA <sub>3</sub> ~a×KAŠ~c <br>129D6<br>2× III: 2p<br>o0981108 ZATU467  |         |    |    |   |   |   |       |
| SILA <sub>3</sub> ~a×KAŠ~d <br>129D7<br>2× III: 1p/1u<br>o0981109 ZATU467   |         |    |    |   |   |   |       |
| SILA <sub>3</sub> ~a×KU <sub>6</sub> ~a <br>129D8<br>9× III: 6p/3u<br>o0981110  |         |    |    |   |    |   |       |
| SILA <sub>3</sub> ~a×KUR~a <br>129D9<br>4× IV: 1p/2u; III: 1u<br>o0981111 ZATU468   |         |    |    |   |   |   |       |
| SILA <sub>3</sub> ~a×MA <br>129DA<br>4× III: 3p/1u<br>o0981112 ZATU473  |       |  |  |   |  |   |       |
| SILA <sub>3</sub> ~a×MAŠ <br>129DB<br>3× IV: 3p<br>o0981113 ZATU470   |       |  |  |   |   |   |       |
| SILA <sub>3</sub> ~a×MUD <sub>3</sub> ~b <br>129DC<br>AKA:  SILA <sub>3</sub> ~a+MUD <sub>3</sub> ~b <br>1× III: 1p<br>o0981114 |       |  |   |   |   |  |       |
| SILA <sub>3</sub> ~a×NAGA~a <br>129DD<br>2× III: 2p<br>o0981115 ZATU471   |       |  |  |  |   |   |       |
| SILA <sub>3</sub> ~a×NI~a <br>129DE<br>10× IV: 2u; III: 7p/1u<br>o0981116 ZATU460 ZATU472                                       |       |  |  |   |   |  |       |
| SILA <sub>3</sub> ~a×NUN~b <br>129DF<br>2× IV: 1p; III: 1p<br>o0981117 ZATU614  |       |  |  |  |   |   |       |
| SILA <sub>3</sub> ~a×SUHUR <br>129E0<br>2× IV: 2p<br>o0981118   |       |  |  |   |   |   |       |

| PCSL  |   | FONT            | CDLI  | ATU3  | ATU5   | MSVO1   | MSVO4   | CUSAS |
|---|---|-----------------|---|---|--|---|---|-------|
| SILA <sub>3</sub> ~a×SUM~a <br>129E1                    |    | PC25<br>ZATU474 |    |    |  |   |   |       |
| 3× IV: 3p   | o0981119  |                 |   |   |  |   |   |       |
| SILA <sub>3</sub> ~a×SUM~b <br>129E2                    |    | PC25<br>ZATU474 |    |    |  |  |   |       |
| 1× III: 1p  | o0981120  |                 |   |   |  |   |   |       |
| SILA <sub>3</sub> ~a×ŠE~a <br>129E3                     |    | PC25<br>ZATU475 |    |    |  |   |   |       |
| 1× IV: 1p   | o0981121  |                 |   |   |  |   |   |       |
| SILA <sub>3</sub> ~a×ŠE~a@t <br>129E4                   |    | PC25            |    |    |    |   |   |       |
| 18× IV: 5p; III: 4p/7u                                  | o0981122  |                 |   |   |  |   |   |       |
| SILA <sub>3</sub> ~a×ŠU <br>129E5                       |    | PC25<br>ZATU476 |    |    |     |   |   |       |
| 17× IV: 2p/1u;<br>III: 4p/10u                           | o0981123  |                 |   |   |  |   |   |       |
| SILA <sub>3</sub> ~a×ŠU <sub>2</sub>  <br>129E6         |    | PC25<br>ZATU477 |    |    |  |  |    |       |
| 11× III: 8p/3u  | o0981124  |                 |   |   |  |   |   |       |
| SILA <sub>3</sub> ~a×X <br>17× IV: 7p/5u;<br>III: 3p/2u | o0981125  | PC25-bk         |   |    |   |   |   |       |
| F2470   |   |                 |   |   |  |   |   |       |
| SILA <sub>3</sub> ~a×ZATU629 <br>129E7                  |  | PC25            |  |  |   |   |   |       |
| 1× III: 1p  | o0981126  |                 |   |   |  |   |   |       |
| SILA <sub>3</sub> ~a×ZATU646 <br>129E8                  |  | PC25            |  |  |   |   |   |       |
| 1× III: 1p  | o0981127  |                 |   |   |  |   |   |       |
| SILA <sub>3</sub> ~a×(ZATU659.TU~c) <br>129E9           |  | PC25<br>ZATU478 |  |  |  |   |   |       |
| 1× IV: 1p   | o0981128  |                 |   |   |  |   |   |       |
| SILA <sub>3</sub> ~a×1(N57) <br>129EA                   |  | PC25<br>ZATU481 |  |  |  |   |   |       |
| 2× III: 2p  | o0981129  |                 |   |   |  |   |   |       |
| SILA <sub>3</sub> ~a×1(N58) <br>1× IV: 1u               | o0981130  | UNP<br>ZATU481  |  |  |  |   |   |       |
| F2471   |   |                 |   |   |  |   |   |       |
| SILA <sub>3</sub> ~b<br>129EB                           |  | PC25<br>ZATU456 |  |  |   |   |  |       |
| 5× III: 5p  | o0981131  |                 |   |   |  |   |   |       |
| SILA <sub>3</sub> ~b×DUG~a <br>o0981132                 |   | EDI             |  |  |  |   |   |       |
| F250F   |   |                 |   |   |  |   |   |       |
| SILA <sub>3</sub> ~b×GUG <sub>2</sub>  <br>129EC        |  | PC25            |  |  |  |   |   |       |
| 1× III: 1p  | o0981133  |                 |   |   |  |   |   |       |






























































| PCSL                                   |   | FONT  | CDLI  | ATU3  | ATU5   | MSVO1   | MSVO4   | CUSAS |
|--|---|---|---|---|--|---|---|-------|
| SILA <sub>3</sub> ~b~NAGA~b <br>129ED  |    | PC25<br>   |    |   |    |   |   |       |
| 1× IV: 1p                              | <a href="#">o0981134</a>  | ZATU471   |   |   |  |   |   |       |
| SILA <sub>3</sub> ~b~NI~a <br>129EE    |    | PC25<br>   |    |   |  |   |   |       |
| 1× III: 1p                             | <a href="#">o0981135</a>  | ZATU460   |   |   |  |   |   |       |
| SILA <sub>3</sub> ~b~NI~b <br>129EF    |    | PC25<br>   |    |    |  |   |   |       |
| 1× III: 1p                             | <a href="#">o0981136</a>  | ZATU460   |   |   |  |   |   |       |
| SILA <sub>3</sub> ~c                   |   | UNP<br>    |    |   |  |   |   |       |
| 1× III: 1u                             | <a href="#">o0981137</a>  | ZATU456   |   |   |  |   |   |       |
| SILA <sub>3</sub> ~c~ŠU                |   | UNP<br>    |    |   |  |   |   |       |
| 1× IV: 1u                              | <a href="#">o0981138</a>  | ZATU476   |   |   |  |   |   |       |
| SILA <sub>3</sub> ~c~ZATU687 <br>129F0 |    | PC25<br>   |    |    |  |   |   |       |
| 1× III: 1p                             | <a href="#">o0981139</a>  | ZATU480   |   |   |  |   |   |       |
| SILA <sub>3</sub> ~d~NI~a              |   | UNP<br>    |    |   |  |   |   |       |
| 2× III: 2u                             | <a href="#">o0981140</a>  | ZATU460   |   |   |  |   |   |       |
| SILA <sub>4</sub> ~a<br>129F1          |    | PC25<br>   |    |    |  |   |   |       |
| 17× III: 10p/7u                        | <a href="#">o0981141</a>  | ZATU482   |   |   |  |   |   |       |
| SILA <sub>4</sub> ~b<br>129F2          |  | PC25<br> |  |  |  |   |   |       |
| 31× IV: 6p/1u;<br>III: 15p/8u          | <a href="#">o0981142</a>  | ZATU482   |   |   |  |   |   |       |
| SILA <sub>4</sub> ~c<br>129F3          |  | PC25<br> |  |   |  |   |   |       |
| 83× IV: 7p/1u;<br>III: 39p/35u         | <a href="#">o0981143</a>  | ZATU482   |  |   |  |   |   |       |
| SILA <sub>4</sub> ~d<br>129F4          |  | PC25<br> |  |  |  |   |   |       |
| 1× III: 1p                             | <a href="#">o0981144</a>  | ZATU482   |   |   |  |   |   |       |
| SILANITA<br>129F5                      |  | PC25<br> |  |   |  |   |   |       |
| AKA: SILANITA~a<br>26× III: 20p/6u     | <a href="#">o0981145</a>  | ZATU483   |   |   |  |   |   |       |
| SIMUG<br>129F6                         |  | PC25<br> |  |  |  |  |   |       |
| 13× IV: 1p; III: 9p/3u                 | <a href="#">o0981146</a>  | ZATU484   |  |   |  |   |   |       |
| SU~a<br>129F7                          |  | PC25<br> |  |  |  |  |  |       |
| 278×<br>IV: 17p/5u;<br>III: 154p/97u   | <a href="#">o0981148</a>  | ZATU485   |  |   |  |   |   |       |
| SU~a.KUR~a.RU <br>CDLI: ŠURUPPAK~c     | <a href="#">o0981275</a>  | EDI<br>  |  |   |  |   |   |       |

| PCSL   |   | FONT    | CDLI   | ATU3  | ATU5  | MSVO1  | MSVO4   | CUSAS   |
|--|---|---------|--|---|---|--|---|---|
| <b> SU~a×1(N58)</b><br>129F8                               |    | PC25    |   |    |    |  |   |   |
| 2× III: 2p   | <a href="#">o0981149</a>  | ZATU486 |   |    |   |  |   |   |
| <b>SU~b</b><br>129F9                                       |    | PC25    |   |   |   |  |   |   |
| 3× IV: 3p  | <a href="#">o0981150</a>  | ZATU485 |   |   |   |  |   |   |
| <b>SU~c</b><br>129FA                                       |    | PC25    |   |   |   |  |   |    |
| 1× III: 1p   | <a href="#">o0981151</a>  | ZATU485 |   |   |   |  |   |    |
| <b>SU<sub>3</sub></b><br>129FB                             |    | PC25    |   |    |    |  |   |   |
| 6× III: 5p/1u  | <a href="#">o0981152</a>  | ZATU487 |   |    |    |  |   |   |
| <b>SUG</b><br>129FC  |    | PC25    |   |    |    |  |   |   |
| 11× IV: 1p; III: 5p/3u                                     | <a href="#">o0981153</a>  | ZATU488 |   |    |    |  |   |   |
| <b>SUG<sub>5</sub></b><br>129FD                            |    | PC25    |   |    |    |    |    |    |
| AKA: SUG <sub>5</sub> ~a<br>89× IV: 1p/1u;<br>III: 63p/22u | <a href="#">o0981154</a>  | ZATU489 |   |    |    |    |    |    |
| <b>SUH<sub>3</sub></b><br>129FE                            |    | PC25    |   |    |    |  |   |   |
| 4× III: 3p/1u  | <a href="#">o0981155</a>  | ZATU490 |   |    |    |  |   |   |
| <b>SUHUR</b><br>129FF                                      |  | PC25    |   |   |  |  |  |  |
| AKA: SUHUR~a<br>310× IV: 37p/11u;<br>III: 205p/52u         | <a href="#">o0981156</a>  | ZATU491 | <br><br><br> |  |  |  |  |  |
| <b>SUHUR@g</b><br>12A00                                    |  | PC25    |   |  |  |  |   |   |
| 4× III: 3p/1u  | <a href="#">o0981157</a>  |         |   |  |  |  |   |   |
| <b>SUHUR@n</b><br>12A01                                    |  | PC25    |   |  |   |  |   |   |
| CDLI:  SUHUR@n <br>5× III: 1p/4u                           | <a href="#">o0981158</a>  |         |   |  |   |  |   |   |
| <b>SUHUR@t</b><br>12A02                                    |  | PC25    |   |   |   |  |   |  |
| 6× III: 6p   | <a href="#">o0981159</a>  |         |   |   |   |  |   |  |
| <b>SUKKAL</b><br>12A03                                     |  | PC25    |   |  |  |  |  |  |
| 155× IV: 17p/7u;<br>III: 94p/34u                           | <a href="#">o0981160</a>  | ZATU492 | <br>   |  |  |  |  |  |
| <b>SUKUD</b><br>12A04                                      |  | PC25    |   |  |  |  |   |  |
| 14× IV: 6p; III: 6p/2u                                     | <a href="#">o0981161</a>  | ZATU493 |   |  |  |  |   |  |

























































| PCSL  | FONT   | CDLI   | ATU3   | ATU5  | MSVO1  | MSVO4  | CUSAS |
|---|--|--|--|---|--|--|-------|
| (SUKUD+SUKUD)-a <br>12A05<br> PC25<br>5× IV: 1u; III: 4p <b>o0981162</b> ZATU494           | <br>12A05   | <br>12A05   | <br>12A05     |   |  |  |       |
| (SUKUD+SUKUD)-b <br>12A06<br> PC25<br>13× IV: 1p;<br>III: 11p/1u <b>o0981163</b> ZATU494   | <br>12A06   | <br>12A06   | <br>12A06     |   | <br>12A06   | <br>12A06   |       |
| (SUKUD+SUKUD)-c <br><b>o0981164</b> EDI   | <br>F2510   |   |  (o)<br>F2510 |   |  |  |       |
| (SUKUD+SUKUD)-d <br>3× III: 3u <b>o0981165</b> ZATU494 UNP  | <br>F2475   |   |  |   |  |  |       |
| SUKUD@g~a<br>12A07<br> PC25<br>1× IV: 1p <b>o0981166</b> ZATU495                           | <br>12A07<br> F217E  |   |  | <br>F217E   |  |  |       |
| SUKUD@g~b<br>12A08<br> PC25<br>2× IV: 1p; III: 1p <b>o0981167</b> ZATU495                  | <br>12A08<br> F217F  |   |  | <br>F217F    | <br>12A08    |  |       |
| SUKUD@g~c<br>12A09<br> PC25<br>2× IV: 1p; III: 1u <b>o0981168</b> ZATU495                  | <br>12A09   |   |  |   | <br>12A09    |  |       |
| SUKUD@g~d<br>12A0A<br> PC25<br>CDLI:  SUKUD@g~d <br>3× III: 1p/2u <b>o0981169</b> ZATU495 | <br>12A0A  |    |  |   |  |  |       |
| SUKUD@h<br>1× III: 1u <b>o0981170</b> UNP   | <br>F251C   |   |  |   |  |  |       |
| SUM~a<br>12A0B<br> PC25<br>29× IV: 1p;<br>III: 21p/5u <b>o0981171</b> ZATU496            | <br>F2180<br> 12A0B<br> F2181 | <br>F2180<br><br>F2181 |  | <br>F2181  |  | <br>F2181 |       |
| SUM~a@t<br>CDLI:  SUM~a@t <br>1× III: 1u <b>o0981172</b> UNP  | <br>F2476   |   |  |   |  |  |       |
| SUM~b<br>12A0C<br> PC25<br>19× IV: 4p;<br>III: 11p/4u <b>o0981173</b> ZATU496            | <br>12A0C   |   |  | <br>12A0C  |  | <br>12A0C |       |
| SUMAŠ<br>12A0D<br> PC25<br>2× IV: 1p; III: 1p <b>o0981174</b> ZATU497                    | <br>12A0D   |   | <br>12A0D   | <br>12A0D |  |  |       |
| SUR<br>12A0E<br> PC25<br>9× IV: 1p; III: 6p/2u <b>o0981175</b> ZATU498                   | <br>12A0E   |   | <br>12A0E   |   | <br>12A0E |  |       |
























































| PCSL  |                          | FONT    | CDLI                                   | ATU3 | ATU5           | MSVO1          | MSVO4 | CUSAS |
|---|--------------------------|---------|--|------|----------------|----------------|-------|-------|
| ŠA<br>12A0F   |                          | PC25    |  |      |                |                |       |       |
| 139×<br>IV: 6p/2u;<br>III: 97p/33u                        | <a href="#">o0981177</a> | ZATU500 | 1<br>F2182<br>2<br>F2183<br>3<br>F2184 |      | 12A0F<br>F2183 | 12A0F          | 12A0F |       |
| (ŠA×HI@g~a)-a <br>12A10                                   |                          | PC25    |  |      |                |                |       |       |
| 15× IV: 1p; III: 6p/8u                                    | <a href="#">o0981178</a> | ZATU501 | 12A10                                  |      | 12A10          | 12A10          | 12A10 |       |
| (ŠA×HI@g~a)-b <br>12A11                                   |                          | PC25    |  |      |                |                |       |       |
| 4× IV: 1p   | <a href="#">o0981179</a> | ZATU501 | 12A11                                  |      | 12A11 (b)      |                |       |       |
| ŠA@g<br>12A12   |                          | PC25    |  |      |                |                |       |       |
| 20× IV: 1p;<br>III: 14p/5u                                | <a href="#">o0981180</a> | ZATU502 | 12A12                                  |      | 12A12          | 12A12          |       |       |
| ŠA <sub>3</sub> ~a1<br>12A13                              |                          | PC25    |  |      |                |                |       |       |
| 112×<br>IV: 2p;<br>III: 58p/49u                           | <a href="#">o0981181</a> | ZATU503 | 12A13<br>1<br>F2185                    |      | F2185          | 12A13<br>F2185 | 12A13 |       |
| ŠA <sub>3</sub> ~a2<br>12A14                              |                          | PC25    |  |      |                |                |       |       |
| AKA: ŠA <sub>3</sub> ~b1<br>32× IV: 1p/1u;<br>III: 19p/5u | <a href="#">o0981182</a> | ZATU503 | 12A14<br>1<br>F2186                    |      | F2186          | F2186          | 12A14 |       |
| ŠA <sub>3</sub> ~a2@g<br>12A15                            |                          | PC25    |  |      |                |                |       |       |
| 1× III: 1p  | <a href="#">o0981183</a> |         | 12A15                                  |      |                |                |       | 12A15 |
| ŠA <sub>3</sub> ~b<br>12A16                               |                          | PC25    |  |      |                |                |       |       |
| 3× IV: 2p; III: 1p  | <a href="#">o0981184</a> | ZATU503 | 12A16                                  |      | 12A16 (b1)     |                |       |       |
| ŠA <sub>3</sub> ~c<br>12A17                               |                          | PC25    |  |      |                |                |       |       |
| 9× IV: 6p/1u  | <a href="#">o0981185</a> | ZATU503 | 12A17                                  |      | 12A17          |                |       |       |
| ŠA <sub>3</sub> ~d<br>12A18                               |                          | PC25    |  |      |                |                |       |       |
| 1× IV: 1p   | <a href="#">o0981186</a> | ZATU503 | 12A18                                  |      |                |                |       |       |
| ŠAGAN<br>12A19  |                          | PC25    |  |      |                |                |       |       |
| 73× IV: 5p/1u;<br>III: 54p/10u                            | <a href="#">o0981189</a> | ZATU506 | 1<br>F218C<br>12A19                    |      | 12A19          | F218C          | 12A19 | 12A19 |
| ŠAGINA<br>12A1A   |                          | PC25    |  |      |                |                |       |       |
| 1× IV: 1p   | <a href="#">o0981190</a> | ZATU507 | 12A1A                                  |      | 12A1A          |                |       |       |


































| PCSL  | FONT  | CDLI   | ATU3   | ATU5   | MSVO1   | MSVO4  | CUSAS  |
|---|---|--|--|--|---|--|--|
| <b>ŠAH<sub>2</sub>-a</b><br>12A1B<br>27× IV: 4p;<br>III: 19p/3u<br>o0981191 ZATU508   | <br>PC25   | <br>12A1B   | <br>12A1B | <br>12A1B       | <br>12A1B   | <br>12A1B   |  |
| <b>ŠAH<sub>2</sub>-b</b><br>12A1C<br>1× III: 1p<br>o0981192 ZATU508   | <br>PC25   | <br>12A1C   |           |  |   |  |  |
| <b>ŠAH<sub>2</sub>-c</b><br>12A1D<br>1× IV: 1p<br>o0981193 ZATU508  | <br>PC25   | <br>12A1D   |           | <br>12A1D       |   |  |  |
| <b>ŠAKIR~a</b><br>12A1E<br>3× III: 3p<br>o0981194 ZATU509   | <br>PC25   | <br>12A1E   |           | <br>12A1E       |   | <br>12A1E   |  |
| <b>ŠAKIR~b</b><br>12A1F<br>8× III: 7p/1u<br>o0981195 ZATU509  | <br>PC25   | <br>12A1F   |           | <br>12A1F       |   |  |  |
| <b>ŠAKIR~c</b><br>12A20<br>47× III: 32p/15u<br>o0981196 ZATU509   | <br>PC25   | <br>12A20<br><br>1 F218D     |           | <br>F218D       |   | <br>12A20   |  |
| <b>ŠAM<sub>2</sub></b><br>12A21<br>66× IV: 3p/2u;<br>III: 52p/8u<br>o0981197 ZATU510  | <br>PC25  | <br>12A21<br><br>1 F218E  |          | <br>F218E      | <br>12A21  | <br>F218E  | <br>12A21  |
| <b>ŠE~a</b><br>12A22<br>1204×<br>IV: 87p/6u;<br>III: 839p/232u<br>o0981200 ZATU511  | <br>PC25 | <br>12A22   |         | <br>12A22     | <br>12A22 | <br>12A22 | <br>12A22   |
| <b> ŠE~a.GAR </b><br>2× III: 2p<br>o0981201   | PC25-sq   | <br>F2227<br><br>1 F2228 |  |  |   |  | <br>F2227<br><br>F2228 |
| <b> ŠE~a.GUG<sub>2</sub> </b><br>AKA: ŠELU<br>CDLI: ŠELU<br>32× IV: 25p;<br>III: 6p/1u<br>o0981211 ZATU520                                      | PC25-sq   | <br>F2263   |         | <br>F2263 (o) |   |  |  |
| <b> ŠE~a.KIN<sub>2</sub>~c </b><br>5× III: 5p<br>o0981202 ZATU512   | PC25-sq   | <br>F218F<br><br>1 F2190 |         | <br>F2190     |   |  |  |
| <b> ŠE~a.NAM<sub>2</sub> </b><br>AKA:  ŠE~a×NAM <sub>2</sub>    ŠE~a×NAM <sub>2</sub>  <br>109×<br>IV: 10p;<br>III: 56p/39u<br>o0981203 ZATU513 | PC25-sq   | <br>F2191<br><br>1 F2192 |         | <br>F2192     | <br>F2191 | <br>F2192 | <br>F2191   |

| PCSL                              |          | FONT    | CDLI                        | ATU3  | ATU5           | MSVO1          | MSVO4 | CUSAS |
|-----------------------------------|----------|---------|-----------------------------|-------|----------------|----------------|-------|-------|
| ŠE~a&ŠE~a]<br>12A23               |          | PC25    |                             |       |                |                |       |       |
| 29× IV: 1p;<br>III: 24p/4u        | o0981204 | ZATU515 | 12A23                       | 12A23 | 12A23          | 12A23          | 12A23 |       |
| ŠE~a@t<br>12A24                   |          | PC25    |                             |       |                |                |       |       |
| 14× IV: 2p; III: 7p/5u            | o0981205 |         | 12A24<br>1 F2193            |       | 12A24          | 12A24          |       |       |
| ŠE~b<br>12A25                     |          | PC25    |                             |       |                |                |       |       |
| 6× IV: 1p; III: 4p                | o0981206 | ZATU511 | 12A25                       |       | 12A25          | 12A25          |       |       |
| ŠE~c<br>12A26                     |          | PC25    |                             |       |                |                |       |       |
| 2× IV: 1p/1u                      | o0981207 | ZATU511 | 12A26                       |       |                |                |       |       |
| ŠE <sub>3</sub><br>12A27          |          | PC25    |                             |       |                |                |       |       |
| 175× IV: 13p/10u;<br>III: 98p/48u | o0981208 | ZATU516 | 1 F2194<br>12A27            |       | F2194<br>12A27 | F2194<br>12A27 | 12A27 | F2194 |
| ŠE <sub>3</sub> @t<br>12A28       |          | PC25    |                             |       |                |                |       |       |
| 11× IV: 1p/1u;<br>III: 7p/2u      | o0981209 | ZATU518 | 1 F2195<br>12A28<br>2 F2196 |       | F2195          | F2196          |       |       |
| ŠEG <sub>9</sub><br>12A29         |          | PC25    |                             |       |                |                |       |       |
| 31× IV: 8p;<br>III: 20p/3u        | o0981210 | ZATU519 | 12A29<br>1 F2197            |       | F2197          | 12A29          |       |       |
| ŠEN~a<br>12A2A                    |          | PC25    |                             |       |                |                |       |       |
| 19× IV: 1u;<br>III: 14p/4u        | o0981212 | ZATU521 | 1 F2198<br>12A2A            |       | F2198          | F2198          | F2198 | F2198 |
| ŠEN~b<br>12A2B                    |          | PC25    |                             |       |                |                |       |       |
| 52× IV: 1p;<br>III: 42p/2u        | o0981213 | ZATU521 | 12A2B<br>1 F2199            |       | 12A2B          |                |       |       |
| ŠEN~c<br>12A2C                    |          | PC25    |                             |       |                |                |       |       |
| 2× III: 1p                        | o0981214 | ZATU521 | 12A2C<br>1 F219A            |       | F219A          |                |       |       |
| ŠEN~c@t<br>12A2D                  |          | PC25    |                             |       |                |                |       |       |
| 28× III: 28p                      | o0981215 |         | 12A2D                       |       |                |                |       |       |

| PCSL  |  | FONT   | CDLI  | ATU3   | ATU5   | MSVO1  | MSVO4  | CUSAS |
|---|--|--|---|--|--|--|--|-------|
| ŠEN~d   | DEL  | <br>1 F219B<br><br>2 F219C<br><br>3 F219D     | <br><br>       |  |  |  |  |       |
| ŠEN~e<br>12A2E                                  |  PC25   | <br>1 F219B<br><br>2 F219C<br><br>3 F219D     |    |  |  |  |             |       |
| 6× III: 4p                                      | <a href="#">o0981216</a> ZATU521   |  |   |  |  |  |  |       |
| ŠEN~e×A <br>12A2F                               |  PC25   | <br>12A2F   |    |  |  |  |  |       |
| AKA:  ŠEN~d×A <br>CDLI:  ŠEN~d×A <br>1× III: 1p | <a href="#">o0981217</a>   |  |   |  |  |  |  |       |
| ŠENNUR~a<br>12A30                               |  PC25   | <br>12A30   |    | <br>12A30   |  |  |  |       |
| 10× III: 9p/1u                                  | <a href="#">o0981219</a> ZATU522   |  |   |  |  |  |  |       |
| ŠENNUR~b<br>12A31                               |  PC25  | <br>12A31   |   |  |  |  |  |       |
| 2× III: 1p/1u                                   | <a href="#">o0981220</a> ZATU522   |  |   |  |  |  |  |       |
| ŠEŠ~a<br>12A32                                  |  PC25 | <br>12A32<br><br>1 F219E   | <br>  |  | <br>12A32<br><br>F219E |  | <br>F219E |       |
| 25× IV: 11p/3u;<br>III: 7p/4u                   | <a href="#">o0981221</a> ZATU523   |  |   |  |  |  |  |       |
| ŠEŠ~a.NA~a                                      | PC25-sq  | <br>F2264   |    |  |  |  |  |       |
| AKA: NANNA~b<br>CDLI: NANNA~b<br>2× III: 2p     | <a href="#">o0980904</a> ZATU388   |  |   |  |  |  |  |       |
| ŠEŠ~b<br>12A33                                  |  PC25 | <br>12A33   |    |  | <br>12A33  |  |  |       |
| 1× IV: 1p                                       | <a href="#">o0981222</a> ZATU523   |  |   |  |  |  |  |       |
| ŠIDIM<br>12A34                                  |  PC25 | <br>12A34   |    | <br>12A34 |  | <br>12A34 | <br>12A34 |       |
| 36× IV: 6p/3u;<br>III: 22p/5u                   | <a href="#">o0981223</a> ZATU524   |  |   |  |  |  |  |       |
| ŠIDIM@t   | UNP  | <br>F2477   |    |  |  |  |  |       |
| 1× IV: 1u                                       | <a href="#">o0981224</a>   |  |   |  |  |  |  |       |
| ŠIM~a<br>12A35                                  |  PC25 | <br>1 F219F<br><br>12A35<br><br>2 F21A0 | <br><br> | <br>F21A0 | <br>F219F<br><br>12A35 | <br>12A35 | <br>12A35 |       |
| 56× IV: 2p/2u;<br>III: 47p/3u                   | <a href="#">o0981225</a> ZATU525   |  |   |  |  |  |  |       |





























































| PCSL   |                          | FONT          | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|--------------------------|---------------|------|------|------|-------|-------|-------|
| ŠIM~b<br>12A36   |                          | PC25<br>12A36 |      |      |      |       |       |       |
| 3× IV: 1p/1u; III: 1u  | <a href="#">o0981226</a> | ZATU525       |      |      |      |       |       |       |
| ŠIR~a<br>12A37   |                          | PC25<br>12A37 |      |      |      |       |       |       |
| 16× IV: 2p/4u;<br>III: 9p/1u   | <a href="#">o0981227</a> | ZATU526       |      |      |      |       |       |       |
| ŠIR~b<br>12A38   |                          | PC25<br>12A38 |      |      |      |       |       |       |
| 7× IV: 2p; III: 1p/2u  | <a href="#">o0981228</a> | ZATU526       |      |      |      |       |       |       |
| ŠITA~a1<br>12A39   |                          | PC25<br>12A39 |      |      |      |       |       |       |
| AKA: ŠITA~a<br>346×<br>IV: 37p/10u;<br>III: 209p/76u                   | <a href="#">o0981229</a> | ZATU527       |      |      |      |       |       |       |
| ŠITA~a1.MUD <sub>3</sub> ~a  |                          | PC25-sq       |      |      |      |       |       |       |
| AKA: LAHTAN <sub>2</sub><br>CDLI: LAHTAN <sub>2</sub><br>9× III: 7p/2u | <a href="#">o0980773</a> | ZATU324       |      |      |      |       |       |       |
| ŠITA~a1×KAK~a  |                          | PC25<br>12A3A |      |      |      |       |       |       |
| 2× III: 2p   | <a href="#">o0981230</a> | ZATU529       |      |      |      |       |       |       |
| ŠITA~a1×ŠU   |                          | PC25<br>12A3B |      |      |      |       |       |       |
| 2× III: 2p   | <a href="#">o0981231</a> | ZATU528       |      |      |      |       |       |       |
| ŠITA~a1×ŠU <sub>2</sub>  |                          | UNP<br>F2478  |      |      |      |       |       |       |
| 1× III: 1u   | <a href="#">o0981232</a> |               |      |      |      |       |       |       |
| ŠITA~a1×UDU~a  |                          | UNP<br>F2479  |      |      |      |       |       |       |
| 5× III: 5u   | <a href="#">o0981233</a> |               |      |      |      |       |       |       |
| ŠITA~a1×1(N06)   |                          | UNP<br>F247A  |      |      |      |       |       |       |
| 3× III: 3u   | <a href="#">o0981234</a> |               |      |      |      |       |       |       |
| ŠITA~a2<br>12A3C   |                          | PC25<br>12A3C |      |      |      |       |       |       |
| 1× III: 1p   | <a href="#">o0981235</a> | ZATU527       |      |      |      |       |       |       |
| ŠITA~a3<br>12A3D   |                          | PC25<br>12A3D |      |      |      |       |       |       |
| 29× IV: 9p;<br>III: 14p/4u   | <a href="#">o0981236</a> | ZATU527       |      |      |      |       |       |       |
| ŠITA~b1<br>12A3E   |                          | PC25<br>12A3E |      |      |      |       |       |       |
| 26× IV: 4p/4u;<br>III: 12p/2u  | <a href="#">o0981237</a> | ZATU527       |      |      |      |       |       |       |
| ŠITA~b2<br>12A3F   |                          | PC25<br>12A3F |      |      |      |       |       |       |
| 6× IV: 1p; III: 3p/2u  | <a href="#">o0981238</a> | ZATU527       |      |      |      |       |       |       |

| PCSL   | FONT   | CDLI   | ATU3   | ATU5  | MSVO1  | MSVO4  | CUSAS |
|--|--|--|--|---|--|--|-------|
| ŠITA-b2@g×HI@g-a <br>12A40<br><br>AKA:  ŠITA~b1×HI@g~a <br>CDLI:  ŠITA~b1×HI@g~a <br>1× IV: 1p<br>o0981239 | <br>PC25<br><br><br>12A40  | <br>12A40   |  | <br>(b1)<br>12A40 |  |  |       |
| ŠITA-b3<br>12A41<br><br>6× IV: 3p; III: 3p<br>o0981240   | <br>PC25<br>ZATU527<br><br><br>12A41   | <br>12A41   | <br>12A41   | <br>12A41        |  |  |       |
| ŠITA-b3×NAM₂ <br>12A42<br><br>1× IV: 1p<br>o0981241  | <br>PC25<br><br><br>12A42  | <br>12A42   |  |   |  |  |       |
| ŠITA-c<br><br>o0981242   | EDI<br><br><br>F24EB  | <br>F24EB   |  |   |  |  |       |
| ŠITA@g-a<br>12A43<br><br>24× IV: 4p/1u;<br>III: 14p/4u<br>o0981243   | <br>PC25<br>ZATU530<br><br><br>12A43<br><br><br>1 F21A4 | <br>12A43<br><br><br>F21A4 |  | <br>F21A4         | <br>F21A4   |  |       |
| ŠITA@g-a×1(N04) <br>1× III: 1u<br>o0981244   | UNP<br>ZATU531<br><br><br>F247B   | <br>F247B   |  |   |  |  |       |
| ŠITA@g-a×1(N06) <br>12A44<br><br>4× III: 3p/1u<br>o0981245   | <br>PC25<br><br><br>12A44  | <br>12A44   |  |   | <br>12A44   |  |       |
| ŠITA@g-b<br>12A45<br><br>4× III: 3p/1u<br>o0981246   | <br>PC25<br>ZATU530<br><br><br>12A45   | <br>12A45   |  |   |  |  |       |
| ŠU<br>12A46<br><br>610×<br>IV: 45p/8u;<br>III: 365p/169u<br>o0981247                                       | <br>PC25<br>ZATU532<br><br><br>12A46   | <br>12A46   | <br>12A46 | <br>12A46       | <br>12A46 | <br>12A46 |       |
| ŠU×1(N58) <br>12A47<br><br>1× III: 1p<br>o0981248  | <br>PC25<br><br><br>12A47  | <br>12A47   |  |   |  |  |       |
| ŠU&ŠU <br>12A48<br><br>22× IV: 1p;<br>III: 15p/2u<br>o0981249  | <br>PC25<br><br><br>12A48  | <br>12A48   |  |   | <br>12A48 | <br>12A48 |       |
| ŠU@g<br>12A49<br><br>4× III: 3p<br>o0981250  | <br>PC25<br>ZATU533<br><br><br>12A49   | <br>12A49   | <br>12A49 | <br>12A49       | <br>12A49 |  |       |
| ŠU@s<br><br>o0981251   | EDI<br><br><br>F24EC  | <br>F24EC   |  |   |  |  |       |

| PCSL   | FONT  | CDLI  | ATU3  | ATU5  | MSVO1   | MSVO4   | CUSAS |
|--|---|---|---|---|---|---|-------|
| $\check{S}U_2$<br>12A4A<br><br>385×<br>IV: 61p/40u;<br>III: 214p/46u<br>o0981252 ZATU534   | <br>PC25<br><br>1<br>F21A8<br><br>12A4A<br><br>2<br>F21A9<br><br>3<br>F21AA<br><br>4<br>F21AB<br><br>5<br>F21AC  |   |   |   |   |   |       |
| $ \check{S}U_2.AN $<br><br>AKA: $ \check{S}U_2+AN $ $ \check{S}U_2 \times AN $<br>4× III: 2u<br>o0981253   | UNP<br><br><br>F2266   |    |   |   |   |   |       |
| $ \check{S}U_2.E_2 \sim a $<br><br>9× III: 8p/1u<br>o0981254 ZATU535   | PC25-sq<br><br><br>F2267   |    |   |   | <br>F2267  |   |       |
| $ \check{S}U_2.E_2 \sim b $<br><br>13× III: 10p/3u<br>o0981255 ZATU535   | PC25-sq<br><br><br>F2268   |    |   |   |   |   |       |
| $ \check{S}U_2.EN \sim a $<br><br>40× IV: 9p/3u;<br>III: 22p/4u<br>o0981256 ZATU536  | PC25-sq<br><br>1<br><br>F21A6<br><br><br>F21A5<br><br>2<br><br>F21A7 | <br><br> | <br>F21A7 | <br>F21A5  | <br>F21A5 | <br>F21A5 |       |
| $ \check{S}U_2.EN \sim b $<br><br>2× IV: 2u<br>o0981257 ZATU536  | UNP<br><br><br>F2269   |    |   |   |   |   |       |
| $ \check{S}U_2.GI\check{S} $<br><br>o0981258   | ZERO<br><br><br>F226A  |    |   |   |   |   |       |
| $ \check{S}U_2.(HI \times 1(N57)) \& (HI \times 1(N57)) $<br><br>AKA: $ \check{S}U_2.((HI+1(N57))+(HI+1(N57))) $<br>CDLI: $ \check{S}U_2.((HI+1(N57))+(HI+1(N57))) $<br>1× III: 1p<br>o0981259 | PC25-sq<br><br><br>F226B   |   |   |   |   |   |       |
| $ \check{S}U_2.PAP \sim a $<br><br>1× III: 1p<br>o0981260  | PC25-sq<br><br><br>12A4A_12985   |   |   |   |   |   |       |
| $ \check{S}U_2.URI_3 \sim a $<br><br>1×<br>o0981261  | PC25-sq<br><br><br>F226D   |    |   | <br>F226D |   |   |       |
| $ \check{S}U_2.1(N02) $<br><br>2× IV: 1u; III: 1u<br>o0981262  | UNP<br><br><br>F226E   |    |   |   |   |   |       |
| $ \check{S}U_2.1(N24) $<br><br>AKA: $ \check{S}U_2 \times 1(N24) $<br>1× III: 1p<br>o0981263   | PC25-sq<br><br><br>F226F   |    |   |   |   |   |       |
| $ \check{S}U_2.2(N57) $<br><br>o0981264  | EDI<br><br><br>F2270   |    |   |   |   |   |       |

| PCSL                                 |          | FONT    | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--------------------------------------|----------|---------|-------|------|------|-------|-------|-------|
| ŠU <sub>2</sub> ×3(N57)              | UNP      |         |       |      |      |       |       |       |
| AKA:  ŠU <sub>2</sub> ×3(N57)        |          | F251D   |       |      |      |       |       |       |
| 1×                                   | o0981265 |         |       |      |      |       |       |       |
| ŠU <sub>12</sub><br>12A4B            | PC25     |         |       |      |      |       |       |       |
| 1× III: 1p                           | o0981266 | ZATU538 |       |      |      |       |       |       |
| ŠUBUR<br>12A4C                       | PC25     |         |       |      |      |       |       |       |
| 345×<br>IV: 35p/7u;<br>III: 200p/98u | o0981267 | ZATU539 |       |      |      |       |       |       |
|                                      |          | F21AD   |       |      |      |       |       |       |
| ŠUM<br>12A4D                         | PC25     |         |       |      |      |       |       |       |
| 35× IV: 14p;<br>III: 17p/4u          | o0981268 | ZATU541 |       |      |      |       |       |       |
| ŠUR <sub>2</sub> ×1(N58) <br>12A4E   | PC25     |         |       |      |      |       |       |       |
| 4× III: 4p                           | o0981269 |         |       |      |      |       |       | 12A4E |
| ŠUR <sub>2</sub> ~a<br>12A4F         | PC25     |         |       |      |      |       |       |       |
| 14× III: 8p/6u                       | o0981270 | ZATU543 |       |      |      |       |       |       |
| ŠUR <sub>2</sub> ~b<br>12A50         | PC25     |         |       |      |      |       |       |       |
| 13× III: 7p/6u                       | o0981271 | ZATU543 |       |      |      |       |       |       |
| ŠUR <sub>2</sub> ~c                  | UNP      |         |       |      |      |       |       |       |
| 2×                                   | o0981272 | ZATU543 | F2534 |      |      |       |       |       |
| TA~a<br>12A51                        | PC25     |         |       |      |      |       |       |       |
| 5× IV: 1u; III: 4p                   | o0981276 | ZATU545 |       |      |      |       |       |       |
|                                      |          |         | 12A51 |      |      |       |       |       |
| TA~b<br>12A52                        | PC25     |         |       |      |      |       |       |       |
| 1× III: 1p                           | o0981277 | ZATU545 |       |      |      |       |       |       |
|                                      |          |         | 12A52 |      |      |       |       |       |
| TA~c<br>12A53                        | PC25     |         |       |      |      |       |       |       |
| 23× IV: 2p/2u;<br>III: 15p/3u        | o0981278 | ZATU545 |       |      |      |       |       |       |
|                                      |          |         | 12A53 |      |      |       |       |       |
| TA~d<br>12A54                        | PC25     |         |       |      |      |       |       |       |
| 2× III: 1p/1u                        | o0981279 | ZATU545 |       |      |      |       |       |       |
|                                      |          |         | 12A54 |      |      |       |       |       |
| TA~d×MAŠ                             | UNP      |         |       |      |      |       |       |       |
| 1× III: 1u                           | o0981280 |         | F247C |      |      |       |       |       |
| TA~e<br>12A55                        | PC25     |         |       |      |      |       |       |       |
| 1× III: 1p                           | o0981281 | ZATU545 |       |      |      |       |       |       |
|                                      |          |         | 12A55 |      |      |       |       |       |
| TA~f                                 | EDI      |         |       |      |      |       |       |       |
|                                      | o0981282 |         | F24ED |      |      |       |       |       |



| PCSL   |   | FONT    | CDLI  | ATU3  | ATU5  | MSVO1  | MSVO4   | CUSAS   |
|--|---|---------|---|---|---|--|---|---|
| <b>TAG~a1</b><br>12A56                         |    | PC25    |    |    |    |  |    |   |
| 25× IV: 16p;<br>III: 7p/2u                     | <a href="#">o0981283</a>  | ZATU547 | 12A56   | 12A56   | 12A56   |  | 12A56   |   |
| <b>TAG~a1@t</b><br>12A57                       |    | PC25    |    |    |   |  |   |   |
| 1× IV: 1p                                      | <a href="#">o0981284</a>  |         | 12A57   |   |   |  |   |   |
| <b>TAG~a2</b><br>12A58                         |    | PC25    |    |    |    |    |   |   |
| 9× III: 7p/2u                                  | <a href="#">o0981285</a>  | ZATU547 | 12A58   | 12A58   | 12A58   | 12A58 (a1)   |   |   |
| <b>TAG~a3</b><br>12A59                         |    | PC25    |    |    |   |  |   |   |
| 2× III: 1p                                     | <a href="#">o0981286</a>  | ZATU547 | 12A59   |   |   |  |   |   |
| <b>TAG~a4</b><br>12A5A                         |    | PC25    |    |    |    |  |   |   |
| 2× IV: 1p; III: 1p                             | <a href="#">o0981287</a>  | ZATU547 | 12A5A   |   | 12A5A   |  |   |   |
| <b>TAG~b</b><br>12A5B                          |    | PC25    |    |    |    |    |   |   |
| 14× IV: 2p/1u;<br>III: 11p                     | <a href="#">o0981288</a>  | ZATU547 | 12A5B<br>F21B2  |   | F21B2   | F21B2  |   |   |
| <b>TAG~c</b><br>12A5C                          |    | PC25    |    |    |   |  |   |   |
| 1× III: 1p                                     | <a href="#">o0981289</a>  | ZATU547 | 12A5C   |   |   |  |   |   |
| <b>TAG~d</b><br>12A5D                          |   | PC25    |   |   |   |  |   |   |
| 3× III: 2p/1u                                  | <a href="#">o0981290</a>  | ZATU547 | 12A5D   |   |   | 12A5D  |   |   |
| <b>TAK<sub>4</sub>~a</b><br>12A5E              |  | PC25    |  |  |  |  |  |  |
| 188× IV: 6p/3u;<br>III: 118p/58u               | <a href="#">o0981291</a>  | ZATU548 | 12A5E<br>F21B3  |   | 12A5E   |  | 12A5E   | 12A5E   |
| <b>TAK<sub>4</sub>~a@n</b><br>12A5F            |  | PC25    |  |  |   |  |  |   |
| 1× III: 1p                                     | <a href="#">o0981292</a>  |         | 12A5F   |   |   |  | 12A5F   |   |
| <b>TAK<sub>4</sub>~c</b><br>12A60              |  | PC25    |  |  |   |  |   |   |
| 3× III: 2p/1u                                  | <a href="#">o0981293</a>  | ZATU548 | 12A60   |   |   |  |   |   |
| <b>TAR~a</b><br>12A61                          |  | PC25    |  |  |  |  |  |  |
| 100× IV: 5p;<br>III: 79p/16u                   | <a href="#">o0981294</a>  | ZATU549 | 12A61   |   | 12A61   |  | 12A61   | 12A61   |
| <b>TAR~d</b>                                   |   | EDI     |  |  |   |  |   |   |
|  | <a href="#">o0981295</a>  |         | F24EE   |   |   |  |   |   |
| <b>TE</b><br>12A62                             |  | PC25    |  |  |  |  |  |  |
| AKA: TE~a<br>350× IV: 58p/5u;<br>III: 187p/86u | <a href="#">o0981296</a>  | ZATU550 | 12A62   |   | 12A62   | 12A62  | 12A62   | 12A62   |

























































| PCSL  | FONT        | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|-------------|------|------|------|-------|-------|-------|
| <b> TE.A </b><br>AKA: KAR<br>CDLI: KAR<br>7× IV: 2u; III: 4p/1u<br>o0980650<br>ZATU283  | PC25-sq<br> |      |      |      |       |       |       |
| <b>TI</b><br>12A63<br>AKA: TI~a<br>103×<br>IV: 8p/8u;<br>III: 48p/34u<br>o0981297<br>ZATU551  | PC25<br>    |      |      |      |       |       |       |
| <b>TI@g</b><br>12A64<br>1× III: 1p<br>o0981298  | PC25<br>    |      |      |      |       |       |       |
| <b>TI@r</b><br>12A65<br>2× III: 2p<br>o0981299  | PC25<br>    |      |      |      |       |       |       |
| <b>TI@t</b><br>12A66<br>17× IV: 1p;<br>III: 12p/4u<br>o0981300  | PC25<br>    |      |      |      |       |       |       |
| <b>TILLA<sub>2</sub></b><br>12A67<br>6× IV: 1p; III: 4p/1u<br>o0981302<br>ZATU553   | PC25<br>    |      |      |      |       |       |       |
| <b>TU~a</b><br>12A68<br>27× IV: 3p;<br>III: 13p/7u<br>o0981303<br>ZATU554   | PC25<br>    |      |      |      |       |       |       |
| <b>TU~b</b><br>12A69<br>29× IV: 1u;<br>III: 26p/2u<br>o0981304<br>ZATU554   | PC25<br>    |      |      |      |       |       |       |
| <b>TU~c</b><br>12A6A<br>1× IV: 1p<br>o0981305<br>ZATU554  | PC25<br>    |      |      |      |       |       |       |
| <b>TUG<sub>2</sub>~a</b><br>12A6B<br>365×<br>IV: 30p/26u;<br>III: 171p/124u<br>o0981306<br>ZATU555  | PC25<br>    |      |      |      |       |       |       |
| <b> TUG<sub>2</sub>~a.BAD&amp;BAD </b><br>CDLI:  TUG <sub>2</sub> ~a.(BAD&BAD) <br>35× IV: 1p/2u;<br>III: 21p/10u<br>o0981307<br>ZATU556<br>ZATU558 | PC25-sq<br> |      |      |      |       |       |       |
| <b>TUG<sub>2</sub>~a@g</b><br>12A6C<br>19× IV: 2u; III: 17p<br>o0981308<br>ZATU557  | PC25<br>    |      |      |      |       |       |       |
| <b>TUG<sub>2</sub>~b</b><br>12A6D<br>2× IV: 1p; III: 1p<br>o0981309<br>ZATU555  | PC25<br>    |      |      |      |       |       |       |

| PCSL                               |                          | FONT          | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|------------------------------------|--------------------------|---------------|------|------|------|-------|-------|-------|
| TUG <sub>2</sub> -c<br>12A6E       |                          | PC25<br>12A6E |      |      |      |       |       |       |
| 1×                                 | <a href="#">o0981310</a> | ZATU555       |      |      |      |       |       |       |
| TUG <sub>2</sub> -d                |                          | UNP<br>F247D  |      |      |      |       |       |       |
| 1× IV: 1u                          | <a href="#">o0981311</a> | ZATU555       |      |      |      |       |       |       |
| TUM-a<br>12A6F                     |                          | PC25<br>12A6F |      |      |      |       |       |       |
| 34× IV: 9p/2u;<br>III: 13p/10u     | <a href="#">o0981312</a> | ZATU560       |      |      |      |       |       |       |
| TUM-a@g<br>12A70                   |                          | PC25<br>12A70 |      |      |      |       |       |       |
| 2× IV: 1p; III: 1u                 | <a href="#">o0981313</a> |               |      |      |      |       |       |       |
| TUM-b<br>12A71                     |                          | PC25<br>12A71 |      |      |      |       |       |       |
| 6× III: 2p/2u                      | <a href="#">o0981314</a> | ZATU560       |      |      |      |       |       |       |
| TUM-c<br>12A72                     |                          | PC25<br>12A72 |      |      |      |       |       |       |
| 13× IV: 1p; III: 12p               | <a href="#">o0981315</a> | ZATU560       |      |      |      |       |       |       |
| TUM-d<br>12A73                     |                          | PC25<br>12A73 |      |      |      |       |       |       |
| 3× IV: 1p; III: 2p                 | <a href="#">o0981316</a> | ZATU560       |      |      |      |       |       |       |
| TUN <sub>3</sub> -a<br>12A74       |                          | PC25<br>12A74 |      |      |      |       |       |       |
| 108× IV: 35p/2u;<br>III: 51p/19u   | <a href="#">o0981317</a> | ZATU561       |      |      |      |       |       |       |
| TUN <sub>3</sub> -b<br>12A75       |                          | PC25<br>12A75 |      |      |      |       |       |       |
| 3× III: 3p                         | <a href="#">o0981318</a> | ZATU561       |      |      |      |       |       |       |
| TUN <sub>3</sub> -c<br>12A76       |                          | PC25<br>12A76 |      |      |      |       |       |       |
| 4× IV: 1p; III: 2p/1u              | <a href="#">o0981319</a> | ZATU561       |      |      |      |       |       |       |
| TUR<br>12A77                       |                          | PC25<br>12A77 |      |      |      |       |       |       |
| 381× IV: 27p/6u;<br>III: 226p/101u | <a href="#">o0981320</a> | ZATU562       |      |      |      |       |       |       |
| [TUR-x]                            |                          | EDI<br>F2511  |      |      |      |       |       |       |
| <a href="#">o0981321</a>           |                          |               |      |      |      |       |       |       |
| TUR@g<br>12A78                     |                          | PC25<br>12A78 |      |      |      |       |       |       |
| 9× IV: 1p; III: 6p/2u              | <a href="#">o0981322</a> | ZATU562       |      |      |      |       |       |       |
| TUR <sub>3</sub> -a<br>12A79       |                          | PC25<br>12A79 |      |      |      |       |       |       |
| 171× IV: 18p/4u;<br>III: 112p/31u  | <a href="#">o0981323</a> | ZATU563       |      |      |      |       |       |       |

| PCSL   | FONT                        | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|-----------------------------|------|------|------|-------|-------|-------|
| <b> TUR<sub>3</sub>~a.5(N57) </b><br>1× III: 1p<br>o0981324  | PC25-sq<br>12A79_12BF0      |      |      |      |       |       |       |
| <b>TUR<sub>3</sub>~a@n</b><br>CDLI:  TUR <sub>3</sub> ~a@n <br>1×<br>o0981325  | UNP<br>F247E                |      |      |      |       |       |       |
| <b>TUR<sub>3</sub>~b</b><br>12A7A<br>9× IV: 1p/2u; III: 6p<br>o0981326   | PC25<br>ZATU563<br>12A7A    |      |      |      |       |       |       |
| <b> TUR<sub>3</sub>~b×TAK<sub>4</sub>~a </b><br>o0981327   | EDI<br>F2512                |      |      |      |       |       |       |
| <b>TUR<sub>3</sub>~c</b><br>12A7B<br>1× IV: 1p<br>o0981328   | PC25<br>ZATU563<br>12A7B    |      |      |      |       |       |       |
| <b>U<sub>2</sub>~a</b><br>12A7C<br>145×<br>IV: 10p/1u;<br>III: 97p/35u<br>o0981329   | PC25<br>ZATU565<br>12A7C    |      |      |      |       |       |       |
| <b>U<sub>2</sub>~b</b><br>12A7D<br>170×<br>IV: 15p/2u;<br>III: 88p/59u<br>o0981330   | PC25<br>ZATU565<br>12A7D    |      |      |      |       |       |       |
| <b>U<sub>2</sub>~c</b><br>12A7E<br>1× IV: 1p<br>o0981331   | PC25<br>ZATU565<br>12A7E    |      |      |      |       |       |       |
| <b>U<sub>4</sub></b><br>12A7F<br>602×<br>IV: 77p/13u;<br>III: 389p/112u<br>o0981332  | PC25<br>ZATU566<br>12A7F    |      |      |      |       |       |       |
| <b> U<sub>4</sub>~AB~b </b><br>AKA: ARARMA <sub>2</sub> ~b<br>CDLI: ARARMA <sub>2</sub> ~b<br>2× IV: 1p; III: 1p<br>o0980070 | PC25-sq<br>ZATU034<br>F2273 |      |      |      |       |       |       |
| <b> U<sub>4</sub>~ŠU<sub>2</sub> </b><br>11× IV: 2p; III: 7p/2u<br>o0981333  | PC25-sq<br>ZATU568<br>F2274 |      |      |      |       |       |       |
| <b> U<sub>4</sub>~1(N08) </b><br>48× III: 32p/16u<br>o0981334  | PC25-sq<br>F2275            |      |      |      |       |       |       |
| <b> U<sub>4</sub>~2(N08) </b><br>12× IV: 1p; III: 11p<br>o0981335  | PC25-sq<br>F2276            |      |      |      |       |       |       |
| <b> U<sub>4</sub>~3(N08) </b><br>10× III: 8p/2u<br>o0981336  | PC25-sq<br>F2277            |      |      |      |       |       |       |
| <b> U<sub>4</sub>~4(N08) </b><br>2× III: 2p<br>o0981337  | PC25-sq<br>F2278            |      |      |      |       |       |       |
| <b> U<sub>4</sub>~5(N08) </b><br>6× III: 5p/1u<br>o0981338   | PC25-sq<br>F2279            |      |      |      |       |       |       |































































| PCSL  | FONT                         | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|------------------------------|------|------|------|-------|-------|-------|
| <b> U<sub>4</sub>.6(N08) </b><br>4× III: 4p<br>o0981339   | PC25-sq<br>F227A             |      |      |      |       |       |       |
| <b> U<sub>4</sub>.7(N08) </b><br>2× III: 1p/1u<br>o0981340  | PC25-sq<br>F227B             |      |      |      |       |       |       |
| <b> U<sub>4</sub>.8(N08) </b><br>1× III: 1p<br>o0981341   | PC25-sq<br>F227C             |      |      |      |       |       |       |
| <b> U<sub>4</sub>.1(N14) </b><br>1× III: 1p<br>o0981342   | PC25-sq<br>F227D             |      |      |      |       |       |       |
| <b> U<sub>4</sub>.1(N14).1(N08) </b><br>AKA:  (U <sub>4</sub> +1(N14)).1(N08) <br>1× III: 1p<br>o0981343        | PC25-sq<br>12A7F_12562_12559 |      |      |      |       |       |       |
| <b> U<sub>4</sub>.1(N14).3(N08) </b><br>CDLI:  U <sub>4</sub> .1(N14).3(N08) <br>2× III: 2p<br>o0981344         | PC25-sq<br>F227E             |      |      |      |       |       |       |
| <b> U<sub>4</sub>.1(N14).4(N08) </b><br>CDLI:  U <sub>4</sub> .1(N14).4(N08) <br>1× III: 1p<br>o0981345         | PC25-sq<br>F227F             |      |      |      |       |       |       |
| <b> U<sub>4</sub>.1(N14).5(N08) </b><br>CDLI:  U <sub>4</sub> .1(N14).5(N08) <br>4× III: 2p/2u<br>o0981346      | PC25-sq<br>F2280             |      |      |      |       |       |       |
| <b> U<sub>4</sub>.1(N14).8(N08) </b><br>CDLI:  U <sub>4</sub> .1(N14).8(N08) <br>1× III: 1p<br>o0981347         | PC25-sq<br>F2281             |      |      |      |       |       |       |
| <b> U<sub>4</sub>.2(N14) </b><br>2× III: 2p<br>o0981348   | PC25-sq<br>F2282             |      |      |      |       |       |       |
| <b> U<sub>4</sub>.1(N24) </b><br>3× III: 3p<br>o0981349   | PC25-sq<br>F2283             |      |      |      |       |       | F2283 |
| <b> U<sub>4</sub>*X </b><br>2× III: 1p/1u<br>o0981350   | PC25-bk<br>F247F             |      |      |      |       |       |       |
| <b> U<sub>4</sub>*X+2(N01) </b><br>1× III: 1u<br>o0981351   | UNP<br>F2480                 |      |      |      |       |       |       |
| <b> U<sub>4</sub>*1(N01) </b><br>12A80<br>38× IV: 1p;<br>III: 30p/7u<br>o0981352                                | PC25<br>ZATU569<br>12A80     |      |      |      |       |       |       |
| <b> U<sub>4</sub>*1(N01).5(N08) </b><br>2× III: 1p/1u<br>o0981353   | PC25-sq<br>F2284             |      |      |      |       |       |       |
| <b> U<sub>4</sub>*1(N01).1(N24) </b><br>12A81<br>AKA:  U <sub>4</sub> *1(N01)+1(N24) <br>2× III: 2p<br>o0981354 | PC25<br>12A81                |      |      |      |       |       |       |
| <b> U<sub>4</sub>*2(N01) </b><br>14× III: 13p/1u<br>o0981355  | PC25-bk<br>F2481             |      |      |      |       |       |       |
| <b> U<sub>4</sub>*2(N01).X </b><br>1× III: 1p<br>o0981356   | PC25-sq<br>F2482             |      |      |      |       |       |       |

| PCSL  |                          | FONT  | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|--------------------------|-------|------|------|------|-------|-------|-------|
| $ U_4 \times 2(N01).2(N14) $                | PC25-sq                  |       |      |      |      |       |       |       |
| 1× III: 1p                                  | <a href="#">o0981357</a> | F2285 |      |      |      |       |       |       |
| $ U_4 \times 2(N01).2(N14).1(N08) $         | PC25-sq                  |       |      |      |      |       |       |       |
| CDLI: $ U_4 \times 2(N01).(2(N14).1(N08)) $ |                          | F2286 |      |      |      | F2286 |       |       |
| 1× III: 1p                                  | <a href="#">o0981358</a> |       |      |      |      |       |       |       |
| $ U_4 \times 3(N01) $                       | PC25                     |       |      |      |      |       |       |       |
| 12A82                                       |                          | 12A82 |      |      |      | 12A82 |       |       |
| 5× III: 3p/2u                               | <a href="#">o0981359</a> |       |      |      |      |       |       |       |
| $ U_4 \times 3(N01).3(N08) $                | UNP                      |       |      |      |      |       |       |       |
| 1× III: 1u                                  | <a href="#">o0981360</a> | F2287 |      |      |      |       |       |       |
| $ U_4 \times 4(N01) $                       | PC25                     |       |      |      |      |       |       |       |
| 12A83                                       |                          | 12A83 |      |      |      |       |       |       |
| 7× III: 6p/1u                               | <a href="#">o0981361</a> |       |      |      |      |       |       |       |
| $ U_4 \times 4(N01).2(N14) $                | UNP                      |       |      |      |      |       |       |       |
| 1× III: 1u                                  | <a href="#">o0981362</a> | F2288 |      |      |      |       |       |       |
| $ U_4 \times 5(N01) $                       | PC25                     |       |      |      |      |       |       |       |
| 12A84                                       |                          | 12A84 |      |      |      |       |       |       |
| 3× III: 2p/1u                               | <a href="#">o0981363</a> |       |      |      |      |       |       |       |
| $ U_4 \times 5(N01).1(N14) $                | PC25-sq                  |       |      |      |      |       |       |       |
| 1× III: 1p                                  | <a href="#">o0981364</a> | F2289 |      |      |      |       |       |       |
| $ U_4 \times 6(N01) $                       | PC25                     |       |      |      |      |       |       |       |
| 12A85                                       |                          | 12A85 |      |      |      | 12A85 |       |       |
| 3× III: 1p/2u                               | <a href="#">o0981365</a> |       |      |      |      |       |       |       |
| $ U_4 \times 8(N01) $                       | PC25                     |       |      |      |      |       |       |       |
| 12A86                                       |                          | 12A86 |      |      |      | 12A86 |       |       |
| 2× III: 2p                                  | <a href="#">o0981366</a> |       |      |      |      |       |       |       |
| $ U_4 \times 8(N01).X $                     | PC25-sq                  |       |      |      |      |       |       |       |
| 1× III: 1p                                  | <a href="#">o0981367</a> | F2483 |      |      |      |       |       |       |
| $ U_4 \times N(N01) $                       | UNP                      |       |      |      |      |       |       |       |
| CDLI: $ U_4 \times (X(N01)) $               |                          | F2484 |      |      |      |       |       |       |
| 1× III: 1u                                  | <a href="#">o0981368</a> |       |      |      |      |       |       |       |
| $ U_4 \times 1(N01@f) $                     | EDI                      |       |      |      |      |       |       |       |
| CDLI: $ U_4 \times 1(N01)F $                |                          | F2513 |      |      |      |       |       |       |
| <a href="#">o0981369</a>                    |                          |       |      |      |      |       |       |       |
| $ U_4 \times 1(N14) $                       | PC25                     |       |      |      |      |       |       |       |
| 12A87                                       |                          | 12A87 |      |      |      | 12A87 |       |       |
| 5× III: 1p/4u                               | <a href="#">o0981370</a> |       |      |      |      |       |       |       |
| $ U_4 \times (1(N14).1(N01)) $              | PC25                     |       |      |      |      |       |       |       |
| 12A88                                       |                          | 12A88 |      |      |      |       | 12A88 |       |
| 1× III: 1p                                  | <a href="#">o0981371</a> |       |      |      |      |       |       |       |
| $ U_4 \times (1(N14).2(N01)) $              | PC25                     |       |      |      |      |       |       |       |
| 12A89                                       |                          | 12A89 |      |      |      | 12A89 |       |       |
| 10× III: 10p                                | <a href="#">o0981372</a> |       |      |      |      |       |       |       |

























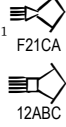
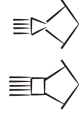

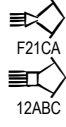
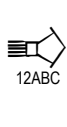
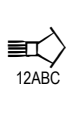

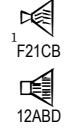




























| PCSL  |                          | FONT  | CDLI  | ATU3  | ATU5  | MSVO1  | MSVO4   | CUSAS   |
|---|--------------------------|---|---|---|---|--|---|---|
| <b> U<sub>4</sub>×(1(N14).3(N01)) </b>                      | UNP                      |    |   |   |   |  |   |   |
| 1× III: 1u  | <a href="#">o0981373</a> | F253D   |   |   |   |  |   |   |
| <b> U<sub>4</sub>×(1(N14).3(N01)).1(N14).4(N08) </b>        | UNP                      |    |   |   |   |  |   |   |
| AKA: <b> U<sub>4</sub>×(1(N14).3(N01)).(1(N14).4(N08)) </b> |                          | F253D_12562_1255C   |   |   |   |  |   |   |
| 1× III: 1u  | <a href="#">o0981374</a> |   |   |   |   |  |   |   |
| <b> U<sub>4</sub>×(1(N14).4(N01)) </b><br>12A8A             | PC25                     |    |    |    |   |  |   |   |
| 1× III: 1p  | <a href="#">o0981375</a> | 12A8A   | 12A8A   | 12A8A   |   |  |   |   |
| <b> U<sub>4</sub>×(1(N14).8(N01)) </b><br>12A8B             | PC25                     |    |    |    |   |   |   |   |
| 2× III: 2p  | <a href="#">o0981376</a> | 12A8B   | 12A8B   | 12A8B   |   | 12A8B  |   |   |
| <b> U<sub>4</sub>×2(N14) </b>                               | ZERO                     |    |    |   |   |   |   |   |
|   | <a href="#">o0981377</a> | F2485   | F2485   |   |   | F2485  |   |   |
| <b> U<sub>4</sub>×(2(N14).4(N01)) </b><br>12A8C             | PC25                     |    |    |    |   |  |    |   |
| 1× III: 1p  | <a href="#">o0981378</a> | 12A8C   | 12A8C   | 12A8C   |   |  | 12A8C   |   |
| <b> U<sub>4</sub>×(3(N14).2(N01)) </b><br>12A8D             | PC25                     |    |    |    |   |   |   |   |
| 1× III: 1p  | <a href="#">o0981379</a> | 12A8D   | 12A8D   | 12A8D   |   | 12A8D  |   |   |
| <b> U<sub>4</sub>×(3(N14).7(N01)) </b><br>12A8E             | PC25                     |   |   |   |   |  |   |   |
| 1× III: 1p  | <a href="#">o0981380</a> | 12A8E   | 12A8E   | 12A8E   |   |  |   |   |
| <b> U<sub>4</sub>×1(N57) </b><br>12A8F                      | PC25                     |  |  |  |   |  |  |  |
| 159× III: 129p/23u  | <a href="#">o0981381</a> | 12A8F   | 12A8F   | 12A8F   |   | 12A8F  | 12A8F   | 12A8F   |
| <b> U<sub>4</sub>×2(N57) </b><br>12A90                      | PC25                     |  |  |  |  |  |  |  |
| 57× IV: 1p;<br>III: 43p/9u                                  | <a href="#">o0981382</a> | 12A90   | 12A90   | 12A90   | 12A90   |  | 12A90   | 12A90   |
| <b> U<sub>4</sub>×3(N57) </b><br>12A91                      | PC25                     |  |  |  |   |  |  |  |
| 43× IV: 1u;<br>III: 30p/10u                                 | <a href="#">o0981383</a> | 12A91   | 12A91   | 12A91   |   | 12A91  | 12A91   | 12A91   |
| <b> U<sub>4</sub>×4(N57) </b><br>12A92                      | PC25                     |  |  |  |   |  |  |  |
| 9× III: 7p/1u   | <a href="#">o0981384</a> | 12A92   | 12A92   | 12A92   |   |  | 12A92   | 12A92   |
| <b> U<sub>4</sub>×5(N57) </b><br>12A93                      | PC25                     |  |  |  |   |  |  |  |
| 5× III: 5p  | <a href="#">o0981385</a> | 12A93   | 12A93   | 12A93   |   |  | 12A93   | 12A93   |
| <b> U<sub>4</sub>×6(N57) </b><br>12A94                      | PC25                     |  |  |  |   |  |  |  |
| 9× III: 8p/1u   | <a href="#">o0981386</a> | 12A94   | 12A94   | 12A94   |   |  | 12A94   | 12A94   |





























































| PCSL  |                          | FONT    | CDLI                                      | ATU3 | ATU5 | MSVO1        | MSVO4 | CUSAS |
|---|--------------------------|---------|---|------|------|--------------|-------|-------|
| <b>[U<sub>4</sub>×7(N57)]</b><br>12A95  |                          | PC25    |   |      |      |              |       |       |
| 3× III: 3p  | <a href="#">o0981387</a> |         |   |      |      |              |       |       |
| <b>[U<sub>4</sub>×8(N57)]</b><br>12A96  |                          | PC25    |   |      |      |              |       |       |
| 3× III: 3p  | <a href="#">o0981388</a> |         |   |      |      |              |       |       |
| <b>[U<sub>4</sub>×10(N57)]</b><br>12A97   |                          | PC25    |   |      |      |              |       |       |
| 2× III: 2p  | <a href="#">o0981389</a> |         |   |      |      |              |       |       |
| <b>[U<sub>4</sub>×1(N58@t)]</b><br>12A98  |                          | PC25    |   |      |      |              |       |       |
| AKA: [U <sub>4</sub> ×1(N58)@t]<br>CDLI: [U <sub>4</sub> ×1(N58)@t]<br>2× III: 2p | <a href="#">o0981390</a> |         |   |      |      |              |       |       |
| <b>U<sub>4</sub>@t</b><br>12A99   |                          | PC25    |   |      |      |              |       |       |
| 1× III: 1p  | <a href="#">o0981391</a> |         |   |      |      |              |       |       |
| <b>U<sub>8</sub></b><br>12A9A   |                          | PC25    | <br>1 F21C1<br><br>2 F21C2<br><br>3 F21C3 |      |      | <br><br><br> |       |       |
| 186×<br>IV: 31p;<br>III: 89p/62u  | <a href="#">o0981392</a> | ZATU571 |   |      |      |              |       |       |
| <b>[U<sub>8</sub>×TAR~b]</b><br>12A9B   |                          | PC25    |   |      |      |              |       |       |
| CDLI: [(U <sub>8</sub> ×TAR)~b]<br>2× III: 1p/1u                                  | <a href="#">o0981393</a> |         |   |      |      |              |       |       |
| <b>UB</b><br>12A9C  |                          | PC25    |   |      |      |              |       |       |
| 186×<br>IV: 17p/5u;<br>III: 137p/19u  | <a href="#">o0981394</a> | ZATU572 |   |      |      |              |       |       |
| <b>UBI~a</b><br>12A9D   |                          | PC25    |   |      |      |              |       |       |
| 2× IV: 2p   | <a href="#">o0981395</a> | ZATU573 |   |      |      |              |       |       |
| <b>UBI~c</b><br>12A9E   |                          | PC25    | <br>1 F21C4                               |      |      |              |       |       |
| 8× III: 8p  | <a href="#">o0981396</a> | ZATU573 |   |      |      |              |       |       |
| <b>UBI~d</b><br>12A9F   |                          | PC25    |   |      |      |              |       |       |
| 2× III: 2p  | <a href="#">o0981397</a> | ZATU573 |   |      |      |              |       |       |






















































































































| PCSL   |   | FONT                     | CDLI  | ATU3  | ATU5   | MSVO1   | MSVO4   | CUSAS   |
|--|---|--------------------------|---|---|--|---|---|---|
| <b>UD<sub>5</sub>~a</b><br>12AA0                   |    | PC25<br>1 F21C5<br>12AA0 |    |    |    |    |    |   |
| 224×<br>IV: 45p/1u;<br>III: 88p/83u                | <a href="#">o0981398</a>  | ZATU574<br>2 F21C6       |    |    |    |    |    |   |
| <b>UD<sub>5</sub>~a@g</b><br>12AA1                 |    | PC25<br>12AA1            |    |    |  |   |   |   |
| 1× III: 1p   | <a href="#">o0981399</a>  |                          |   |   |  |   |   |   |
| <b>UD<sub>5</sub>~b</b><br>12AA2                   |    | PC25<br>12AA2            |    |   |    |   |   |   |
| 2× IV: 2p  | <a href="#">o0981400</a>  | ZATU574                  |   |   |  |   |   |   |
| <b>UD<sub>5</sub>~c</b><br>12AA3                   |    | PC25<br>12AA3            |    |   |    |   |   |   |
| 2× IV: 2p  | <a href="#">o0981401</a>  | ZATU574                  |   |   |  |   |   |   |
| <b>UDU~a</b><br>12AA4                              |    | PC25<br>12AA4            |    |    |    |    |    |   |
| AKA: UDU<br>586×<br>IV: 75p/17u;<br>III: 329p/148u | <a href="#">o0981402</a>  | ZATU575                  |   |   |  |   |   |   |
| <b> UDU~a×TAR~a </b><br>12AA5                      |    | PC25<br>12AA5            |    |    |  |   |   |   |
| CDLI:  (UDU~a×TAR)~a <br>8× IV: 2p; III: 2p/4u     | <a href="#">o0981403</a>  | ZATU576                  |   |   |  |   |   |   |
| <b> UDU~a×TAR~b </b><br>12AA6                      |  | PC25<br>12AA6            |  |  |  |   |   |   |
| CDLI:  (UDU~a×TAR)~b <br>19× III: 10p/9u           | <a href="#">o0981404</a>  | ZATU576                  |   |   |  |   |   |   |
| <b>UDU~b</b><br>12AA7                              |  | UNP<br>F2486             |  |  |  |   |   |   |
| 1× IV: 1u  | <a href="#">o0981405</a>  | ZATU575                  |   |   |  |   |   |   |
| <b>UDU~c</b><br>12AA7                              |  | PC25<br>12AA7            |  |  |  |   |   |   |
| 6× IV: 1u; III: 4p/1u                              | <a href="#">o0981406</a>  | ZATU575                  |   |   |  |   |   |   |
| <b>UDUNITA~a</b><br>12AA8                          |  | PC25<br>12AA8            |  |  |  |  |  |  |
| 198×<br>IV: 33p;<br>III: 90p/73u                   | <a href="#">o0981407</a>  | ZATU578                  |   |   |  |   |   |   |
| <b>UDUNITA~b</b><br>12AA9                          |  | PC25<br>12AA9            |  |  |  |   |   |   |
| 1× IV: 1p  | <a href="#">o0981408</a>  | ZATU578                  |   |   |  |   |   |   |
| <b>UDUNITA~c</b><br>12AAA                          |  | PC25<br>12AAA            |  |  |  |   |   |   |
| 14× IV: 7p; III: 6p                                | <a href="#">o0981409</a>  | ZATU578                  |   |   |  |   |   |   |
| <b>UH</b><br>12AAB                                 |  | UNP<br>F2487             |  |  |  |   |   |   |
| 1× III: 1u   | <a href="#">o0981410</a>  |                          |   |   |  |   |   |   |
| <b>UH<sub>3</sub>~a</b><br>12AAB                   |  | PC25<br>12AAB            |  |  |   |   |   |   |
| 13× IV: 2p; III: 7p/4u                             | <a href="#">o0981411</a>  | ZATU579                  |   |   |  |   |   |   |

| PCSL   |                          | FONT        | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|--------------------------|-------------|------|------|------|-------|-------|-------|
| UH <sub>3</sub> ~a@t<br>12AAC                              |                          | PC25<br>    |      |      |      |       |       |       |
| 2× IV: 1p; III: 1p   | <a href="#">o0981412</a> |             |      |      |      |       |       |       |
| UH <sub>3</sub> ~b<br>12AAD                                |                          | PC25<br>    |      |      |      |       |       |       |
| 4× IV: 1p; III: 3p   | <a href="#">o0981413</a> | ZATU579     |      |      |      |       |       |       |
| UKKIN~a<br>12AAE   |                          | PC25<br>    |      |      |      |       |       |       |
| 155×<br>IV: 33p/9u;<br>III: 84p/23u                        | <a href="#">o0981414</a> | ZATU580     |      |      |      |       |       |       |
| UKKIN~a.GAL~a  |                          | PC25-sq<br> |      |      |      |       |       |       |
| AKA: KINGAL<br>CDLI: KINGAL<br>44× IV: 3p;<br>III: 31p/10u | <a href="#">o0980678</a> | ZATU294     |      |      |      |       |       |       |
| UKKIN~b<br>12AAF   |                          | PC25<br>    |      |      |      |       |       |       |
| 13× III: 5p/2u   | <a href="#">o0981415</a> | ZATU580     |      |      |      |       |       |       |
| UKKIN~b×DIN <br>12AB0                                      |                          | PC25<br>    |      |      |      |       |       |       |
| 6× III: 5p/1u  | <a href="#">o0981416</a> |             |      |      |      |       |       |       |
| UKKIN~b×(DIN.1(N01)) <br>12AB1                             |                          | PC25<br>    |      |      |      |       |       |       |
| 1× III: 1p   | <a href="#">o0981417</a> |             |      |      |      |       |       |       |
| UKKIN~b×DUG~a  |                          | EDI<br>     |      |      |      |       |       |       |
|  | <a href="#">o0981418</a> |             |      |      |      |       |       |       |
| UKKIN~b×HI@g~a <br>12AB2                                   |                          | PC25<br>    |      |      |      |       |       |       |
| 1× III: 1p   | <a href="#">o0981419</a> |             |      |      |      |       |       |       |
| UKKIN~b×NI~a <br>12AB3                                     |                          | PC25<br>    |      |      |      |       |       |       |
| 2× III: 1p   | <a href="#">o0981420</a> |             |      |      |      |       |       |       |
| UKKIN~b×X  |                          | PC25-bk<br> |      |      |      |       |       |       |
| 1× III: 1p   | <a href="#">o0981421</a> |             |      |      |      |       |       |       |
| UKKIN~b×2(N01) <br>12AB4                                   |                          | PC25<br>    |      |      |      |       |       |       |
| 1× III: 1p   | <a href="#">o0981422</a> |             |      |      |      |       |       |       |
| UKKIN~b×3(N01) <br>12AB5                                   |                          | PC25<br>    |      |      |      |       |       |       |
| 1× III: 1p   | <a href="#">o0981423</a> |             |      |      |      |       |       |       |
| UKKIN~b×5(N01) <br>12AB6                                   |                          | PC25<br>    |      |      |      |       |       |       |
| 1× III: 1p   | <a href="#">o0981424</a> |             |      |      |      |       |       |       |

| PCSL  |   | FONT            | CDLI  | ATU3  | ATU5  | MSVO1  | MSVO4   | CUSAS   |
|---|---|-----------------|---|---|---|--|---|---|
| UKKIN~c<br>12AB7  |    | PC25<br>ZATU580 |    |    |   |    |   |   |
| 1x IV: 1p   | o0981425  |                 | 12AB7   |   | 12AB7   |  |   |   |
| UKKIN~d   |   | UNP<br>ZATU580  |    |    |   |  |   |   |
| 1x  | o0981426  |                 | F2535   |    |   |  |   |   |
| UMBIN~a<br>12AB8  |    | PC25<br>ZATU581 |    |    |   |    |    |   |
| 40x IV: 27p/3u;<br>III: 7p/3u   | o0981427  |                 | 12AB8   |   | 12AB8   |  | 12AB8   |   |
| UMBIN~b1<br>12AB9   |    | PC25<br>ZATU581 |    |    |   |  |   |   |
| 2x IV: 2p   | o0981428  |                 | 12AB9   |   |   |  |   |   |
| UMBIN~b2<br>12ABA   |    | PC25<br>ZATU581 |    |    |   |    |   |   |
| 1x  | o0981429  |                 | 12ABA   |   | 12ABA   |  |   |   |
| UMBIN~c<br>12ABB  |    | PC25<br>ZATU581 |    |    |   |    |   |   |
| 1x IV: 1p   | o0981430  |                 | 12ABB   |   | 12ABB   |  |   |   |
| UMUN <sub>2</sub><br>12ABC  |    | PC25<br>ZATU582 |   |   |    |   |   |   |
| 160x IV: 17p/2u;<br>III: 95p/43u  | o0981431  |                 | <sup>1</sup> F21CA<br>12ABC   |   | 12ABC   | F21CA<br>12ABC   | 12ABC   | 12ABC   |
| UNUG~a<br>12ABD   |  | PC25<br>ZATU583 |  |  |  |  |  |  |
| 266x IV: 69p/8u;<br>III: 124p/56u   | o0981432  |                 | <sup>1</sup> F21CB<br>12ABD   |   | 12ABD   | F21CB<br>12ABD   | 12ABD   | 12ABD   |
| UNUG~a×A@t <br>12ABE  |  | PC25<br>ZATU584 |  |  |   |  |   |   |
| 1x IV: 1p   | o0981433  |                 | 12ABE   |   |   | 12ABE  |   |   |
| UNUG~a@s<br>12ABF   |  | PC25<br>ZATU585 |  |  |  |  |   |   |
| 2x IV: 1p; III: 1u  | o0981434  |                 | 12ABF   |   | 12ABF (o)   |  |   |   |
| UNUG~b<br>12AC0   |  | PC25<br>ZATU583 |  |  |   |  |   |   |
| 6x IV: 1p; III: 5p  | o0981435  |                 | 12AC0   |   |   |  |   |   |
| UNUG~c<br>12AC1   |  | PC25<br>ZATU583 |  |  |   |  |   |   |
| 3x IV: 3p   | o0981436  |                 | 12AC1   |   |   |  |   |   |
| UR~a<br>12AC2   |  | PC25<br>ZATU586 |  |  |  |  |  |  |
| AKA: UR<br>75x IV: 2p/4u;<br>III: 41p/26u                                     | o0981437  |                 | 12AC2   |   | 12AC2   | 12AC2  | 12AC2   | 12AC2   |
| UR~a×KAR <sub>2</sub> ~b  |   | UNP             |  |  |   |  |   |   |
| AKA:  UR~a×KAR <sub>2</sub>  <br>CDLI:  UR~a×KAR <sub>2</sub>  <br>1x III: 1u | o0981438  |                 | F2489   |   |   |  |   |   |

| PCSL  |   | FONT  | CDLI  | ATU3  | ATU5   | MSVO1  | MSVO4   | CUSAS   |
|---|---|---|---|---|--|--|---|---|
| <b>UR~a@g</b><br>12AC3  |    | PC25<br>   |    |   |    |  |   |   |
| 2× IV: 2p   | <a href="#">o0981439</a>  | ZATU587   |   |   |  |  |   |   |
| <b>UR~b</b><br>12AC4  |    | PC25<br>   |    |   |  |  |   |   |
| 8× IV: 1u; III: 7p  | <a href="#">o0981440</a>  | ZATU586   |   |   |  |  |   |   |
| <b>UR~c</b><br>12AC5  |    | PC25<br>   |    |   |  |  |  |   |
| 3× IV: 1p/1u; III: 1p   | <a href="#">o0981441</a>  | ZATU586   |   |   |  |  |   |   |
| <b>UR<sub>2</sub></b><br>12AC6  |    | PC25<br>   |    |    |    |   |  |  |
| 107× IV: 6p/2u;<br>III: 69p/24u   | <a href="#">o0981442</a>  | ZATU588   |   |   |  |  |   |   |
| <b>[UR<sub>2</sub>×TAR~c]</b><br>12AC7  |    | PC25<br>   |    |    |    |  |   |   |
| AKA: [UR <sub>2</sub> ×TAR]<br>CDLI: [UR <sub>2</sub> ×TAR]<br>4× IV: 2p; III: 2p | <a href="#">o0981443</a>  | ZATU590   |   |    |  |  |   |   |
| <b>[UR<sub>2</sub>×1(N57)]</b><br>12AC8   |    | PC25<br>   |    |    |  |  |   |   |
| 15× IV: 2p/1u;<br>III: 6p/2u  | <a href="#">o0981444</a>  | ZATU589   |   |   |  |  |   |   |
| <b>UR<sub>2</sub>~a1</b><br>12AC9   |   | PC25<br>  |   |   |  |  |   |   |
| 4× IV: 4p   | <a href="#">o0981445</a>  | ZATU591   |  |   |  |  |   |   |
| <b>UR<sub>3</sub>~a2</b><br>12ACA   |  | PC25<br> |  |  |  |  |   |   |
| 6× III: 6p  | <a href="#">o0981446</a>  | ZATU591   |   |   |  |  |   |   |
| <b>UR<sub>3</sub>~a3</b><br>12ACB   |  | PC25<br> |  |   |  |  |   |   |
| 8× III: 7p/1u   | <a href="#">o0981447</a>  | ZATU591   |   |   |  |  |   |   |
| <b>UR<sub>3</sub>~b1</b><br>12ACC   |  | PC25<br> |  |  |  |  |   |   |
| 12× IV: 5p/2u; III: 4p  | <a href="#">o0981448</a>  | ZATU591   |   |   |  |  |   |   |
| <b>[UR<sub>3</sub>~b1×MAŠ]</b>  |   | UNP<br>  |  |   |  |  |   |   |
| 1× IV: 1u   | <a href="#">o0981449</a>  |   |   |   |  |  |   |   |
| <b>UR<sub>3</sub>~b2</b><br>12ACD   |  | PC25<br> |  |  |  |  |   |   |
| 11× IV: 2p/1u;<br>III: 5p/3u  | <a href="#">o0981450</a>  | ZATU591   |  |   |  |  |   |   |
| <b>UR<sub>3</sub>~d2</b>  |   | UNP<br>  |  |   |  |  |   |   |
| 1×  | <a href="#">o0981451</a>  | ZATU591   |   |   |  |  |   |   |
| <b>UR<sub>4</sub>~a</b><br>12ACE  |  | PC25<br> |  |  |  |  |   |   |
| 13× IV: 1p; III: 9p/3u  | <a href="#">o0981452</a>  | ZATU592   |   |   |  |  |   |   |

| PCSL  | FONT   | CDLI  | ATU3  | ATU5   | MSVO1   | MSVO4   | CUSAS |
|---|--|---|---|--|---|---|-------|
| UR <sub>4</sub> ~b<br>12ACF<br>18× III: 15p/3u<br>o0981453<br>ZATU592   |  PC25<br> 12ACF  |    |  12ACF   |  |   |  12ACF   |       |
| UR <sub>4</sub> ~c<br>12AD0<br>3× IV: 2p; III: 1p<br>o0981454<br>ZATU592  |  PC25<br> 12AD0  |    |   |  |   |   |       |
| UR <sub>5</sub> ~a<br>12AD1<br>74× IV: 1u;<br>III: 56p/16u<br>o0981455<br>ZATU593                                   |  PC25<br> 12AD1  |    |   |  |  12AD1       |  12AD1   |       |
| UR <sub>5</sub> ~b<br>12AD2<br>4× III: 4p<br>o0981456<br>ZATU593  |  PC25<br> 12AD2  |    |  12AD2   |  |   |   |       |
| URI<br>12AD3<br>29× IV: 1p/1u;<br>III: 18p/7u<br>o0981457<br>ZATU594  |  PC25<br> 12AD3  |    |  12AD3   |  12AD3   |  12AD3       |  12AD3   |       |
| UR <sub>3</sub> ~a<br>12AD4<br>110× IV: 7p;<br>III: 53p/45u<br>o0981459<br>ZATU595                                  |  PC25<br> 12AD4<br> F21CE                   |  12AD4<br> F21CE  |  F21CE   |  |  F21CE       |  F21CE   |       |
| UR <sub>3</sub> ~a.AB~a <br>AKA: UR <sub>3</sub> ~b<br>CDLI: UR <sub>3</sub> ~b<br>1× IV: 1p<br>o0981461<br>ZATU595 | PC25-sq<br> F228B  |    |   |  |   |   |       |
| UR <sub>3</sub> ~a.IB~a <br>CDLI:  UR <sub>3</sub> ~a+IB~a <br>o0981460<br>EDI                                      | EDI<br> F228C   |    |   |  |   |   |       |
| UR <sub>3</sub> ~a.NA~a <br>AKA: NANNA~a<br>CDLI: NANNA~a<br>11× III: 5p/5u<br>o0980903<br>ZATU388                  | PC25-sq<br> F2145<br> F2146<br> F2147 |  F2145<br> F2146<br> F2147 |   |  |  F2147 (o) |   |       |
| UR <sub>3</sub> ~a.UNUG~a <br>CDLI: UR <sub>2</sub><br>o0981458<br>EDI  | EDI<br> F228D   |    |   |  |   |   |       |
| UR <sub>5</sub><br>12AD5<br>8× III: 4p/4u<br>o0981462<br>ZATU596  |  PC25<br> 12AD5  |    |  12AD5 |  |   |   |       |
| URU~a1<br>12AD6<br>169× IV: 8p/3u;<br>III: 107p/46u<br>o0981463<br>ZATU597  |  PC25<br> 12AD6  |    |  12AD6 |  12AD6 |  12AD6     |  12AD6 |       |
| URU~a1×A <br>o0981464<br>EDI  | EDI<br> F2515   |    |   |  |   |   |       |
| URU~a1×AMAR <br>12AD7<br>2× IV: 2p<br>o0981465<br>ZATU598   |  PC25<br> 12AD7  |    |   |  12AD7 |   |   |       |












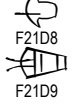

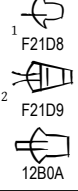











































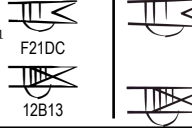







| PCSL  |                 | FONT  | CDLI  | ATU3  | ATU5   | MSVO1   | MSVO4   | CUSAS   |
|---|-----------------|---|---|---|--|---|---|---|
| URU~a1×GU <sub>4</sub>  <br>1× III: 1u<br>o0981466                                | UNP             |    |    |   |  |   |   |   |
| URU~a1×HI@g~a <br>12AD8<br>1× III: 1p<br>o0981467                                 | PC25            |    |    |   |  |    |   |   |
| URU~a1×KI <br>12AD9<br>2× III: 2p<br>o0981468                                     | PC25            |    |    |   |  |   |   |    |
| URU~a1×NIMGIR <br>12ADA<br>1× IV: 1p<br>o0981469                                  | PC25<br>ZATU600 |    |    |   |    |   |   |   |
| URU~a1×U <sub>4</sub>  <br>12ADB<br>1× III: 1p<br>o0981470                        | PC25            |    |    |   |  |    |   |   |
| URU~a1×X <br>2× IV: 1p; III: 1p<br>o0981471                                       | PC25-bk         |    |    |   |    |   |   |   |
| URU~a1×3(N57) <br>12ADC<br>5× III: 5p<br>o0981474                                 | PC25            |    |    |   |  |   |   |    |
| URU~a1@n<br>CDLI:  URU~a1@n <br>1× III: 1u<br>o0981475                            | UNP             |    |    |   |  |   |   |   |
| URU~a2<br>12ADD<br>3× IV: 3p<br>o0981476  | PC25<br>ZATU597 |    |    |   |    |   |   |   |
| URU~a2×1(N58) <br>12ADE<br>AKA:  URU~a1+1(N58) <br>3× IV: 2p; III: 1p<br>o0981477 | PC25<br>ZATU601 |    |    |   |    |   |   |   |
| URU~a3×KALAM~a <br>12ADF<br>1×<br>o0981478  | PC25<br>ZATU599 |    |    |   |    |   |   |   |
| URU~b1<br>12AE0<br>2× IV: 2p<br>o0981479  | PC25<br>ZATU597 |    |    |   |    |   |   |   |
| URU~b2<br>12AE1<br>4× IV: 3p<br>o0981480  | PC25<br>ZATU597 |    |    |   |    |   |   |   |
| URU~c<br>12AE2<br>2× IV: 2p<br>o0981481   | PC25<br>ZATU597 |    |    |   |    |   |   |   |
| URUDU~a<br>12AE3<br>40× IV: 6p/1u;<br>III: 19p/11u<br>o0981482                    | PC25<br>ZATU602 | <br><br> | <br><br> |  | <br><br> |  |  |  |





































































| PCSL  |                          | FONT          | CDLI                | ATU3 | ATU5  | MSVO1 | MSVO4 | CUSAS |
|---|--------------------------|---------------|---------------------|------|-------|-------|-------|-------|
| URUDU~c<br>12AE4                                |                          | PC25<br>12AE4 |                     |      |       |       |       |       |
| 3× IV: 1p; III: 1p/1u                           | <a href="#">o0981483</a> | ZATU602       |                     |      |       |       |       |       |
| URUDU~d<br>12AE5                                |                          | PC25<br>12AE5 |                     |      |       |       |       |       |
| 1× IV: 1p                                       | <a href="#">o0981484</a> | ZATU602       |                     |      |       |       |       |       |
| URUDU@g~a<br>12AE6                              |                          | PC25<br>12AE6 |                     |      |       |       |       |       |
| 5× IV: 3p/2u                                    | <a href="#">o0981485</a> | ZATU603       |                     |      |       |       |       |       |
| URUDU@g~b                                       |                          | UNP           |                     |      |       |       |       |       |
| 1× IV: 1u                                       | <a href="#">o0981486</a> | ZATU603       | F248E               |      |       |       |       |       |
| URUDU@g~c<br>12AE7                              |                          | PC25<br>12AE7 |                     |      |       |       |       |       |
| 3× III: 3p                                      | <a href="#">o0981487</a> | ZATU603       |                     |      |       |       |       |       |
| URUDU@g~d<br>12AE8                              |                          | PC25<br>12AE8 |                     |      |       |       |       |       |
| 5× III: 2p/3u                                   | <a href="#">o0981488</a> | ZATU603       |                     |      |       |       |       |       |
| UŠ~a<br>12AE9                                   |                          | PC25<br>12AE9 |                     |      |       |       |       |       |
| 87× IV: 27p/3u;<br>III: 32p/17u                 | <a href="#">o0981489</a> | ZATU604       | 1<br>F21D1          |      |       |       |       |       |
| UŠ~a.KUR~a                                      |                          | PC25-sq       |                     |      |       |       |       |       |
| AKA: IR <sub>11</sub><br>CDLI: IR <sub>11</sub> |                          |               | 1<br>F20FD<br>F20FC |      |       |       |       |       |
| 9× III: 5p/4u                                   | <a href="#">o0980616</a> | ZATU268       |                     |      |       |       |       |       |
| UŠ~a&UŠ~a <br>12AEA                             |                          | PC25<br>12AEA |                     |      |       |       |       |       |
| 9× IV: 9p                                       | <a href="#">o0981490</a> |               |                     |      |       |       |       |       |
| UŠ~b<br>12AEB                                   |                          | PC25<br>12AEB |                     |      |       |       |       |       |
| 9× IV: 1p/1u;<br>III: 3p/4u                     | <a href="#">o0981491</a> | ZATU604       | 1<br>F21D2          |      |       |       |       |       |
| UŠ~b×TAR~c <br>12AEC                            |                          | PC25<br>12AEC |                     |      |       |       |       |       |
| 2× IV: 2p                                       | <a href="#">o0981492</a> | ZATU605       | 1<br>F21D3          |      |       |       |       |       |
| UŠ~b×TAR~d                                      |                          | EDI           |                     |      |       |       |       |       |
|   | <a href="#">o0981493</a> |               | F2516               |      |       |       |       |       |
| UŠ~b&UŠ~b <br>12AED                             |                          | PC25<br>12AED |                     |      |       |       |       |       |
| 2× IV: 2p                                       | <a href="#">o0981494</a> |               |                     |      |       |       |       |       |
| UŠUR <sub>3</sub> ~a                            |                          | EDI           |                     |      |       |       |       |       |
|   | <a href="#">o0981496</a> |               | F24F0               |      | F24F0 |       |       |       |
| UŠUR <sub>3</sub> ~b1<br>12AEE                  |                          | PC25<br>12AEE |                     |      |       |       |       |       |
| 1× III: 1p                                      | <a href="#">o0981497</a> | ZATU608       |                     |      |       |       |       |       |











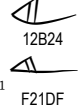








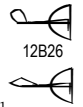






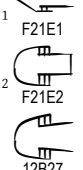






















| PCSL                                |                          | FONT    | CDLI        | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|-------------------------------------|--------------------------|---------|-------------|------|------|-------|-------|-------|
| UŠUR <sub>3</sub> -b2<br>12AEF      |                          | PC25    |             |      |      |       |       |       |
| 1× III: 1p                          | <a href="#">o0981498</a> | ZATU608 |             |      |      |       |       |       |
| UTUA-a<br>12AF0                     |                          | PC25    |             |      |      |       |       |       |
| 123×<br>IV: 38p/3u;<br>III: 32p/46u | <a href="#">o0981499</a> | ZATU609 |             |      |      |       |       |       |
| UTUA-a@t<br>12AF1                   |                          | PC25    |             |      |      |       |       |       |
| 1× IV: 1p                           | <a href="#">o0981500</a> |         |             |      |      |       |       |       |
| UTUA-b<br>12AF2                     |                          | PC25    |             |      |      |       |       |       |
| 14× IV: 4p; III: 8p/2u              | <a href="#">o0981501</a> | ZATU609 |             |      |      |       |       |       |
| UTUL-a<br>12AF3                     |                          | PC25    |             |      |      |       |       |       |
| 38× IV: 3p/1u;<br>III: 27p/7u       | <a href="#">o0981502</a> | ZATU610 |             |      |      |       |       |       |
| UTUL-b<br>12AF4                     |                          | PC25    |             |      |      |       |       |       |
| 1× IV: 1p                           | <a href="#">o0981503</a> | ZATU610 |             |      |      |       |       |       |
| UTUL-c<br>12AF5                     |                          | PC25    |             |      |      |       |       |       |
| 1× IV: 1p                           | <a href="#">o0981504</a> | ZATU610 |             |      |      |       |       |       |
| UTUL-d<br>12AF6                     |                          | PC25    |             |      |      |       |       |       |
| 1× IV: 1p                           | <a href="#">o0981505</a> | ZATU610 |             |      |      |       |       |       |
| UZU<br>12AF7                        |                          | PC25    |             |      |      |       |       |       |
| 2× III: 1p/1u                       | <a href="#">o0981507</a> |         |             |      |      |       |       |       |
| X <sub>2</sub>                      |                          | PC25-sq |             |      |      |       |       |       |
| AKA:  2(N57).DU <sub>6</sub> -a@n   |                          |         | 12BED_F253A |      |      |       |       |       |
| 1× III: 1p                          | <a href="#">o0981508</a> |         |             |      |      |       |       |       |
| ZA-v<br>12AF8                       |                          | PC25    |             |      |      |       |       |       |
| CDLI: ZA~x<br>9× III: 9p            | <a href="#">o0981509</a> | ZATU612 |             |      |      |       |       |       |
| ZADIM                               |                          | EDI     |             |      |      |       |       |       |
|                                     | <a href="#">o0981512</a> |         | F24F1       |      |      |       |       |       |
| ZAG-a<br>12AF9                      |                          | PC25    |             |      |      |       |       |       |
| 75× IV: 2p/1u;<br>III: 56p/15u      | <a href="#">o0981513</a> | ZATU615 |             |      |      |       |       |       |
| ZAG-b<br>12AFA                      |                          | PC25    |             |      |      |       |       |       |
| 2× IV: 2p                           | <a href="#">o0981514</a> | ZATU615 |             |      |      |       |       |       |



| PCSL                         |          | FONT    | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|------------------------------|----------|---------|------|------|------|-------|-------|-------|
| ZAG~c<br>12AFB               |          | PC25    |      |      |      |       |       |       |
| 7× IV: 4p; III: 3p           | o0981515 | ZATU615 |      |      |      |       |       |       |
| ZAR~a<br>12AFC               |          | PC25    |      |      |      |       |       |       |
| 2× III: 2p                   | o0981516 | ZATU616 |      |      |      |       |       |       |
| ZAR~b1<br>12AFD              |          | PC25    |      |      |      |       |       |       |
| 2× IV: 2p                    | o0981517 | ZATU616 |      |      |      |       |       |       |
| ZAR~b2<br>12AFE              |          | PC25    |      |      |      |       |       |       |
| 3× IV: 3p                    | o0981518 | ZATU616 |      |      |      |       |       |       |
| ZAR~c<br>12AFF               |          | PC25    |      |      |      |       |       |       |
| 8× IV: 6p/1u; III: 1p        | o0981519 | ZATU616 |      |      |      |       |       |       |
| ZI~a<br>12B00                |          | PC25    |      |      |      |       |       |       |
| 125× IV: 3p/1u; III: 90p/31u | o0981520 | ZATU617 |      |      |      |       |       |       |
| ZI~b<br>12B01                |          | PC25    |      |      |      |       |       |       |
| 2× IV: 2p                    | o0981521 | ZATU617 |      |      |      |       |       |       |
| ZI~d<br>12B02                |          | PC25    |      |      |      |       |       |       |
| 2× III: 2p                   | o0981522 | ZATU617 |      |      |      |       |       |       |
| (ZU&ZU).SAR~a                |          | EDI     |      |      |      |       |       |       |
|                              | o0981523 |         |      |      |      |       |       |       |
| ZUBI~a<br>12B03              |          | PC25    |      |      |      |       |       |       |
| 1× III: 1p                   | o0981524 | ZATU619 |      |      |      |       |       |       |
| ZUBI~b                       |          | UNP     |      |      |      |       |       |       |
| 1× III: 1u                   | o0981525 | ZATU619 |      |      |      |       |       |       |
| ZATU620<br>12B04             |          | PC25    |      |      |      |       |       |       |
| 1× IV: 1p                    | o0981526 | ZATU620 |      |      |      |       |       |       |
| ZATU621~a<br>12B05           |          | PC25    |      |      |      |       |       |       |
| 5× IV: 4p; III: 1p           | o0981527 | ZATU621 |      |      |      |       |       |       |
| ZATU621~b<br>12B06           |          | PC25    |      |      |      |       |       |       |
| 3× IV: 3p                    | o0981528 | ZATU621 |      |      |      |       |       |       |
| ZATU621~c<br>12B07           |          | PC25    |      |      |      |       |       |       |
| 2× IV: 2p                    | o0981529 | ZATU621 |      |      |      |       |       |       |



































































| PCSL                          |   | FONT  | CDLI  | ATU3  | ATU5   | MSVO1   | MSVO4   | CUSAS   |
|-------------------------------|---|---|---|---|--|---|---|---|
| ZATU621~d<br>12B08            |    | PC25<br>   |    |   |  |   |   |   |
| 1x IV: 1p                     | <a href="#">o0981530</a>  | ZATU621   |   |   |  |   |   |   |
| ZATU622<br>12B09              |    | PC25<br>   |    |   |    |   |   |   |
| 1x IV: 1p                     | <a href="#">o0981531</a>  | ZATU622   |   |   |  |   |   |   |
| ZATU623<br>12B0A              |    | PC25<br>   |    |   |     |     |   |    |
| 11x IV: 3p/1u;<br>III: 5p/2u  | <a href="#">o0981532</a>  | ZATU623   |    |   |  |   |   |   |
| ZATU624~a<br>12B0B            |    | PC25<br>   |    |   |  |    |   |   |
| 6x III: 2p/3u                 | <a href="#">o0981533</a>  | ZATU624   |   |   |  |   |   |   |
| ZATU624~b<br>12B0C            |    | PC25<br>   |    |   |  |   |   |   |
| 5x III: 1p/4u                 | <a href="#">o0981534</a>  | ZATU624   |   |   |  |   |   |   |
| ZATU624~c                     |   | UNP<br>    |    |   |  |   |   |   |
| 1x III: 1u                    | <a href="#">o0981535</a>  | ZATU624   |   |   |  |   |   |   |
| ZATU625<br>12B0D              |    | PC25<br>   |    |   |    |   |   |    |
| 17x IV: 3p/1u;<br>III: 10p/3u | <a href="#">o0981536</a>  | ZATU625   |   |   |  |    |   |   |
| ZATU626~a<br>12B0E            |  | PC25<br> |  |   |  |   |   |   |
| 1x IV: 1p                     | <a href="#">o0981537</a>  | ZATU626   |   |   |  |   |   |   |
| ZATU626~b<br>12B0F            |  | PC25<br> |  |   |  |   |   |   |
| 1x IV: 1p                     | <a href="#">o0981538</a>  | ZATU626   |   |   |  |   |   |   |
| ZATU626~c<br>12B10            |  | PC25<br> |  |   |  |   |   |   |
| 1x IV: 1p                     | <a href="#">o0981539</a>  | ZATU626   |   |   |  |   |   |   |
| ZATU627                       |   | UNP<br>  |  |   |  |   |   |   |
| 1x IV: 1u                     | <a href="#">o0981540</a>  | ZATU627   |   |   |  |   |   |   |
| ZATU628~a<br>12B11            |  | PC25<br> |  |   |  |   |  |   |
| 30x III: 13p/15u              | <a href="#">o0981541</a>  | ZATU628   |  |   |  |   |   |   |
| ZATU628~b<br>12B12            |  | PC25<br> |  |   |  |   |   |  |
| 8x III: 1p/7u                 | <a href="#">o0981542</a>  | ZATU628   |   |   |  |   |   |   |
| ZATU629<br>12B13              |  | PC25<br> |  |   |  |   |   |   |
| 22x IV: 5p;<br>III: 6p/10u    | <a href="#">o0981543</a>  | ZATU629   |  |   |  |   |   |   |
| ZATU630<br>12B14              |  | PC25<br> |  |  |  |  |  |   |
| 8x IV: 5p/1u; III: 2p         | <a href="#">o0981544</a>  | ZATU630   |   |   |  |   |   |   |

| PCSL                          |   | FONT   | CDLI  | ATU3  | ATU5   | MSVO1   | MSVO4 | CUSAS |
|-------------------------------|---|--|---|---|--|---|-------|-------|
| ZATU631<br>12B15              |    | PC25<br>      |    |   |    |   |       |       |
| 6× IV: 4p; III: 2u            | <a href="#">o0981545</a>  | ZATU631  |   |   |  |   |       |       |
| ZATU632~a<br>12B16            |    | PC25<br>      |    |    |  |   |       |       |
| 4× IV: 1p/1u; III: 2u         | <a href="#">o0981546</a>  | ZATU632  | <sup>1</sup> F21DD  |   |  |   |       |       |
| ZATU632~b<br>12B17            |    | PC25<br>      |    |   |    |   |       |       |
| 1× IV: 1p                     | <a href="#">o0981547</a>  | ZATU632  |   |   |  |   |       |       |
| ZATU632~c                     |   | UNP  |    |    |  |   |       |       |
| 1× IV: 1u                     | <a href="#">o0981548</a>  | ZATU632  | F2491   |   |  |   |       |       |
| ZATU633~a<br>12B18            |    | PC25<br>      |    |    |  |    |       |       |
| 4× III: 3p/1u                 | <a href="#">o0981549</a>  | ZATU633  |   |   |  |   |       |       |
| ZATU633~b<br>12B19            |    | PC25<br>      |    |    |  |   |       |       |
| 4× III: 4p                    | <a href="#">o0981550</a>  | ZATU633  |   |   |  |   |       |       |
| ZATU634                       |   | UNP  |    |    |  |   |       |       |
| 1× IV: 1u                     | <a href="#">o0981551</a>  | ZATU634  | F2492   |   |  |   |       |       |
| ZATU635<br>12B1A              |    | PC25<br>      |    |    |    |   |       |       |
| 3× IV: 3p                     | <a href="#">o0981552</a>  | ZATU635  |   |   |  |   |       |       |
| ZATU636<br>12B1B              |  | PC25<br>    |  |  |  |   |       |       |
| 5× IV: 3p; III: 2u            | <a href="#">o0981553</a>  | ZATU636  | <sup>1</sup> F21DE<br>12B1B   |   |   |   |       |       |
| ZATU637<br>12B1C              |  | PC25<br>    |  |   |  |   |       |       |
| 2× IV: 1p; III: 1p            | <a href="#">o0981554</a>  | ZATU637  |   |   |  |   |       |       |
| ZATU639<br>12B1D              |  | PC25<br>    |  |  |  |   |       |       |
| 7× IV: 4p/1u; III: 2p         | <a href="#">o0981555</a>  | ZATU639  |   |   |  |   |       |       |
| ZATU640                       |   | PC25-bk<br> |  |  |  |   |       |       |
| 1× IV: 1p                     | <a href="#">o0981556</a>  | ZATU640  | F2493   |   |  |   |       |       |
| ZATU641<br>12B1E              |  | PC25<br>    |  |  |  |   |       |       |
| 1× IV: 1p                     | <a href="#">o0981557</a>  | ZATU641  |   |   |  |   |       |       |
| ZATU642<br>12B1F              |  | PC25<br>    |  |  |  |   |       |       |
| 2× IV: 2p                     | <a href="#">o0981558</a>  | ZATU642  |   |   |  |   |       |       |
| ZATU643<br>12B20              |  | PC25<br>    |  |  |  |   |       |       |
| 2× IV: 1p/1u                  | <a href="#">o0981559</a>  | ZATU643  |   |   |  |   |       |       |
| ZATU644~a<br>12B21            |  | PC25<br>    |  |  |  |  |       |       |
| 57× IV: 6p/3u;<br>III: 42p/2u | <a href="#">o0981560</a>  | ZATU644  |   |   |  |   |       |       |

| PCSL  | FONT               | CDLI  | ATU3  | ATU5  | MSVO1  | MSVO4   | CUSAS |
|---|--------------------|---|---|---|--|---|-------|
| <b>[ZATU644~a×1(N14)]</b><br>1× IV: 1u<br>o0981561                        | UNP<br>ZATU645     |    |                          |   |  |   |       |
| <b>ZATU644~b</b><br>12B22<br>10× IV: 2p/4u;<br>III: 2p/1u<br>o0981562     | PC25<br>ZATU644    |    |                          |    |    |   |       |
| <b>ZATU646</b><br>12B23<br>10× IV: 2p; III: 2p/6u<br>o0981563             | PC25<br>ZATU646    |    |                          |    |  |   |       |
| <b>ZATU647</b><br>12B24<br>73× IV: 3p;<br>III: 49p/14u<br>o0981564        | PC25<br>ZATU647    |    | <br>1 F21DF              |    |    |    |       |
| <b>ZATU648</b><br>12B25<br>53× IV: 2u;<br>III: 39p/12u<br>o0981565        | PC25<br>ZATU648    |    |                          |    |  |    |       |
| <b>ZATU649</b><br>12B26<br>44× III: 37p/7u<br>o0981566                    | PC25<br>ZATU649    |    | <br>1 F21E0              |    |  |    |       |
| <b>ZATU650</b><br>1× IV: 1p<br>o0981567                                   | PC25-bk<br>ZATU650 |    |                          |   |    |   |       |
| <b>ZATU651</b><br>12B27<br>17× IV: 11p/3u;<br>III: 2p/1u<br>o0981568      | PC25<br>ZATU651    |  | <br>1 F21E1<br>2 F21E2 |  |   |   |       |
| <b>[ZATU651×AN]</b><br>12B28<br>1× III: 1p<br>o0981569                    | PC25<br>ZATU652    |  |                        |  |  |   |       |
| <b>[ZATU651×EN~a]</b><br>12B29<br>29× III: 22p/6u<br>o0981570             | PC25<br>ZATU653    |  |                        |  |  |  |       |
| <b>[ZATU651×GAR]</b><br>12B2A<br>20× IV: 1p/2u;<br>III: 7p/9u<br>o0981571 | PC25<br>ZATU654    |  |                        |  |  |  |       |
| <b>[ZATU651×MA]</b><br>12B2B<br>1× IV: 1p<br>o0981572                     | PC25<br>ZATU655    |  |                        |  |  |   |       |
| <b>[ZATU651×NUN~a]</b><br>12B2C<br>12× IV: 1p;<br>III: 10p/1u<br>o0981573 | PC25<br>ZATU656    |  |                        |  |  |   |       |

| PCSL  | FONT             | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|------------------|------|------|------|-------|-------|-------|
| ZATU651×ŠE~a <br>1× III: 1u<br>o0981574 ZATU657   | UNP<br>F2497     |      |      |      |       |       |       |
| ZATU651×X <br>2× III: 2p<br>o0981575  | PC25-bk<br>F2496 |      |      |      |       |       |       |
| ZATU651×ZAR~c <br>12B2D<br>1× IV: 1p<br>o0981576  | PC25<br>12B2D    |      |      |      |       |       |       |
| ZATU651@g<br>12B2E<br>15× III: 8p/5u<br>o0981577 ZATU658  | PC25<br>12B2E    |      |      |      |       |       |       |
| ZATU659<br>12B2F<br>131×<br>IV: 13p/6u;<br>III: 69p/37u<br>o0981578 ZATU659   | PC25<br>12B2F    |      |      |      |       |       |       |
| ZATU659×1(N01) <br>12B30<br>20× III: 19p<br>o0981579  | PC25<br>12B30    |      |      |      |       |       |       |
| ZATU659×1(N14) <br>12B31<br>1× IV: 1p<br>o0981580 ZATU661   | PC25<br>12B31    |      |      |      |       |       |       |
| ZATU659×1(N58@t) <br>12B32<br>AKA:  ZATU659×1(N58@t) <br>CDLI:  ZATU659×1(N58@t) <br>1× III: 1p<br>o0981581 ZATU660 | PC25<br>12B32    |      |      |      |       |       |       |
| ZATU659@t<br>1×<br>o0981582   | UNP<br>F2542     |      |      |      |       |       |       |
| ZATU662<br>12B33<br>27× IV: 4p/6u;<br>III: 12p/1u<br>o0981583 ZATU662   | PC25<br>12B33    |      |      |      |       |       |       |
| ZATU662×1(N14) <br>12B34<br>11× IV: 4p/1u; III: 6p<br>o0981584 ZATU663  | PC25<br>12B34    |      |      |      |       |       |       |
| ZATU664<br>12B35<br>2× IV: 1p; III: 1p<br>o0981585 ZATU664  | PC25<br>12B35    |      |      |      |       |       |       |
| ZATU665<br>12B36<br>1× IV: 1p<br>o0981586 ZATU665   | PC25<br>12B36    |      |      |      |       |       |       |































































| PCSL               |          | FONT    | CDLI                           | ATU3 | ATU5  | MSVO1 | MSVO4 | CUSAS |
|--------------------|----------|---------|--------------------------------|------|-------|-------|-------|-------|
| ZATU666<br>12B37   |          | PC25    |                                |      |       |       |       |       |
| 1x IV: 1p          | o0981587 | ZATU666 | 12B37                          |      |       |       |       |       |
| ZATU667<br>12B38   |          | PC25    |                                |      |       |       |       |       |
| 1x IV: 1p          | o0981588 | ZATU667 | 12B38                          |      | 12B38 |       |       |       |
| ZATU668<br>12B39   |          | PC25    |                                |      |       |       |       |       |
| 1x IV: 1p          | o0981589 | ZATU668 | 12B39                          |      | 12B39 |       |       |       |
| ZATU669<br>12B3A   |          | PC25    |                                |      |       |       |       |       |
| 6x III: 3p/3u      | o0981590 | ZATU669 | 12B3A                          |      |       |       |       |       |
| ZATU670            |          | PC25-bk |                                |      |       |       |       |       |
| 1x IV: 1p          | o0981591 | ZATU670 | F2498                          |      | F2498 |       |       |       |
| ZATU672<br>12B3B   |          | PC25    |                                |      |       |       |       |       |
| 3x IV: 3p          | o0981592 | ZATU672 | 12B3B                          |      | 12B3B |       |       |       |
| ZATU674<br>12B3C   |          | PC25    |                                |      |       |       |       |       |
| 1x IV: 1p          | o0981593 | ZATU674 | 12B3C                          |      |       |       |       |       |
| ZATU675~a<br>12B3D |          | PC25    |                                |      |       |       |       |       |
| 1x IV: 1p          | o0981594 | ZATU675 | 12B3D                          |      | 12B3D |       |       |       |
| ZATU675~b<br>12B3E |          | PC25    |                                |      |       |       |       |       |
| 4x IV: 2p; III: 2p | o0981595 | ZATU675 | <sup>1</sup><br>F21E8<br>12B3E |      | 12B3E |       |       |       |
| ZATU675~c<br>12B3F |          | PC25    |                                |      |       |       |       |       |
| 2x IV: 2p          | o0981596 | ZATU675 | 12B3F                          |      | 12B3F |       |       |       |
| ZATU675~d<br>12B40 |          | PC25    |                                |      |       |       |       |       |
| 2x III: 2p         | o0981597 | ZATU675 | 12B40                          |      |       |       |       |       |
| ZATU676~a<br>12B41 |          | PC25    |                                |      |       |       |       |       |
| 8x III: 6p/2u      | o0981598 | ZATU676 | 12B41                          |      |       |       |       |       |
| ZATU676~b<br>12B42 |          | PC25    |                                |      |       |       |       |       |
| 7x III: 7p         | o0981599 | ZATU676 | 12B42                          |      |       |       |       |       |
| ZATU677~a<br>12B43 |          | PC25    |                                |      |       |       |       |       |
| 1x IV: 1p          | o0981600 | ZATU677 | 12B43                          |      | 12B43 |       |       |       |
| ZATU677~b<br>12B44 |          | PC25    |                                |      |       |       |       |       |
| 1x IV: 1p          | o0981601 | ZATU677 | 12B44                          |      | 12B44 |       |       |       |
| ZATU678<br>12B45   |          | PC25    |                                |      |       |       |       |       |
| 5x                 | o0981602 | ZATU678 | 12B45                          |      | 12B45 |       |       |       |

| PCSL                           |   | FONT  | CDLI  | ATU3  | ATU5  | MSVO1  | MSVO4   | CUSAS |
|--------------------------------|---|---|---|---|---|--|---|-------|
| ZATU679<br>12B46               |    | PC25<br>   |    |    |     |  |   |       |
| 8× IV: 4p/2u; III: 2p          | <a href="#">o0981603</a>  | ZATU679   |   |   |   |  |   |       |
| ZATU680~a1<br>12B47            |    | PC25<br>   |    |   |   |  |   |       |
| 1× IV: 1p                      | <a href="#">o0981604</a>  | ZATU680   |   |   |   |  |   |       |
| ZATU680~a2<br>12B48            |    | PC25<br>   |    |   |   |  |   |       |
| 1× IV: 1p                      | <a href="#">o0981605</a>  | ZATU680   |   |   |   |  |   |       |
| ZATU680~b<br>12B49             |    | PC25<br>   |    |    |     |  |   |       |
| 6× IV: 4p; III: 2p             | <a href="#">o0981606</a>  | ZATU680   |   |   |   |  |   |       |
| ZATU680~d<br>12B4A             |    | PC25<br>   |    |   |     |  |   |       |
| 1× IV: 1p                      | <a href="#">o0981607</a>  | ZATU680   |   |   |   |  |   |       |
| ZATU680~e<br>12B4B             |    | PC25<br>   |    |   |     |  |   |       |
| 1× IV: 1p                      | <a href="#">o0981608</a>  | ZATU680   |   |   |   |  |   |       |
| ZATU681<br>12B4C               |    | PC25<br>   |    |    |     |  |   |       |
| 10× IV: 1p; III: 7p            | <a href="#">o0981609</a>  | ZATU681   |   |   |   |  |   |       |
| ZATU682<br>12B4D               |    | PC25<br>   |    |   |   |   |   |       |
| 7× III: 4p/3u                  | <a href="#">o0981610</a>  | ZATU682   |   |   |   |  |   |       |
| ZATU683~a<br>12B4E             |  | PC25<br> |  |   |   |  |   |       |
| 1× IV: 1p                      | <a href="#">o0981611</a>  | ZATU683   |   |   |   |  |   |       |
| ZATU683~b<br>12B4F             |  | PC25<br> |  |   |   |  |   |       |
| 2× IV: 2p                      | <a href="#">o0981612</a>  | ZATU683   |   |   |   |  |   |       |
| ZATU683@t                      |   | UNP   |  |  |   |  |   |       |
| CDLI:  ZATU683@t               |   |   | F2499   |   |   |  |   |       |
| 1× III: 1u                     | <a href="#">o0981613</a>  |   |   |   |   |  |   |       |
| ZATU684<br>12B50               |  | PC25<br> |  |  |  |  |   |       |
| 2× III: 1p/1u                  | <a href="#">o0981614</a>  | ZATU684   |   |   |   |  |   |       |
| ZATU685<br>12B51               |  | PC25<br> |  |   |   |  |   |       |
| 1× IV: 1p                      | <a href="#">o0981615</a>  | ZATU685   |   |   |   |  |   |       |
| ZATU686~a<br>12B52             |  | PC25<br> |  |  |  |  |  |       |
| 40× IV: 1p/1u;<br>III: 24p/14u | <a href="#">o0981616</a>  | ZATU686   |   |   |   |  |   |       |
| ZATU686~b<br>12B53             |  | PC25<br> |  |   |   |  |  |       |
| 14× III: 9p/5u                 | <a href="#">o0981617</a>  | ZATU686   |   |   |   |  |   |       |
| ZATU686~c<br>12B54             |  | PC25<br> |  |  |  |  |   |       |
| 2× III: 2p                     | <a href="#">o0981618</a>  | ZATU686   |   |   |   |  |   |       |

| PCSL                        |                          | FONT     | CDLI     | ATU3 | ATU5     | MSVO1 | MSVO4 | CUSAS |
|-----------------------------|--------------------------|----------|----------|------|----------|-------|-------|-------|
| ZATU687<br>12B55            |                          | PC25<br> |          |      |          |       |       |       |
| 15× IV: 1p; III: 3p/9u      | <a href="#">o0981619</a> | ZATU687  |          |      |          |       |       |       |
| ZATU688~a<br>12B56          |                          | PC25<br> |          |      |          |       |       |       |
| 4× IV: 4p                   | <a href="#">o0981620</a> | ZATU688  |          |      |          |       |       |       |
| ZATU688~b<br>12B57          |                          | PC25<br> |          |      |          |       |       |       |
| 1× IV: 1p                   | <a href="#">o0981621</a> | ZATU688  |          |      |          |       |       |       |
| ZATU689<br>12B58            |                          | PC25<br> |          |      |          |       |       |       |
| 3× IV: 3p                   | <a href="#">o0981622</a> | ZATU689  |          |      |          |       |       |       |
| ZATU690<br>12B59            |                          | PC25<br> |          |      |          |       |       |       |
| 2× IV: 1p/1u                | <a href="#">o0981623</a> | ZATU690  |          |      |          |       |       |       |
| ZATU691<br>12B5A            |                          | PC25<br> |          |      |          |       |       |       |
| 1×                          | <a href="#">o0981624</a> | ZATU691  |          |      |          |       |       |       |
| ZATU692<br>12B5B            |                          | PC25<br> |          |      |          |       |       |       |
| 1× IV: 1p                   | <a href="#">o0981625</a> | ZATU692  |          |      |          |       |       |       |
| ZATU693<br>12B5C            |                          | PC25<br> |          |      |          |       |       |       |
| 31× IV: 27p/1u;<br>III: 1p  | <a href="#">o0981626</a> | ZATU693  | <br><br> |      | <br><br> |       |       |       |
| ZATU693~t<br>12B5D          |                          | PC25<br> | <br>     |      |          |       |       |       |
| 1× IV: 1p                   | <a href="#">o0981627</a> | ZATU693  |          |      |          |       |       |       |
| ZATU694~a<br>12B5E          |                          | PC25<br> |          |      |          |       |       |       |
| 3× IV: 3p                   | <a href="#">o0981628</a> | ZATU694  |          |      |          |       |       |       |
| ZATU694~b<br>12B5F          |                          | PC25<br> |          |      |          |       |       |       |
| 10× IV: 7p; III: 1p         | <a href="#">o0981629</a> | ZATU694  |          |      |          |       |       |       |
| ZATU694~c<br>12B60          |                          | PC25<br> |          |      |          |       |       |       |
| 74× IV: 2p;<br>III: 18p/53u | <a href="#">o0981630</a> | ZATU694  | <br>     |      |          |       |       |       |
| ZATU694~d<br>12B61          |                          | PC25<br> |          |      |          |       |       |       |
| 16× IV: 11p; III: 2p        | <a href="#">o0981631</a> | ZATU694  |          |      |          |       |       |       |
| ZATU694~d@t<br>12B62        |                          | PC25<br> |          |      |          |       |       |       |
| 2× IV: 2p                   | <a href="#">o0981632</a> | ZATU694  |          |      |          |       |       |       |



























































| PCSL  | FONT  | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|---|------|------|------|-------|-------|-------|
| ZATU694~e<br>o0981633 ZATU694   | ZERO<br>F252A                                     |      |      |      |       |       |       |
| ZATU695<br>12B63<br>5× IV: 4p; III: 1u<br>o0981634 ZATU695            | PC25<br>12B63                                     |      |      |      |       |       |       |
| ZATU696<br>12B64<br>5× IV: 1p; III: 4p<br>o0981635 ZATU696            | PC25<br>12B64                                     |      |      |      |       |       |       |
| ZATU697~a<br>12B65<br>34× IV: 9p;<br>III: 12p/12u<br>o0981636 ZATU697 | PC25<br>F21EE<br>F21EF<br>F21F0<br>12B65<br>F21F1 |      |      |      |       |       |       |
| ZATU697~b<br>12B66<br>7× IV: 3p/2u;<br>III: 1p/1u<br>o0981637 ZATU697 | PC25<br>12B66                                     |      |      |      |       |       |       |
| ZATU697~c<br>2× III: 2u<br>o0981638 ZATU697                           | UNP<br>F249A                                      |      |      |      |       |       |       |
| ZATU699~a<br>1× IV: 1u<br>o0981639 ZATU699                            | UNP<br>F249B                                      |      |      |      |       |       |       |
| ZATU699~b<br>12B67<br>1× IV: 1p<br>o0981640 ZATU699                   | PC25<br>12B67                                     |      |      |      |       |       |       |
| ZATU700<br>12B68<br>2×<br>o0981641 ZATU700                            | PC25<br>12B68                                     |      |      |      |       |       |       |
| ZATU701<br>12B69<br>1× IV: 1p<br>o0981642 ZATU701                     | PC25<br>12B69                                     |      |      |      |       |       |       |
| ZATU702<br>12B6A<br>3× IV: 1p; III: 2p<br>o0981643 ZATU702            | PC25<br>12B6A                                     |      |      |      |       |       |       |
| ZATU703<br>12B6B<br>21× IV: 3p;<br>III: 15p/3u<br>o0981644 ZATU703    | PC25<br>12B6B                                     |      |      |      |       |       |       |
| ZATU704<br>3× IV: 2p<br>o0981645 ZATU704                              | PC25-bk<br>F249C                                  |      |      |      |       |       |       |
| ZATU705<br>12B6C<br>1× IV: 1p<br>o0981646 ZATU705                     | PC25<br>12B6C                                     |      |      |      |       |       |       |

| PCSL                           |   | FONT   | CDLI   | ATU3  | ATU5   | MSVO1   | MSVO4   | CUSAS   |
|--------------------------------|---|--|--|---|--|---|---|---|
| ZATU706<br>12B6D               |    | PC25<br>      |   |   |  |   |   |   |
| 2× IV: 2p                      | <a href="#">o0981647</a>  | ZATU706  |  |   |  |   |   |   |
| ZATU707~a<br>12B6E             |    | PC25<br>      |   |    |  |   |   |   |
| 11× IV: 1u; III: 9p/1u         | <a href="#">o0981648</a>  | ZATU707  |  |   |  |   |   |   |
| ZATU707~b<br>12B6F             |    | PC25<br>      |   |   |  |   |   |   |
| 2× IV: 2p                      | <a href="#">o0981649</a>  | ZATU707  |  |   |  |   |   |   |
| ZATU708<br>12B70               |    | PC25<br>      |   |   |  |     |   |   |
| 2× IV: 1p; III: 1p             | <a href="#">o0981650</a>  | ZATU708  |  |   |  |   |   |   |
| ZATU709<br>12B71               |    | PC25<br>      |   |   |  |     |   |   |
| 1× IV: 1p                      | <a href="#">o0981651</a>  | ZATU709  |  |   |  |   |   |   |
| ZATU710<br>12B72               |    | PC25<br>      |   |   |  |   |    |  |
| 52× III: 46p/5u                | <a href="#">o0981652</a>  | ZATU710  | <br>1<br>F21F2<br><br>2<br>F21F3 |   |  |   |   |   |
| ZATU711<br>12B73               |    | PC25<br>     |   |   |  |    |   |   |
| 6× IV: 3p; III: 1p/1u          | <a href="#">o0981653</a>  | ZATU711  | <br>1<br>F21F4<br>            |   |  |   |   |   |
| [ZATU711*HI@g~a]<br>12B74      |  | PC25<br>    |   |   |  |   |   |   |
| 2× IV: 2p                      | <a href="#">o0981654</a>  | ZATU712  |  |   |  |   |   |   |
| [ZATU711*X]<br>12B74           |  | PC25-bk<br> |   |   |  |   |   |   |
| 1× IV: 1p                      | <a href="#">o0981655</a>  | ZATU712  |  |   |  |   |   |   |
| ZATU713<br>12B75               |  | PC25<br>    |   |   |  |   |   |   |
| 7× IV: 7p                      | <a href="#">o0981656</a>  | ZATU713  |  |   |  |   |   |   |
| ZATU714<br>12B76               |  | PC25<br>    |   |  |  |  |  |   |
| 40× IV: 2p/1u;<br>III: 26p/10u | <a href="#">o0981657</a>  | ZATU714  |  |   |  |   |   |   |
| [ZATU714.RU]<br>12B76          |  | PC25-sq<br> |   |   |  |   |   |   |
| 1× IV: 1p                      | <a href="#">o0981658</a>  | ZATU716  |  |   |  |   |   |   |
| [ZATU714*HI@g~a]<br>12B77      |  | PC25<br>    |   |   |  |   |  |   |
| 39× IV: 2p;<br>III: 32p/3u     | <a href="#">o0981659</a>  | ZATU715  |  |   |  |   |   |   |
| [ZATU714*X]<br>12B77           |  | PC25-bk<br> |   |   |  |   |   |   |
| 2× IV: 1p; III: 1u             | <a href="#">o0981660</a>  | ZATU715  |  |   |  |   |   |   |














































































| PCSL                          |          | FONT    | CDLI                           | ATU3                  | ATU5                               | MSVO1 | MSVO4 | CUSAS |
|-------------------------------|----------|---------|--------------------------------|-----------------------|------------------------------------|-------|-------|-------|
| ZATU717<br>12B78              |          | PC25    |                                |                       |                                    |       |       |       |
| 2× IV: 1p; III: 1p            | o0981661 | ZATU717 | 12B78                          | 12B78                 | 12B78                              |       |       |       |
| ZATU718<br>12B79              |          | PC25    |                                |                       |                                    |       |       |       |
| 16× III: 10p/5u               | o0981662 | ZATU718 | 12B79                          | 12B79                 | 12B79                              |       |       |       |
| ZATU719<br>12B7A              |          | PC25    |                                |                       |                                    |       |       |       |
| 4× III: 1p/3u                 | o0981663 | ZATU719 | 12B7A                          | 12B7A                 |                                    |       |       |       |
| ZATU720<br>12B7B              |          | PC25    |                                |                       |                                    |       |       |       |
| 20× IV: 17p/1u                | o0981664 | ZATU720 | 12B7B                          | 12B7B                 | 12B7B                              |       |       |       |
| ZATU721<br>12B7C              |          | PC25    |                                |                       |                                    |       |       |       |
| 2× IV: 2p                     | o0981665 | ZATU721 | 12B7C                          | 12B7C                 | 12B7C                              |       |       |       |
| ZATU722<br>12B7D              |          | PC25    |                                |                       |                                    |       |       |       |
| 3× IV: 2p; III: 1p            | o0981666 | ZATU722 | 12B7D                          | 12B7D                 | 12B7D                              | 12B7D |       |       |
| ZATU723<br>12B7E              |          | PC25    |                                |                       |                                    |       |       |       |
| 3× IV: 1p; III: 2p            | o0981667 | ZATU723 | 12B7E                          | 12B7E                 | 12B7E                              |       | 12B7E |       |
| ZATU724                       |          | PC25-bk |                                |                       |                                    |       |       |       |
| 3× IV: 1p; III: 2p            | o0981668 | ZATU724 | F249F                          | F249F                 | F249F                              |       | F249F |       |
| ZATU725<br>12B7F              |          | PC25    |                                |                       |                                    |       |       |       |
| 18× IV: 1p;<br>III: 16p/1u    | o0981669 | ZATU725 | <sup>1</sup><br>F21F5<br>12B7F | <sup>1</sup><br>F21F5 | F21F5                              |       |       |       |
| ZATU726~a<br>12B80            |          | PC25    |                                |                       |                                    |       |       |       |
| 1× IV: 1p                     | o0981670 | ZATU726 | <sup>1</sup><br>F21F6<br>12B80 |                       | <sup>1</sup><br>F21F6<br>12B80 (b) |       |       |       |
| ZATU726~c<br>12B81            |          | PC25    |                                |                       |                                    |       |       |       |
| 4× IV: 1p; III: 2p            | o0981671 | ZATU726 | 12B81                          | 12B81                 | 12B81                              |       |       |       |
| ZATU726~d<br>12B82            |          | PC25    |                                |                       |                                    |       |       |       |
| 23× IV: 6p/1u;<br>III: 13p/2u | o0981672 | ZATU726 | 12B82                          | 12B82                 | 12B82                              | 12B82 |       |       |
| ZATU727<br>12B83              |          | PC25    |                                |                       |                                    |       |       |       |
| 1×                            | o0981673 | ZATU727 | 12B83                          | 12B83                 | 12B83                              |       |       |       |
| ZATU728<br>12B84              |          | PC25    |                                |                       |                                    |       |       |       |
| 9× III: 5p/4u                 | o0981674 | ZATU728 | 12B84                          | 12B84                 |                                    |       |       |       |
| ZATU729<br>12B85              |          | PC25    |                                |                       |                                    |       |       |       |
| 7× IV: 6p; III: 1p            | o0981675 | ZATU729 | <sup>1</sup><br>F21F7<br>12B85 | <sup>1</sup><br>F21F7 | F21F7                              |       |       |       |

| PCSL                                 |                          | FONT          | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--------------------------------------|--------------------------|---------------|------|------|------|-------|-------|-------|
| ZATU730<br>12B86                     |                          | PC25<br>12B86 |      |      |      |       |       |       |
| 1× III: 1p                           | <a href="#">o0981676</a> | ZATU730       |      |      |      |       |       |       |
| ZATU732<br>12B87                     |                          | PC25<br>12B87 |      |      |      |       |       |       |
| 8× III: 8p                           | <a href="#">o0981677</a> | ZATU732       |      |      |      |       |       |       |
| ZATU733                              |                          | UNP<br>F24A0  |      |      |      |       |       |       |
| 1× III: 1u                           | <a href="#">o0981678</a> | ZATU733       |      |      |      |       |       |       |
| ZATU734<br>12B88                     |                          | PC25<br>12B88 |      |      |      |       |       |       |
| 1× IV: 1p                            | <a href="#">o0981679</a> | ZATU734       |      |      |      |       |       |       |
| ZATU735~a<br>12B89                   |                          | PC25<br>12B89 |      |      |      |       |       |       |
| 8× III: 5p/3u                        | <a href="#">o0981680</a> | ZATU735       |      |      |      |       |       |       |
| ZATU735~b<br>12B8A                   |                          | PC25<br>12B8A |      |      |      |       |       |       |
| 20× IV: 3p;<br>III: 14p/3u           | <a href="#">o0981681</a> | ZATU735       |      |      |      |       |       |       |
| ZATU735~c<br>12B8B                   |                          | PC25<br>12B8B |      |      |      |       |       |       |
| 1× III: 1p                           | <a href="#">o0981682</a> | ZATU735       |      |      |      |       |       |       |
| ZATU736~a<br>12B8C                   |                          | PC25<br>12B8C |      |      |      |       |       |       |
| 2× IV: 1p; III: 1p                   | <a href="#">o0981683</a> | ZATU736       |      |      |      |       |       |       |
| ZATU736~b<br>12B8D                   |                          | PC25<br>12B8D |      |      |      |       |       |       |
| 1× IV: 1p                            | <a href="#">o0981684</a> | ZATU736       |      |      |      |       |       |       |
| ZATU737<br>12B8E                     |                          | PC25<br>12B8E |      |      |      |       |       |       |
| 4× IV: 1p; III: 2p/1u                | <a href="#">o0981685</a> | ZATU737       |      |      |      |       |       |       |
| [ZATU737~AB~a]<br>12B8F              |                          | PC25<br>12B8F |      |      |      |       |       |       |
| 1× III: 1p                           | <a href="#">o0981686</a> | ZATU738       |      |      |      |       |       |       |
| [ZATU737~BU~a]<br>12B90              |                          | PC25<br>12B90 |      |      |      |       |       |       |
| 1× III: 1p                           | <a href="#">o0981687</a> |               |      |      |      |       |       |       |
| [ZATU737~BUR~a]<br>12B91             |                          | PC25<br>12B91 |      |      |      |       |       |       |
| AKA: GABURRA<br>15× IV: 1p; III: 14p | <a href="#">o0981688</a> | ZATU185       |      |      |      |       |       |       |























































| PCSL                               |                          | FONT                                      | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|------------------------------------|--------------------------|---|------|------|------|-------|-------|-------|
| ZATU737*DI <br>12B92               |                          | PC25<br>1<br>F2201<br>12B92               |      |      |      |       |       |       |
| 26× IV: 1p;<br>III: 22p/1u         | <a href="#">o0981689</a> | ZATU739                                   |      |      |      |       |       |       |
| ZATU737*E~a                        |                          | UNP<br>F24A1                              |      |      |      |       |       |       |
| 1× III: 1u                         | <a href="#">o0981690</a> |   |      |      |      |       |       |       |
| ZATU737*EN~a <br>12B93             |                          | PC25<br>12B93                             |      |      |      |       |       |       |
| 1× IV: 1p                          | <a href="#">o0981691</a> | ZATU740                                   |      |      |      |       |       |       |
| ZATU737*EN~b <br>12B94             |                          | PC25<br>12B94                             |      |      |      |       |       |       |
| 1×                                 | <a href="#">o0981692</a> | ZATU740                                   |      |      |      |       |       |       |
| ZATU737*GAR <br>12B95              |                          | PC25<br>12B95<br>1<br>F21FE<br>2<br>F21FF |      |      |      |       |       |       |
| AKA: ZATU741<br>5× IV: 2u; III: 3p | <a href="#">o0981693</a> | ZATU741                                   |      |      |      |       |       |       |
| ZATU737*I                          |                          | UNP<br>F251B                              |      |      |      |       |       |       |
| 1× III: 1u                         | <a href="#">o0981694</a> |   |      |      |      |       |       |       |
| ZATU737*NI~a@g <br>12B96           |                          | PC25<br>12B96<br>1<br>F2200               |      |      |      |       |       |       |
| 1× III: 1p                         | <a href="#">o0981695</a> |   |      |      |      |       |       |       |
| ZATU737*NIMGIR <br>12B97           |                          | PC25<br>12B97                             |      |      |      |       |       |       |
| 2× IV: 1p                          | <a href="#">o0981696</a> | ZATU742                                   |      |      |      |       |       |       |
| ZATU737*SAL <br>12B98              |                          | PC25<br>12B98                             |      |      |      |       |       |       |
| 33× IV: 1p/1u;<br>III: 17p/13u     | <a href="#">o0981697</a> | ZATU743                                   |      |      |      |       |       |       |
| ZATU737*SU~a <br>12B99             |                          | PC25<br>12B99                             |      |      |      |       |       |       |
| 2× IV: 1p; III: 1p                 | <a href="#">o0981698</a> | ZATU744                                   |      |      |      |       |       |       |
| ZATU737*ŠE~a <br>12B9A             |                          | PC25<br>12B9A                             |      |      |      |       |       |       |
| 1× IV: 1p                          | <a href="#">o0981699</a> | ZATU745                                   |      |      |      |       |       |       |
| ZATU737*ŠITA~a1 <br>12B9B          |                          | PC25<br>12B9B                             |      |      |      |       |       |       |
| 1× IV: 1p                          | <a href="#">o0981700</a> |   |      |      |      |       |       |       |
| ZATU737*ŠITA~b1@g                  |                          | EDI<br>F2517                              |      |      |      |       |       |       |
| CDLI:  ZATU737*ŠITA@g~a            | <a href="#">o0981701</a> | ZATU746                                   |      |      |      |       |       |       |
| ZATU737*U <sub>4</sub>  <br>12B9C  |                          | PC25<br>12B9C                             |      |      |      |       |       |       |
| 11× III: 9p/2u                     | <a href="#">o0981702</a> | ZATU747                                   |      |      |      |       |       |       |








































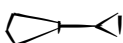
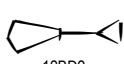










| PCSL                         |   | FONT    | CDLI  | ATU3  | ATU5  | MSVO1  | MSVO4   | CUSAS   |
|------------------------------|---|---------|---|---|---|--|---|---|
| ZATU737~UNUG~a <br>12B9D     |    | PC25    |    |    |   |    |   |   |
| 1× IV: 1p                    | <a href="#">o0981703</a>  | ZATU748 | 12B9D   |   | 12B9D   |  |   |   |
| ZATU737~X                    |   | PC25-bk |    |    |    |  |   |   |
| 14× III: 12p/2u              | <a href="#">o0981704</a>  |         | F24A2   |   | F24A2   |  |   |   |
| ZATU737~t~PAP~a              |   | UNP     |    |    |   |  |   |   |
| 1×                           | <a href="#">o0981705</a>  |         | F251A   |   |   |  |   |   |
| ZATU749~a<br>12B9E           |    | PC25    |    |    |   |  |   |   |
|                              |   |         | 12B9E   |   |   |  |   |   |
|                              |   |         | 1 F2202   |    |   |  |   |   |
|                              |   |         | 2 F2203   |    |   |  |   |   |
| 13× IV: 1p; III: 6p/5u       | <a href="#">o0981706</a>  | ZATU749 |   |   |   |  |   |   |
| ZATU749~b<br>12B9F           |    | PC25    |    |    |   |   |   |   |
| 19× IV: 1u; III: 8p/9u       | <a href="#">o0981707</a>  | ZATU749 | 12B9F   |   |   | 12B9F  |   |   |
| ZATU749~c<br>12BA0           |    | PC25    |    |    |   |  |   |   |
| 13× IV: 1p;<br>III: 11p/1u   | <a href="#">o0981708</a>  | ZATU749 | 12BA0   |   |   |  |   |   |
| ZATU750<br>12BA1             |    | PC25    |    |    |   |  |   |   |
|                              |   |         | 1 F2204   |   |   |  |   |   |
|                              |   |         | 2 F2205   |   |   |  |   |   |
|                              |   |         | 12BA1   |  |   |  |   |   |
|                              |   |         | 3 F2206   |  |  |  |  |  |
|                              |   |         | 4 F2207   |  |   |  |   |   |
|                              |   |         | 5 F2208   |  |   |  |   |   |
| 15× IV: 4p/2u;<br>III: 7p/2u | <a href="#">o0981709</a>  | ZATU750 |   |   |   |  |   |   |
| ZATU751~a<br>12BA2           |  | PC25    |  |  |   |  |   |   |
|                              |   |         | 12BA2   |   |  |  |  |  |
| 41× IV: 1p;<br>III: 34p/6u   | <a href="#">o0981710</a>  | ZATU751 | 1 F2209   |   | 12BA2   |  | 12BA2   | 12BA2   |
| ZATU751~b<br>12BA3           |  | PC25    |  |  |   |  |   |   |
|                              |   |         | 12BA3   |   |  |  |   |  |
| 5× III: 5p                   | <a href="#">o0981711</a>  | ZATU751 | 1 F220A   |   | F220A   |  |   | 12BA3   |
| ZATU751~c<br>12BA4           |  | PC25    |  |  |   |  |   |   |
| 1× III: 1p                   | <a href="#">o0981712</a>  |         | 12BA4   |   |   |  |   |   |
| ZATU752<br>12BA5             |  | PC25    |  |  |   |  |   |   |
|                              |   |         | 1 F220B   |  |  |  |  |  |
| 129×                         |   |         | 12BA5   |  | 12BA5   | F220B  | 12BA5   | 12BA5   |
| IV: 12p/1u;<br>III: 79p/30u  | <a href="#">o0981713</a>  | ZATU752 |   |   |   |  |   |   |

















































| PCSL  |                          | FONT    | CDLI  | ATU3  | ATU5           | MSVO1 | MSVO4 | CUSAS |
|---|--------------------------|---------|---|-------|----------------|-------|-------|-------|
| ZATU753<br>12BA6  |                          | PC25    |   |       |                |       |       |       |
| 231×<br>IV: 22p/16u;<br>III: 147p/37u                     | <a href="#">o0981714</a> | ZATU753 | 12BA6   | 12BA6 | 12BA6          | 12BA6 | 12BA6 |       |
| ZATU754<br>12BA7  |                          | PC25    |   |       |                |       |       |       |
| 3× IV: 2p   | <a href="#">o0981715</a> | ZATU754 | 12BA7   |       | 12BA7          |       |       |       |
| ZATU755~a<br>12BA8  |                          | PC25    |   |       |                |       |       |       |
| 2× IV: 2p   | <a href="#">o0981716</a> | ZATU755 | 12BA8   |       | 12BA8          |       |       |       |
| ZATU755~b<br>12BA9  |                          | PC25    |   |       |                |       |       |       |
| 3× IV: 1p; III: 2p  | <a href="#">o0981717</a> | ZATU755 | 12BA9   |       |                |       |       |       |
| ZATU756<br>12BAA  |                          | PC25    |   |       |                |       |       |       |
| 19× IV: 1u;<br>III: 11p/7u                                | <a href="#">o0981718</a> | ZATU756 | <sup>1</sup> F220C<br>12BAA                       |       |                |       | F220C |       |
| ZATU757<br>12BAB  |                          | PC25    |   |       |                |       |       |       |
| 5× IV: 1u; III: 2p/2u                                     | <a href="#">o0981719</a> | ZATU757 | <sup>1</sup> F220D<br>12BAB<br><sup>2</sup> F220E |       |                |       | F220E |       |
| ZATU758<br>12BAC  |                          | PC25    |   |       |                |       |       |       |
| 26× IV: 17p/1u;<br>III: 3p/1u                             | <a href="#">o0981720</a> | ZATU758 | 12BAC   | 12BAC | 12BAC          |       |       |       |
| ZATU759<br>12BAD  |                          | PC25    |   |       |                |       |       |       |
| 47× IV: 7p/2u;<br>III: 27p/8u                             | <a href="#">o0981721</a> | ZATU759 | <sup>1</sup> F220F<br>12BAD                       |       | F220F<br>12BAD | 12BAD | 12BAD |       |
| ZATU759×KU <sub>6</sub> ~a <br>12BAE                      |                          | PC25    |   |       |                |       |       |       |
| 32× IV: 2p/1u;<br>III: 14p/6u                             | <a href="#">o0981722</a> | ZATU760 | 12BAE   | 12BAE | 12BAE          |       |       | 12BAE |
| ZATU759×(KU <sub>6</sub> ~a+KU <sub>6</sub> ~a) <br>12BAF |                          | PC25    |   |       |                |       |       |       |
| 1× III: 1p  | <a href="#">o0981723</a> |         | 12BAF   |       |                |       |       |       |
| ZATU759×KU <sub>6</sub> ~d                                |                          | UNP     |   |       |                |       |       |       |
| 1× IV: 1u   | <a href="#">o0981724</a> | ZATU760 | F24A3   |       |                |       |       |       |
| ZATU759×X   |                          | PC25-bk |   |       |                |       |       |       |
| 2× IV: 1p   | <a href="#">o0981725</a> |         | F24A4   |       |                |       |       |       |
| ZATU759@t×X   |                          | PC25-bk |   |       |                |       |       |       |
| 1× III: 1p  | <a href="#">o0981726</a> |         | F24A5   |       |                |       |       |       |

| PCSL                          |  | FONT  | CDLI  | ATU3  | ATU5  | MSVO1  | MSVO4   | CUSAS |
|-------------------------------|--|---|---|---|---|--|---|-------|
| ZATU761                       | UNP  |  |    |   |   |  |   |       |
| 1× III: 1u                    |  o0981727   | ZATU761   | F24A6   |   |   |  |   |       |
| ZATU762~a<br>12BB0            |             | PC25  | <br><sup>1</sup> F2210<br><br><sup>2</sup> F2211<br> | <br><br> |   |    |   |       |
| 7× IV: 2p/2u; III: 1p         |  o0981728   | ZATU762   | 12BB0   |   |   |  |   |       |
| [ZATU762~a×NIM~a]<br>12BB1    |             | PC25  |    |    |   |    |   |       |
| 2× IV: 1p/1u                  |  o0981729   | ZATU763   | 12BB1   |   |   |  |   |       |
| ZATU762~b<br>12BB2            |             | PC25  |    |    |   |    |   |       |
| 5× IV: 3p/1u                  |  o0981730   | ZATU762   | 12BB2   |   |   |  |   |       |
| [ZATU762~b×AB~a]<br>12BB3     |             | PC25  |    |    |   |    |   |       |
| 1×                            |  o0981731   | ZATU163   | 12BB3   |   |   |  |   |       |
| ZATU764<br>12BB4              |             | PC25  |    |    |   |    |   |       |
| 21× IV: 4p/2u;<br>III: 10p/3u |  o0981732   | ZATU764   | 12BB4   |   |   |  |   |       |
| ZATU765<br>12BB5              |             | PC25  |    |    |   |    |   |       |
| 1×                            |  o0981733   | ZATU765   | 12BB5   |   |   |  |   |       |
| ZATU766<br>12BB6              |           | PC25  |    |    |  |  |   |       |
| 1× IV: 1p                     |  o0981734 | ZATU766   | 12BB6   |   |   |  |   |       |
| ZATU767<br>12BB7              |           | PC25  |    |    |   |  |   |       |
| 1× IV: 1p                     |  o0981735 | ZATU767   | 12BB7   |   |   |  |   |       |
| ZATU768                       |  | PC25-bk   |    |    |   |  |   |       |
| 1× IV: 1p                     |  o0981736 | ZATU768   | F24A7   |   |   |  |   |       |
| ZATU769                       |  | PC25-bk   |    |    |   |  |   |       |
| 1× III: 1p                    |  o0981737 | ZATU769   | F24A8   |   |   |  |   |       |
| ZATU771                       |  | PC25-bk   |    |    |   |  |   |       |
| 1× IV: 1p                     |  o0981738 | ZATU771   | F24A9   |   |   |  |   |       |
| ZATU772<br>12BB8              |           | PC25  |    |    |   |  |   |       |
| 1× III: 1p                    |  o0981739 | ZATU772   | 12BB8   |   |   |  |   |       |
| ZATU773~a<br>12BB9            |           | PC25  | <br><br><sup>1</sup> F2212  | <br>  |   |  |  |       |
| 50× IV: 1u;<br>III: 38p/10u   |  o0981740 | ZATU773   | 12BB9   |   |   |  |   |       |
| ZATU773~b<br>12BBA            |           | PC25  | <br><br><sup>1</sup> F2213  |    |   |  |  |       |
| 8× IV: 1p; III: 2p/3u         |  o0981741 | ZATU773   | 12BBA   |   |   |  |   |       |

















































| PCSL                       |   | FONT    | CDLI  | ATU3  | ATU5  | MSVO1   | MSVO4   | CUSAS |
|----------------------------|---|---------|---|---|---|---|---|-------|
| ZATU774<br>12BBB           |    | PC25    |    |    |   |   |   |       |
| 1× III: 1p                 | <a href="#">o0981742</a>  | ZATU774 | 12BBB   |   |   |   |   |       |
| ZATU775<br>12BBC           |    | PC25    |    |    |   |   |   |       |
| 1× III: 1p                 | <a href="#">o0981743</a>  | ZATU775 | 12BBC   |   |   |   |   |       |
| ZATU776<br>12BBD           |    | PC25    | <br><br> | <br><br> |   |  |    |       |
| 20× IV: 3p;<br>III: 13p/4u | <a href="#">o0981744</a>  | ZATU776 | F2214<br>F2215  |   |   | F2215   | 12BBD   |       |
| ZATU777<br>12BBE           |    | PC25    | <br><br> | <br><br> |    |   |    |       |
| 18× III: 15p/3u            | <a href="#">o0981745</a>  | ZATU777 | F2216<br>F2217  |   | F2216   |   | F2216   |       |
| ZATU778<br>12BBF           |    | PC25    |    |    |   |   |   |       |
| 4× III: 2p/2u              | <a href="#">o0981746</a>  | ZATU778 | 12BBF   |   |   |   |   |       |
| ZATU779                    |   | ZERO    |   |   |   |   |   |       |
|                            | <a href="#">o0981747</a>  | ZATU779 | F24AA   |   |   |   |   |       |
| ZATU780<br>12BC0           |  | PC25    |    |    |   |   |   |       |
| 2× IV: 2p                  | <a href="#">o0981748</a>  | ZATU780 | 12BC0   |   |   |   |   |       |
| ZATU781<br>12BC1           |  | PC25    |    |    |   |   |   |       |
| 1× III: 1p                 | <a href="#">o0981749</a>  | ZATU781 | 12BC1   |   |   |   |   |       |
| ZATU782<br>12BC2           |  | PC25    |    |    |   |   |   |       |
| 3× III: 3p                 | <a href="#">o0981750</a>  | ZATU782 | 12BC2   |   |   |   |   |       |
| ZATU783<br>12BC3           |  | PC25    |    |    |   |   |   |       |
| 2× III: 1p/1u              | <a href="#">o0981751</a>  | ZATU783 | 12BC3   |   |   |   |   |       |
| ZATU784<br>12BC4           |  | PC25    |    |    |   |   |   |       |
| 1× III: 1p                 | <a href="#">o0981752</a>  | ZATU784 | 12BC4   |   |   |   |   |       |
| ZATU785                    |   | PC25-bk |    |    |   |   |   |       |
| 1× III: 1p                 | <a href="#">o0981753</a>  | ZATU785 | F24AB   |   |   |   |   |       |
| ZATU786<br>12BC5           |  | PC25    |    |    |  |   |   |       |
| 9× IV: 1u; III: 5p/3u      | <a href="#">o0981754</a>  | ZATU786 | 12BC5   |   | 12BC5   |   |   |       |
| ZATU787<br>12BC6           |  | PC25    |    |    |   |   |  |       |
| 1× III: 1p                 | <a href="#">o0981755</a>  | ZATU787 | 12BC6   |   |   |   | 12BC6   |       |










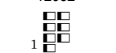


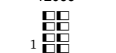






















| PCSL               |   | FONT          | CDLI  | ATU3  | ATU5  | MSVO1   | MSVO4   | CUSAS |
|--------------------|---|---------------|---|---|---|---|---|-------|
| ZATU788<br>12BC7   |    | PC25<br>12BC7 |    |   |   |   |    |       |
| 27× III: 27p       | <a href="#">o0981756</a>  | ZATU788       |   |   |   |   |   |       |
| ZATU789            |   | ZERO          |    |    |   |   |   |       |
|                    | <a href="#">o0981757</a>  | ZATU789       | F24AC   |   |   |   |   |       |
| ZATU791<br>12BC8   |    | PC25<br>12BC8 |    |    |   |   |   |       |
| 2× IV: 1u; III: 1p | <a href="#">o0981758</a>  | ZATU791       |   |   |   |   |   |       |
| ZATU792<br>12BC9   |    | PC25<br>12BC9 |    |    |   |   |   |       |
| 1× III: 1p         | <a href="#">o0981759</a>  | ZATU792       |   |   |   |   |   |       |
| ZATU795<br>12BCA   |    | PC25<br>12BCA |    |    |   |   |   |       |
| 23× III: 6p/17u    | <a href="#">o0981760</a>  | ZATU795       |   |   |   |   |   |       |
| ZATU797<br>12BCB   |    | PC25<br>12BCB |    |    |   |    |   |       |
| 2× III: 1p/1u      | <a href="#">o0981761</a>  | ZATU797       |   |   |   |   |   |       |
| ZATU798<br>12BCC   |    | PC25<br>12BCC |    |    |   |    |   |       |
| 1× III: 1p         | <a href="#">o0981762</a>  | ZATU798       |   |   |   |   |   |       |
| ZATU799<br>12BCD   |    | PC25<br>12BCD |    |    |   |    |   |       |
| 3× III: 1p/2u      | <a href="#">o0981763</a>  | ZATU799       |   |   |   |   |   |       |
| ZATU800<br>12BCE   |  | PC25<br>12BCE |  |  |   |  |   |       |
| 2× III: 2p         | <a href="#">o0981764</a>  | ZATU800       |   |   |   |   |   |       |
| ZATU801<br>12BCF   |  | PC25<br>12BCF |  |  |   |   |   |       |
| 4× III: 4p         | <a href="#">o0981765</a>  | ZATU801       |   |   |   |   |   |       |
| ZATU802<br>12BD0   |  | PC25<br>12BD0 |  |  |   |   |   |       |
| 1× IV: 1p          | <a href="#">o0981766</a>  | ZATU802       |   |   |   |   |   |       |
| ZATU802-b<br>12BD1 |  | PC25<br>12BD1 |  |   |   |   |  |       |
| 1× III: 1p         | <a href="#">o0981767</a>  | ZATU802       |   |   |   |   |   |       |
| ZATU803<br>12BD2   |  | PC25<br>12BD2 |  |  |   |   |   |       |
| 1× IV: 1p          | <a href="#">o0981768</a>  | ZATU803       |   |   |   |   |   |       |
| ZATU804<br>12BD3   |  | PC25<br>12BD3 |  |  |   |   |   |       |
| 1× IV: 1p          | <a href="#">o0981769</a>  | ZATU804       |   |   |   |   |   |       |
| ZATU805            |   | UNP           |  |  |   |   |   |       |
| 2× III: 2u         | <a href="#">o0981770</a>  | ZATU805       | F24AD   |   |   |   |   |       |
| ZATU806<br>12BD4   |  | PC25<br>12BD4 |  |  |  |   |   |       |
| 1× III: 1p         | <a href="#">o0981771</a>  | ZATU806       |   |   |   |   |   |       |

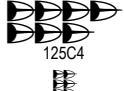

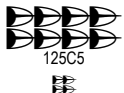

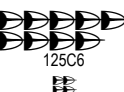























| PCSL                  |   | FONT    | CDLI  | ATU3  | ATU5 | MSVO1  | MSVO4 | CUSAS |
|-----------------------|---|---------|---|---|------|--|-------|-------|
| ZATU807<br>12BD5      |    | PC25    |    |    |      |  |       |       |
| 1× IV: 1p             | <a href="#">o0981772</a>  | ZATU807 | 12BD5   |   |      |  |       |       |
| ZATU808<br>12BD6      |    | PC25    |    |    |      |  |       |       |
| 1× III: 1p            | <a href="#">o0981773</a>  | ZATU808 | 12BD6   |   |      |  |       |       |
| ZATU809<br>12BD7      |    | PC25    |    |    |      |  |       |       |
| 7× III: 6p            | <a href="#">o0981774</a>  | ZATU809 | 12BD7   |   |      |  |       |       |
| ZATU810<br>12BD8      |    | PC25    |    |    |      |  |       |       |
| 1× III: 1p            | <a href="#">o0981775</a>  | ZATU810 | 12BD8   |   |      |  |       |       |
| ZATU811<br>12BD9      |    | PC25    |    |    |      |   |       |       |
| 7× IV: 1p; III: 2p/4u | <a href="#">o0981776</a>  | ZATU811 | 12BD9   |   |      | 12BD9  |       |       |
| ZATU812<br>12BDA      |    | PC25    |    |    |      |   |       |       |
| 1× III: 1p            | <a href="#">o0981777</a>  | ZATU812 | 12BDA   |   |      | 12BDA  |       |       |
| ZATU813<br>12BDB      |    | PC25    |    |    |      |  |       |       |
| 1× III: 1p            | <a href="#">o0981778</a>  | ZATU813 | 12BDB   |   |      |  |       |       |
| ZATU814               |   | UNP     |   |   |      |  |       |       |
| 1× III: 1u            | <a href="#">o0981779</a>  | ZATU814 | F24AE   |   |      |  |       |       |
| ZATU815               |   | UNP     |  |  |      |  |       |       |
| 1× III: 1u            | <a href="#">o0981780</a>  | ZATU815 | F24AF   |   |      |  |       |       |
| ZATU817               |   | PC25-bk |  |  |      |  |       |       |
| 1× IV: 1p             | <a href="#">o0981781</a>  | ZATU817 | F24B0   |   |      | F24B0  |       |       |
| ZATU818               |   | PC25-bk |  |  |      |  |       |       |
| 1× IV: 1p             | <a href="#">o0981782</a>  | ZATU818 | F24B1   |   |      | F24B1  |       |       |
| ZATU819<br>12BDC      |  | PC25    |  |  |      |  |       |       |
| 7× III: 1p/6u         | <a href="#">o0981783</a>  | ZATU819 | 12BDC   |   |      |  |       |       |
| ZATU820               |   | UNP     |  |  |      |  |       |       |
| 1× III: 1u            | <a href="#">o0981784</a>  | ZATU820 | F24B2   |   |      |  |       |       |
| ZATU821               |   | UNP     |  |  |      |  |       |       |
| 7× III: 7u            | <a href="#">o0981785</a>  | ZATU821 | F24B3   |   |      |  |       |       |
| ZATU822               |   | UNP     |  |  |      |  |       |       |
| 1× III: 1u            | <a href="#">o0981786</a>  | ZATU822 | F24B4   |   |      |  |       |       |
| ZATU823               |   | UNP     |  |  |      |  |       |       |
| 3× III: 3u            | <a href="#">o0981787</a>  | ZATU823 | F24B5   |   |      |  |       |       |
| ZATU824               |   | UNP     |  |  |      |  |       |       |
| 2× III: 2u            | <a href="#">o0981788</a>  | ZATU824 | F24B6   |   |      |  |       |       |
| ZATU825               |   | UNP     |  |  |      |  |       |       |
| 2× III: 2u            | <a href="#">o0981789</a>  | ZATU825 | F24B7   |   |      |  |       |       |

| PCSL             |                          |         | FONT           | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|------------------|--------------------------|---------|----------------|------|------|------|-------|-------|-------|
| ZATU826          |                          | UNP     |                |      |      |      |       |       |       |
| 2× III: 2u       | <a href="#">o0981790</a> | ZATU826 | F24B8          |      |      |      |       |       |       |
| ZATU829          |                          | UNP     |                |      |      |      |       |       |       |
| 1× III: 1u       | <a href="#">o0981791</a> | ZATU829 | F24B9          |      |      |      |       |       |       |
| ZATU831          |                          | UNP     |                |      |      |      |       |       |       |
| 2× III: 2u       | <a href="#">o0981792</a> | ZATU831 | F24BA          |      |      |      |       |       |       |
| ZATU831@g        |                          | UNP     |                |      |      |      |       |       |       |
| CDLI:  ZATU831@g |                          |         |                |      |      |      |       |       |       |
| 2× III: 2u       | <a href="#">o0981793</a> |         | F24BB          |      |      |      |       |       |       |
| ZATU832<br>12BDD |                          | PC25    |                |      |      |      |       |       |       |
| 3× III: 1p/2u    | <a href="#">o0981794</a> | ZATU832 | 12BDD          |      |      |      |       |       |       |
| ZATU833<br>12BDE |                          | PC25    |                |      |      |      |       |       |       |
| 1× IV: 1p        | <a href="#">o0981795</a> | ZATU833 | 12BDE          |      |      |      |       |       |       |
| ZATU834<br>12BDF |                          | PC25    |                |      |      |      |       |       |       |
| 1× IV: 1p        | <a href="#">o0981796</a> | ZATU834 | 12BDF          |      |      |      |       |       |       |
| ZATU835<br>12BE0 |                          | PC25    |                |      |      |      |       |       |       |
| 1× III: 1p       | <a href="#">o0981797</a> | ZATU835 | 12BE0          |      |      |      |       |       |       |
| ZATU836<br>12BE1 |                          | PC25    |                |      |      |      |       |       |       |
| 2× III: 1p/1u    | <a href="#">o0981798</a> | ZATU836 | 12BE1          |      |      |      |       |       |       |
| ZATU837~a        |                          | UNP     |                |      |      |      |       |       |       |
| 3× III: 3u       | <a href="#">o0981799</a> | ZATU837 | F24BC          |      |      |      |       |       |       |
| ZATU837~b        |                          | UNP     |                |      |      |      |       |       |       |
| 1× III: 1u       | <a href="#">o0981800</a> | ZATU837 | F24BD          |      |      |      |       |       |       |
| ZATU838          |                          | UNP     |                |      |      |      |       |       |       |
| 3× III: 3u       | <a href="#">o0981801</a> | ZATU838 | F24BE          |      |      |      |       |       |       |
| ZATU839          |                          | UNP     |                |      |      |      |       |       |       |
| 6× III: 6u       | <a href="#">o0981802</a> | ZATU839 | F2218<br>F2219 |      |      |      |       |       |       |
| ZATU840          |                          | UNP     |                |      |      |      |       |       |       |
| 1× III: 1u       | <a href="#">o0981803</a> | ZATU840 | F24BF          |      |      |      |       |       |       |
| ZATU841          |                          | UNP     |                |      |      |      |       |       |       |
| 2× III: 2u       | <a href="#">o0981804</a> | ZATU841 | F24C0          |      |      |      |       |       |       |
| ZATU842          |                          | UNP     |                |      |      |      |       |       |       |
| 1×               | <a href="#">o0981805</a> | ZATU842 | F24C1          |      |      |      |       |       |       |
| ZATU843          |                          | UNP     |                |      |      |      |       |       |       |
| 1× III: 1u       | <a href="#">o0981806</a> | ZATU843 | F24C2          |      |      |      |       |       |       |
| ZATU844          |                          | UNP     |                |      |      |      |       |       |       |
| 1× IV: 1u        | <a href="#">o0981807</a> | ZATU844 | F24C3          |      |      |      |       |       |       |

































| PCSL                |                          | FONT  | CDLI  | ATU3  | ATU5 | MSVO1 | MSVO4 | CUSAS   |
|---------------------|--------------------------|---|---|---|------|-------|-------|---|
| ZATU845             | UNP                      |    |    |   |      |       |       |   |
| 1× III: 1u          | <a href="#">o0981808</a> | ZATU845   | F24C4   |   |      |       |       |   |
| ZATU846             | UNP                      |    |    |   |      |       |       |   |
| 1× III: 1u          | <a href="#">o0981809</a> | ZATU846   | F24C5   |   |      |       |       |   |
| ZATU847<br>12BE2    | PC25                     |    |    |    |      |       |       |   |
| 6× III: 2p/4u       | <a href="#">o0981810</a> | ZATU847   | 12BE2   |   |      |       |       |   |
| ZATU848             | UNP                      |    |    |   |      |       |       |   |
| 1× III: 1u          | <a href="#">o0981811</a> | ZATU848   | F24C6   |   |      |       |       |   |
| ZATU849             | UNP                      |    |    |   |      |       |       |   |
| 2× III: 2u          | <a href="#">o0981812</a> | ZATU849   | F24C7   |   |      |       |       |   |
| ZATU850<br>12BE3    | PC25                     |    |    |    |      |       |       |   |
| 4× III: 4p          | <a href="#">o0981813</a> | ZATU850   | 12BE3   |   |      |       |       |   |
| ZATU851<br>12BE4    | PC25                     |    |    |    |      |       |       |    |
| 1× III: 1p          | <a href="#">o0981814</a> | ZATU851   | 12BE4<br>F221A  |   |      |       |       | F221A   |
| ZATU852             | UNP                      |    |    |   |      |       |       |   |
| 1× III: 1u          | <a href="#">o0981815</a> | ZATU852   | F24C8   |   |      |       |       |   |
| ZATU853             | UNP                      |   |   |   |      |       |       |   |
| 3× III: 3u          | <a href="#">o0981816</a> | ZATU853   | F24C9   |   |      |       |       |   |
| ZATU854<br>12BE5    | PC25                     |  |  |  |      |       |       |   |
| 1× III: 1p          | <a href="#">o0981817</a> | ZATU854   | 12BE5   |   |      |       |       |   |
| ZATU855             | UNP                      |  |  |   |      |       |       |   |
| 1× III: 1u          | <a href="#">o0981818</a> | ZATU855   | F24CA   |   |      |       |       |   |
| ZATU856             | UNP                      |  |  |   |      |       |       |   |
| 1× III: 1u          | <a href="#">o0981819</a> | ZATU856   | F2522   |   |      |       |       |   |
| ZATU857             | UNP                      |  |  |   |      |       |       |   |
| 1× III: 1u          | <a href="#">o0981820</a> | ZATU857   | F2524   |   |      |       |       |   |
| ZATU858<br>12BE6    | PC25                     |  |  |  |      |       |       |   |
| 1× III: 1p          | <a href="#">o0981821</a> | ZATU858   | 12BE6   |   |      |       |       |   |
| ZATU859<br>12BE7    | PC25                     |  |  |   |      |       |       |  |
| 1× III: 1p          | <a href="#">o0981822</a> | ZATU859   | 12BE7   |   |      |       |       | 12BE7   |
| 2(LAGAB~a)<br>12BE8 | PC25                     |  |  |  |      |       |       |   |
| 4× III: 2p          | <a href="#">o0981823</a> |   | 12BE8   |   |      |       |       |   |
| 3(LAGAB~a)<br>12BE9 | PC25                     |  |  |  |      |       |       |   |
| 1× III: 1p          | <a href="#">o0981824</a> |   | 12BE9   |   |      |       |       |   |
| 4(LAGAB~a)<br>12BEA | PC25                     |  |  |  |      |       |       |   |
| 2× III: 1p          | <a href="#">o0981825</a> |   | 12BEA   |   |      |       |       |   |


| PCSL  | FONT | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|------|------|------|------|-------|-------|-------|
| 5(LAGAB~a)<br>NUM<br>o0981826                                       |      |      |      |      |       |       |       |
| 6(LAGAB~a)<br>12BEB<br>1x III: 1p<br>o0981827                       |      |      |      |      |       |       |       |
| 1(N01)<br>12971x<br>IV: 1368p/317u;<br>III: 8655p/2277u<br>o0981828 |      |      |      |      |       |       |       |
| 2(N01)<br>3138x<br>IV: 568p/168u;<br>III: 1457p/763u<br>o0981829    |      |      |      |      |       |       |       |
| 3(N01)<br>1630x<br>IV: 308p/78u;<br>III: 708p/438u<br>o0981830      |      |      |      |      |       |       |       |
| 4(N01)<br>1151x<br>IV: 213p/65u;<br>III: 519p/269u<br>o0981831      |      |      |      |      |       |       |       |
| 5(N01)<br>1326x<br>IV: 240p/65u;<br>III: 666p/267u<br>o0981832      |      |      |      |      |       |       |       |
| 6(N01)<br>597x<br>IV: 125p/41u;<br>III: 240p/146u<br>o0981833       |      |      |      |      |       |       |       |
| 7(N01)<br>379x<br>IV: 79p/22u;<br>III: 152p/98u<br>o0981834         |      |      |      |      |       |       |       |
| 8(N01)<br>364x<br>IV: 61p/29u;<br>III: 169p/80u<br>o0981835         |      |      |      |      |       |       |       |
| 9(N01)<br>247x<br>IV: 53p/15u;<br>III: 94p/62u<br>o0981836          |      |      |      |      |       |       |       |
| 10(N01)<br>2x III: 2p<br>o0981837                                   |      |      |      |      |       |       |       |
| 1(N01@f)<br>11x III: 11p<br>o0981838                                |      |      |      |      |       |       |       |
| 2(N01@f)<br>3x III: 3p<br>o0981839                                  |      |      |      |      |       |       |       |
| 3(N01@f)<br>1x<br>o0981840  |      |      |      |      |       |       |       |

| PCSL                                 |                                  | FONT  | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--------------------------------------|----------------------------------|---|---|------|------|-------|-------|-------|
| 4(N01@f)                             | ACN                              | <br>1264F  |    |      |      |       |       |       |
| 1×                                   | <a href="#">o0981841</a>         |   |   |      |      |       |       |       |
| 5(N01@f)                             | ACN                              | <br>12650<br><br>1<br>F205E     |    |      |      |       |       |       |
| 1× III: 1p                           | <a href="#">o0981842</a>         |   |   |      |      |       |       |       |
| 6(N01@f)                             | ACN                              | <br>12651<br><br>1<br>F205F     |    |      |      |       |       |       |
| 1× IV: 1u                            | <a href="#">o0981843</a>         |   |   |      |      |       |       |       |
| 7(N01@f)                             | ACN                              | <br>12652<br><br>1<br>F2060     |    |      |      |       |       |       |
|                                      | <a href="#">o0981844</a>         |   |   |      |      |       |       |       |
| 8(N01@f)                             | ACN                              | <br>12653<br><br>1<br>F2061     |    |      |      |       |       |       |
| 1×                                   | <a href="#">o0981845</a>         |   |   |      |      |       |       |       |
| 9(N01@f)                             | ACN                              | <br>12654<br><br>1<br>F2062     |    |      |      |       |       |       |
|                                      | <a href="#">o0981846</a>         |   |   |      |      |       |       |       |
| 1(N01@r)                             | ACN                              | <br>12589  |  |      |      |       |       |       |
| CDLI:  1(N01@r) <br>2× IV: 1p        | <a href="#">o0981847</a>         |   |   |      |      |       |       |       |
| 1(N02)                               | ACN                              | <br>125BE  |  |      |      |       |       |       |
| 165×<br>IV: 45p/10u;<br>III: 71p/38u | <a href="#">o0981848</a> ZATU606 |   |   |      |      |       |       |       |
| 2(N02)                               | ACN                              | <br>125BF<br><br>1<br>F2029 |  |      |      |       |       |       |
| 99× IV: 28p/20u;<br>III: 39p/10u     | <a href="#">o0981849</a>         |   |   |      |      |       |       |       |
| 3(N02)                               | ACN                              | <br>125C0<br><br>1<br>F202A |  |      |      |       |       |       |
| 44× IV: 15p/1u;<br>III: 17p/9u       | <a href="#">o0981850</a>         |   |   |      |      |       |       |       |
| 4(N02)                               | ACN                              | <br>125C1  |  |      |      |       |       |       |
| 30× IV: 3p/4u;<br>III: 19p/1u        | <a href="#">o0981851</a>         |   |   |      |      |       |       |       |
| 5(N02)                               | ACN                              | <br>125C2<br><br>1<br>F202B |  |      |      |       |       |       |
| 24× IV: 8p/1u;<br>III: 5p/9u         | <a href="#">o0981852</a>         |   |   |      |      |       |       |       |
| 6(N02)                               | ACN                              | <br>125C3<br><br>1<br>F202C |  |      |      |       |       |       |
| 15× IV: 2p/1u;<br>III: 10p/1u        | <a href="#">o0981853</a>         |   |   |      |      |       |       |       |





































| PCSL     |                          | FONT   | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|----------|--------------------------|--|---|------|------|-------|-------|-------|
| 7(N02)   | ACN                      | <br>125C4<br>1<br>F202D   |    |      |      |       |       |       |
| 5×       | IV: 2p/1u; III: 2p       | <a href="#">o0981854</a>   |   |      |      |       |       |       |
| 8(N02)   | ACN                      | <br>125C5<br>1<br>F202E   |    |      |      |       |       |       |
| 5×       | IV: 3p; III: 2p          | <a href="#">o0981855</a>   |   |      |      |       |       |       |
| 9(N02)   | ACN                      | <br>125C6<br>1<br>F202F   |    |      |      |       |       |       |
| 5×       | IV: 2p/1u; III: 1p/1u    | <a href="#">o0981856</a>   |   |      |      |       |       |       |
| 1(N03)   | ACN                      | <br>125EF                 |    |      |      |       |       |       |
| 68×      | IV: 2p/1u; III: 63p/2u   | <a href="#">o0981857</a>   |   |      |      |       |       |       |
| 2(N03)   | ACN                      | <br>125F0<br>1<br>F2036   |    |      |      |       |       |       |
| 40×      | IV: 2p; III: 35p/2u      | <a href="#">o0981858</a>   |   |      |      |       |       |       |
| 3(N03)   | ACN                      | <br>125F1<br>1<br>F2037   |    |      |      |       |       |       |
| 34×      | IV: 1p; III: 30p/1u      | <a href="#">o0981859</a>   |   |      |      |       |       |       |
| 4(N03)   | ACN                      | <br>125F2                |   |      |      |       |       |       |
| 19×      | IV: 1p; III: 16p/2u      | <a href="#">o0981860</a>   |   |      |      |       |       |       |
| 5(N03)   | ACN                      | <br>125F3<br>1<br>F2038 |  |      |      |       |       |       |
| 8×       | III: 8p                  | <a href="#">o0981861</a>   |   |      |      |       |       |       |
| 1(N04)   | ACN                      | <br>12606               |  |      |      |       |       |       |
| 145×     | IV: 2p/1u; III: 117p/22u | <a href="#">o0981862</a>   | ZATU618   |      |      |       |       |       |
| 2(N04)   | ACN                      | <br>12607<br>1<br>F203E |  |      |      |       |       |       |
| 66×      | IV: 1p; III: 62p/1u      | <a href="#">o0981863</a>   |   |      |      |       |       |       |
| 3(N04)   | ACN                      | <br>12608<br>1<br>F203F |  |      |      |       |       |       |
| 58×      | IV: 1p/1u; III: 52p/4u   | <a href="#">o0981864</a>   |   |      |      |       |       |       |
| 4(N04)   | ACN                      | <br>12609               |  |      |      |       |       |       |
| 36×      | IV: 1p; III: 32p/2u      | <a href="#">o0981865</a>   |   |      |      |       |       |       |
| 5(N04)   | ACN                      | <br>1260A<br>1<br>F2040 |  |      |      |       |       |       |
| 26×      | IV: 1u; III: 22p/3u      | <a href="#">o0981866</a>   |   |      |      |       |       |       |
| 1(N04@f) | ACN                      | <br>12676               |  |      |      |       |       |       |
|          |                          | <a href="#">o0981867</a>   |   |      |      |       |       |       |











































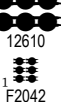

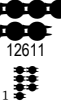

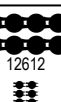

















| PCSL                                |     | FONT   | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|-------------------------------------|-----|--|---|------|------|-------|-------|-------|
| 2(N04@f)                            | ACN | <br>12677   |    |      |      |       |       |       |
|                                     |     | <br>F2073   |   |      |      |       |       |       |
|                                     |     | <a href="#">o0981868</a>   |   |      |      |       |       |       |
| 3(N04@f)                            | ACN | <br>12678   |    |      |      |       |       |       |
|                                     |     | <a href="#">o0981869</a>   |   |      |      |       |       |       |
| 4(N04@f)                            | ACN | <br>12679   |    |      |      |       |       |       |
|                                     |     | <a href="#">o0981870</a>   |   |      |      |       |       |       |
| 5(N04@f)                            | ACN | <br>1267A   |    |      |      |       |       |       |
|                                     |     | <br>F2074   |   |      |      |       |       |       |
|                                     |     | <a href="#">o0981871</a>   |   |      |      |       |       |       |
| 1(N05)                              | ACN | <br>12631   |    |      |      |       |       |       |
| 104×<br>IV: 10p/1u;<br>III: 75p/11u |     | <a href="#">o0981872</a>   |   |      |      |       |       |       |
| 2(N05)                              | ACN | <br>12632   |    |      |      |       |       |       |
| 62× IV: 7p/1u;<br>III: 45p/6u       |     | <br>F2052   |   |      |      |       |       |       |
|                                     |     | <a href="#">o0981873</a>   |   |      |      |       |       |       |
| 3(N05)                              | ACN | <br>12633   |    |      |      |       |       |       |
| 42× IV: 4p;<br>III: 30p/8u          |     | <br>F2053   |   |      |      |       |       |       |
|                                     |     | <a href="#">o0981874</a>   |   |      |      |       |       |       |
| 4(N05)                              | ACN | <br>12634   |    |      |      |       |       |       |
| 41× IV: 3p;<br>III: 33p/5u          |     | <a href="#">o0981875</a>   |   |      |      |       |       |       |
| 5(N05)                              | ACN | <br>12635   |    |      |      |       |       |       |
| 29× IV: 2p;<br>III: 21p/6u          |     | <br>F2054 |   |      |      |       |       |       |
|                                     |     | <a href="#">o0981876</a>   |   |      |      |       |       |       |
| 1(N06)                              | ACN | <br>125D1 |  |      |      |       |       |       |
| 10× III: 5p/4u                      |     | <a href="#">o0981877</a>   |   |      |      |       |       |       |
| 2(N06)                              | ACN | <br>125D2 |   |      |      |       |       |       |
|                                     |     | <a href="#">o0981878</a>   |   |      |      |       |       |       |
| 3(N06)                              | ACN | <br>125D3 |   |      |      |       |       |       |
|                                     |     | <a href="#">o0981879</a>   |   |      |      |       |       |       |
| 4(N06)                              | ACN | <br>125D4 |   |      |      |       |       |       |
|                                     |     | <a href="#">o0981880</a>   |   |      |      |       |       |       |
| 5(N06)                              | ACN | <br>125D5 |   |      |      |       |       |       |
|                                     |     | <a href="#">o0981881</a>   |   |      |      |       |       |       |
| 6(N06)                              | ACN | <br>125D6 |   |      |      |       |       |       |
|                                     |     | <a href="#">o0981882</a>   |   |      |      |       |       |       |
| 7(N06)                              | ACN | <br>125D7 |   |      |      |       |       |       |
|                                     |     | <a href="#">o0981883</a>   |   |      |      |       |       |       |
| 8(N06)                              | ACN | <br>125D8 |   |      |      |       |       |       |
|                                     |     | <a href="#">o0981884</a>   |   |      |      |       |       |       |

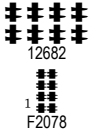




























| PCSL                                  |                          | FONT  | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---------------------------------------|--------------------------|---|---|------|------|-------|-------|-------|
| <b>9(N06)</b>                         | ACN                      | <br>125D9            |   |      |      |       |       |       |
|                                       | <a href="#">o0981885</a> |   |   |      |      |       |       |       |
| <b>1(N07A)</b>                        | ACN                      | <br>12646            |    |      |      |       |       |       |
| AKA: 1(N07~a)<br>15× IV: 15p          | <a href="#">o0981886</a> |   |   |      |      |       |       |       |
| <b>2(N07A)</b>                        | ACN                      | <br>12647            |    |      |      |       |       |       |
| AKA: 2(N07~a)<br>12× IV: 11p; III: 1p | <a href="#">o0981887</a> |   |   |      |      |       |       |       |
| <b>3(N07A)</b>                        | ACN                      | <br>12648            |    |      |      |       |       |       |
| AKA: 3(N07~a)<br>9× IV: 9p            | <a href="#">o0981888</a> |   |   |      |      |       |       |       |
| <b>1(N07B)</b>                        | ACN                      | <br>12649            |    |      |      |       |       |       |
| AKA: 1(N07~b)<br>4× IV: 4p            | <a href="#">o0981889</a> |   |   |      |      |       |       |       |
| <b>2(N07B)</b>                        | ACN                      | <br>1264A            |    |      |      |       |       |       |
| AKA: 2(N07~b)<br>3× IV: 3p            | <a href="#">o0981890</a> |   |   |      |      |       |       |       |
| <b>3(N07B)</b>                        | ACN                      | <br>1264B            |    |      |      |       |       |       |
| AKA: 3(N07~b)<br>3× IV: 2p/1u         | <a href="#">o0981891</a> |   |   |      |      |       |       |       |
| <b>1(N08)</b>                         | ACN                      | <br>12559            |    |      |      |       |       |       |
| 287×<br>IV: 36p/5u;<br>III: 141p/74u  | <a href="#">o0981892</a> |   |   |      |      |       |       |       |
| <b>2(N08)</b>                         | ACN                      | <br>1255A          |  |      |      |       |       |       |
| 35× IV: 6p;<br>III: 22p/6u            | <a href="#">o0981893</a> |   |   |      |      |       |       |       |
| <b>3(N08)</b>                         | ACN                      | <br>1255B          |  |      |      |       |       |       |
| 31× IV: 1p/1u;<br>III: 17p/11u        | <a href="#">o0981894</a> |   |   |      |      |       |       |       |
| <b>4(N08)</b>                         | ACN                      | <br>1255C<br>F2007 |  |      |      |       |       |       |
| 20× IV: 2p;<br>III: 13p/3u            | <a href="#">o0981895</a> |   |   |      |      |       |       |       |
| <b>5(N08)</b>                         | ACN                      | <br>1255D          |  |      |      |       |       |       |
| 23× IV: 1p/1u;<br>III: 14p/6u         | <a href="#">o0981896</a> |   |   |      |      |       |       |       |
| <b>6(N08)</b>                         | ACN                      | <br>1255E          |  |      |      |       |       |       |
| 10× IV: 1u; III: 8p/1u                | <a href="#">o0981897</a> |   |   |      |      |       |       |       |
| <b>7(N08)</b>                         | ACN                      | <br>1255F          |  |      |      |       |       |       |
| 5× III: 4p/1u                         | <a href="#">o0981898</a> |   |   |      |      |       |       |       |
| <b>8(N08)</b>                         | ACN                      | <br>12560          |  |      |      |       |       |       |
| 7× III: 7p                            | <a href="#">o0981899</a> |   |   |      |      |       |       |       |
| <b>9(N08)</b>                         | ACN                      | <br>12561          |  |      |      |       |       |       |
| 3× IV: 1p; III: 2p                    | <a href="#">o0981900</a> |   |   |      |      |       |       |       |
| <b>1(N08~b)</b>                       | NUM                      | #<br>F00F5  |  |      |      |       |       |       |
| 1× III: 1u                            | <a href="#">o0981901</a> |   |   |      |      |       |       |       |








































| PCSL  | FONT                    | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|-------------------------|------|------|------|-------|-------|-------|
| <b>2(N08~b)</b><br>4× III: 1p/3u<br>o0981902                            | PC25<br>F00F6           |      |      |      |       |       |       |
| <b>3(N08~b)</b><br>1× III: 1u<br>o0981903                               | NUM<br>F00F7            |      |      |      |       |       |       |
| <b>4(N08~b)</b><br>1× III: 1u<br>o0981904                               | NUM<br>F00F8            |      |      |      |       |       |       |
| <b>4(N08~c)</b><br>1× III: 1u<br>o0981905                               | NUM<br>F00F9            |      |      |      |       |       |       |
| <b>1(N08~v)</b><br>1× III: 1u<br>o0982197                               | NUM<br>F00FA            |      |      |      |       |       |       |
| <b>1(N08@f)</b><br>o0981907   | ACN<br>12655            |      |      |      |       |       |       |
| <b> 1(N08@f)×1(N57) </b><br>o0981908                                    | NUM<br>F012C            |      |      |      |       |       |       |
| <b>1(N09)</b><br>18× IV: 18p<br>o0981909                                | ACN<br>12643            |      |      |      |       |       |       |
| <b>1(N11)</b><br>4× IV: 4p<br>o0981910                                  | ACN<br>12644            |      |      |      |       |       |       |
| <b>1(N12)</b><br>1× IV: 1p<br>o0981911                                  | ACN<br>12645            |      |      |      |       |       |       |
| <b>1(N14)</b><br>2594×<br>IV: 443p/186u;<br>III: 1314p/491u<br>o0981912 | ACN<br>ZATU564<br>12562 |      |      |      |       |       |       |
| <b>2(N14)</b><br>1375×<br>IV: 241p/91u;<br>III: 645p/293u<br>o0981913   | ACN<br>12563            |      |      |      |       |       |       |
| <b>3(N14)</b><br>807×<br>IV: 129p/50u;<br>III: 429p/151u<br>o0981914    | ACN<br>12564            |      |      |      |       |       |       |
| <b>4(N14)</b><br>530×<br>IV: 91p/29u;<br>III: 262p/113u<br>o0981915     | ACN<br>12565            |      |      |      |       |       |       |
| <b>5(N14)</b><br>386×<br>IV: 25p/19u;<br>III: 226p/77u<br>o0981916      | ACN<br>12566<br>F2008   |      |      |      |       |       |       |
| <b>6(N14)</b><br>100×<br>IV: 12p/3u;<br>III: 62p/21u<br>o0981917        | ACN<br>12567<br>F2009   |      |      |      |       |       |       |
| <b>7(N14)</b><br>79× IV: 5p;<br>III: 53p/17u<br>o0981918                | ACN<br>12568<br>F200A   |      |      |      |       |       |       |
| <b>8(N14)</b><br>72× IV: 4p;<br>III: 61p/4u<br>o0981919                 | ACN<br>12569<br>F200B   |      |      |      |       |       |       |

| PCSL                       |                          | FONT | CDLI   | ATU3  | ATU5 | MSVO1 | MSVO4 | CUSAS |
|----------------------------|--------------------------|------|--|---|------|-------|-------|-------|
| 9(N14)                     |                          | ACN  | <br>1256A   |    |      |       |       |       |
| 43× III: 38p/4u            | <a href="#">o0981920</a> |      | <br>F200C   |   |      |       |       |       |
| 10(N14)                    |                          | PC25 | <br>F00DB   |    |      |       |       |       |
| 2×                         | <a href="#">o0981921</a> |      |  |   |      |       |       |       |
| 11(N14)                    |                          | PC25 | <br>F00DC   |   |      |       |       |       |
| 1×                         | <a href="#">o0981922</a> |      |  |   |      |       |       |       |
| 12(N14)                    |                          | OOR5 | <br>F00DD   |    |      |       |       |       |
| 1×                         | <a href="#">o0981923</a> |      |  |   |      |       |       |       |
| 22(N14)                    |                          | PC25 | <br>F00DE   |   |      |       |       |       |
| 1×                         | <a href="#">o0981924</a> |      |  |   |      |       |       |       |
| 1(N14@f)                   |                          | ACN  | <br>12656   |    |      |       |       |       |
| 1× IV: 1u                  | <a href="#">o0981925</a> |      |  |   |      |       |       |       |
| 2(N14@f)                   |                          | ACN  | <br>12657   |    |      |       |       |       |
|                            | <a href="#">o0981926</a> |      |  |   |      |       |       |       |
| 3(N14@f)                   |                          | ACN  | <br>12658   |    |      |       |       |       |
| 2× IV: 1u                  | <a href="#">o0981927</a> |      |  |   |      |       |       |       |
| 4(N14@f)                   |                          | ACN  | <br>12659   |    |      |       |       |       |
|                            | <a href="#">o0981928</a> |      |  |   |      |       |       |       |
| 5(N14@f)                   |                          | ACN  | <br>1265A |  |      |       |       |       |
|                            | <a href="#">o0981929</a> |      | <br>F2063 |   |      |       |       |       |
| 6(N14@f)                   |                          | ACN  | <br>1265B |  |      |       |       |       |
|                            | <a href="#">o0981930</a> |      | <br>F2064 |   |      |       |       |       |
| 7(N14@f)                   |                          | ACN  | <br>1265C |  |      |       |       |       |
|                            | <a href="#">o0981931</a> |      | <br>F2065 |   |      |       |       |       |
| 8(N14@f)                   |                          | ACN  | <br>1265D |  |      |       |       |       |
|                            | <a href="#">o0981932</a> |      | <br>F2066 |   |      |       |       |       |
| 9(N14@f)                   |                          | ACN  | <br>1265E |  |      |       |       |       |
|                            | <a href="#">o0981933</a> |      | <br>F2067 |   |      |       |       |       |
| 10(N14@f)                  |                          | OOR  | <br>F00DF |  |      |       |       |       |
|                            | <a href="#">o0981934</a> |      |  |   |      |       |       |       |
| 1(N15)                     |                          | ACN  | <br>125C7 |  |      |       |       |       |
| 13× IV: 1p;<br>III: 10p/2u | <a href="#">o0981935</a> |      |  |   |      |       |       |       |







































| PCSL                          |                          | FONT  | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|-------------------------------|--------------------------|---|---|------|------|-------|-------|-------|
| 2(N15)                        | ACN                      |    |    |      |      |       |       |       |
| 8× IV: 1p; III: 5p/2u         | <a href="#">o0981936</a> | 125C8   |   |      |      |       |       |       |
| 3(N15)                        | ACN                      |    |    |      |      |       |       |       |
| 4× IV: 1p; III: 2p/1u         | <a href="#">o0981937</a> | 125C9   |   |      |      |       |       |       |
| 4(N15)                        | ACN                      |    |    |      |      |       |       |       |
| 1× III: 1u                    | <a href="#">o0981938</a> | 125CA   |   |      |      |       |       |       |
| 5(N15)                        | ACN                      |    |    |      |      |       |       |       |
| 3× III: 3p                    | <a href="#">o0981939</a> | 125CB<br>F2030  |   |      |      |       |       |       |
| 1(N16)                        | ACN                      |    |    |      |      |       |       |       |
| 9× IV: 1p; III: 6p/1u         | <a href="#">o0981940</a> | F00FB   |   |      |      |       |       |       |
| 1(N17)                        | ACN                      |    |    |      |      |       |       |       |
| 1× III: 1p                    | <a href="#">o0981941</a> | F00FC   |   |      |      |       |       |       |
| 1(N18)                        | ACN                      |    |    |      |      |       |       |       |
| 19× IV: 3p/1u;<br>III: 15p    | <a href="#">o0981942</a> | 125F4   |   |      |      |       |       |       |
| 2(N18)                        | ACN                      |    |    |      |      |       |       |       |
| 14× III: 13p/1u               | <a href="#">o0981943</a> | 125F5   |   |      |      |       |       |       |
| 3(N18)                        | ACN                      |    |    |      |      |       |       |       |
| 6× III: 6p                    | <a href="#">o0981944</a> | 125F6   |   |      |      |       |       |       |
| 4(N18)                        | ACN                      |   |   |      |      |       |       |       |
| 2× III: 2p                    | <a href="#">o0981945</a> | 125F7   |   |      |      |       |       |       |
| 5(N18)                        | ACN                      |  |  |      |      |       |       |       |
| 3× III: 3p                    | <a href="#">o0981946</a> | 125F8<br>F2039  |   |      |      |       |       |       |
| 6(N18)                        | ACN                      |  |  |      |      |       |       |       |
| 2× IV: 1p; III: 1p            | <a href="#">o0981947</a> | 125F9<br>F203A  |   |      |      |       |       |       |
| 7(N18)                        | ACN                      |  |  |      |      |       |       |       |
| 1× III: 1p                    | <a href="#">o0981948</a> | 125FA<br>F203B  |   |      |      |       |       |       |
| 8(N18)                        | ACN                      |  |  |      |      |       |       |       |
| 2× III: 2p                    | <a href="#">o0981949</a> | 125FB<br>F203C  |   |      |      |       |       |       |
| 9(N18)                        | ACN                      |  |  |      |      |       |       |       |
| 2× III: 2p                    | <a href="#">o0981950</a> | 125FC<br>F203D  |   |      |      |       |       |       |
| 1(N19)                        | ACN                      |  |  |      |      |       |       |       |
| 87× IV: 2p/1u;<br>III: 77p/6u | <a href="#">o0981951</a> | 1260B   |   |      |      |       |       |       |






























| PCSL                          |                          | FONT  | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|-------------------------------|--------------------------|---|---|------|------|-------|-------|-------|
| <b>2(N19)</b>                 | ACN                      |    |    |      |      |       |       |       |
| 81× IV: 4p/1u;<br>III: 69p/6u | <a href="#">o0981952</a> |   |   |      |      |       |       |       |
| <b>3(N19)</b>                 | ACN                      |    |    |      |      |       |       |       |
| 52× IV: 2p;<br>III: 47p/3u    | <a href="#">o0981953</a> |   |   |      |      |       |       |       |
| <b>4(N19)</b>                 | ACN                      |    |    |      |      |       |       |       |
| 33× III: 29p/4u               | <a href="#">o0981954</a> |   |   |      |      |       |       |       |
| <b>5(N19)</b>                 | ACN                      |    |    |      |      |       |       |       |
| 40× III: 33p/4u               | <a href="#">o0981955</a> |   |   |      |      |       |       |       |
| <b>6(N19)</b>                 | ACN                      |    |    |      |      |       |       |       |
| 20× III: 18p/2u               | <a href="#">o0981956</a> |   |   |      |      |       |       |       |
| <b>7(N19)</b>                 | ACN                      |    |    |      |      |       |       |       |
| 22× IV: 1p;<br>III: 18p/2u    | <a href="#">o0981957</a> |   |   |      |      |       |       |       |
| <b>8(N19)</b>                 | ACN                      |    |    |      |      |       |       |       |
| 16× III: 14p/2u               | <a href="#">o0981958</a> |   |   |      |      |       |       |       |
| <b>9(N19)</b>                 | ACN                      |   |   |      |      |       |       |       |
| 10× III: 9p/1u                | <a href="#">o0981959</a> |   |   |      |      |       |       |       |
| <b>1(N19@f)</b>               | ACN                      |  |  |      |      |       |       |       |
|                               | <a href="#">o0981960</a> |   |   |      |      |       |       |       |
| <b>2(N19@f)</b>               | ACN                      |  |  |      |      |       |       |       |
|                               | <a href="#">o0981961</a> |   |   |      |      |       |       |       |
| <b>3(N19@f)</b>               | ACN                      |  |  |      |      |       |       |       |
|                               | <a href="#">o0981962</a> |   |   |      |      |       |       |       |
| <b>4(N19@f)</b>               | ACN                      |  |  |      |      |       |       |       |
|                               | <a href="#">o0981963</a> |   |   |      |      |       |       |       |
| <b>5(N19@f)</b>               | ACN                      |  |  |      |      |       |       |       |
|                               | <a href="#">o0981964</a> |   |   |      |      |       |       |       |
| <b>6(N19@f)</b>               | ACN                      |  |  |      |      |       |       |       |
|                               | <a href="#">o0981965</a> |   |   |      |      |       |       |       |
| <b>7(N19@f)</b>               | ACN                      |  |  |      |      |       |       |       |
|                               | <a href="#">o0981966</a> |   |   |      |      |       |       |       |



























| PCSL                           |     | FONT  | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--------------------------------|-----|---|---|------|------|-------|-------|-------|
| 8(N19@f)                       | ACN |    |    |      |      |       |       |       |
|                                |     | o0981967  |   |      |      |       |       |       |
| 9(N19@f)                       | ACN |    |    |      |      |       |       |       |
|                                |     | o0981968  |   |      |      |       |       |       |
| 1(N20)                         | ACN |    |    |      |      |       |       |       |
| 62× IV: 11p;<br>III: 45p/5u    |     | o0981969  |   |      |      |       |       |       |
| 2(N20)                         | ACN |    |    |      |      |       |       |       |
| 50× IV: 7p/1u;<br>III: 29p/13u |     | o0981970  |   |      |      |       |       |       |
| 3(N20)                         | ACN |    |    |      |      |       |       |       |
| 24× IV: 3p;<br>III: 17p/3u     |     | o0981971  |   |      |      |       |       |       |
| 4(N20)                         | ACN |    |    |      |      |       |       |       |
| 17× IV: 2p;<br>III: 11p/4u     |     | o0981972  |   |      |      |       |       |       |
| 5(N20)                         | ACN |    |    |      |      |       |       |       |
| 12× IV: 1p; III: 5p/6u         |     | o0981973  |   |      |      |       |       |       |
| 6(N20)                         | ACN |  |  |      |      |       |       |       |
| 9× III: 8p/1u                  |     | o0981974  |   |      |      |       |       |       |
| 7(N20)                         | ACN |  |  |      |      |       |       |       |
| 4× IV: 1p; III: 3p             |     | o0981975  |   |      |      |       |       |       |
| 8(N20)                         | ACN |  |  |      |      |       |       |       |
| 6× III: 4p/2u                  |     | o0981976  |   |      |      |       |       |       |
| 9(N20)                         | ACN |  |  |      |      |       |       |       |
| 5× IV: 1p; III: 4p             |     | o0981977  |   |      |      |       |       |       |
| 1(N21)                         | ACN |  |   |      |      |       |       |       |
|                                |     | o0981978  |   |      |      |       |       |       |
| 2(N21)                         | ACN |  |  |      |      |       |       |       |
| 5× III: 5p                     |     | o0981979  |   |      |      |       |       |       |
| 3(N21)                         | ACN |  |  |      |      |       |       |       |
| 9× III: 8p/1u                  |     | o0981980  |   |      |      |       |       |       |
| 4(N21)                         | ACN |  |  |      |      |       |       |       |
| 4× III: 4p                     |     | o0981981  |   |      |      |       |       |       |












































| PCSL  |                          | FONT  | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|--------------------------|---|---|------|------|-------|-------|-------|
| 5(N21)  | ACN                      |    |    |      |      |       |       |       |
| 2× III: 2p  | <a href="#">o0981982</a> |    |    |      |      |       |       |       |
| 6(N21)  | PC25                     |    |    |      |      |       |       |       |
| 1× IV: 1p   | <a href="#">o0981983</a> |   |   |      |      |       |       |       |
| 1(N22)  | ACN                      |    |    |      |      |       |       |       |
| 89× IV: 2p;<br>III: 45p/41u                                 | <a href="#">o0981984</a> |   |   |      |      |       |       |       |
| 2(N22)  | ACN                      |    |    |      |      |       |       |       |
| 56× IV: 1p;<br>III: 31p/23u                                 | <a href="#">o0981985</a> |   |   |      |      |       |       |       |
| 1(N22~v)  | PC25                     |    |   |      |      |       |       |       |
| 1× III: 1p  | <a href="#">o0981986</a> |   |   |      |      |       |       |       |
| 1(N22@f)  | ACN                      |    |    |      |      |       |       |       |
|   | <a href="#">o0981987</a> |   |   |      |      |       |       |       |
| 2(N22@f)  | ACN                      |    |    |      |      |       |       |       |
|   | <a href="#">o0981988</a> |   |   |      |      |       |       |       |
| 1(N23)  | Pelm                     |    |    |      |      |       |       |       |
| 2× III: 1p/1u   | <a href="#">o0981989</a> |   |   |      |      |       |       |       |
| 2(N23)  | Pelm                     |    |    |      |      |       |       |       |
| 1× III: 1p  | <a href="#">o0981990</a> |   |   |      |      |       |       |       |
| 3(N23)  | Pelm                     |    |    |      |      |       |       |       |
| 1× III: 1p  | <a href="#">o0981991</a> |   |   |      |      |       |       |       |
| 5(N23)  | Pelm                     |   |   |      |      |       |       |       |
| 1×  | <a href="#">o0981992</a> |   |   |      |      |       |       |       |
| 7(N23)  | Pelm                     |  |  |      |      |       |       |       |
| 1× III: 1p  | <a href="#">o0981993</a> |   |   |      |      |       |       |       |
| 1(N24)  | ACN                      |  |  |      |      |       |       |       |
| AKA: 1(N24') 1(N24'')<br>357× IV: 27p/11u;<br>III: 271p/33u | <a href="#">o0981994</a> |   |   |      |      |       |       |       |
| 2(N24)  | NUM                      |  |  |      |      |       |       |       |
|   | <a href="#">o0981995</a> |   |   |      |      |       |       |       |
| 4(N24)  | NUM                      |  |  |      |      |       |       |       |
|   | <a href="#">o0981996</a> |   |   |      |      |       |       |       |
| 6(N24)  | NUM                      |  |  |      |      |       |       |       |
| 1× IV: 1u   | <a href="#">o0981997</a> |   |   |      |      |       |       |       |
| 1(N24@f)  | PC25                     |  |  |      |      |       |       |       |
| 2× III: 2p  | <a href="#">o0981998</a> |   |   |      |      |       |       |       |
| 1(N24A)   | ACN                      |  |  |      |      |       |       |       |
| AKA: 1(N24~a)<br>28× III: 28p                               | <a href="#">o0981999</a> |   |   |      |      |       |       |       |
| 1(N24B)   | ACN                      |  |  |      |      |       |       |       |
| AKA: 1(N24~b)<br>18× III: 15p/3u                            | <a href="#">o0982000</a> |   |   |      |      |       |       |       |





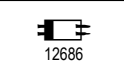











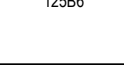



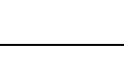





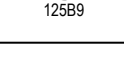









| PCSL   | FONT  | CDLI   | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|---|--|------|------|-------|-------|-------|
| <b>1(N25)</b><br>150×<br>IV: 5p;<br>III: 127p/16u<br>o0982001                    | ACN<br>  |   |      |      |       |       |       |
| <b>1(N26)</b><br>45× IV: 9p/1u;<br>III: 22p/7u<br>o0982002                       | ACN<br><br>     | <br>     |      |      |       |       |       |
| <b>1(N26B)</b><br>AKA: 1(N26~b)<br>1× III: 1p<br>o0982003                        | ACN<br>  |   |      |      |       |       |       |
| <b>1(N27)</b><br>13× IV: 1p; III: 12p<br>o0982004                                | ACN<br><br>     | <br>     |      |      |       |       |       |
| <b>1(N28)</b><br>91× IV: 17p/1u;<br>III: 56p/6u<br>o0982005                      | ACN<br>  |   |      |      |       |       |       |
| <b>1(N28B)</b><br>AKA: 1(N28~b)<br>2× III: 2p<br>o0982006                        | ACN<br>  |   |      |      |       |       |       |
| <b>1(N28C)</b><br>AKA: 1(N28~c)<br>38× IV: 1p;<br>III: 30p/6u<br>o0982007        | ACN<br>  |   |      |      |       |       |       |
| <b>1(N29A)</b><br>AKA: 1(N29) 1(N29~a)<br>57× IV: 4p;<br>III: 51p/2u<br>o0982008 | ACN<br><br>  | <br>  |      |      |       |       |       |
| <b>2(N29A)</b><br>AKA: 2(N29~a)<br>4× III: 4p<br>o0982009                        | PC25<br>   |   |      |      |       |       |       |
| <b>1(N29AB)</b><br>AKA: 1(N29A~b) 1(N29A~b)<br>1× III: 1p<br>o0982010            | ACN<br>  |   |      |      |       |       |       |
| <b>2(N29AB)</b><br>AKA: 2(N29A~b)<br>2× III: 2p<br>o0982011                      | PC25<br>   |   |      |      |       |       |       |
| <b>1(N29AC)</b><br>AKA: 1(N29A~c)<br>3× III: 2p/1u<br>o0982012                   | ACN<br>  |   |      |      |       |       |       |
| <b>1(N29B)</b><br>AKA: 1(N29~b)<br>6× IV: 2p; III: 4p<br>o0982013                | ACN<br>  |   |      |      |       |       |       |
| <b>1(N30A)</b><br>AKA: 1(N30~a)<br>52× IV: 3p; III: 49p<br>o0982014              | ACN<br><br> | <br> |      |      |       |       |       |
| <b>1(N30AC)</b><br>AKA: 1(N30A~c)<br>4× III: 4p<br>o0982015                      | ACN<br>  |   |      |      |       |       |       |





































| PCSL  | FONT  | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|---|---|------|------|-------|-------|-------|
| <b>1(N30B)</b><br>AKA: 1(N30~b)<br>2× III: 2p<br>o0982016                 | PC25<br><br>F010B  |   |      |      |       |       |       |
| <b>1(N30C)</b><br>AKA: 1(N30~c)<br>47× IV: 1p;<br>III: 40p/3u<br>o0982017 | ACN<br><br>125B0   |   |      |      |       |       |       |
| <b>1(N30CA)</b><br>AKA: 1(N30C~a) 1(N30C~a)<br>1× III: 1p<br>o0982018     | PC25<br><br>F2538  |   |      |      |       |       |       |
| <b>1(N30CB)</b><br>o0982019   | NUM<br><br>F010C   |    |      |      |       |       |       |
| <b>1(N30CC)</b><br>AKA: 1(N30C~c)<br>1× III: 1u<br>o0982020               | ACN<br><br>12628   |   |      |      |       |       |       |
| <b>1(N30D)</b><br>AKA: 1(N30~d)<br>2× IV: 2p<br>o0982021                  | ACN<br><br>125B1   |   |      |      |       |       |       |
| <b>1(N30E)</b><br>AKA: 1(N30~e)<br>1× III: 1p<br>o0982022                 | ACN<br><br>125B2   |   |      |      |       |       |       |
| <b>1(N31)</b><br>3× IV: 1p; III: 2p<br>o0982023                           | ACN<br><br>125B3  |   |      |      |       |       |       |
| <b>1(N32)</b><br>3× IV: 2p/1u<br>o0982024                                 | ACN<br><br>125B4   |  |      |      |       |       |       |
| <b>1(N33)</b><br>1× IV: 1p<br>o0982025                                    | ACN<br><br>125B5   |  |      |      |       |       |       |
| <b>1(N34)</b><br>1020×<br>IV: 221p/94u;<br>III: 471p/179u<br>o0982026     | ACN<br><br>1256B   |  |      |      |       |       |       |
| <b>1(N34)×1(N58)</b><br>1× III: 1p<br>o0982027                            | PC25<br><br>F012D  |  |      |      |       |       |       |
| <b>2(N34)</b><br>344×<br>IV: 64p/17u;<br>III: 169p/65u<br>o0982028        | ACN<br><br>1256C<br><br>F200D |  |      |      |       |       |       |
| <b>3(N34)</b><br>175×<br>IV: 35p/15u;<br>III: 73p/38u<br>o0982029         | ACN<br><br>1256D<br><br>F200E |  |      |      |       |       |       |
| <b>4(N34)</b><br>109×<br>IV: 22p/10u;<br>III: 55p/19u<br>o0982030         | ACN<br><br>1256E   |  |      |      |       |       |       |
| <b>5(N34)</b><br>112×<br>IV: 17p/9u;<br>III: 51p/19u<br>o0982031          | ACN<br><br>1256F<br><br>F200F |  |      |      |       |       |       |











































| PCSL                           |          | FONT  | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--------------------------------|----------|---|---|------|------|-------|-------|-------|
| 6(N34)                         | ACN      |    |    |      |      |       |       |       |
| 54× IV: 9p/5u;<br>III: 25p/13u | o0982032 |   |   |      |      |       |       |       |
| 7(N34)                         | ACN      |    |    |      |      |       |       |       |
| 28× IV: 5p/4u;<br>III: 12p/7u  | o0982033 |   |   |      |      |       |       |       |
| 8(N34)                         | ACN      |    |    |      |      |       |       |       |
| 24× IV: 4p/4u;<br>III: 6p/10u  | o0982034 |   |   |      |      |       |       |       |
| 9(N34)                         | ACN      |    |    |      |      |       |       |       |
| 14× IV: 3p/1u;<br>III: 8p/1u   | o0982035 |   |   |      |      |       |       |       |
| 1(N34@f)                       | ACN      |    |    |      |      |       |       |       |
| 1× IV: 1p                      | o0982036 |   |   |      |      |       |       |       |
| 2(N34@f)                       | ACN      |    |    |      |      |       |       |       |
|                                | o0982037 |   |   |      |      |       |       |       |
| 3(N34@f)                       | ACN      |   |   |      |      |       |       |       |
|                                | o0982038 |   |   |      |      |       |       |       |
| 4(N34@f)                       | ACN      |  |  |      |      |       |       |       |
|                                | o0982039 |   |   |      |      |       |       |       |
| 5(N34@f)                       | ACN      |  |  |      |      |       |       |       |
|                                | o0982040 |   |   |      |      |       |       |       |
| 6(N34@f)                       | ACN      |  |  |      |      |       |       |       |
|                                | o0982041 |   |   |      |      |       |       |       |
| 7(N34@f)                       | ACN      |  |  |      |      |       |       |       |
| 1× III: 1p                     | o0982042 |   |   |      |      |       |       |       |
| 8(N34@f)                       | ACN      |  |  |      |      |       |       |       |
|                                | o0982043 |   |   |      |      |       |       |       |
| 9(N34@f)                       | ACN      |  |  |      |      |       |       |       |
|                                | o0982044 |   |   |      |      |       |       |       |

| PCSL  |     | FONT  | CDLI   | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|-----|---|--|------|------|-------|-------|-------|
| <b>1(N34@f@t)</b><br>CDLI:  1(N34@f@t) <br>o0982045     | ACN | <br>12675  |   |      |      |       |       |       |
| <b>1(N35)</b><br>5× IV: 2p; III: 2p/1u<br>o0982046      | ACN | <br>125CC  |   |      |      |       |       |       |
| <b>2(N35)</b><br>1× III: 1p<br>o0982047                 | ACN | <br>125CD<br><br>1<br>F2031     | <br>     |      |      |       |       |       |
| <b>3(N35)</b><br>o0982048                               | ACN | <br>125CE  |  |      |      |       |       |       |
| <b>4(N35)</b><br>o0982049                               | ACN | <br>125CF  |  |      |      |       |       |       |
| <b>5(N35)</b><br>1× III: 1p<br>o0982050                 | ACN | <br>125D0<br><br>1<br>F2032     | <br>     |      |      |       |       |       |
| <b>1(N36)</b><br>43× IV: 4p;<br>III: 29p/9u<br>o0982051 | ACN | <br>12616  |   |      |      |       |       |       |
| <b>2(N36)</b><br>10× IV: 3p; III: 5p/1u<br>o0982052     | ACN | <br>12617<br><br>1<br>F2048    | <br>    |      |      |       |       |       |
| <b>3(N36)</b><br>7× IV: 1p; III: 4p/2u<br>o0982053      | ACN | <br>12618<br><br>1<br>F2049 | <br> |      |      |       |       |       |
| <b>4(N36)</b><br>3× IV: 1p; III: 2p<br>o0982054         | ACN | <br>12619  | <br> |      |      |       |       |       |
| <b>5(N36)</b><br>1× IV: 1p<br>o0982055                  | ACN | <br>1261A<br><br>1<br>F204A | <br> |      |      |       |       |       |
| <b>6(N36)</b><br>2× III: 2u<br>o0982056                 | ACN | <br>1261B<br><br>1<br>F204B | <br> |      |      |       |       |       |
| <b>7(N36)</b><br>o0982057                               | ACN | <br>1261C<br><br>1<br>F204C | <br> |      |      |       |       |       |
| <b>8(N36)</b><br>o0982058                               | ACN | <br>1261D<br><br>1<br>F204D | <br> |      |      |       |       |       |

| PCSL   |                          | FONT  | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|--------------------------|---|---|------|------|-------|-------|-------|
| <b>9(N36)</b>  | ACN                      |    |    |      |      |       |       |       |
| 2× III: 2p   | <a href="#">o0982059</a> |    |    |      |      |       |       |       |
| <b>1(N36@f)</b>                                      | ACN                      |    |    |      |      |       |       |       |
|  | <a href="#">o0982060</a> |   |   |      |      |       |       |       |
| <b>1(N37)</b>  | ACN                      |    |    |      |      |       |       |       |
| 6× IV: 1u; III: 4p/1u                                | <a href="#">o0982061</a> |   |   |      |      |       |       |       |
| <b>2(N37)</b>  | ACN                      |    |    |      |      |       |       |       |
| 1× III: 1p   | <a href="#">o0982062</a> |    |    |      |      |       |       |       |
| <b>1(N38)</b>  | ACN                      |    |    |      |      |       |       |       |
| 30× IV: 4p/1u;<br>III: 24p/1u                        | <a href="#">o0982063</a> |   |   |      |      |       |       |       |
| <b>1(N39A)</b>                                       | ACN                      |    |    |      |      |       |       |       |
| AKA: 1(N39~a)<br>211×<br>IV: 7p/4u;<br>III: 176p/18u | <a href="#">o0982064</a> |   |   |      |      |       |       |       |
| <b>2(N39A)</b>                                       | ACN                      |    |    |      |      |       |       |       |
| AKA: 2(N39~a)<br>189×<br>IV: 2p;<br>III: 162p/17u    | <a href="#">o0982065</a> |   |   |      |      |       |       |       |
| <b>3(N39A)</b>                                       | ACN                      |    |    |      |      |       |       |       |
| AKA: 3(N39~a)<br>89× IV: 2p/1u;<br>III: 74p/10u      | <a href="#">o0982066</a> |   |   |      |      |       |       |       |
| <b>4(N39A)</b>                                       | ACN                      |   |   |      |      |       |       |       |
| AKA: 4(N39~a)<br>55× III: 51p/2u                     | <a href="#">o0982067</a> |   |   |      |      |       |       |       |
| <b>1(N39B)</b>                                       | ACN                      |  |  |      |      |       |       |       |
| AKA: 1(N39~b)<br>14× IV: 9p/4u                       | <a href="#">o0982068</a> |   |   |      |      |       |       |       |
| <b>2(N39B)</b>                                       | ACN                      |  |  |      |      |       |       |       |
| AKA: 2(N39~b)<br>11× IV: 5p/3u                       | <a href="#">o0982069</a> |   |   |      |      |       |       |       |
| <b>3(N39B)</b>                                       | ACN                      |  |  |      |      |       |       |       |
| AKA: 3(N39~b)<br>5× IV: 3p/1u                        | <a href="#">o0982070</a> |   |   |      |      |       |       |       |
| <b>4(N39B)</b>                                       | ACN                      |  |  |      |      |       |       |       |
| AKA: 4(N39~b)<br>8× IV: 4p/1u                        | <a href="#">o0982071</a> |   |   |      |      |       |       |       |
| <b>1(N40)</b>  | ACN                      |  |  |      |      |       |       |       |
| 40× III: 38p/1u                                      | <a href="#">o0982072</a> |   |   |      |      |       |       |       |
| <b>2(N40)</b>  | ACN                      |  |  |      |      |       |       |       |
| 36× IV: 1p; III: 34p                                 | <a href="#">o0982073</a> |   |   |      |      |       |       |       |

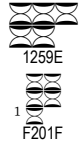

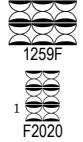



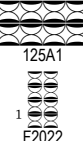










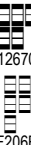

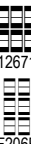

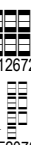

| PCSL   | FONT          | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|---------------|------|------|------|-------|-------|-------|
| <b>3(N40)</b><br>27× III: 26p<br>o0982074  | ACN<br>125ED  |      |      |      |       |       |       |
| <b>4(N40)</b><br>16× III: 16p<br>o0982075  | ACN<br>125EE  |      |      |      |       |       |       |
| <b>1(N41)</b><br>24× III: 22p<br>o0982076  | ACN<br>12602  |      |      |      |       |       |       |
| <b>2(N41)</b><br>27× III: 27p<br>o0982077  | ACN<br>12603  |      |      |      |       |       |       |
| <b>3(N41)</b><br>20× III: 20p<br>o0982078  | ACN<br>12604  |      |      |      |       |       |       |
| <b>4(N41)</b><br>17× III: 16p/1u<br>o0982079                                       | ACN<br>12605  |      |      |      |       |       |       |
| <b>1(N42A)</b><br>AKA: 1(N42~a)<br>130×<br>IV: 2p/1u;<br>III: 115p/12u<br>o0982080 | ACN<br>12629  |      |      |      |       |       |       |
| <b>2(N42A)</b><br>AKA: 2(N42~a)<br>89× IV: 1p;<br>III: 77p/6u<br>o0982081          | ACN<br>1262A  |      |      |      |       |       |       |
| <b>3(N42A)</b><br>AKA: 3(N42~a)<br>52× IV: 1p;<br>III: 39p/12u<br>o0982082         | ACN<br>1262B  |      |      |      |       |       |       |
| <b>4(N42A)</b><br>AKA: 4(N42~a)<br>25× IV: 5p;<br>III: 17p/2u<br>o0982083          | ACN<br>1262C  |      |      |      |       |       |       |
| <b>1(N42B)</b><br>o0982084   | ACN<br>1262D  |      |      |      |       |       |       |
| <b>2(N42B)</b><br>AKA: 2(N42~b)<br>3× IV: 3p<br>o0982085                           | ACN<br>1262E  |      |      |      |       |       |       |
| <b>3(N42B)</b><br>o0982086   | ACN<br>1262F  |      |      |      |       |       |       |
| <b>4(N42B)</b><br>o0982087   | ACN<br>12630  |      |      |      |       |       |       |
| <b>1(N43)</b><br>3× III: 2p/1u<br>o0982088   | PC25<br>F010D |      |      |      |       |       |       |
| <b>4(N43)</b><br>1× III: 1p<br>o0982089  | PC25<br>F010E |      |      |      |       |       |       |
| <b>1(N44)</b><br>1× IV: 1p<br>o0982090   | PC25<br>F00E1 |      |      |      |       |       |       |
| <b>1(N45)</b><br>323×<br>IV: 23p/5u;<br>III: 219p/60u<br>o0982091                  | ACN<br>12579  |      |      |      |       |       |       |

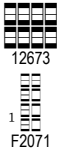
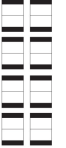

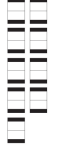
























| PCSL                               |                          | FONT  | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|------------------------------------|--------------------------|---|---|------|------|-------|-------|-------|
| 2(N45)                             | ACN                      |    |    |      |      |       |       |       |
| 137×<br>IV: 7p/3u;<br>III: 88p/32u | <a href="#">o0982092</a> |    |   |      |      |       |       |       |
| 3(N45)                             | ACN                      |    |    |      |      |       |       |       |
| 13× IV: 2p; III: 6p/4u             | <a href="#">o0982093</a> |   |   |      |      |       |       |       |
| 4(N45)                             | ACN                      |    |    |      |      |       |       |       |
| 4× III: 4u                         | <a href="#">o0982094</a> |   |   |      |      |       |       |       |
| 5(N45)                             | ACN                      |    |    |      |      |       |       |       |
| 6× III: 3p/3u                      | <a href="#">o0982095</a> |    |   |      |      |       |       |       |
| 6(N45)                             | ACN                      |    |    |      |      |       |       |       |
| 4× III: 3p/1u                      | <a href="#">o0982096</a> |    |   |      |      |       |       |       |
| 7(N45)                             | ACN                      |    |    |      |      |       |       |       |
| 2× III: 2u                         | <a href="#">o0982097</a> |    |   |      |      |       |       |       |
| 8(N45)                             | ACN                      |   |   |      |      |       |       |       |
|                                    | <a href="#">o0982098</a> |   |   |      |      |       |       |       |
| 9(N45)                             | ACN                      |  |  |      |      |       |       |       |
| 1× III: 1p                         | <a href="#">o0982099</a> |  |   |      |      |       |       |       |
| 1(N45@f)                           | ACN                      |  |  |      |      |       |       |       |
|                                    | <a href="#">o0982100</a> |   |   |      |      |       |       |       |
| 2(N45@f)                           | ACN                      |  |  |      |      |       |       |       |
|                                    | <a href="#">o0982101</a> |   |   |      |      |       |       |       |
| 3(N45@f)                           | OOR                      |  |  |      |      |       |       |       |
|                                    | <a href="#">o0982102</a> |   |   |      |      |       |       |       |
| 4(N45@f)                           | OOR                      |  |  |      |      |       |       |       |
|                                    | <a href="#">o0982103</a> |   |   |      |      |       |       |       |
| 5(N45@f)                           | OOR                      |  |  |      |      |       |       |       |
|                                    | <a href="#">o0982104</a> |   |   |      |      |       |       |       |
| 6(N45@f)                           | OOR                      |  |  |      |      |       |       |       |
|                                    | <a href="#">o0982105</a> |   |   |      |      |       |       |       |
| 7(N45@f)                           | OOR                      |  |  |      |      |       |       |       |
|                                    | <a href="#">o0982106</a> |   |   |      |      |       |       |       |
| 8(N45@f)                           | OOR                      |  |  |      |      |       |       |       |
|                                    | <a href="#">o0982107</a> |   |   |      |      |       |       |       |




































| PCSL                   |          | FONT | CDLI  | ATU3  | ATU5 | MSVO1 | MSVO4 | CUSAS |
|------------------------|----------|------|---|---|------|-------|-------|-------|
| 9(N45@f)               |          | ORR  |    |    |      |       |       |       |
|                        | o0982108 |      | F00E8   |   |      |       |       |       |
| 1(N45A)                |          | ACN  |    |    |      |       |       |       |
| AKA: 1(N45~a)          |          |      | 125FD   |   |      |       |       |       |
| 1x III: 1p             | o0982109 |      |   |   |      |       |       |       |
| 1(N46)                 |          | ACN  |    |    |      |       |       |       |
| 99x IV: 5p;            |          |      | 12614   |   |      |       |       |       |
| III: 72p/22u           | o0982110 |      |   |   |      |       |       |       |
| 2(N46)                 |          | ACN  |    |    |      |       |       |       |
|                        |          |      | 12615   |   |      |       |       |       |
| 40x IV: 1p;            |          |      |    |    |      |       |       |       |
| III: 32p/6u            | o0982111 |      | F2047   |   |      |       |       |       |
| 3(N46)                 |          | PC25 |    |    |      |       |       |       |
| 1x                     | o0982112 |      | F00E9   |   |      |       |       |       |
| 1(N46@f)               |          | ACN  |    |    |      |       |       |       |
|                        | o0982113 |      | 12684   |   |      |       |       |       |
| 2(N46@f)               |          | ACN  |    |    |      |       |       |       |
|                        | o0982114 |      | 12685   |   |      |       |       |       |
| 1(N47)                 |          | ACN  |    |    |      |       |       |       |
| 15x IV: 4p/1u;         |          |      | 1263F   |   |      |       |       |       |
| III: 10p               | o0982115 |      |   |   |      |       |       |       |
| 2(N47)                 |          | ACN  |   |   |      |       |       |       |
|                        |          |      | 12640   |   |      |       |       |       |
| 11x IV: 2p; III: 8p/1u | o0982116 |      |  |  |      |       |       |       |
|                        |          |      | F205A   |   |      |       |       |       |
| 3(N47)                 |          | ORR  |  |  |      |       |       |       |
| 1x IV: 1u              | o0982117 |      | F00EA   |   |      |       |       |       |
| 1(N48)                 |          | ACN  |  |  |      |       |       |       |
| 105x                   |          |      | 12574   |   |      |       |       |       |
| IV: 30p/9u;            |          |      |   |   |      |       |       |       |
| III: 36p/20u           | o0982118 |      |   |   |      |       |       |       |
| 2(N48)                 |          | ACN  |  |  |      |       |       |       |
|                        |          |      | 12575   |   |      |       |       |       |
| 45x IV: 11p/10u;       |          |      |  |  |      |       |       |       |
| III: 16p/4u            | o0982119 |      | F2014   |   |      |       |       |       |
| 3(N48)                 |          | ACN  |  |  |      |       |       |       |
|                        |          |      | 12576   |   |      |       |       |       |
| 17x IV: 3p/1u;         |          |      |  |  |      |       |       |       |
| III: 7p/5u             | o0982120 |      | F2015   |   |      |       |       |       |
| 4(N48)                 |          | ACN  |  |  |      |       |       |       |
|                        |          |      | 12577   |   |      |       |       |       |
| 13x IV: 2u; III: 7p/4u | o0982121 |      |   |   |      |       |       |       |
| 5(N48)                 |          | ACN  |  |  |      |       |       |       |
|                        |          |      | 12578   |   |      |       |       |       |
| 4x IV: 3u; III: 1u     | o0982122 |      |  |  |      |       |       |       |
|                        |          |      | F2016   |   |      |       |       |       |
| 6(N48)                 |          | ORR  |  |  |      |       |       |       |
| 2x IV: 2u              | o0982123 |      | F00EB   |   |      |       |       |       |



| PCSL  | FONT                  | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|-----------------------|------|------|------|-------|-------|-------|
| 7(N48)<br>1× IV: 1u<br>o0982124                         | OOR<br>F00EC          |      |      |      |       |       |       |
| 1(N48@f)<br>o0982125                                    | NUM<br>F010F          |      |      |      |       |       |       |
| 1(N49)<br>8× IV: 1p; III: 6p/1u<br>o0982126             | ACN<br>1261F          |      |      |      |       |       |       |
| 2(N49)<br>3× IV: 1p; III: 1u<br>o0982127                | ACN<br>12620<br>F204F |      |      |      |       |       |       |
| 3(N49)<br>4× IV: 1p; III: 3p<br>o0982128                | ACN<br>12621<br>F2050 |      |      |      |       |       |       |
| 4(N49)<br>2× III: 1p/1u<br>o0982129                     | ACN<br>12622          |      |      |      |       |       |       |
| 5(N49)<br>o0982130                                      | OOR<br>F00ED          |      |      |      |       |       |       |
| 1(N50)<br>82× IV: 1u;<br>III: 42p/36u<br>o0982131       | ACN<br>12582          |      |      |      |       |       |       |
| 2(N50)<br>35× IV: 2p/1u;<br>III: 19p/13u<br>o0982132    | ACN<br>12583<br>F201C |      |      |      |       |       |       |
| 3(N50)<br>22× III: 16p/6u<br>o0982133                   | ACN<br>12584          |      |      |      |       |       |       |
| 4(N50)<br>23× III: 14p/8u<br>o0982134                   | ACN<br>12585          |      |      |      |       |       |       |
| 5(N50)<br>9× III: 5p/3u<br>o0982135                     | ACN<br>12586<br>F201D |      |      |      |       |       |       |
| 1(N51)<br>107× IV: 33p/14u;<br>III: 41p/15u<br>o0982136 | ACN<br>1259A          |      |      |      |       |       |       |
| 2(N51)<br>46× IV: 8p/7u;<br>III: 21p/8u<br>o0982137     | ACN<br>1259B<br>F201E |      |      |      |       |       |       |
| 3(N51)<br>17× IV: 5p/2u;<br>III: 8p/2u<br>o0982138      | ACN<br>1259C          |      |      |      |       |       |       |
| 4(N51)<br>11× IV: 2p; III: 4p/4u<br>o0982139            | ACN<br>1259D          |      |      |      |       |       |       |
































| PCSL                         |                          | FONT   | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|------------------------------|--------------------------|--|---|------|------|-------|-------|-------|
| 5(N51)                       | ACN                      | <br>1259E<br>1<br>F201F   |    |      |      |       |       |       |
| 18× IV: 2p/2u;<br>III: 8p/6u | <a href="#">o0982140</a> |  |   |      |      |       |       |       |
| 6(N51)                       | ACN                      | <br>1259F<br>1<br>F2020   |    |      |      |       |       |       |
| 6× IV: 1u; III: 2p/3u        | <a href="#">o0982141</a> |  |   |      |      |       |       |       |
| 7(N51)                       | ACN                      | <br>125A0<br>1<br>F2021   |    |      |      |       |       |       |
| 2× IV: 1p; III: 1p           | <a href="#">o0982142</a> |  |   |      |      |       |       |       |
| 8(N51)                       | ACN                      | <br>125A1<br>1<br>F2022   |    |      |      |       |       |       |
| 2× IV: 1p; III: 1p           | <a href="#">o0982143</a> |  |   |      |      |       |       |       |
| 9(N51)                       | ACN                      | <br>125A2                 |   |      |      |       |       |       |
|                              | <a href="#">o0982144</a> |  |   |      |      |       |       |       |
| 1(N51@f)                     | ACN                      | <br>1266C                 |    |      |      |       |       |       |
|                              | <a href="#">o0982145</a> |  |   |      |      |       |       |       |
| 2(N51@f)                     | ACN                      | <br>1266D<br>1<br>F206D |  |      |      |       |       |       |
|                              | <a href="#">o0982146</a> |  |   |      |      |       |       |       |
| 3(N51@f)                     | ACN                      | <br>1266E               |  |      |      |       |       |       |
|                              | <a href="#">o0982147</a> |  |   |      |      |       |       |       |
| 4(N51@f)                     | ACN                      | <br>1266F               |  |      |      |       |       |       |
|                              | <a href="#">o0982148</a> |  |   |      |      |       |       |       |
| 5(N51@f)                     | ACN                      | <br>12670<br>1<br>F206E |  |      |      |       |       |       |
|                              | <a href="#">o0982149</a> |  |   |      |      |       |       |       |
| 6(N51@f)                     | ACN                      | <br>12671<br>1<br>F206F |  |      |      |       |       |       |
|                              | <a href="#">o0982150</a> |  |   |      |      |       |       |       |
| 7(N51@f)                     | ACN                      | <br>12672<br>1<br>F2070 |  |      |      |       |       |       |
|                              | <a href="#">o0982151</a> |  |   |      |      |       |       |       |

| PCSL                          |      | FONT  | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|-------------------------------|------|---|---|------|------|-------|-------|-------|
| 8(N51@f)                      | ACN  |    |    |      |      |       |       |       |
|                               |      | o0982152  |   |      |      |       |       |       |
| 9(N51@f)                      | ACN  |    |    |      |      |       |       |       |
|                               |      | o0982153  |   |      |      |       |       |       |
| 1(N52)                        | ACN  |    |    |      |      |       |       |       |
| 27× IV: 1p/2u;<br>III: 20p/4u |      | o0982154  |   |      |      |       |       |       |
| 2(N52)                        | ACN  |    |    |      |      |       |       |       |
| 10× III: 10p                  |      | o0982155  |   |      |      |       |       |       |
| 3(N52)                        | ACN  |    |    |      |      |       |       |       |
| 4× IV: 1p; III: 2p/1u         |      | o0982156  |   |      |      |       |       |       |
| 4(N52)                        | ACN  |    |    |      |      |       |       |       |
| 2× IV: 1p; III: 1p            |      | o0982157  |   |      |      |       |       |       |
| 5(N52)                        | ACN  |   |   |      |      |       |       |       |
| 1× IV: 1p                     |      | o0982158  |   |      |      |       |       |       |
| 6(N52)                        | ACN  |  |   |      |      |       |       |       |
|                               |      | o0982159  |   |      |      |       |       |       |
| 7(N52)                        | ACN  |  |   |      |      |       |       |       |
|                               |      | o0982160  |   |      |      |       |       |       |
| 8(N52)                        | ACN  |  |   |      |      |       |       |       |
|                               |      | o0982161  |   |      |      |       |       |       |
| 9(N52)                        | ACN  |  |   |      |      |       |       |       |
|                               |      | o0982162  |   |      |      |       |       |       |
| 3(N53)                        | PC25 |  |  |      |      |       |       |       |
| 1× IV: 1p                     |      | o0982163  |   |      |      |       |       |       |
| 1(N54)                        | ACN  |  |  |      |      |       |       |       |
| 18× IV: 7p/1u;<br>III: 3p/7u  |      | o0982164  |   |      |      |       |       |       |
| 2(N54)                        | ACN  |  |  |      |      |       |       |       |
| 4× IV: 3p; III: 1p            |      | o0982165  |   |      |      |       |       |       |
| 3(N54)                        | ACN  |  |  |      |      |       |       |       |
| 3× IV: 1p; III: 2p            |      | o0982166  |   |      |      |       |       |       |
| 4(N54)                        | ACN  |  |  |      |      |       |       |       |
|                               |      | o0982167  |   |      |      |       |       |       |

| PCSL  |                          | FONT  | CDLI  | ATU3  | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|--------------------------|---|---|---|------|-------|-------|-------|
| 5(N54)  | ACN                      |  |    |   |      |       |       |       |
| 3× III: 3p  | <a href="#">o0982168</a> |  |    |   |      |       |       |       |
| 1(N55)  | PC25                     |  |    |   |      |       |       |       |
| 1× IV: 1p   | <a href="#">o0982169</a> |   |   |   |      |       |       |       |
| 1(N56)  | ACN                      |  |    |   |      |       |       |       |
|   | <a href="#">o0982170</a> |   |   |   |      |       |       |       |
| 2(N56)  | ACN                      |  |    |   |      |       |       |       |
| 1× III: 1p  | <a href="#">o0982171</a> |  |    |   |      |       |       |       |
| 1(N57)<br>12BEC                                   | —                        | PC25  |    |    |      |       |       |       |
| AKA: AŠ<br>507×<br>IV: 70p/19u;<br>III: 269p/139u | <a href="#">o0982172</a> | ZATU037   |   |   |      |       |       |       |
| 2(N57)<br>12BED                                   | ≡                        | PC25  |    |    |      |       |       |       |
| 161×<br>IV: 15p/2u;<br>III: 101p/35u              | <a href="#">o0982173</a> | ZATU546   |    |   |      |       |       |       |
| 3(N57)<br>12BEE                                   | ≡≡                       | PC25  |    |    |      |       |       |       |
| 551×<br>IV: 20p/9u;<br>III: 364p/139u             | <a href="#">o0982174</a> | ZATU146   |   |   |      |       |       |       |
| 4(N57)<br>12BEF                                   | ≡≡                       | PC25  |   |   |      |       |       |       |
| 46× IV: 4p/1u;<br>III: 33p/7u                     | <a href="#">o0982175</a> |   |   |   |      |       |       |       |
| 5(N57)<br>12BF0                                   | ≡≡≡                      | PC25  |  |  |      |       |       |       |
| 62× IV: 4p;<br>III: 46p/8u                        | <a href="#">o0982176</a> |   |   |   |      |       |       |       |
| 6(N57)<br>12BF1                                   | ≡≡≡                      | PC25  |  |  |      |       |       |       |
| 21× IV: 2p;<br>III: 15p/3u                        | <a href="#">o0982177</a> |   |  |   |      |       |       |       |
| 7(N57)<br>12BF2                                   | ≡≡≡≡                     | PC25  |  |  |      |       |       |       |
| 9× IV: 1p; III: 7p                                | <a href="#">o0982178</a> |   |  |   |      |       |       |       |
| 8(N57)<br>12BF3                                   | ≡≡≡≡                     | PC25  |  |  |      |       |       |       |
| 5× III: 3p/1u                                     | <a href="#">o0982179</a> |   |   |   |      |       |       |       |
| 9(N57)<br>12BF4                                   | ≡≡≡≡                     | PC25  |  |  |      |       |       |       |
| 2× III: 2p  | <a href="#">o0982180</a> |   |   |   |      |       |       |       |
| 10(N57)<br>12BF5                                  | ≡≡≡≡≡                    | PC25  |  |  |      |       |       |       |
| 1× III: 1p  | <a href="#">o0982181</a> |   |   |   |      |       |       |       |

| PCSL  | FONT            | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|-----------------|------|------|------|-------|-------|-------|
| <b>1(N58)</b><br>12BF6<br><br>AKA: DĪṢ<br>189×<br>IV: 36p/16u;<br>III: 100p/36u<br>o0982182 | PC25<br>ZATU081 |      |      |      |       |       |       |
| <b>2(N58)</b><br>12BF7<br><br>11× IV: 4p/1u;<br>III: 2p/2u<br>o0982183                      | PC25            |      |      |      |       |       |       |
| <b>3(N58)</b><br>12BF8<br><br>9× IV: 4p; III: 2p/3u<br>o0982184                             | PC25            |      |      |      |       |       |       |
| <b>4(N58)</b><br>12BF9<br><br>4× IV: 2u; III: 1p/1u<br>o0982185                             | PC25            |      |      |      |       |       |       |
| <b>5(N58)</b><br>12BFA<br><br>2× IV: 2u<br>o0982186   | PC25            |      |      |      |       |       |       |
| <b>8(N58)</b><br>12BFB<br><br>1× III: 1u<br>o0982187  | PC25            |      |      |      |       |       |       |
| <b>9(N58)</b><br>12BFC<br><br>1× III: 1p<br>o0982188  | PC25            |      |      |      |       |       |       |
| <b>10(N58)</b><br>12BFD<br><br>2× III: 2p<br>o0982189                                       | PC25            |      |      |      |       |       |       |
| <b>12(N58)</b><br>12BFE<br><br>1× III: 1p<br>o0982190                                       | PC25            |      |      |      |       |       |       |
| <b>1(N58@t)</b><br>12BFF<br><br>AKA: 1(N58)@t<br>CDLI:  1(N58@t) <br>2× IV: 1p<br>o0982191  | PC25            |      |      |      |       |       |       |
| <b>1(N59)</b><br><br>1× III: 1p<br>o0982192   | PC25            |      |      |      |       |       |       |
| <b>2(N59)</b><br><br>1× III: 1p<br>o0982193   | PC25            |      |      |      |       |       |       |
| <b>3(N59)</b><br><br>18× III: 11p/7u<br>o0982194  | PC25            |      |      |      |       |       |       |
| <b>4(N59)</b><br><br>3× III: 2p/1u<br>o0982195  | PC25            |      |      |      |       |       |       |
| <b>6(N59)</b><br><br>3× III: 3p<br>o0982196   | PC25            |      |      |      |       |       |       |
| <b>7(N59)</b><br><br>1× III: 1p<br>o0981906   | PC25            |      |      |      |       |       |       |

| PCSL   | FONT                        | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|-----------------------------|------|------|------|-------|-------|-------|
| <b>1(N60)</b><br>4× III: 4p<br>o0982198  | ACN<br>125E9                |      |      |      |       |       |       |
| <b>3(N61)</b><br>1×<br>o0982199  | PC25<br>F0129               |      |      |      |       |       |       |
| <b>4(N62)</b><br>1× III: 1p<br>o0982200  | PC25<br>F012A               |      |      |      |       |       |       |
| <b>1(N63)</b><br>2× III: 2u<br>o0982201  | NUM<br>F012B                |      |      |      |       |       |       |
| <b> 1(N57).AB<sub>2</sub> </b><br>1× III: 1u<br>o0982202                                 | UNP<br>F228F                |      |      |      |       |       |       |
| <b> 2(N57).AB<sub>2</sub> </b><br>1× IV: 1p<br>o0982203                                  | PC25-sq<br>ZATU014<br>F2290 |      |      |      |       |       |       |
| <b> 3(N57).AMAR </b><br>2× III: 1p/1u<br>o0982204  | PC25-sq<br>F2291            |      |      |      |       |       |       |
| <b> 4(N57).AMAR </b><br>1× III: 1p<br>o0982205   | PC25-sq<br>F2292            |      |      |      |       |       |       |
| <b> 3(N57).AZ </b><br>3× III: 3p<br>o0982206   | PC25-sq<br>12BEE_126C2      |      |      |      |       |       |       |
| <b> 3(N57).BAR×UŠ~a </b><br>o0982207   | ZERO<br>F2293               |      |      |      |       |       |       |
| <b> 3(N57).BARA<sub>3</sub> </b><br>1× III: 1u<br>o0982208                               | UNP<br>F2294                |      |      |      |       |       |       |
| <b> 2(N57).BIR<sub>3</sub>~a </b><br>1× III: 1p<br>o0982209                              | PC25-sq<br>F2295            |      |      |      |       |       |       |
| <b> 1(N57).BU<sub>3</sub> </b><br>1× III: 1p<br>o0982210                                 | PC25-sq<br>12BEC_126EE      |      |      |      |       |       |       |
| <b> 1(N57).E<sub>2</sub>~a </b><br>o0982211  | ZERO<br>F2296               |      |      |      |       |       |       |
| <b> 3(N57).E<sub>2</sub>~b </b><br>1× III: 1u<br>o0982212                                | UNP<br>F2220<br>F2221       | <br> |      |      |       |       |       |
| <b> 3(N57).EN<sub>2</sub> </b><br>6× III: 6p<br>o0982213                                 | PC25-sq<br>12BEE_1278D      |      |      |      |       |       |       |
| <b> X(N57).GAR </b><br>AKA:  N(N57).GAR <br>CDLI:  x(N57).GAR <br>1× III: 1p<br>o0982214 | PC25-sq<br>F24CB            |      |      |      |       |       |       |
| <b> 3(N57).GAR </b><br>2× III: 2p<br>o0982215  | PC25-sq<br>F2297            |      |      |      |       |       |       |
| <b> 4(N57).GAR </b><br>5× III: 5p<br>o0982216  | PC25-sq<br>F2298            |      |      |      |       |       |       |

| PCSL  |                          | FONT  | CDLI  | ATU3  | ATU5   | MSVO1   | MSVO4   | CUSAS |
|---|--------------------------|---|---|---|--|---|---|-------|
| 5(N57).GAR  | PC25-sq                  |    |    |   |  |  |    |       |
| 8× III: 8p  | <a href="#">o0982217</a> | F2299   | F2299   |   |  | F2299   | F2299   |       |
| 6(N57).GAR  | PC25-sq                  |    |    |   |  |  |    |       |
| 4× III: 3p/1u   | <a href="#">o0982218</a> | F229A   | F229A   |   |  | F229A   | F229A   |       |
| 7(N57).GAR  | PC25-sq                  |    |   |   |  |   |   |       |
| 1×  | <a href="#">o0982219</a> | 12BF2_127EF   |   |   |  |   |   |       |
| 4(N57).KU <sub>3</sub> -a   | PC25-sq                  |    |    |   |  |  |   |       |
| 11× III: 11p  | <a href="#">o0982220</a> | F229B   | F229B   |   |  | F229B   |   |       |
| 5(N57).KU <sub>3</sub> -a   | PC25-sq                  |    |    |   |  |  |   |       |
| 4× III: 4p  | <a href="#">o0982221</a> | F229C   | F229C   |   |  | F229C   |   |       |
| 6(N57).KU <sub>3</sub> -a   | PC25-sq                  |    |    |   |  |  |   |       |
| 2× III: 2p  | <a href="#">o0982222</a> | F229D   | F229D   |   |  | F229D   |   |       |
| 2(N57).KU <sub>6</sub> -a   | PC25-sq                  |    |    |   |  |   |   |       |
| 1× III: 1p  | <a href="#">o0982223</a> | F229E   | F229E   |   |  |   |   |       |
| 3(N57).LAM~a.KUR~a.RU   | PC25-sq                  |    |    |   |  |   |   |       |
| AKA: ARATTA<br>CDLI: ARATTA<br>1× III: 1p                                 | <a href="#">o0980071</a> | ZATU035   | F229F   |   |  |   |   |       |
| 1(N57).MUŠEN  | PC25-sq                  |    |    |   |  |   |   |       |
| AKA:  MUŠEN×1(N57) <br>CDLI:  MUŠEN×1(N57) <br>5× III: 4p                 | <a href="#">o0982224</a> | 12BEC_12924   | F22A0   |   |  |   |   |       |
| 2(N57).MUŠEN  | PC25-sq                  |   |   |   |  |   |   |       |
| AKA:  MUŠEN×2(N57) <br>CDLI:  MUŠEN×2(N57) <br>27× IV: 1p;<br>III: 20p/1u | <a href="#">o0982225</a> | 12BED_12924   | F22A1   |   |  |   | F22A1   |       |
| 3(N57).MUŠEN  | PC25-sq                  |  |  |   |  |   |  |       |
| AKA:  MUŠEN×3(N57) <br>CDLI:  MUŠEN×3(N57) <br>1× III: 1p                 | <a href="#">o0982226</a> |   | F22A2   |   |  |   | F22A2   |       |
| 3(N57).NUNUZ~a1   | PC25-sq                  |  |  |   |  |   |   |       |
| 23× III: 20p/3u   | <a href="#">o0982227</a> | ZATU424   | F22A3   |   |  |   |   |       |
| 3(N57).NUNUZ~c  | PC25-sq                  |  |  |   |  |   |   |       |
| 2× III: 1p/1u   | <a href="#">o0982228</a> | ZATU424   | F22A4   |   |  |   |   |       |
| 3(N57).PIRIG~b1   | PC25-sq                  |  |  |  |  |   |   |       |
| 35× IV: 1p/1u;<br>III: 25p/8u   | <a href="#">o0982229</a> | ZATU429   | F22A5   | F22A5   | F22A5  |   |   |       |
| 3(N57).RU   | PC25-sq                  |  |  |   |  |   |   |       |
| AKA: ŠURUPPAK~b<br>CDLI: ŠURUPPAK~b<br>10× IV: 1u; III: 6p/2u             | <a href="#">o0981274</a> | ZATU544   | F21B1<br>F21B0  |   |  |   |   |       |
| 3(N57).SANGA~a  | PC25-sq                  |  |   |   |  |   |   |       |
| 1× III: 1p  | <a href="#">o0982230</a> | 12BEE_129A3   |   |   |  |   |   |       |

| PCSL   | FONT                                 | CDLI | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|--------------------------------------|------|------|------|-------|-------|-------|
| 3(N57).SI <br>2× III: 2p<br>o0982231   | PC25-sq<br>12BEE_129AC               |      |      |      |       |       |       |
| 1(N57).SIG <br>AKA:  SIG×1(N57) <br>CDLI:  SIG×1(N57) <br>1× IV: 1p<br>o0982232          | PC25-sq<br>F22A6                     |      |      |      |       |       |       |
| 2(N57).SU~a <br>1× IV: 1u<br>o0982233  | UNP<br>F22A7                         |      |      |      |       |       |       |
| 1(N57).ŠAH <sub>2</sub> ~a <br>4× III: 4p<br>o0982234                                    | PC25-sq<br>F22A8                     |      |      |      |       |       |       |
| 1(N57).ŠUBUR <br>40× IV: 7p/1u;<br>III: 22p/10u<br>o0982235                              | PC25-sq<br>ZATU540<br>F221E<br>F221F |      |      |      |       |       |       |
| 2(N57).ŠUBUR <br>2× III: 2p<br>o0982236  | PC25-sq<br>F22A9                     |      |      |      |       |       |       |
| 3(N57).ŠUBUR <br>3× III: 3p<br>o0982237  | PC25-sq<br>ZATU540<br>F22AA          |      |      |      |       |       |       |
| 3(N57).UDU~a <br>o0982238  | ZERO<br>ZATU577<br>F22AB             |      |      |      |       |       |       |
| 2(N57).UDUNITA~a <br>o0982239  | ZERO<br>F22AC                        |      |      |      |       |       |       |
| 3(N57).UDUNITA~a <br>o0982240  | ZERO<br>F22AD                        |      |      |      |       |       |       |
| 1(N57).URU~a1 <br>AKA:  URU~a1×1(N57) <br>CDLI:  URU~a1×1(N57) <br>1× IV: 1p<br>o0981472 | PC25-sq<br>ZATU601<br>F22AE          |      |      |      |       |       |       |
| 2(N57).URU~a1 <br>AKA:  URU~a1×2(N57) <br>CDLI:  URU~a1×2(N57) <br>1× IV: 1u<br>o0981473 | UNP<br>ZATU601<br>F22AF              |      |      |      |       |       |       |



## B ZATU-PCSL Concordance

|          |  |                          |  |   |   |
|----------|--|--------------------------|--|---|---|
| ZATU001  | 𐎠 A  | ZATU036                  | 𐎠 ASAR   | ZATU069   | 𐎠 DAR~a; 𐎠 DAR~b;   |
| ZATU002  | 𐎠  A×EN~a  | ZATU037                  | 𐎠 1(N57)                                       | 𐎠 DAR~c; 𐎠 DAR~d                                  |   |
| ZATU003  | 𐎠  A×ŠUBUR   | ZATU038                  | 𐎠 AZ   | ZATU070   | 𐎠 DARA <sub>3</sub> ~a; 𐎠 DARA <sub>3</sub> ~b;   |
| ZATU004  | 𐎠  A×1(N14)  | ZATU039                  | 𐎠 AZU  | 𐎠 DARA <sub>3</sub> ~c; 𐎠 DARA <sub>3</sub> ~d    |   |
| ZATU005  | 𐎠  A×ZATU672   | ZATU040                  | 𐎠 BA   | ZATU071   | 𐎠  DARA <sub>3</sub> ~c×KAR <sub>2</sub>  ;   |
| ZATU006  | 𐎠 A <sub>2</sub>   | ZATU041                  | 𐎠 BAD  | 𐎠  DARA <sub>3</sub> ~d×KAR <sub>2</sub> ~b       |   |
| ZATU007  | 𐎠 AB~a; 𐎠 AB~b   | ZATU042                  | 𐎠  BAD&BAD                                     | ZATU072   | 𐎠  DARA <sub>3</sub> ~c×(KAR <sub>2</sub> .ŠE~a) ;  |
| ZATU008  | 𐎠  AB~b×A  | ZATU043                  | 𐎠  1(N58).BAD ;                                | 𐎠  DARA <sub>3</sub> ~d×(KAR <sub>2</sub> .ŠE~a)  |   |
| ZATU009  | 𐎠  AB~a×AŠ <sub>2</sub>  | ZATU044                  | 𐎠  (1(N58).BAD)~b                              | ZATU073   | 𐎠 DARA <sub>4</sub> ~a1; 𐎠 DARA <sub>4</sub> ~a2;   |
| ZATU010  | 𐎠  AB~a×ZATU659  | ZATU045                  | 𐎠 BAD <sub>3</sub> ~a; 𐎠 BAD <sub>3</sub> ~b1; | 𐎠 DARA <sub>4</sub> ~a3; 𐎠 DARA <sub>4</sub> ~b;  |   |
| ZATU011  | 𐎠 AB~a@g   | 𐎠 BAD <sub>3</sub> ~b2   | ZATU046  | 𐎠 DARA <sub>4</sub> ~c; 𐎠 DARA <sub>4</sub> ~c1;  |   |
| ZATU012  | 𐎠 AB <sub>2</sub>  | ZATU047                  | 𐎠 BAHAR <sub>2</sub> ~a;                       | 𐎠 DARA <sub>4</sub> ~c2; 𐎠 DARA <sub>4</sub> ~c3; |   |
| ZATU013  | 𐎠  AB <sub>2</sub> ×2(N14)   | 𐎠 BAHAR <sub>2</sub> ~b; | ZATU048  | 𐎠 DARA <sub>4</sub> ~c4; 𐎠 DARA <sub>4</sub> ~c5; |   |
| ZATU014  | 𐎠  2(N57).AB <sub>2</sub>  | 𐎠 BAHAR <sub>2</sub> ~c  | ZATU049  | 𐎠 DARA <sub>4</sub> ~d                            |   |
| ZATU014a | ZATU gives  2(N57)+AB <sub>2</sub>   and  3(N57)+AB <sub>2</sub>  ; Corpus has  3(N57).AB <sub>2</sub>   / 4(N57).AB <sub>2</sub>   in ATU 1, 610 = P005961 ii 5-6 read 3(N57) AB <sub>2</sub> 4(N57) AB <sub>2</sub> in CDLI. | ZATU050                  | 𐎠 BALA~a; 𐎠 BALA~b                             | ZATU074   | ZATU074 DARA <sub>4</sub> +BAD+BAD reread in ATU 3 p.154 W20421,2 = Lú Vorläufer (Tf.23) O0305 as Rl <sub>6</sub> -a? DARA <sub>4</sub> -b. |
| ZATU015  | 𐎠  NUN~a.ME~a  | ZATU051                  | 𐎠 BALAG  | ZATU075   | 𐎠 DI  |
| ZATU016  | 𐎠  NUN~a.ME~a.DU   | ZATU052                  | 𐎠 BAN~a; 𐎠 BAN~b                               | ZATU076   | 𐎠 DIB   |
| ZATU017  | 𐎠 ABZU   | ZATU053                  | 𐎠 BANŠUR~a;                                    | ZATU077   | 𐎠 DILMUN  |
| ZATU018  | 𐎠 AD~a; 𐎠 AD~b; 𐎠 AD~c   | ZATU054                  | 𐎠 BANŠUR~b1;                                   | ZATU078   | 𐎠 DIM~a; 𐎠 DIM~b;   |
| ZATU019  | 𐎠 ADAB   | ZATU055                  | 𐎠 BANŠUR~b2;                                   | 𐎠 DIM~c   |   |
| ZATU020  | 𐎠 ADDA   | ZATU056                  | 𐎠 BANŠUR~c                                     | ZATU079   | 𐎠 DIN   |
| ZATU021  | 𐎠  NINDA <sub>2</sub> ×(1(N06).HI@g~a)   | ZATU057                  | 𐎠 BAPPIR~a; 𐎠 BAPPIR~b;                        | ZATU080   | 𐎠 DIN@t   |
| ZATU022  | 𐎠 AGAR <sub>2</sub>  | ZATU058                  | 𐎠 BAPPIR~c; 𐎠 BAPPIR~d;                        | ZATU081   | 𐎠  1(N58)   |
| ZATU023  | 𐎠 AK~a; 𐎠 AK~b   | ZATU059                  | 𐎠 BAPPIR~e; 𐎠 BAPPIR~f                         | ZATU082   | 𐎠 DU  |
| ZATU024  | 𐎠 AL   | ZATU060                  | 𐎠 BAR  | ZATU083   | 𐎠 DU <sub>6</sub> ~a; 𐎠 DU <sub>6</sub> ~b; 𐎠 DU <sub>6</sub> ~c  |
| ZATU025  | 𐎠 ALAN~a; 𐎠 ALAN~b;  | ZATU061                  | 𐎠 BARA <sub>2</sub> ~a; 𐎠 BARA <sub>2</sub> ~b | ZATU084   | 𐎠 DU <sub>7</sub>   |
|          | 𐎠 ALAN~c; 𐎠 ALAN~d;  | ZATU062                  | 𐎠 BARA <sub>3</sub>                            | ZATU085   | 𐎠 DU <sub>8</sub> ~a; 𐎠 DU <sub>8</sub> ~b;   |
|          | 𐎠 ALAN~e   | ZATU063                  | 𐎠 BIR~a; 𐎠 BIR~b;                              | 𐎠 DU <sub>8</sub> ~c                              |   |
| ZATU026  | 𐎠 ALIM   | ZATU064                  | 𐎠 BIR <sub>3</sub> ~a; 𐎠 BIR <sub>3</sub> ~b;  | ZATU086   | 𐎠 DUB~a; 𐎠 DUB~b;   |
| ZATU027  | 𐎠 AM~a; 𐎠 AM~b   | ZATU065                  | 𐎠 BIR <sub>3</sub> ~c                          | 𐎠 DUB~c; 𐎠 DUB~d;                                 |   |
| ZATU028  | 𐎠 AMA~a; 𐎠 AMA~b   | ZATU066                  | 𐎠 BU~a; 𐎠 BU~b                                 | 𐎠 DUB~e; 𐎠 DUB~f;                                 |   |
| ZATU029  | 𐎠 AMAR   | ZATU067                  | 𐎠  BU~a×A                                      | 𐎠 DUB~h   |   |
| ZATU030  | 𐎠  AMAR×TAR~c  | ZATU068                  | 𐎠  (BU~a&BU~a).NA <sub>2</sub> ~a ;            | ZATU087   | 𐎠  (DUB@n~a×1(N58))~a ;   |
| ZATU031  | * AN   | ZATU069                  | 𐎠  (BU~a&BU~a).NA <sub>2</sub> ~b              | 𐎠  (DUB@n~a×1(N58))~b ;                           |   |
| ZATU032  | 𐎠 ANŠE~a; 𐎠 ANŠE~b;  | ZATU070                  | 𐎠  BU~a+DU <sub>6</sub> ~a                     | 𐎠  DUB@n~b×1(N58)~a                               |   |
|          | 𐎠 ANŠE~c; 𐎠 ANŠE~e;  | ZATU071                  | 𐎠 BU <sub>3</sub>                              | ZATU088   | 𐎠 DUG~a; 𐎠 DUG~b;   |
|          | 𐎠 ANŠE~f   | ZATU072                  | 𐎠 BULUG  | 𐎠 DUG~c; 𐎠 DUG~d                                  |   |
| ZATU033  | 𐎠 APIN~a; 𐎠 APIN~b;  | ZATU073                  | 𐎠 BULUG <sub>3</sub>                           | ZATU089   | 𐎠  DUG~b×AB <sub>2</sub>  |
|          | 𐎠 APIN~c   | ZATU074                  | 𐎠 BUR~a; 𐎠 BUR~b; 𐎠 BUR~c;                     | ZATU090   | 𐎠  DUG~b×ANŠE~b ;   |
| ZATU034  | 𐎠 ARARMA <sub>2</sub> ~a;  | ZATU075                  | 𐎠 BUR~d  | 𐎠  DUG~b×ANŠE~d                                   |   |
|          | 𐎠  U <sub>4</sub> .AB~b  | ZATU076                  | 𐎠 BUR <sub>2</sub>                             | ZATU091   | 𐎠  DUG~a×1(N57) ;   |
| ZATU035  | 𐎠  3(N57).LAM~a.KUR~a.RU   | ZATU077                  | 𐎠 DA~a; 𐎠 DA~b;                                | 𐎠  DUG~b×1(N57) ;                                 |   |
|          |  | ZATU078                  | 𐎠 DA~c; 𐎠 DA~d                                 | 𐎠  DUG~c×1(N57)                                   |   |
|          |  | ZATU079                  | 𐎠 DAH  | ZATU092   | 𐎠  DUG~b×(1(N57).KU <sub>3</sub> ~a)  |
|          |  | ZATU080                  | 𐎠 DAM  | ZATU093   | 𐎠  DUG~b×BA   |
|          |  | ZATU081                  | 𐎠 DANNA  | ZATU094   | 𐎠  DUG~b×BALA~a   |
|          |  | ZATU082                  |  | ZATU095   | 𐎠  DUG~b×BIR <sub>3</sub> ~c  |
|          |  | ZATU083                  |  | ZATU096   | 𐎠  DUG~b×DIN  |

|         |   |         |  |         |  |
|---------|---|---------|--|---------|--|
| ZATU097 | DUG~b×GA~a ;<br> DUG~b×GA~b                                   | ZATU132 | DU.U4.1(N14).1(N08) ;<br>E3~b  | ZATU166 | GA2~b×DUB~a ;<br> GA2~b×DUB~b  |
| ZATU098 | DUG~b×GEŠTU~a ;<br> DUG~b×GEŠTU~b                             | ZATU133 | EDIN   | ZATU167 | GA2~a1×GIR~a   |
| ZATU099 | DUG~b×GI6   | ZATU134 | EN~a;  EN~b;<br>EN~c;  EN~e  | ZATU168 | GA2~a1×GIŠ@t   |
| ZATU100 | DUG~b×GIŠ   | ZATU135 | NUN~a+EN~a ;<br> NUN~a+EN~b ;<br> NUN~a+EN~d ;<br> NUN~b+EN~a  | ZATU169 | GA2~a2×(ŠE3.GU4)   |
| ZATU101 | DUG~b×HI  | ZATU136 | ZATU EN+UDU(?) read in CDLI<br>as X in hapax ATU 1,<br>342=P001563 ATU 5, pl. 104,<br>W 9656,es i 1. | ZATU170 | GA2~a1×HI  |
| ZATU102 | DUG~b×HI@g~a  | ZATU137 | EN@g~a;  EN@g~b  | ZATU171 | GA2~a1×(HI.SUHUR)  |
| ZATU103 | DUG~a×KASKAL ;<br> DUG~b×KASKAL                               | ZATU138 | EN2  | ZATU172 | GA2~a1×KU3~a ;<br> GA2~b×KU3~a   |
| ZATU104 | DUG~a×KU6~a ;<br> DUG~b×KU6~a                                 | ZATU139 | EN~a.ME~a.MU   | ZATU173 | GA2~a1×KU6~a ;<br> GA2~b×KU6~a   |
| ZATU105 | DUG~b×KUR~a ;<br> DUG~b×KUR~b                                 | ZATU140 | EN~a.ME~a.GI   | ZATU174 | GA2~a1×(KU6~a+KU6~a)   |
| ZATU106 | DUG~a×LAM~b ;<br> DUG~b×LAM~a                                 | ZATU141 | EN~a.EZEN~b×ŠE~a@t.NUN~a.SIG7  | ZATU175 | LAGAB~b×KUR~e  |
| ZATU107 | DUG~b×KUR@g~a   | ZATU142 | EN~a.KID~a   | ZATU176 | GA2~a1×MAŠ   |
| ZATU108 | DUG~b×MAŠ   | ZATU143 | ERIM~a;  ERIM~b1;<br>ERIM~b2   | ZATU177 | GA2~a1×NAGA~a  |
| ZATU109 | DUG~a×NAGA~a ;<br> DUG~b×NAGA~a                               | ZATU144 | NE~a.RU  | ZATU178 | GA2~a2×NI~a ;<br> GA2~a2×NI~b  |
| ZATU110 | DUG~b×SA~a  | ZATU145 | ERIN   | ZATU179 | GA2~a1×SUHUR ;<br> GA2~a2×SUHUR  |
| ZATU111 | DUG~b×(SA~a.GI)   | ZATU146 | 3(N57)   | ZATU180 | GA2~a1×SUKUD   |
| ZATU112 | DUG~b×SI4~a   | ZATU147 | EŠDA   | ZATU181 | GA2~a1×SUMAŠ   |
| ZATU113 | DUG~b×SIG2~a1 ;<br> DUG~b×SIG2~a2                             | ZATU148 | EŠDA×TAR~a   | ZATU182 | GA2~a1×1(N14)  |
| ZATU114 | DUG~b×SIG7  | ZATU149 | EŠGAR  | ZATU183 | GA2~a1×U4  |
| ZATU115 | DUG~b×SUHUR   | ZATU150 | EZEN~a;  EZEN~b;<br>EZEN~b@t;  EZEN~c  | ZATU184 | GA'AR~a1;  GA'AR~a2;<br>GA'AR~b1;  GA'AR~b2                                  |
| ZATU116 | DUG~b×SUKUD~d   | ZATU151 | EZEN~a×EN~a ;<br> EZEN~a×EN~b  | ZATU185 | ZATU737×BUR~a  |
| ZATU117 | DUG~b×ŠAH2~a  | ZATU152 | EZEN~a×KAB   | ZATU186 | GADA~a;  GADA~b  |
| ZATU118 | DUG~b×ŠE~a  | ZATU153 | EZEN~a×NIM~b2  | ZATU187 | GADA~b@g   |
| ZATU119 | DUG~b×(ŠE~a.NAM2)   | ZATU154 | EZEN~a×NIMGIR  | ZATU188 | GAL~a;  GAL~b  |
| ZATU120 | DUG~b×TAK4~a  | ZATU155 | EZEN~a×RAD~a   | ZATU189 | GALGA~a;  GALGA~b  |
| ZATU121 | DUG~b×TI  | ZATU156 | EZEN~a×SU~a  | ZATU190 | GAN~a;  GAN~b;<br>GAN~c  |
| ZATU122 | DUG~a×U2~a ;<br> DUG~a×U2~b ;<br> DUG~b×U2~a ;<br> DUG~b×U2~b | ZATU157 | EZEN~a×(U2~b.A)  | ZATU191 | GAN~c×(HI.DIN)   |
| ZATU123 | DUG~b×UH3~a   | ZATU158 | EZINU~a;  EZINU~b;<br>EZINU~c;  EZINU~d  | ZATU192 | GAN~c×LAGAB~b  |
| ZATU124 | DUG~b×ZATU764   | ZATU159 | GA~a;  GA~b;<br>GA~c   | ZATU193 | GAN~c×NE~a   |
| ZATU125 | DUGUD   | ZATU160 | GA~c×1(N14)  | ZATU194 | GAN~c×ŠE~a   |
| ZATU126 | DUR~a;  DUR~b   | ZATU161 | GA~a.ZATU753   | ZATU195 | GAN2   |
| ZATU127 | DUR2  | ZATU162 | GA2~a1;  GA2~a2;<br>GA2~a3;  GA2~a4;<br>GA2~b;  GA2~c  | ZATU196 | GAR  |
| ZATU128 | E~a;  E~b;  E~c;  E~d   | ZATU163 | ZATU762~b×AB~a   | ZATU197 | GAR@g~a;  GAR@g~b;<br>GAR@g~c  |
| ZATU129 | E2~a;  E2~b;  E2~c;<br>E2~d                                   | ZATU164 | GA2~a1×1(N57)  | ZATU198 | GAR3   |
| ZATU130 | KUR~a.E2~a ;<br> KUR~b.E2~a                                   | ZATU165 | Only in UET II as BAU328 =<br> GA2×1(N58).BAD .  | ZATU199 | GARA2~a;  GARA2~b  |
| ZATU131 | E2~a×1(N58@t) ;<br> E2~b×1(N58@t)                             |         |  | ZATU200 | GAZI   |
|         |   |         |  | ZATU201 | SAL.KUR~a  |
|         |   |         |  | ZATU202 | GEŠTIN~a;  GEŠTIN~d;<br>GEŠTIN~e   |
|         |   |         |  | ZATU203 | GEŠTU~a;  GEŠTU~b;<br>GEŠTU~c3;  GEŠTU~c5                                    |
|         |   |         |  | ZATU204 | GI   |
|         |   |         |  | ZATU205 | ATU 1, 28=P001294 ATU 5, pl.<br>068, W 9579,av read  GI&GI <br> GI×SIG2~d1 ; |
|         |   |         |  | ZATU206 | (GI&GI)×ŠE3  |
|         |   |         |  | ZATU207 | GI×GIŠ@t   |

|         |   |         |   |         |   |
|---------|---|---------|---|---------|---|
| ZATU208 | GI×LAGAB~a  | ZATU242 | GUL   | ZATU282 | KALAM~a;  KALAM~b;<br>KALAM~c;  KALAM~d;<br>KALAM~e;  KALAM~f;<br>KALAM~g;<br>KALAM~h;<br>KALAM~h2  |
| ZATU209 | GI×NAM <sub>2</sub>   | ZATU243 | GUM~a;  GUM~b   | ZATU283 | TE.A  |
| ZATU210 | GI×SIG <sub>2</sub> ~d1   | ZATU244 | GUM~b@n   | ZATU284 | KAR <sub>2</sub> ~a;  KAR <sub>2</sub> ~b   |
| ZATU211 | GI×1(N14)   | ZATU245 | GUN <sub>3</sub> ~a;  GUN <sub>3</sub> ~b   | ZATU285 | KASKAL  |
| ZATU212 | GI <sub>4</sub> ~a;  GI <sub>4</sub> ~b   | ZATU246 | GUR   | ZATU286 | KAŠ~a;  KAŠ~b;<br>KAŠ~d   |
| ZATU213 | GI <sub>6</sub>   | ZATU247 | GURUŠ~a;  GURUŠ~b   | ZATU287 | KAŠ~c   |
| ZATU214 | GIBIL   | ZATU248 | GURUŠ~a×2(N14) ;<br> GURUŠ~b×2(N14) ;<br> GURUŠ~c×2(N14)                                  | ZATU288 | KAŠ~b×ŠE~a@t  |
| ZATU215 | NE~c.GI   | ZATU249 | GURUŠDA   | ZATU289 | KI  |
| ZATU216 | GIR~a;  GIR~b;  GIR~c;<br>GIR~d   | ZATU250 | HAL   | ZATU290 | KIB   |
| ZATU217 | KU <sub>6</sub> ~d  | ZATU251 | HALUB   | ZATU291 | KID~a;  KID~b;<br>KID~c;  KID~d;<br>KID~e   |
| ZATU218 | GIR <sub>2</sub> ~a;  GIR <sub>2</sub> ~b   | ZATU252 | HAŠHUR  | ZATU292 | KIN   |
| ZATU219 | GIR <sub>3</sub> ~a;  GIR <sub>3</sub> ~b;<br>GIR <sub>3</sub> ~c                           | ZATU253 | HAŠHUR×MA   | ZATU293 | KIN <sub>2</sub> ~a;  KIN <sub>2</sub> ~b;  KIN <sub>2</sub> ~c;<br>KIN <sub>2</sub> ~d;  KIN <sub>2</sub> ~e                               |
| ZATU220 | GIR <sub>3</sub> ~a×ŠE~b  | ZATU254 | HI;  HI~b   | ZATU294 | UKKIN~a.GAL~a   |
| ZATU221 | GIR <sub>3</sub> @g~a;<br>GIR <sub>3</sub> @g~b;  GIR <sub>3</sub> @g~c                     | ZATU255 | HI×1(N57@t)   | ZATU295 | KISAL~a1;  KISAL~a2;<br>KISAL~b1;  KISAL~b2;<br>KISAL~b3  |
| ZATU222 | GISAL~a;  GISAL~b   | ZATU256 | HI.SUHUR  | ZATU296 | KISIM~a;  KISIM~b;<br>KISIM~c   |
| ZATU223 | GIŠ   | ZATU257 | HI×ZATU707~a  | ZATU297 | KIŠ   |
| ZATU224 | (GIŠ×(DIN.DIN))~a ;<br> (GIŠ×(DIN.DIN))~b ;<br> (GIŠ×(DIN.DIN))~c                           | ZATU258 | HI@g~a;  HI@g~b;<br>HI@g~c  | ZATU298 | KIŠIK~a;  KIŠIK~b   |
| ZATU225 | (GIŠ×ŠU <sub>2</sub> )~a ;<br> (GIŠ×ŠU <sub>2</sub> )~b                                     | ZATU259 | I   | ZATU299 | BU~b.KALAM~a  |
| ZATU226 | GIŠ.TE  | ZATU260 | IB~a;  IB~b;  IB~c  | ZATU300 | KU~a;  KU~b1;  KU~b2  |
| ZATU227 | GIŠ@t   | ZATU261 | IDIGNA  | ZATU301 | KU <sub>3</sub> ~a;  KU <sub>3</sub> ~c   |
| ZATU228 | GIŠ <sub>3</sub> ~a;  GIŠ <sub>3</sub> ~b   | ZATU262 | IL  | ZATU302 | KU <sub>6</sub> ~a;  KU <sub>6</sub> ~c   |
| ZATU229 | GIŠGAL  | ZATU263 | NAGAR~a.BU~a ;<br> NAGAR~b.BU~a   | ZATU303 | KU <sub>6</sub> ~a+KU <sub>6</sub> ~a   |
| ZATU230 | GIŠIMMAR~a1;<br>GIŠIMMAR~a2;<br>GIŠIMMAR~a3;<br>GIŠIMMAR~b1;<br>GIŠIMMAR~b2;<br>GIŠIMMAR~b3 | ZATU264 | IM~a;  IM~b   | ZATU304 | KUR~a;  KUR~b;<br>KUR~c;  KUR~d   |
| ZATU231 | GEŠTU~a.NAGA~a  | ZATU265 | IN~b  | ZATU305 | KUŠU <sub>2</sub> ~a;  KUŠU <sub>2</sub> ~b;<br>KUŠU <sub>2</sub> ~c;  KUŠU <sub>2</sub> ~d;<br>KUŠU <sub>2</sub> ~e;  KUŠU <sub>2</sub> ~f |
| ZATU232 | GU  | ZATU266 | IN~d  | ZATU306 | LA~b;  LA~c;  LA~d  |
| ZATU233 | GU <sub>2</sub>   | ZATU267 | IR~a;  IR~b;  IR~c;<br>IR~d   | ZATU307 | LA <sub>2</sub>   |
| ZATU234 | GU <sub>4</sub>   | ZATU268 | UŠ~a.KUR~a  | ZATU308 | LAGAB~a;  LAGAB~b   |
| ZATU235 | GU <sub>7</sub>   | ZATU269 | IRHAN   | ZATU309 | LAGAB~b×BANŠUR~a  |
| ZATU236 | GUB <sub>3</sub> ~a;  GUB <sub>3</sub> ~b;<br>GUB <sub>3</sub> ~c;  GUB <sub>3</sub> ~d     | ZATU270 | IŠ~a;  IŠ~b;  IŠ~c  | ZATU310 | LAGAB~a×DU <sub>6</sub> ~a  |
| ZATU237 | GUG <sub>2</sub>  | ZATU271 | KA~a  | ZATU311 | LAGAB~b×GA'AR~a1  |
| ZATU238 | GUG <sub>2</sub> ×SILA <sub>3</sub> ~a  | ZATU272 | Read as sequence KA GI.   | ZATU312 | LAGAB~b×HI  |
| ZATU239 | GUG <sub>2</sub> ×TUR   | ZATU273 | KA~a×SAR~a  | ZATU313 | LAGAB~a×KU <sub>6</sub> ~a  |
| ZATU240 | GUKKAL~a;<br>GUKKAL~b;<br>GUKKAL~c;<br>GUKKAL~d   | ZATU274 | KA~a.ŠE~a   | ZATU314 | LAGAB~a×KUŠU <sub>2</sub> ~a@t  |
| ZATU241 | GUKKAL~a.HI@g~a   | ZATU275 | KA <sub>2</sub> ~a;  KA <sub>2</sub> ~b;<br>KA <sub>2</sub> ~c                            | ZATU315 | LAGAB~a×ME~a  |
|         |   | ZATU276 | KA <sub>2</sub> ~d×LAM~b  | ZATU316 | LAGAB~a×NUN~b   |
|         |   | ZATU277 | KAB   | ZATU317 | LAGAB~a×PA~a ;<br> LAGAB~b×PA~a   |
|         |   | ZATU278 | KAB×1(N58)  | ZATU318 | LAGAB~a×ŠA  |
|         |   | ZATU279 | KAD <sub>4</sub> ~a;  KAD <sub>4</sub> ~b;<br>KAD <sub>4</sub> ~c1;  KAD <sub>4</sub> ~c2 |         |   |
|         |   | ZATU280 | KAK~a;  KAK~b   |         |   |
|         |   | ZATU281 | KAL~a;  KAL~b1;<br>KAL~b2   |         |   |

|         |   |         |  |                  |   |
|---------|---|---------|--|------------------|---|
| ZATU319 | ⊕  LAGAB~a×ŠITA~a   | ZATU360 | ⊕ MEN~a; ⊕ MEN~b   | ZATU395          | See new copy of ATU 1, 143 in P001212=ATU 5, pl. 054, W 9335,i.   |
| ZATU320 | ⊕  LAGAB~a×2(N14)   | ZATU361 | ⊕ MES  | ZATU396          | ⊕ NI <sub>2</sub>   |
| ZATU321 | ⊕  LAGAB~a×ZATU753  | ZATU362 | ⊕ MIR~a; ⊕ MIR~b   | ZATU397          | ⊕ NIGIN   |
| ZATU322 | LAGAB×ZATU766 ; collation on P004228 o i 4b suggests not all of LAGAB is present; read X in CDLI-tc | ZATU363 | →→ MU  | ZATU398          | ⊕ NIM~a; ⊕ NIM~b1;<br>⊕ NIM~b2; ⊕ NIM~b3;<br>⊕ NIM~d  |
| ZATU323 | ⊕ LAGAR~a;<br>⊕ LAGAR~b1;<br>⊕ LAGAR~b2; ⊕ LAGAR~c  | ZATU364 | ⊕ MUD  | ZATU399          | ⊕ NIMGIR  |
| ZATU324 | ⊕  ŠITA~a1.MUD3~a   | ZATU365 | ⊕ MUD <sub>3</sub> ~a; ⊕ MUD <sub>3</sub> ~b;<br>⊕ MUD <sub>3</sub> ~c; ⊕ MUD <sub>3</sub> ~d                                  | ZATU400          | ⊕  SAL.NAM <sub>2</sub>   |
| ZATU325 | ⊕ LAL <sub>2</sub> ~a; ⊕ LAL <sub>2</sub> ~b  | ZATU366 | ⊕ MUD <sub>3</sub> ~a@g  | ZATU401          | ⊕ NINDA <sub>2</sub>  |
| ZATU326 | ⊕  LAL <sub>2</sub> ~a×EZEN~a   | ZATU367 | ⊕ MUL  | ZATU402          | ⊕  NINDA <sub>2</sub> ×BA   |
| ZATU327 | ⊕ LAL <sub>3</sub> ~a; ⊕ LAL <sub>3</sub> ~b  | ZATU368 | ⊕ MUN~a1; ⊕ MUN~a2;<br>⊕ MUN~a3; ⊕ MUN~a4;<br>⊕ MUN~b  | ZATU403          | ⊕  NINDA <sub>2</sub> ×EZEN~b   |
| ZATU328 | ⊕ LAM~a; ⊕ LAM~b  | ZATU369 | ⊕ MUNŠUB~a;<br>⊕ MUNŠUB~b  | ZATU404          | ⊕  NINDA <sub>2</sub> ×GAR  |
| ZATU329 | ⊕ KUR@g~a; ⊕ KUR@g~b;<br>⊕ LAM~b@s  | ZATU370 | ⊕ MUNU <sub>3</sub>  | ZATU405          | ⊕  NINDA <sub>2</sub> ×GIŠ  |
| ZATU330 | →→ LI   | ZATU371 | ⊕  SAL.LAGAR~a   | ZATU406          | ⊕  NINDA <sub>2</sub> ×(AN.ME~a) ;<br>⊕  NINDA <sub>2</sub> ×(HI.AN.ME~a) ;<br>⊕  NINDA <sub>2</sub> ×(HI.ME~a) ;<br>⊕  NINDA <sub>2</sub> ×GUDU <sub>4</sub> |
| ZATU331 | > LIŠ   | ZATU372 | ZATU MURUB <sub>3</sub> read ME~a EN~b LAGAR~b1 in hapax P000849=ATU 1, 480=ATU 5 pl. 17, W 6855, i 1, i.e.,  ŠITA~b2@g×HI@g~a | ZATU407          | ⊕  NINDA <sub>2</sub> ×HI   |
| ZATU332 | ⊕ LU <sub>2</sub>   | ZATU373 | ⊕ MUŠ  | ZATU408          | ⊕  NINDA <sub>2</sub> ×MAR~a ;<br>⊕  NINDA <sub>2</sub> ×MAR~b  |
| ZATU333 | ⊕  LU <sub>2</sub> ×GEŠTU~c3  | ZATU374 | ⊕ MUŠ <sub>3</sub> ~a; ⊕ MUŠ <sub>3</sub> ~b   | ZATU409          | ⊕  NINDA <sub>2</sub> ×U <sub>4</sub>   |
| ZATU334 | ⊕  LU <sub>2</sub> .GAL~a   | ZATU375 | ⊕ MUŠ <sub>3</sub> ~a@g  | ZATU410          | ⊕  NINDA <sub>2</sub> ×(UDU~a×TAR~a) ;<br>⊕  NINDA <sub>2</sub> ×(UDU~a×TAR~b)  |
| ZATU335 | ⊕ LUM   | ZATU376 | ⊕ MUŠEN  | ZATU411          | ⊕  EZEN~b×6(N57) ;<br>⊕  NINDA <sub>2</sub> ×1(N01) ;<br>⊕  NINDA <sub>2</sub> ×2(N01) ;<br>⊕  NINDA <sub>2</sub> ×1(N08)                                     |
| ZATU336 | ⊕ MA  | ZATU377 | ⊕  MUŠEN.UR <sub>3</sub> ~b2   | ZATU412          | ⊕  SAL.NAM <sub>2</sub> .EZEN~b×ŠE~a@t.NUN~a.SIG <sub>7</sub>   |
| ZATU337 | ⊕  MA×A   | ZATU378 | ⊕ NA~a; ⊕ NA~b; ⊕ NA~c;<br>⊕ NA~d  | ZATU413          | ⊕  E <sub>2</sub> ~a.NUN~a  |
| ZATU338 | ⊕  MA×MA  | ZATU379 | ⊕ NA <sub>2</sub> ~a; ⊕ NA <sub>2</sub> ~b1;<br>⊕ NA <sub>2</sub> ~b2; ⊕ NA <sub>2</sub> ~c                                    | ZATU414          | ⊕ NIR~a; ⊕ NIR~b  |
| ZATU339 | ⊕ MA <sub>2</sub>   | ZATU380 | ⊕ NAB  | ZATU415          | ⊕  NIR~a×AN   |
| ZATU340 | ⊕ MAGUR~a; ⊕ MAGUR~b  | ZATU381 | ⊕ NAGA~a; ⊕ NAGA~b   | ZATU416, ZATU570 | ⊕ NESAG <sub>2</sub> ~a;<br>⊕ NESAG <sub>2</sub> ~a2;<br>⊕ NESAG <sub>2</sub> ~b  |
| ZATU341 | ⊕ MAH~a; ⊕ MAH~b  | ZATU382 | ⊕ NAGAR~a; ⊕ NAGAR~b   | ZATU417          | ⊕ NU  |
| ZATU342 | ⊕  MAH~a×GUKKAL~a   | ZATU383 | ⊕ NAM~a; ⊕ NAM~b;<br>⊕ NAM~c; ⊕ NAM~d  | ZATU418          | ⊕ NU@g  |
| ZATU343 | ⊕  MAH~a×KU <sub>6</sub> ~a ;<br>⊕  MAH~b×KU <sub>6</sub> ~a  | ZATU384 | ⊕ NAM <sub>2</sub>   | ZATU419          | ⊕ NU <sub>11</sub>  |
| ZATU344 | ⊕  MAH~a×MAŠ ;<br>⊕  MAH~b×MAŠ  | ZATU385 | ⊕  NAM <sub>2</sub> ×1(N01)  | ZATU420          | ⊕ NUMUN <sub>2</sub>  |
| ZATU345 | ⊕  MAH~b×SAL  | ZATU386 | ⊕ NAM <sub>2</sub> @g  | ZATU421          | ⊕ NUN~a; ⊕ NUN~b;<br>⊕ NUN~c; ⊕ NUN~d   |
| ZATU346 | ⊕  MAH~a×(SILA <sub>3</sub> ~a×UMBIN~a)   | ZATU387 | ⊕  EŠDA.NAM <sub>2</sub>   | ZATU422          | ⊕  NUN~a+A  |
| ZATU347 | ⊕  MAH~a×TUG <sub>2</sub> ~a  | ZATU388 | ⊕  UR <sub>13</sub> ~a.NA~a ;<br>⊕  ŠEŠ~a.NA~a   | ZATU423          | ⊕ NUNUZ~a0; ⊕ NUNUZ~a1;<br>⊕ NUNUZ~a2; ⊕ NUNUZ~b1;<br>⊕ NUNUZ~b2; ⊕ NUNUZ~c   |
| ZATU348 | ⊕  MAH~a×UD <sub>5</sub> ~a   | ZATU389 | ⊕  AB~a×KU <sub>6</sub> ~a ;<br>⊕ NANŠE~a; ⊕ NANŠE~b   | ZATU424          | ⊕  3(N57).NUNUZ~a1 ;<br>⊕  3(N57).NUNUZ~c   |
| ZATU349 | ⊕  MAH~a×UDU~a  | ZATU390 | ⊕ NAR  | ZATU425          | ⊕ PA~a; ⊕ PA~b  |
| ZATU350 | ⊕  MAH~a×UR~a   | ZATU391 | ⊕ NE~a; ⊕ NE~b;<br>⊕ NE~c; ⊕ NE~d  | ZATU426          | ⊕ PAD~a; ⊕ PAD~b  |
| ZATU351 | ⊕  MAH~a×UTUA~a   | ZATU392 | ⊕  GIR <sub>3</sub> ~c.AB~a  |                  |   |
| ZATU352 | ⊕ MAR~a; ⊕ MAR~b  | ZATU393 | ⊕ NI~a; ⊕ NI~b   |                  |   |
| ZATU353 | ⊕  MAR~b×(LAGAB~b.ŠE <sub>3</sub> )   | ZATU394 | ⊕ NI~a@g   |                  |   |
| ZATU354 | ⊕  MAR~b×ŠE~a   |         |  |                  |   |
| ZATU355 | ⊕ MAŠ   |         |  |                  |   |
| ZATU356 | ZATU  MAŠ+GAN <sub>2</sub>   read as MAŠ GAN <sub>2</sub> in CDLI-tc                                |         |  |                  |   |
| ZATU357 | ⊕ MAŠ <sub>2</sub>  |         |  |                  |   |
| ZATU358 | ⊕ ME~a; ⊕ ME~b  |         |  |                  |   |
| ZATU359 | ⊕ ME <sub>3</sub>   |         |  |                  |   |

|         |   |                  |   |         |   |
|---------|---|------------------|---|---------|---|
| ZATU427 | PAP~a; PAP~b  | ZATU460, ZATU472 | SILA <sub>3</sub> ~a×NI~a ;   | ZATU494 | (SUKUD+SUKUD)~a ;   |
| ZATU428 | PIRIG~a1; PIRIG~a2;<br>PIRIG~a3; PIRIG~b1;<br>PIRIG~b2  |                  | SILA <sub>3</sub> ~b×NI~a ;   |         | (SUKUD+SUKUD)~b ;   |
| ZATU429 | 3(N57).PIRIG~b1   |                  | SILA <sub>3</sub> ~b×NI~b ;   |         | (SUKUD+SUKUD)~d   |
| ZATU430 | PU <sub>2</sub>   | ZATU461          | SILA <sub>3</sub> ~a×GARA <sub>2</sub> ~a   | ZATU495 | SUKUD@g~a;  |
| ZATU431 | RA  | ZATU462, ZATU469 |   |         | SUKUD@g~b;  |
| ZATU432 | RAD~a; RAD~b  |                  | SILA <sub>3</sub> ~a×GEŠTU~a ;  |         | SUKUD@g~c;  |
| ZATU433 | RAD~a@g   |                  | SILA <sub>3</sub> ~a×GEŠTU~c3 ;   |         | SUKUD@g~d   |
| ZATU434 | Rl <sub>8</sub> ~a; Rl <sub>8</sub> ~b  | ZATU463          | SILA <sub>3</sub> ~a×HAŠHUR   | ZATU496 | SUM~a; SUM~b  |
| ZATU435 | RU  | ZATU464          | SILA <sub>3</sub> ~a×HI   | ZATU497 | SUMAŠ   |
| ZATU436 | SA~a; SA~c  | ZATU465          | SILA <sub>3</sub> ~a×HI@g~a   | ZATU498 | SUR   |
| ZATU437 | SAG   | ZATU466          | SILA <sub>3</sub> ~a×IB~a   | ZATU499 | MUŠ <sub>3</sub> ~a.ERIN  |
| ZATU438 | SAG×GEŠTU~a ;<br> SAG×GEŠTU~b ;<br> SAG×GEŠTU~c   | ZATU467          | SILA <sub>3</sub> ~a×KAŠ~a ;  | ZATU500 | ŠA  |
| ZATU439 | SAG×MA  |                  | SILA <sub>3</sub> ~a×KAŠ~c ;  | ZATU501 | (ŠA×HI@g~a)~a ;<br> (ŠA×HI@g~a)~b   |
| ZATU440 | SAG×1(N14)  | ZATU467          | SILA <sub>3</sub> ~a×KAŠ~d  | ZATU502 | ŠA@g  |
| ZATU441 | SAG@n   | ZATU468          | SILA <sub>3</sub> ~a×KUR~a  | ZATU503 | ŠA <sub>3</sub> ~a1; ŠA <sub>3</sub> ~a2; ŠA <sub>3</sub> ~b;<br>ŠA <sub>3</sub> ~c; ŠA <sub>3</sub> ~d |
| ZATU442 | SAGŠU   | ZATU469          | see ZATU462   | ZATU504 | PA~a.IB~a ;<br> PAP~a.IB~a  |
| ZATU443 | SAL   | ZATU470          | SILA <sub>3</sub> ~a×MAŠ  | ZATU505 | Delete, W 14777,e = P002181<br>now read GAL~a ŠAB~a AL.   |
| ZATU444 | SANGA~a; SANGA~b;<br>SANGA~c; SANGA~e   | ZATU471          | SILA <sub>3</sub> ~a×NAGA~a ;   |         |   |
| ZATU445 | SAR~a; SAR~b;<br>SAR~c; SAR~d   |                  | SILA <sub>3</sub> ~b×NAGA~b   | ZATU506 | ŠAGAN   |
| ZATU446 | KU <sub>6</sub> ~a@s  | ZATU472          | see ZATU460   | ZATU507 | ŠAGINA  |
| ZATU447 | SI  | ZATU473          | SILA <sub>3</sub> ~a×MA   | ZATU508 | ŠAH <sub>2</sub> ~a; ŠAH <sub>2</sub> ~b;<br>ŠAH <sub>2</sub> ~c  |
| ZATU448 | SI×GU <sub>4</sub>  | ZATU474          | SILA <sub>3</sub> ~a×SUM~a ;  | ZATU509 | ŠAKIR~a; ŠAKIR~b;<br>ŠAKIR~c  |
| ZATU449 | SI×ŠE <sub>3</sub>  |                  | SILA <sub>3</sub> ~a×SUM~b  |         |   |
| ZATU450 | Sl <sub>4</sub> ~a; Sl <sub>4</sub> ~b; Sl <sub>4</sub> ~c;<br>Sl <sub>4</sub> ~d; Sl <sub>4</sub> ~f   | ZATU475          | SILA <sub>3</sub> ~a×ŠE~a   | ZATU510 | ŠAM <sub>2</sub>  |
| ZATU451 | SIG; SIG~b  | ZATU476          | SILA <sub>3</sub> ~a×ŠU ;   | ZATU511 | ŠE~a; ŠE~b;<br>ŠE~c   |
| ZATU452 | SIG <sub>2</sub> ~a1; SIG <sub>2</sub> ~a2;<br>SIG <sub>2</sub> ~a3; SIG <sub>2</sub> ~a4;<br>SIG <sub>2</sub> ~b; SIG <sub>2</sub> ~c1;<br>SIG <sub>2</sub> ~c2; SIG <sub>2</sub> ~d1;<br>SIG <sub>2</sub> ~d2; SIG <sub>2</sub> ~d3;<br>SIG <sub>2</sub> ~d4; SIG <sub>2</sub> ~e | ZATU477          | SILA <sub>3</sub> ~a×ŠU <sub>2</sub>  |         |   |
| ZATU453 | SIG <sub>2</sub> ~b×1(N14)  | ZATU478          | SILA <sub>3</sub> ~a×(ZATU659.TU~c)   | ZATU512 | ŠE~a.KIN <sub>2</sub> ~c  |
| ZATU454 | SIG <sub>4</sub>  | ZATU479          | Delete, W 16012,b+ =<br>P002571 now read UDU ŠITA.  | ZATU513 | ŠE~a.NAM <sub>2</sub>   |
| ZATU455 | SIG <sub>7</sub>  | ZATU480          | SILA <sub>3</sub> ~c×ZATU687  | ZATU514 | SAR~a×ŠE~a  |
| ZATU456 | SILA <sub>3</sub> ~a; SILA <sub>3</sub> ~b;<br>SILA <sub>3</sub> ~c   | ZATU481          | SILA <sub>3</sub> ~a×1(N57) ;   | ZATU515 | ŠE~a&ŠE~a   |
| ZATU457 | SILA <sub>3</sub> ~a×A  |                  | SILA <sub>3</sub> ~a×1(N58)   | ZATU516 | ŠE <sub>3</sub>   |
| ZATU458 | SILA <sub>3</sub> ~a×DUG~a  | ZATU482          | SILA <sub>4</sub> ~a; SILA <sub>4</sub> ~b;<br>SILA <sub>4</sub> ~c; SILA <sub>4</sub> ~d | ZATU517 | Delete, W 17586 = P002625<br>now read as 1(N01) KU <sub>3</sub> .                                       |
| ZATU459 | SILA <sub>3</sub> ~a×GA~a   | ZATU483          | SILANITA  | ZATU518 | ŠE <sub>3</sub> @t  |
|         |   | ZATU484          | SIMUG   | ZATU519 | ŠEG <sub>9</sub>  |
|         |   | ZATU485          | SU~a; SU~b; SU~c  | ZATU520 | ŠE~a.GUG <sub>2</sub>   |
|         |   | ZATU486          | SU~a×1(N58)   | ZATU521 | ŠEN~a; ŠEN~b;<br>ŠEN~c; ŠEN~d;<br>ŠEN~e   |
|         |   | ZATU487          | SU <sub>3</sub>   | ZATU522 | ŠENNUR~a; ŠENNUR~b  |
|         |   | ZATU488          | SUG   | ZATU523 | ŠEŠ~a; ŠEŠ~b  |
|         |   | ZATU489          | SUG <sub>5</sub>  | ZATU524 | ŠIDIM   |
|         |   | ZATU490          | SUH <sub>3</sub>  | ZATU525 | ŠIM~a; ŠIM~b  |
|         |   | ZATU491          | SUHUR   | ZATU526 | ŠIR~a; ŠIR~b  |
|         |   | ZATU492          | SUKKAL  |         |   |
|         |   | ZATU493          | SUKUD   |         |   |

|                  |  |         |   |         |   |
|------------------|--|---------|---|---------|---|
| ZATU527          | ŠITA~a1;  ŠITA~a2;<br>ŠITA~a3;  ŠITA~b1;<br>ŠITA~b2;  ŠITA~b3    | ZATU560 | TUM~a;  TUM~b;<br>TUM~c;  TUM~d                         | ZATU595 | URI3~a;<br> URI3~a.AB~a                               |
| ZATU528          | ŠITA~a1xŠU   | ZATU561 | TUN3~a;  TUN3~b;<br>TUN3~c                              | ZATU596 | URI5  |
| ZATU529          | ŠITA~a1xKAK~a  | ZATU562 | TUR   | ZATU597 | URU~a1;  URU~a2;<br>URU~b1;  URU~b2;<br>URU~c         |
| ZATU530          | ŠITA@g~a;  ŠITA@g~b  | ZATU563 | TUR3~a;  TUR3~b;<br>TUR3~c                              | ZATU598 | URU~a1xAMAR   |
| ZATU531          | ŠITA@g~ax1(N04)  | ZATU564 | • 1(N14)  | ZATU599 | URU~a3xKALAM~a  |
| ZATU532          | ŠU   | ZATU565 | U2~a;  U2~b;  U2~c                                      | ZATU600 | URU~a1xNIMGIR   |
| ZATU533          | ŠU@g   | ZATU566 | U4  | ZATU601 | 1(N57).URU~a1 ;<br> 2(N57).URU~a1 ;<br> URU~a2x1(N58) |
| ZATU534          | ŠU2  | ZATU567 | KI@nxDUB~a  | ZATU602 | URUDU~a;  URUDU~c;<br>URUDU~d                         |
| ZATU535          | ŠU2.E2~a ;   ŠU2.E2~b  | ZATU568 | U4.ŠU2  | ZATU603 | URUDU@g~a;<br>URUDU@g~b;<br>URUDU@g~c;<br>URUDU@g~d   |
| ZATU536          | ŠU2.EN~a ;<br> ŠU2.EN~b  | ZATU569 | U4x1(N01)   | ZATU604 | UŠ~a;  UŠ~b   |
| ZATU537          | ŠU2.U4  in ATU 206 read as AB2 in P001387=ATU 5 pl.80, W 9655,o. | ZATU570 | see ZATU416   | ZATU605 | UŠ~bxTAR~c  |
| ZATU538          | ŠU12   | ZATU571 | U8  | ZATU606 | 1(N02)  |
| ZATU539          | ŠUBUR  | ZATU572 | UB  | ZATU607 | GAL~a.BUR2  |
| ZATU540          | 1(N57).ŠUBUR ;<br> 3(N57).ŠUBUR                                  | ZATU573 | UBI~a;  UBI~c;<br>UBI~d                                 | ZATU608 | UŠUR3~b1;  UŠUR3~b2                                   |
| ZATU541          | ŠUM  | ZATU574 | UD5~a;  UD5~b;<br>UD5~c                                 | ZATU609 | UTUA~a;  UTUA~b                                       |
| ZATU542          | ŠUNIGIN taken as DA in CDLI.                                     | ZATU575 | UDU~a;  UDU~b;<br>UDU~c                                 | ZATU610 | UTUL~a;  UTUL~b;<br>UTUL~c;  UTUL~d                   |
| ZATU543          | ŠUR2~a;  ŠUR2~b;<br>ŠUR2~c                                       | ZATU576 | UDU~axTAR~a ;<br> UDU~axTAR~b                           | ZATU611 | MUŠEN.ŠE~a  |
| ZATU544          | KUR~a.RU ;<br> 3(N57).RU   | ZATU577 | 3(N57).UDU~a  | ZATU612 | ZA~v  |
| ZATU545          | TA~a;  TA~b;<br>TA~c;  TA~d;<br>TA~e                             | ZATU578 | UDUNITA~a;<br>UDUNITA~b;<br>UDUNITA~c                   | ZATU613 | MUŠ3~a.AB~a ;<br> MUŠ3~a.UNUG~a                       |
| ZATU546          | = 2(N57)   | ZATU579 | UH3~a;  UH3~b   | ZATU614 | SILA3~axNUN~b   |
| ZATU547          | TAG~a1;  TAG~a2;<br>TAG~a3;  TAG~a4;<br>TAG~b;  TAG~c;<br>TAG~d  | ZATU580 | UKKIN~a;  UKKIN~b;<br>UKKIN~c;  UKKIN~d                 | ZATU615 | ZAG~a;  ZAG~b;<br>ZAG~c                               |
| ZATU548          | TAK4~a;  TAK4~c  | ZATU581 | UMBIN~a;  UMBIN~b1;<br>UMBIN~b2;  UMBIN~c               | ZATU616 | ZAR~a;  ZAR~b1;<br>ZAR~b2;  ZAR~c                     |
| ZATU549          | TAR~a  | ZATU582 | UMUN2   | ZATU617 | ZI~a;  ZI~b;  ZI~d                                    |
| ZATU550          | TE   | ZATU583 | UNUG~a;  UNUG~b;<br>UNUG~c                              | ZATU618 | 1(N04)  |
| ZATU551          | TI   | ZATU584 | UNUG~axA@t  | ZATU619 | ZUBI~a;  ZUBI~b                                       |
| ZATU552          | GIR3~c.PIRIG~b1  | ZATU585 | UNUG~a@s  | ZATU620 | ZATU620   |
| ZATU553          | TILLA2   | ZATU586 | UR~a;  UR~b;  UR~c                                      | ZATU621 | ZATU621~a;<br>ZATU621~b;<br>ZATU621~c;<br>ZATU621~d   |
| ZATU554          | TU~a;  TU~b;<br>TU~c   | ZATU587 | UR~a@g  | ZATU622 | ZATU622   |
| ZATU555          | TUG2~a;  TUG2~b;<br>TUG2~c;  TUG2~d                              | ZATU588 | UR2   | ZATU623 | ZATU623   |
| ZATU556, ZATU558 | TUG2~a.BAD&BAD   | ZATU589 | UR2x1(N57)  | ZATU624 | ZATU624~a;<br>ZATU624~b;<br>ZATU624~c                 |
| ZATU557          | TUG2~a@g   | ZATU590 | UR2xTAR~c   | ZATU625 | ZATU625   |
| ZATU558          | see ZATU556  | ZATU591 | UR3~a1;  UR3~a2;<br>UR3~a3;  UR3~b1;<br>UR3~b2;  UR3~d2 | ZATU626 | ZATU626~a;<br>ZATU626~b;<br>ZATU626~c                 |
| ZATU559          | Damaged, identification uncertain, possibly KAB.                 | ZATU592 | UR4~a;  UR4~b;  UR4~c                                   | ZATU627 | ZATU627   |
|                  |  | ZATU593 | UR5~a;  UR5~b   |         |   |
|                  |  | ZATU594 | URI   |         |   |

|         |                                    |         |   |         |                                       |
|---------|------------------------------------|---------|---|---------|---------------------------------------|
| ZATU628 | ZATU628~a;<br>ZATU628~b            | ZATU674 | ZATU674   | ZATU706 | ZATU706                               |
| ZATU629 | ZATU629                            | ZATU675 | ZATU675~a;<br>ZATU675~b;<br>ZATU675~c;<br>ZATU675~d                 | ZATU707 | ZATU707~a;<br>ZATU707~b               |
| ZATU630 | ZATU630                            | ZATU676 | ZATU676~a;<br>ZATU676~b   | ZATU708 | ZATU708                               |
| ZATU631 | ZATU631                            | ZATU677 | ZATU677~a;<br>ZATU677~b   | ZATU709 | ZATU709                               |
| ZATU632 | ZATU632~a;<br>ZATU632~b; ZATU632~c | ZATU678 | ZATU678   | ZATU710 | ZATU710                               |
| ZATU633 | ZATU633~a;<br>ZATU633~b            | ZATU679 | ZATU679   | ZATU711 | ZATU711                               |
| ZATU634 | ZATU634                            | ZATU680 | ZATU680~a1;<br>ZATU680~a2;<br>ZATU680~b;<br>ZATU680~d;<br>ZATU680~e | ZATU712 | ZATU711xHI@g-a                        |
| ZATU635 | ZATU635                            | ZATU681 | ZATU681   | ZATU713 | ZATU713                               |
| ZATU636 | ZATU636                            | ZATU682 | ZATU682   | ZATU714 | ZATU714                               |
| ZATU637 | ZATU637                            | ZATU683 | ZATU683~a;<br>ZATU683~b   | ZATU715 | ZATU714xHI@g-a                        |
| ZATU639 | ZATU639                            | ZATU684 | ZATU684   | ZATU716 | ZATU714.RU                            |
| ZATU640 | ZATU640                            | ZATU685 | ZATU685   | ZATU717 | ZATU717                               |
| ZATU641 | ZATU641                            | ZATU686 | ZATU686~a;<br>ZATU686~b; ZATU686~c                                  | ZATU718 | ZATU718                               |
| ZATU642 | ZATU642                            | ZATU687 | ZATU687   | ZATU719 | ZATU719                               |
| ZATU643 | ZATU643                            | ZATU688 | ZATU688~a;<br>ZATU688~b   | ZATU720 | ZATU720                               |
| ZATU644 | ZATU644~a; ZATU644~b               | ZATU689 | ZATU689   | ZATU721 | ZATU721                               |
| ZATU645 | ZATU644~a×1(N14)                   | ZATU690 | ZATU690   | ZATU722 | ZATU722                               |
| ZATU646 | ZATU646                            | ZATU691 | ZATU691   | ZATU723 | ZATU723                               |
| ZATU647 | ZATU647                            | ZATU692 | ZATU692   | ZATU724 | ZATU724                               |
| ZATU648 | ZATU648                            | ZATU693 | ZATU693   | ZATU725 | ZATU725                               |
| ZATU649 | ZATU649                            | ZATU694 | ZATU694~a; ZATU694~b;<br>ZATU694~c; ZATU694~d;<br>ZATU694~e         | ZATU726 | ZATU726~a;<br>ZATU726~c;<br>ZATU726~d |
| ZATU650 | ZATU650                            | ZATU695 | ZATU695   | ZATU727 | ZATU727                               |
| ZATU651 | ZATU651                            | ZATU696 | ZATU696   | ZATU728 | ZATU728                               |
| ZATU652 | ZATU651×AN                         | ZATU697 | ZATU697~a;<br>ZATU697~b;<br>ZATU697~c                               | ZATU729 | ZATU729                               |
| ZATU653 | ZATU651×EN~a                       | ZATU698 | DU <sub>a</sub> ~c@g  | ZATU730 | ZATU730                               |
| ZATU654 | ZATU651×GAR                        | ZATU699 | ZATU699~a;<br>ZATU699~b   | ZATU732 | ZATU732                               |
| ZATU655 | ZATU651×MA                         | ZATU700 | ZATU700   | ZATU733 | ZATU733                               |
| ZATU656 | ZATU651×NUN~a                      | ZATU701 | ZATU701   | ZATU734 | ZATU734                               |
| ZATU657 | ZATU651×ŠE~a                       | ZATU702 | ZATU702   | ZATU735 | ZATU735~a;<br>ZATU735~b;<br>ZATU735~c |
| ZATU658 | ZATU651@g                          | ZATU703 | ZATU703   | ZATU736 | ZATU736~a;<br>ZATU736~b               |
| ZATU659 | ZATU659                            | ZATU704 | ZATU704   | ZATU737 | ZATU737                               |
| ZATU660 | ZATU659×1(N58@t)                   | ZATU705 | ZATU705   | ZATU738 | ZATU737×AB~a                          |
| ZATU661 | ZATU659×1(N14)                     |         |   | ZATU739 | ZATU737×DI                            |
| ZATU662 | ZATU662                            |         |   | ZATU740 | ZATU737×EN~a ;<br> ZATU737×EN~b       |
| ZATU663 | ZATU662×1(N14)                     |         |   | ZATU741 | ZATU737×GAR                           |
| ZATU664 | ZATU664                            |         |   | ZATU742 | ZATU737×NIMGIR                        |
| ZATU665 | ZATU665                            |         |   | ZATU743 | ZATU737×SAL                           |
| ZATU666 | ZATU666                            |         |   | ZATU744 | ZATU737×SU~a                          |
| ZATU667 | ZATU667                            |         |   | ZATU745 | ZATU737×ŠE~a                          |
| ZATU668 | ZATU668                            |         |   | ZATU746 | ZATU737×ŠITA~b1@g                     |
| ZATU669 | ZATU669                            |         |   | ZATU747 | ZATU737×U <sub>4</sub>                |
| ZATU670 | ZATU670                            |         |   | ZATU748 | ZATU737×UNUG~a                        |
| ZATU671 | Damaged, identification uncertain. |         |   | ZATU749 | ZATU749~a;<br>ZATU749~b;<br>ZATU749~c |
| ZATU672 | ZATU672                            |         |   | ZATU750 | ZATU750                               |

|         |   |         |                       |         |                         |
|---------|---|---------|-----------------------|---------|-------------------------|
| ZATU751 | ZATU751~a;  ZATU751~b   | ZATU784 | ZATU784               | ZATU823 | ZATU823                 |
| ZATU752 | ZATU752   | ZATU785 | ZATU785               | ZATU824 | ZATU824                 |
| ZATU753 | ZATU753   | ZATU786 | ZATU786               | ZATU825 | ZATU825                 |
| ZATU754 | ZATU754   | ZATU787 | ZATU787               | ZATU826 | ZATU826                 |
| ZATU755 | ZATU755~a;<br>ZATU755~b   | ZATU788 | ZATU788               | ZATU827 | Vacat.                  |
| ZATU756 | ZATU756   | ZATU789 | ZATU789               | ZATU828 | Vacat.                  |
| ZATU757 | ZATU757   | ZATU790 | Vacat.                | ZATU829 | ZATU829                 |
| ZATU758 | ZATU758   | ZATU791 | ZATU791               | ZATU830 | Vacat.                  |
| ZATU759 | ZATU759   | ZATU792 | ZATU792               | ZATU831 | ZATU831                 |
| ZATU760 | ZATU759×KU <sub>6</sub> ~a ;<br> ZATU759×KU <sub>6</sub> ~d   | ZATU793 | Vacat.                | ZATU832 | ZATU832                 |
| ZATU761 | ZATU761   | ZATU794 | Vacat.                | ZATU833 | ZATU833                 |
| ZATU762 | ZATU762~a;<br>ZATU762~b   | ZATU795 | ZATU795               | ZATU834 | ZATU834                 |
| ZATU763 | ZATU762~a×NIM~a   | ZATU796 | Vacat.                | ZATU835 | ZATU835                 |
| ZATU764 | ZATU764   | ZATU797 | ZATU797               | ZATU836 | ZATU836                 |
| ZATU765 | ZATU765   | ZATU798 | ZATU798               | ZATU837 | ZATU837~a;<br>ZATU837~b |
| ZATU766 | ZATU766   | ZATU799 | ZATU799               | ZATU838 | ZATU838                 |
| ZATU767 | ZATU767   | ZATU800 | ZATU800               | ZATU839 | ZATU839                 |
| ZATU768 | ZATU768   | ZATU801 | ZATU801               | ZATU840 | ZATU840                 |
| ZATU769 | ZATU769   | ZATU802 | ZATU802;<br>ZATU802~b | ZATU841 | ZATU841                 |
| ZATU770 | Damaged; ATU 833 = ATU 1,<br>442 = P001011 ATU 5, pl.<br>034, W 9071,h; excluded from<br>CDLI list. | ZATU803 | ZATU803               | ZATU842 | ZATU842                 |
| ZATU771 | ZATU771   | ZATU804 | ZATU804               | ZATU843 | ZATU843                 |
| ZATU772 | ZATU772   | ZATU805 | ZATU805               | ZATU844 | ZATU844                 |
| ZATU773 | ZATU773~a;<br>ZATU773~b   | ZATU806 | ZATU806               | ZATU845 | ZATU845                 |
| ZATU774 | ZATU774   | ZATU807 | ZATU807               | ZATU846 | ZATU846                 |
| ZATU775 | ZATU775   | ZATU808 | ZATU808               | ZATU847 | ZATU847                 |
| ZATU776 | ZATU776   | ZATU809 | ZATU809               | ZATU848 | ZATU848                 |
| ZATU777 | ZATU777   | ZATU810 | ZATU810               | ZATU849 | ZATU849                 |
| ZATU778 | ZATU778   | ZATU811 | ZATU811               | ZATU850 | ZATU850                 |
| ZATU779 | ZATU779   | ZATU812 | ZATU812               | ZATU851 | ZATU851                 |
| ZATU780 | ZATU780   | ZATU813 | ZATU813               | ZATU852 | ZATU852                 |
| ZATU781 | ZATU781   | ZATU814 | ZATU814               | ZATU853 | ZATU853                 |
| ZATU782 | ZATU782   | ZATU815 | ZATU815               | ZATU854 | ZATU854                 |
| ZATU783 | ZATU783   | ZATU816 | Vacat.                | ZATU855 | ZATU855                 |
|         |   | ZATU817 | ZATU817               | ZATU856 | ZATU856                 |
|         |   | ZATU818 | ZATU818               | ZATU857 | ZATU857                 |
|         |   | ZATU819 | ZATU819               | ZATU858 | ZATU858                 |
|         |   | ZATU820 | ZATU820               | ZATU859 | ZATU859                 |
|         |   | ZATU821 | ZATU821               |         |                         |
|         |   | ZATU822 | ZATU822               |         |                         |



## C Index of Alternate CDLI Sign Names

This index covers two kinds of differences between CDLI names and PCSL names (ignoring the differences that result from re-encoding the CDLI names in Unicode rather than as ASCII).

Changes made to the CDLI names are indicated with a greater-than (becomes) symbol, >. These are CDLI names either in print or in the CDLI-gh name list that have been adapted to PCSL conventions. These appear in the PCSL table in the main sign block with the prefix CDLI:.

CDLI names used in the transliterated corpus have not generally been normalized to PCSL forms. These are handled using aliases in the validation data, which appear in the PCSL table in the main block with the prefix AKA:.  
Aliases in this index are indicated with the equals sign, =.

|                                       |   |   |  |
|---------------------------------------|---|---|--|
| X(N57).GAR                            | >  X(N57).GAR                               | E <sub>3</sub> ~a   | >  DU.U <sub>4</sub> .1(N14).1(N08)                            |
| ABGAL                                 | =  NUN~a.ME~a                               | EN  | = EN~a   |
| ABGAL                                 | >  NUN~a.ME~a                               | EN~a+NUN~b  | =  NUN~b+EN~a  |
| ABRIG                                 | =  NUN~a.ME~a.DU                            | EN~a×NUN~a  | =  NUN~a+EN~a  |
| ABRIG                                 | >  NUN~a.ME~a.DU                            | EN <sub>2</sub> ×E <sub>2</sub> ~b                          | =  EN <sub>2</sub> .E <sub>2</sub> ~b                          |
| AMAR×TAR                              | =  AMAR×TAR~c                               | ENDIB   | =  EN~a.ME~a.MU  |
| AMAR×TAR                              | >  AMAR×TAR~c                               | ENDIB   | >  EN~a.ME~a.MU  |
| AMAR@g                                | > AMAR@g                                    | ENGIZ   | =  EN~a.ME~a.GI  |
| APIN                                  | = APIN~a                                    | ENGIZ   | >  EN~a.ME~a.GI  |
| ARARMA <sub>2</sub> ~b                | =  U <sub>4</sub> .AB~b                     | ENKUM   | =  EN~a.EZEN~b×ŠE~a@t.NUN~a.SIG <sub>7</sub>                   |
| ARARMA <sub>2</sub> ~b                | >  U <sub>4</sub> .AB~b                     | ENKUM   | >  EN~a.EZEN~b×ŠE~a@t.NUN~a.SIG <sub>7</sub>                   |
| ARATTA                                | =  3(N57).LAM~a.KUR~a.RU                    | ENLIL   | >  EN~a.KID~a  |
| ARATTA                                | >  3(N57).LAM~a.KUR~a.RU                    | ERIM <sub>2</sub>   | =  NE~a.RU   |
| AŠ                                    | = 1(N57)                                    | ERIM <sub>2</sub>   | >  NE~a.RU   |
| BU~a.DU <sub>6</sub> ~a               | =  BU~a+DU <sub>6</sub> ~a                  | EŠDA×TAR  | =  EŠDA×TAR~a  |
| (BU~a&BU~a).NA <sub>2</sub> ~a@n      | =  (BU~a%BU~a).NA <sub>2</sub> ~a@n         | EŠDA×TAR  | >  EŠDA×TAR~a  |
| (BU~a&BU~a).NA <sub>2</sub> ~a@n      | >  (BU~a%BU~a).NA <sub>2</sub> ~a@n         | EZEM~b×AN   | = BAD <sub>3</sub> ~b <sub>2</sub>                             |
| BU <sub>3</sub> ~a                    | = BU <sub>3</sub>                           | EZEM~c  | = EZEN~b@t   |
| DARA <sub>3</sub> ~d×KAR <sub>2</sub> | >  DARA <sub>3</sub> ~d×KAR <sub>2</sub> ~b | EZEN~c  | = EZEN~b@t   |
| DARA <sub>3</sub> ~d×KAR <sub>2</sub> | =  DARA <sub>3</sub> ~d×KAR <sub>2</sub> ~b | EZEN~a+KI   | =  EZEN~a×KI   |
| DIN+1(N57)                            | =  DIN×1(N58)                               | EZEN~a×(HI.1(N57).AN)                                       | =  EZEN~a×(HI×1(N57).AN)                                       |
| DIŠ                                   | = 1(N58)                                    | EZEN~a×(HI.1(N57).AN)                                       | >  EZEN~a×(HI×1(N57).AN)                                       |
| DU×DIŠ                                | =  DU×1(N58@t)                              | EZEN~b@t  | > EZEN~b@t   |
| DU×DIŠ                                | >  DU×1(N58@t)                              | GA <sub>2</sub> ~a×E <sub>2</sub> ~a                        | =  GA <sub>2</sub> ~a1×E <sub>2</sub> ~a                       |
| DU <sub>6</sub> ~a×DIŠ                | =  DU <sub>6</sub> ~a×1(N58)                | GA <sub>2</sub> ~a1×(KU <sub>6</sub> ~a.KU <sub>6</sub> ~a) | >  GA <sub>2</sub> ~a1×(KU <sub>6</sub> ~a+KU <sub>6</sub> ~a) |
| DU <sub>6</sub> ~a×DIŠ                | >  DU <sub>6</sub> ~a×1(N58)                | GA <sub>2</sub> ~a1×((SUKUD&SUKUD)~a)                       | >  GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~a)                       |
| DU <sub>6</sub> ~c@g                  | = DU <sub>6</sub> ~c@g                      | GA <sub>2</sub> ~a1×(SUKUD&SUKUD)~a                         | =  GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~a)                       |
| (DUB×DIŠ)~a                           | =  (DUB@n~a×1(N58))~a                       | GA <sub>2</sub> ~a1×(SUKUD&SUKUD)~b                         | >  GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~b)                       |
| (DUB×DIŠ)~a                           | >  (DUB@n~a×1(N58))~a                       | GA <sub>2</sub> ~a1×(SUKUD&SUKUD)~b                         | =  GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~b)                       |
| (DUB×DIŠ)~b                           | =  DUB@n~b×1(N58)~a                         | GA <sub>2</sub> ~a2×(GU <sub>4</sub> .ŠE <sub>3</sub> )     | =  GA <sub>2</sub> ~a2×(ŠE <sub>3</sub> .GU <sub>4</sub> )     |
| (DUB×DIŠ)~b                           | >  DUB@n~b×1(N58)~a                         | GA <sub>2</sub> ~a2×(GU <sub>4</sub> .ŠE <sub>3</sub> )     | >  GA <sub>2</sub> ~a2×(ŠE <sub>3</sub> .GU <sub>4</sub> )     |
| (DUB×DIŠ)~c                           | =  (DUB@n~a×1(N58))~b                       | GA <sub>2</sub> ~a2×NIM~b1                                  | =  GA <sub>2</sub> ~a1×NIM~b1                                  |
| (DUB×DIŠ)~c                           | >  (DUB@n~a×1(N58))~b                       | GA <sub>2</sub> ~a2×NIM~b1                                  | >  GA <sub>2</sub> ~a1×NIM~b1                                  |
| *DUG~b+SA~a+GI                        | >  DUG~b×(SA~a.GI)                          | GABURRA   | =  ZATU737×BUR~a   |
| DUG~b&(DUG~b×1(N58))                  | =  (DUG~b&DUG~b)×1(N58)                     | (GI&GI)×ŠE <sub>3</sub>                                     | >  (GI&GI)×ŠE <sub>3</sub>                                     |
| DUG~b@r×DIN                           | =  (DUG~b×DIN)@r                            | GI+A  | =  GI×A  |
| E <sub>2</sub>                        | = E <sub>2</sub> ~a                         | GI×1(N58)@t   | =  GI×1(N58@t)   |
| E <sub>2</sub> ~a×1(N57)@t            | =  E <sub>2</sub> ~a×1(N58@t)               | GI×1(N58)@t   | >  GI×1(N58@t)   |
| E <sub>2</sub> ~a×1(N57)@t            | >  E <sub>2</sub> ~a×1(N58@t)               | G <sub>6</sub> ~a   | = G <sub>6</sub>   |
| E <sub>2</sub> ~b×1(N57)@t            | =  E <sub>2</sub> ~b×1(N58@t)               | GIBIL <sub>6</sub>  | =  NE~c.GI   |
| E <sub>2</sub> ~b×1(N57)@t            | >  E <sub>2</sub> ~b×1(N58@t)               | GIBIL <sub>6</sub>  | >  NE~c.GI   |
| E <sub>3</sub> ~a                     | =  DU.U <sub>4</sub> .1(N14).1(N08)         | GIR <sub>3</sub> ~c×KAR <sub>2</sub>                        | =  GIR <sub>3</sub> ~c×KAR <sub>2</sub> ~b                     |

|GIR<sub>3</sub>~c×KAR<sub>2</sub>| > |GIR<sub>3</sub>~c×KAR<sub>2</sub>~b|  
 GIR<sub>3</sub>~c@g = GIR<sub>3</sub>@g~c  
 |GIŠ×ŠU<sub>2</sub>~a| = |(GIŠ×ŠU<sub>2</sub>)~a|  
 |GIŠ×ŠU<sub>2</sub>~a| > |(GIŠ×ŠU<sub>2</sub>)~a|  
 |GIŠ×ŠU<sub>2</sub>~b| = |(GIŠ×ŠU<sub>2</sub>)~b|  
 |GIŠ×ŠU<sub>2</sub>~b| > |(GIŠ×ŠU<sub>2</sub>)~b|  
 GIŠ~x > GIŠ~v  
 GIZZAL~v = |GEŠTU~a.NAGA~a|  
 GIZZAL~v > |GEŠTU~a.NAGA~a|  
 GU~a = GU  
 |GU<sub>4</sub>.ZATU755~a| = |GU<sub>4</sub>.ZATU755~b|  
 |GU<sub>4</sub>.ZATU755~a| > |GU<sub>4</sub>.ZATU755~b|  
 \*GU<sub>4</sub>+1N58 > |GU<sub>4</sub>×1(N58)|  
 GUG<sub>2</sub>~a = GUG<sub>2</sub>  
 GURUŠDA~a = GURUŠDA  
 |HI×LAGAB~a| = |HI.LAGAB~a|  
 |HI×LAGAB~a| > |HI.LAGAB~a|  
 |HI×1(N01)F| > |HI×1(N01@f)|  
 |HI×1(N57)@t| = |HI×1(N57@t)|  
 |HI×1(N57)@t| > |HI×1(N57@t)|  
 |(HI×1(N57))&(HI+1(N57))| > |(HI×1(N57)).(HI×1(N57))|  
 HI~a = HI  
 HI@g = HI@g~a  
 HI~a@g = HI@g~a  
 |IB~a@n| > IB~a@n  
 ILDUM~a = |NAGAR~a.BU~a|  
 ILDUM~a > |NAGAR~a.BU~a|  
 ILDUM~b = |NAGAR~b.BU~a|  
 ILDUM~b > |NAGAR~b.BU~a|  
 IR<sub>11</sub> = |UŠ~a.KUR~a|  
 IR<sub>11</sub> > |UŠ~a.KUR~a|  
 |KA<sub>2</sub>×LAM| = |KA<sub>2</sub>~d×LAM~b|  
 |KA<sub>2</sub>×LAM| > |KA<sub>2</sub>~d×LAM~b|  
 KAR = |TE.A|  
 KAR > |TE.A|  
 |KASKAL@g| > KASKAL@g  
 |KAŠ~b×ŠE~a| = |KAŠ~b×ŠE~a@t|  
 |KAŠ~b×ŠE~a| > |KAŠ~b×ŠE~a@t|  
 |KAŠ~b@t| > KAŠ~b@t  
 KI~a = KI  
 |KI@n+DUB~a| = |KI@n×DUB~a|  
 KINGAL = |UKKIN~a.GAL~a|  
 KINGAL > |UKKIN~a.GAL~a|  
 KIR<sub>11</sub> = |SAL.SILA<sub>4</sub>~c|  
 KIR<sub>11</sub> > |SAL.SILA<sub>4</sub>~c|  
 |KISAL~b2@t| > KISAL~b2@t  
 KITI = |BU~b.KALAM~a|  
 KITI > |BU~b.KALAM~a|  
 |KUR@g~a| > KUR@g~a  
 |KUR@g~b| > KUR@g~b  
 LA = LA~b  
 |LAGAB~a×DU<sub>6</sub>~b| = |LAGAB~a×DU<sub>6</sub>~a|  
 |LAGAB~a×DU<sub>6</sub>~b| > |LAGAB~a×DU<sub>6</sub>~a|  
 |LAGAB~a×KUŠU<sub>2</sub>~b| = |LAGAB~a×KUŠU<sub>2</sub>~a@t|



























|LAGAB~a×KUŠU<sub>2</sub>~b| > |LAGAB~a×KUŠU<sub>2</sub>~a@t|  
 |LAGAB~b+LAGAB~b| = |LAGAB~b&LAGAB~b|  
 |LAGAB~b×LAGAB~b| = |LAGAB~b&LAGAB~b|  
 |LAGAB~b×(HI×N04)| = |LAGAB~b×(HI×1(N04))|  
 |LAGAB~b×LAGAB~b| > |LAGAB~b&LAGAB~b|  
 LAHTAN<sub>2</sub> = |ŠITA~a1.MUD<sub>3</sub>~a|  
 LAHTAN<sub>2</sub> > |ŠITA~a1.MUD<sub>3</sub>~a|  
 |LAM~b@t| > LAM~b@t  
 LUGAL = |LU<sub>2</sub>.GAL~a|  
 LUGAL > |LU<sub>2</sub>.GAL~a|  
 LUKUR = |SAL.ME~a|  
 MAR@g~a = MAR~a@g  
 MAŠNITA = MAŠ<sub>2</sub>  
 MUD<sub>3</sub>@g = MUD<sub>3</sub>~a@g  
 MURUB<sub>2</sub> = |SAL.LAGAR~a|  
 MURUB<sub>2</sub> > |SAL.LAGAR~a|  
 |MUŠEN×1(N57)| = |1(N57).MUŠEN|  
 |MUŠEN×1(N57)| > |1(N57).MUŠEN|  
 |MUŠEN×2(N57)| = |2(N57).MUŠEN|  
 |MUŠEN×2(N57)| > |2(N57).MUŠEN|  
 |MUŠEN×3(N57)| = |3(N57).MUŠEN|  
 |MUŠEN×3(N57)| > |3(N57).MUŠEN|  
 |1(N58).BAD~a| > |1(N58).BAD|  
 |1(N58).BAD~a| = |1(N58).BAD|  
 |BAD+DIŠ~a| = |1(N58).BAD|  
 |1(N58).BAD~b| = |(1(N58).BAD)~b|  
 |1(N58).BAD~b| > |(1(N58).BAD)~b|  
 NA = NA~a  
 NAGA = NAGA~a  
 NAMEŠDA = |EŠDA.NAM<sub>2</sub>|  
 NAMEŠDA > |EŠDA.NAM<sub>2</sub>|  
 NANNA~a = |URI<sub>3</sub>~a.NA~a|  
 NANNA~a > |URI<sub>3</sub>~a.NA~a|  
 NANNA~b = |ŠEŠ~a.NA~a|  
 NANNA~b > |ŠEŠ~a.NA~a|  
 NERGAL~v = |GIR<sub>3</sub>~c.AB~a|  
 NERGAL~v > |GIR<sub>3</sub>~c.AB~a|  
 NIN = |SAL.NAM<sub>2</sub>|  
 NIN > |SAL.NAM<sub>2</sub>|  
 |NINDA<sub>2</sub>×(HI+ME~a)| = |NINDA<sub>2</sub>×(HI.ME~a)|  
 |NINDA<sub>2</sub>×(HI@g~a.1(N06))| = |NINDA<sub>2</sub>×(1(N06).HI@g~a)|  
 |NINDA<sub>2</sub>×(HI@g~a.1(N06))| > |NINDA<sub>2</sub>×(1(N06).HI@g~a)|  
 |NINDA<sub>2</sub>×((UDU~a+TAR)~b)| = |NINDA<sub>2</sub>×(UDU~a×TAR~b)|  
 |NINDA<sub>2</sub>×((UDU~a×TAR)~a)| = |NINDA<sub>2</sub>×(UDU~a×TAR~a)|  
 |NINDA<sub>2</sub>×((UDU~a×TAR)~a)| > |NINDA<sub>2</sub>×(UDU~a×TAR~a)|  
 NINKUM = |SAL.NAM<sub>2</sub>.EZEN~b×ŠE~a@t.NUN~a.SIG<sub>7</sub>||  
 NINKUM > |SAL.NAM<sub>2</sub>.EZEN~b×ŠE~a@t.NUN~a.SIG<sub>7</sub>||  
 NINLIL = |E<sub>2</sub>~a.NUN~a|  
 NINLIL > |E<sub>2</sub>~a.NUN~a|  
 NISAG~a3 = NESAG<sub>2</sub>~a2  
 |NU<sub>11</sub>@t| > NU<sub>11</sub>@t  
 NUNUZ~a1@n = NUNUZ~a0  
 |NUNUZ~a1@t| > NUNUZ~a1@t  
 PAP@t = PAP~a@t































|  |  |   |  |
|--|--|---|--|
| RAD-a@t                                    | > RAD-a@t                                    | ŠURUPPAK~b                                      | >  3(N57).RU                                     |
| RU~a                                       | = RU   | ŠURUPPAK~c                                      | >  SU~a.KUR~a.RU                                 |
| RU@t                                       | > RU@t                                       | TE~a  | = TE   |
| SAG+GEŠTU~a                                | =  SAG×GEŠTU~a                               | TI~a  | = TI   |
| SAG+NAM <sub>2</sub>                       | =  SAG×NAM <sub>2</sub>                      | TIDNUM  | =  GIR <sub>3</sub> ~c.PIRIG~b1                  |
| SAG×(UKKIN~b×1(N57))                       | =  SAG+UKKIN~b×1(N57)                        | TIDNUM  | >  GIR <sub>3</sub> ~c.PIRIG~b1                  |
| *SAL.ZATU751~a                             | >  SAL.ZATU751~a                             | TUG <sub>2</sub> ~a.(BAD&BAD)                   | >  TUG <sub>2</sub> ~a.BAD&BAD                   |
| *SAL+ZATU751~b                             | >  SAL.ZATU751~b                             | TUKU  | = KAB  |
| *SAL+ZATU751~c                             | >  SAL.ZATU751~c                             | TUKU+DIŠ  | =  KAB×1(N58)                                    |
| SIG×1(N57)                                 | =  1(N57).SIG                                | TUR <sub>3</sub> ~a@n                           | > TUR <sub>3</sub> ~a@n                          |
| SIG×1(N57)                                 | >  1(N57).SIG                                | U <sub>4</sub> .(1(N14).3(N08))                 | >  U <sub>4</sub> .1(N14).3(N08)                 |
| SIG <sub>2</sub> ~a                        | = SIG <sub>2</sub> ~a1                       | U <sub>4</sub> .(1(N14).4(N08))                 | >  U <sub>4</sub> .1(N14).4(N08)                 |
| SIG <sub>2</sub> ~b.SIG <sub>2</sub> ~b    | =  SIG <sub>2</sub> ~b&SIG <sub>2</sub> ~b   | U <sub>4</sub> .(1(N14).5(N08))                 | >  U <sub>4</sub> .1(N14).5(N08)                 |
| SIG <sub>2</sub> ~b.SIG <sub>2</sub> ~b    | >  SIG <sub>2</sub> ~b&SIG <sub>2</sub> ~b   | U <sub>4</sub> .(1(N14).8(N08))                 | >  U <sub>4</sub> .1(N14).8(N08)                 |
| SIKIL                                      | >  SAL.SI                                    | (U <sub>4</sub> +1(N14)).1(N08)                 | =  U <sub>4</sub> .1(N14).1(N08)                 |
| SILA <sub>3</sub> ~a+GARA <sub>2</sub> ~a  | =  SILA <sub>3</sub> ~a×GARA <sub>2</sub> ~a | U <sub>4</sub> ×(X(N01))                        | >  U <sub>4</sub> ×N(N01)                        |
| SILA <sub>3</sub> ~a+KAŠ~a                 | =  SILA <sub>3</sub> ~a×KAŠ~a                | U <sub>4</sub> ×1(N01)+1(N24)                   | =  U <sub>4</sub> ×(1(N01).1(N24))               |
| SILA <sub>3</sub> ~a+MUD <sub>3</sub> ~b   | =  SILA <sub>3</sub> ~a×MUD <sub>3</sub> ~b  | U <sub>4</sub> ×1(N01)F                         | >  U <sub>4</sub> ×1(N01@f)                      |
| SILANITA~a                                 | = SILANITA                                   | U <sub>4</sub> ×2(N01).(2(N14).1(N08))          | >  U <sub>4</sub> ×2(N01).2(N14).1(N08)          |
| SIPA                                       | =  PA~a.UDU~a                                | U <sub>4</sub> ×(1(N14).3(N01)).(1(N14).4(N08)) | =  U <sub>4</sub> ×(1(N14).3(N01)).1(N14).4(N08) |
| SIPA                                       | >  PA~a.UDU~a                                | U <sub>4</sub> ×1(N58)@t                        | =  U <sub>4</sub> ×1(N58@t)                      |
| SUG <sub>5</sub> ~a                        | = SUG <sub>5</sub>                           | U <sub>4</sub> ×1(N58)@t                        | >  U <sub>4</sub> ×1(N58@t)                      |
| SUHUR~a                                    | = SUHUR                                      | (U <sub>8</sub> ×TAR)~b                         | >  U <sub>8</sub> ×TAR~b                         |
| SUHUR@n                                    | > SUHUR@n                                    | UDU   | = UDU~a  |
| SUKUD@g~d                                  | > SUKUD@g~d                                  | (UDU~a×TAR)~a                                   | >  UDU~a×TAR~a                                   |
| SUM~a@t                                    | > SUM~a@t                                    | (UDU~a×TAR)~b                                   | >  UDU~a×TAR~b                                   |
| SUSA                                       | =  MUŠ <sub>3</sub> ~a.ERIN                  | UET <sub>2</sub> .405                           | > BAU405   |
| SUSA                                       | >  MUŠ <sub>3</sub> ~a.ERIN                  | UR  | = UR~a   |
| ŠA <sub>3</sub> ~b1                        | = ŠA <sub>3</sub> ~a2                        | UR~a×KAR <sub>2</sub>                           | =  UR~a×KAR <sub>2</sub> ~b                      |
| ŠAB~a                                      | =  PA~a.IB~a                                 | UR~a×KAR <sub>2</sub>                           | >  UR~a×KAR <sub>2</sub> ~b                      |
| ŠAB~a                                      | >  PA~a.IB~a                                 | UR <sub>2</sub> ×TAR                            | =  UR <sub>2</sub> ×TAR~c                        |
| ŠAB~b                                      | =  PAP~a.IB~a                                | UR <sub>2</sub> ×TAR                            | >  UR <sub>2</sub> ×TAR~c                        |
| ŠAB~b                                      | >  PAP~a.IB~a                                | URI <sub>2</sub>                                | >  URI <sub>3</sub> ~a.UNUG~a                    |
| ŠANDANA~a                                  | =  GAL~a.NIM~a                               | URI <sub>3</sub> ~a+IB~a                        | >  URI <sub>3</sub> ~a.IB~a                      |
| ŠANDANA~a                                  | >  GAL~a.NIM~a                               | URI <sub>3</sub> ~b                             | =  URI <sub>3</sub> ~a.AB~a                      |
| ŠANDANA~b                                  | =  GAL~a.NI~a                                | URI <sub>3</sub> ~b                             | >  URI <sub>3</sub> ~a.AB~a                      |
| ŠANDANA~b                                  | >  GAL~a.NI~a                                | URU~a1+1(N58)                                   | =  URU~a2×1(N58)                                 |
| ŠE~a×NAM <sub>2</sub>                      | =  ŠE~a.NAM <sub>2</sub>                     | URU~a1×1(N57)                                   | =  1(N57).URU~a1                                 |
| ŠELU                                       | =  ŠE~a.GUG <sub>2</sub>                     | URU~a1×1(N57)                                   | >  1(N57).URU~a1                                 |
| ŠELU                                       | >  ŠE~a.GUG <sub>2</sub>                     | URU~a1×2(N57)                                   | =  2(N57).URU~a1                                 |
| ŠEN~d×A                                    | =  ŠEN~e×A                                   | URU~a1×2(N57)                                   | >  2(N57).URU~a1                                 |
| ŠEN~d×A                                    | >  ŠEN~e×A                                   | URU~a1@n  | > URU~a1@n                                       |
| ŠITA~a                                     | = ŠITA~a1                                    | UŠUMGAL   | =  GAL~a.BUR <sub>2</sub>                        |
| ŠITA~b1×HI@g~a                             | =  ŠITA~b2@g×HI@g~a                          | UŠUMGAL   | >  GAL~a.BUR <sub>2</sub>                        |
| ŠITA~b1×HI@g~a                             | >  ŠITA~b2@g×HI@g~a                          | UZ~a  | =  MUŠEN.ŠE~a                                    |
| ŠU <sub>2</sub> .((HI+1(N57))+(HI+1(N57))) | =  ŠU <sub>2</sub> .(HI×1(N57))&(HI×1(N57))  | *UZ~a   | >  MUŠEN.ŠE~a                                    |
| ŠU <sub>2</sub> .((HI+1(N57))+(HI+1(N57))) | >  ŠU <sub>2</sub> .(HI×1(N57))&(HI×1(N57))  | ZA~x  | > ZA~v   |
| ŠU <sub>2</sub> +AN                        | =  ŠU <sub>2</sub> .AN                       | ZABALAM~a                                       | >  MUŠ <sub>3</sub> ~a.AB~a                      |
| ŠU <sub>2</sub> ×AN                        | =  ŠU <sub>2</sub> .AN                       | ZABALAM~a                                       | =  MUŠ <sub>3</sub> ~a.AB~a                      |
| ŠU <sub>2</sub> ×1(N24)                    | =  ŠU <sub>2</sub> .1(N24)                   | ZABALA~a  | =  MUŠ <sub>3</sub> ~a.AB~a                      |
| ŠU <sub>2</sub> ×3(N57)                    | =  ŠU <sub>2</sub> ×3(N57)                   | ZABALAM~b                                       | =  MUŠ <sub>3</sub> ~a.UNUG~a                    |
| ŠURUPPAK~a                                 | =  KUR~a.RU                                  | ZABALAM~b                                       | >  MUŠ <sub>3</sub> ~a.UNUG~a                    |
| ŠURUPPAK~a                                 | >  KUR~a.RU                                  | ZATU659×1(N58)@t                                | =  ZATU659×1(N58@t)                              |
| ŠURUPPAK~b                                 | =  3(N57).RU                                 | ZATU659×1(N58)@t                                | >  ZATU659×1(N58@t)                              |






















|                  |                      |                             |                  |
|------------------|----------------------|-----------------------------|------------------|
| ZATU683@t        | > ZATU683@t          | 1(N30~c)                    | = 1(N30C)        |
| ZATU737xŠITA@g~a | >  ZATU737xŠITA~b1@g | 1(N30~d)                    | = 1(N30D)        |
| ZATU741          | =  ZATU737xGAR       | 1(N30~e)                    | = 1(N30E)        |
| ZATU831@g        | > ZATU831@g          | 1(N30A~c)                   | = 1(N30AC)       |
| 1(N01@r)         | > 1(N01@r)           | 1(N30C~a)                   | = 1(N30CA)       |
| 1(N07~a)         | = 1(N07A)            | 1(N30C~c)                   | = 1(N30CC)       |
| 2(N07~a)         | = 2(N07A)            | 1(N34@f@t)                  | > 1(N34@f@t)     |
| 3(N07~a)         | = 3(N07A)            | 1(N39~a)                    | = 1(N39A)        |
| 1(N07~b)         | = 1(N07B)            | 2(N39~a)                    | = 2(N39A)        |
| 2(N07~b)         | = 2(N07B)            | 3(N39~a)                    | = 3(N39A)        |
| 3(N07~b)         | = 3(N07B)            | 4(N39~a)                    | = 4(N39A)        |
| 1(N24')          | = 1(N24)             | 1(N39~b)                    | = 1(N39B)        |
| 1(N24'')         | = 1(N24)             | 2(N39~b)                    | = 2(N39B)        |
| 1(N24~a)         | = 1(N24A)            | 3(N39~b)                    | = 3(N39B)        |
| 1(N24~b)         | = 1(N24B)            | 4(N39~b)                    | = 4(N39B)        |
| 1(N26~b)         | = 1(N26B)            | 1(N42~a)                    | = 1(N42A)        |
| 1(N28~b)         | = 1(N28B)            | 2(N42~a)                    | = 2(N42A)        |
| 1(N28~c)         | = 1(N28C)            | 3(N42~a)                    | = 3(N42A)        |
| 1(N29)           | = 1(N29A)            | 4(N42~a)                    | = 4(N42A)        |
| 1(N29~a)         | = 1(N29A)            | 2(N42~b)                    | = 2(N42B)        |
| 2(N29~a)         | = 2(N29A)            | 1(N45~a)                    | = 1(N45A)        |
| 1(N29~b)         | = 1(N29B)            | 1(N58@t)                    | = 1(N58@t)       |
| 1(N29A~b)        | = 1(N29AB)           | 1(N58@t)                    | > 1(N58@t)       |
| 2(N29A~b)        | = 2(N29AB)           | 2(N57).DU <sub>6</sub> ~a@n | = X <sub>2</sub> |
| 1(N29A~c)        | = 1(N29AC)           | N(N57).GAR                  | =  X(N57).GAR    |
| 1(N30~a)         | = 1(N30A)            | 8(N57).NI~b                 | >  NI~b x 8(N57) |
| 1(N30~b)         | = 1(N30B)            |                             |                  |


































## D PCSL Non-PC25

This table gives every text in the PC corpus that contains one or more unencoded signs, along with a list in the ‘Missing’ column of the specific signs which are not included in the proposed PC25 encoding.




























| CDLI    | MusNo        | Time     | Place | Pub | Missing   |
|---------|--------------|----------|-------|-----|---|
| P001731 | VA — ?       | Uruk IV  | Uruk  | -   |   SILA <sub>3</sub> ~c×ŠU   |
| P002078 | VA — ?       | Uruk III | Uruk  | -   |  SILA <sub>3</sub> ~c  |
| P002231 | IM 023434,w  | Uruk III | Uruk  | -   |  ZATU814  |
| P002248 | IM 023434,b  | Uruk III | Uruk  | -   |   NINDA <sub>2</sub> ×BA  |
| P002261 | IM 023435,12 | Uruk III | Uruk  | -   |  ZATU815  |
| P002264 | IM 023435,19 | Uruk III | Uruk  | -   |   (GI&GI)×ŠE <sub>3</sub>   |
| P002269 | IM 023435,10 | Uruk III | Uruk  | -   |   NINDA <sub>2</sub> ×(UDU~a×TAR~b) <br> NUMUN <sub>2</sub>   |
| P002464 | IM 023445,03 | Uruk III | Uruk  | -   |   ŠITA@g~a×1(N04)  |
| P002571 | IM 023449,1  | Uruk III | Uruk  | -   |  LA~c<br>  ŠITA~a1×UDU~a <br>  ŠITA~a1×1(N06)   |
| P002624 | IM —         | Uruk III | Uruk  | -   |   (GI&GI)×ŠE <sub>3</sub>   |
| P002697 | IM 046011+   | Uruk III | Uruk  | -   |  NUMUN <sub>2</sub>   |
| P002741 | IM 045991    | Uruk III | Uruk  | -   |   EZEN~a×SAG  |
| P002758 | IM 045978    | Uruk III | Uruk  | -   |  ZATU805  |
| P002874 | IM 045912    | Uruk III | Uruk  | -   |   GAN~c×NE~a <br>  GAN~c×ŠE~a <br>  GAN~c×ŠE <sub>3</sub> @t                  |
| P002882 | IM 045941    | Uruk III | Uruk  | -   |  NESAG <sub>2</sub> ~b@t  |
| P002891 | IM 046146    | Uruk III | Uruk  | -   |   GA <sub>2</sub> ~a1×NAGA~a <br>  GAN~c×ŠE~a <br>  SILA <sub>3</sub> ~d×NI~a |
| P003081 | IM —         | Uruk IV  | Uruk  | -   |   SIG <sub>2</sub> ~b×1(N14)   |
| P003082 | IM —         | Uruk IV  | Uruk  | -   |  KAD <sub>4</sub> ~c1<br> KAD <sub>4</sub> ~c2  |
| P003096 | IM —         | Uruk IV  | Uruk  | -   |  ALAN~d   |
| P003098 | IM 133643    | Uruk IV  | Uruk  | -   |  LAM~b@s  |































| CDLI    | MusNo       | Time     | Place | Pub | Missing  |
|---------|-------------|----------|-------|-----|--|
| P003163 | IM 133666   | Uruk IV  | Uruk  | -   |   SILA <sub>3</sub> ~a×HI@g~a  |
| P003251 | IM 064851   | Uruk IV  | Uruk  | -   |   GA <sub>2</sub> ~a1×(HI.SUHUR) <br>  GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~a) |
| P003252 | IM 064852   | Uruk IV  | Uruk  | -   |  ZATU634   |
| P003403 | IM 065104   | Uruk IV  | Uruk  | -   |   HI×ZATU707~a   |
| P003406 | IM 065106   | Uruk III | Uruk  | -   |  GIBIL@t   |
| P003407 | IM 065107   | Uruk IV  | Uruk  | -   |  URUDU@g~b   |
| P003433 | IM 065115   | Uruk IV  | Uruk  | -   |   MAH~b×KU <sub>6</sub> ~a   |
| P003436 | IM 065116   | Uruk IV  | Uruk  | -   |  E~d   |
| P003488 | IM —        | Uruk IV  | Uruk  | -   |   KAB×1(N58)   |
| P003541 | IM —        | Uruk III | Uruk  | -   |   SAG×1(N14)   |
| P003543 | IM —        | Uruk III | Uruk  | -   |   GA <sub>2</sub> ~a2×NI~b   |
| P003798 | IM —        | Uruk IV  | Uruk  | -   |   SILA <sub>3</sub> ~a×HI@g~a  |
| P003809 | IM —        | Uruk III | Uruk  | -   |  GALGA~b   |
| P003839 | IM 134421   | Uruk III | Uruk  | -   |   LU <sub>2</sub> ×GEŠTU~c3  |
| P003977 | IM 073483   | Uruk IV  | Uruk  | -   |   SIG <sub>2</sub> ~b×1(N14)   |
| P003997 | IM 134508   | Uruk IV  | Uruk  | -   |   LAGAB~b×BANŠUR~a <br>  LAGAB~b×GA'AR~a1                                |
| P004010 | IM 134519,1 | Uruk III | Uruk  | -   |   NINDA <sub>2</sub> ×(UDU~a×TAR~a)  |
| P004079 | IM 134567   | Uruk IV  | Uruk  | -   |  TUG <sub>2</sub> ~d<br> UDU~b   |
| P004128 | IM 074216   | Uruk III | Uruk  | -   |   DUG~a×KASKAL <br>  DUG~a×LAM~b   |
| P004151 | IM 134623   | Uruk IV  | Uruk  | -   |  ZATU627   |
| P004175 | IM 074278   | Uruk IV  | Uruk  | -   |  ZATU632~c   |
| P004199 | IM 134670   | Uruk IV  | Uruk  | -   |   SILA <sub>3</sub> ~a×1(N58)  |
| P004204 | IM 074279   | Uruk IV  | Uruk  | -   |  GADA~b  |
| P004222 | IM 134688   | Uruk IV  | Uruk  | -   |  ŠIDIM@t   |
| P004228 | IM 074288   | Uruk IV  | Uruk  | -   |  KA <sub>2</sub> ~c<br>  LAL <sub>2</sub> ~a×EZEN~a                      |



| CDLI    | MusNo        | Time     | Place | Pub | Missing  |
|---------|--------------|----------|-------|-----|--|
| P004230 | IM 134695    | Uruk IV  | Uruk  | -   |   EN~c&EN~c  |
| P004312 | IM 074296    | Uruk III | Uruk  | -   |  ZUBI-b  |
| P004328 | IM 134845    | Uruk III | Uruk  | -   |   ZATU651×ŠE~a   |
| P004329 | IM 134846    | Uruk III | Uruk  | -   |   SILA <sub>3</sub> ~a×GEŠTU~c5  |
| P004333 | IM 074311    | Uruk III | Uruk  | -   |   GA <sub>2</sub> ~b×KU <sub>3</sub> ~a  |
| P004377 | IM 134911    | Uruk III | Uruk  | -   |  KU <sub>6</sub> ~a@s  |
| P004382 | IM 074325    | Uruk IV  | Uruk  | -   |  KISAL~a2  |
| P004388 | IM 134923    | Uruk III | Uruk  | -   |  NUNUZ~b2<br>ZATU761  |
| P004414 | IM 074344    | Uruk IV  | Uruk  | -   |   EZEN~a×EN~a <br>ZATU699~a  |
| P004431 | IM —         | Uruk III | Uruk  | -   |  DAR~d   |
| P004452 | IM 134954    | Uruk III | Uruk  | -   |   GAN~c×NE~a   |
| P004454 | IM —         | Uruk IV  | Uruk  | -   |   ZATU644~a×1(N14)  |
| P004464 | IM —         | Uruk III | Uruk  | -   |  GALGA~b<br>  GAN~c×ŠE~a |
| P004474 | IM 134960    | Uruk IV  | Uruk  | -   |  GIR~d   |
| P004502 | IM 134967    | Uruk IV  | Uruk  | -   |   ZATU759×KU <sub>6</sub> ~d  |
| P004612 | IM 135007    | Uruk III | Uruk  | -   |  GARA <sub>2</sub> ~b  |
| P005007 | IM 025757,04 | Uruk IV  | Uruk  | -   |   HI×1(N58)  |
| P006024 | MS 2356      | Uruk III | Umma  | -   |   KAB×1(N58)   |
| P006027 | MS 2359      | Uruk III | Umma  | -   |   GA <sub>2</sub> ~a2×3(N57)   |
| P006028 | MS 2360      | Uruk III | Umma  | -   |   LAGAB~a×LAGAB~a <br>NA~d   |
| P006029 | MS 2387      | Uruk III | Umma  | -   |  ZATU821<br> ZATU837~a   |
| P006034 | MS 2392      | Uruk III | Umma  | -   |  ZATU825   |
| P006035 | MS 2393      | Uruk III | Umma  | -   |  UH<br> ZATU826          |

| CDLI    | MusNo     | Time     | Place     | Pub | Missing   |
|---------|-----------|----------|-----------|-----|---|
| P006040 | MS 2427   | Uruk III | Umma      | -   |   PIRIG~b1×UR <sub>2</sub>  <br> ZATU821<br> ZATU823   |
| P006041 | MS 2428   | Uruk III | uncertain | -   |  ZATU855   |
| P006042 | MS 2429/1 | Uruk III | Umma      | -   |  RAD~a@t   |
| P006046 | MS 2429/5 | Uruk III | uncertain | -   |  RAD~a@t   |
| P006048 | MS 2431   | Uruk III | Umma      | -   |  ZATU697~c   |
| P006053 | MS 2436   | Uruk III | Umma      | -   |  ZATU823   |
| P006054 | MS 2437   | Uruk III | Umma      | -   |  ZATU826   |
| P006056 | MS 2439   | Uruk III | Umma      | -   |   AB~a×SUKKAL <br>  GI <sub>4</sub> ~a&GI <sub>4</sub> ~a <br> NUNUZ~a1@t<br> ZATU825 |
| P006057 | MS 2440   | Uruk III | uncertain | -   |  ZATU824<br> ZATU831   |
| P006058 | MS 2441   | Uruk III | Umma      | -   |  ZATU821   |
| P006061 | MS 2444   | Uruk III | Umma      | -   |   A×AB <sub>2</sub>  <br> ZATU852<br> ZATU853  |
| P006062 | MS 2445   | Uruk III | Umma      | -   |  ZATU820   |
| P006065 | MS 2498   | Uruk III | uncertain | -   |   GA <sub>2</sub> ~a1×EN~a   |
| P006067 | MS 2500   | Uruk III | uncertain | -   |   AB~b×A <br>  SAG×GEŠTU~c <br>  UR~a×KAR <sub>2</sub> ~b <br> ZATU821        |
| P006068 | MS 2501   | Uruk III | uncertain | -   |  ZATU831@g   |
| P006070 | MS 2503/1 | Uruk III | Umma      | -   |   DUG~b×E~a <br>  DUG~b×3(N57)  |
| P006071 | MS 2503/2 | Uruk III | Umma      | -   |   DUG~b×(NI~a@g.ZATU779) <br>  DUG~b×SUKUD~d <br>  DUG~b×ZATU707~a   |
| P006072 | MS 2504   | Uruk III | Umma      | -   |  ZATU821   |
| P006077 | MS 2509   | Uruk III | Umma      | -   |  NUNUZ~a1@t  |









































| CDLI    | MusNo      | Time     | Place     | Pub | Missing   |
|---------|------------|----------|-----------|-----|---|
| P006082 | MS 2514    | Uruk III | Umma      | -   |   ZATU737×E~a   |
| P006083 | MS 2515    | Uruk III | Umma      | -   |  ZATU822  |
| P006098 | MS 2677    | Uruk III | Umma      | -   |  A@t  |
| P006105 | MS 2684    | Uruk III | Umma      | -   | <br>URU~a1@n<br>ZATU829   |
| P006107 | MS 2686    | Uruk III | Umma      | -   |   MUŠEN×PAP~a   |
| P006117 | MS 2696    | Uruk III | Umma      | -   |  ZATU821  |
| P006120 | MS 2727    | -        | Umma      | -   |   GA <sub>2</sub> ~a1×EN~a  |
| P006136 | MS 2782/16 | Uruk III | Umma      | -   |   LAGAB~a×SI  |
| P006140 | MS 2840    | Uruk III | uncertain | -   |  SIG@g<br>ZATU697~c   |
| P006155 | MS 2862/08 | Uruk III | Umma      | -   |  ZATU839  |
| P006160 | MS 2862/13 | Uruk III | Umma      | -   |   A×AB <sub>2</sub>   |
| P006173 | MS 2863/07 | Uruk III | Umma      | -   |   E <sub>2</sub> ~a×3(N58)  |
| P006175 | MS 2863/09 | Uruk III | Umma      | -   |  ZATU838<br>ZATU839   |
| P006190 | MS 2863/24 | Uruk III | Umma      | -   |  ZATU841  |
| P006191 | MS 2863/25 | Uruk III | Umma      | -   |  ZATU837~a  |
| P006196 | MS 2863/30 | Uruk III | Umma      | -   |   GA <sub>2</sub> ~a1×EN~a  |
| P006199 | MS 2869/01 | Uruk III | Umma      | -   |  KASKAL@g   |
| P006203 | MS 2869/05 | Uruk III | Umma      | -   |  ZATU823  |
| P006219 | MS 2900/11 | Uruk III | Umma      | -   |   LAGAB~a×SI  |
| P006224 | MS 2900/16 | Uruk III | Umma      | -   |  ZATU839  |
| P006236 | MS 2900/28 | Uruk III | Umma      | -   |  ZATU839  |
| P006243 | MS 2900/35 | Uruk III | Umma      | -   |   LAGAB~a×BA  |
| P006250 | MS 2964    | Uruk III | Umma      | -   |  ZATU837~a<br> ZATU837~b        |
| P006251 | MS 2965    | Uruk III | Umma      | -   |  ZATU840  |
| P006254 | MS 2997    | Uruk III | Umma      | -   |  ZATU841  |
| P006255 | MS 2998    | Uruk III | Umma      | -   |   BU~a×1(N58)   |
| P006262 | MS 3008    | -        | uncertain | -   |  EN~e<br> TUR <sub>3</sub> ~a@n |
























































| CDLI    | MusNo   | Time     | Place     | Pub | Missing  |
|---------|---------|----------|-----------|-----|--|
| P006263 | MS 3009 | -        | uncertain | -   |  ZATU842   |
| P006270 | MS 4162 | Uruk III | Umma      | -   |  ZATU838   |
| P006272 | MS 3880 | Uruk III | Umma      | -   |  ZATU839   |
| P006275 | MS 3883 | Uruk III | Umma      | -   |  NESAG <sub>2</sub> ~a2<br>  ZATU737~I                       |
| P006278 | MS 3886 | Uruk III | Umma      | -   |  SUM~a@t<br> ZATU838   |
| P006282 | MS 4461 | Uruk III | Umma      | -   |   ŠITA~a1×ŠU <sub>2</sub>  |
| P006284 | MS 4463 | Uruk III | Umma      | -   |   AB~b×ŠA <sub>3</sub> ~a1   |
| P006288 | MS 4485 | Uruk IV  | uncertain | -   |   UR <sub>3</sub> ~b1×MAŠ <br> ZATU844                       |
| P006289 | MS 4486 | Uruk III | Umma      | -   |  ZATU845<br> ZATU846   |
| P006290 | MS 4487 | Uruk III | Umma      | -   |   (SUKUD+SUKUD)~d  |
| P006291 | MS 4488 | Uruk III | Umma      | -   |   GA <sub>2</sub> ~a1×NIM~b1 <br>  LAGAB~b×SUH <sub>3</sub> |
| P006292 | MS 4489 | Uruk III | Umma      | -   |   LAGAB~a×BIR <sub>3</sub> ~b  |
| P006293 | MS 4490 | Uruk III | Umma      | -   |  ZATU848   |
| P006294 | MS 4491 | Uruk III | Umma      | -   |   LAGAB~a×KAK~a <br> ZATU856                             |
| P006296 | MS 4493 | Uruk III | Umma      | -   |  ZATU624~c   |
| P006301 | MS 4497 | Uruk III | Umma      | -   |   URU~a1×GU <sub>4</sub>   |
| P006307 | MS 4503 | Uruk III | Umma      | -   |   AB~b×KU <sub>6</sub> ~a  |
| P006308 | MS 4504 | Uruk III | Umma      | -   |  ZATU857   |
| P006316 | MS 4530 | Uruk IV  | uncertain | -   |  DUB~b@r<br> KUR~d                                       |
| P006317 | MS 4537 | Uruk III | Umma      | -   |   GIR <sub>3</sub> ~c×KAR <sub>2</sub> ~b  |
| P006318 | MS 4538 | Uruk III | Umma      | -   |  ZATU683@t<br> ZATU849                                   |
| P006319 | MS 4539 | Uruk III | Umma      | -   |   BU~a×GIŠ@t   |
| P006323 | MS 4543 | Uruk III | Umma      | -   |   TA~d×MAŠ   |







































| CDLI    | MusNo          | Time     | Place     | Pub | Missing  |
|---------|----------------|----------|-----------|-----|--|
| P006324 | MS 4551        | Uruk III | Umma      | -   |   GUG <sub>2</sub> ×ŠITA~a1 <br>  MAH-b×MAŠ  |
| P006326 | MS 4557        | Uruk III | Umma      | -   |   GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~b)   |
| P006438 | AOST 109       | Uruk III | Umma      | -   |   AB~a×SUKKAL   |
| P200022 | MS 2900/un1    | Uruk III | Umma      | -   |   LAGAB~a×SI  |
| P218054 | CMAA 020-C0003 | Uruk III | Umma      | -   |  ZATU843  |
| P252177 | MS 3166        | -        | uncertain | -   |  HI-b<br>  ŠU <sub>2</sub> ×3(N57) <br> UR <sub>3</sub> ~d2                   |
| P252182 | MS 3171        | -        | uncertain | -   |   GA <sub>2</sub> ~b×NUN~b <br>  LAGAB~b×(HI×1(N04)) <br> ŠUR <sub>2</sub> ~c |
| P252184 | MS 3173        | Uruk III | uncertain | -   |  AŠ <sub>2</sub>  |
| P274471 | MS 4588/1      | Uruk III | Umma      | -   |   LAGAB~a×NI~a  |
| P342517 | MW 0188/020    | -        | uncertain | -   |  NIM-d  |
| P342525 | MW 0188/033    | -        | uncertain | -   |  ZATU659@t   |
| P342526 | MW 0188/034    | -        | uncertain | -   |  AB <sub>2</sub> @g   |
| P342533 | MW 0188/041    | -        | uncertain | -   |   LAGAB~a×LA <sub>2</sub> ~a <br> SIG-b  |
| P342536 | MW 0188/045    | -        | uncertain | -   |  UKKIN~d  |
| P342547 | MW 0188/056    | -        | uncertain | -   |   ZATU737@t×PAP~a   |
| P448702 | Anon. 448702   | Uruk III | uncertain | -   |  SUKUD@h  |
| P504412 | Anon. 504412   | Uruk III | uncertain | -   |   SILA <sub>3</sub> ~d×NI~a   |
| P512554 | Anon. 512554   | Uruk III | uncertain | -   |   KAB×1(N58) <br> ZATU853  |
| P518361 | Kress 301      | Uruk III | uncertain | -   |   U <sub>4</sub> ×(1(N14).3(N01))   |

## E PC25 Not Encoded: Broken

This table gives signs which are not encoded because they only occur in instances which are incomplete.







| PCSL                                |                          | FONT  | CDLI  | ATU3   | ATU5  | MSVO1 | MSVO4   | CUSAS   |
|-------------------------------------|--------------------------|---|---|--|---|-------|---|---|
| AB~a×X                              | ZERO                     |    |    |  |   |       |   |   |
|                                     | <a href="#">o0980016</a> | F2404   |   |  |   |       |   |   |
| AMAR@g                              | PC25-bk                  |    |    |  |   |       |   |   |
| CDLI:  AMAR@g <br>1× IV: 1p         | <a href="#">o0980057</a> | F240B   |   |  |   |       |   |   |
| (BU~a&BU~a).X                       | PC25-bk                  |    |    |  |   |       |   |   |
| 1×                                  | <a href="#">o0980124</a> | F240F   |   |  |   |       |   |   |
| DU <sub>g</sub> ~c×X                | ZERO                     |    |    |  |   |       |   |   |
|                                     | <a href="#">o0980198</a> | F2411   |   |  |   |       |   |   |
| DUG~b×BA                            | PC25-bk                  |    |   |  |   |       |   |   |
| 1× IV: 1p                           | <a href="#">o0980226</a> | F252E   |   |  |   |       |   |   |
| DUG~b×(KUR~a.X)                     | PC25-bk                  |    |    |   |   |       |   |   |
| 1× III: 1p                          | <a href="#">o0980243</a> | F2415   |   | F2415  |   |       |   |   |
| DUG~b×(SI <sub>4</sub> ~a.X)        | PC25-bk                  |    |    |   |   |       |   |   |
| 1× III: 1p                          | <a href="#">o0980254</a> | F2417   |   | F2417  |   |       |   |   |
| DUG~b×X                             | PC25-bk                  |   |   |  |  |       |   |   |
| 128×<br>IV: 3p/3u;<br>III: 108p/14u | <a href="#">o0980272</a> | F20BC<br>F20BB  |   | F20BB  | F20BB   |       |   |   |
| EZEN~a×X                            | PC25-bk                  |  |  |  |   |       |   |   |
| 2× IV: 1p; III: 1u                  | <a href="#">o0980349</a> | F241F   |   |  |   |       |   |   |
| GA~a×X                              | ZERO                     |  |  |  |   |       |   |   |
|                                     | <a href="#">o0980360</a> | F24F7   |   |  |   |       |   |   |
| GA <sub>2</sub> ~a1×X <sub>1</sub>  | PC25-bk                  |  |   |  |   |       |   |  |
| 1× III: 1p                          | <a href="#">o0982286</a> | F2529   |   |  |   |       |   | F2529   |
| GA <sub>2</sub> ~a2×X               | PC25-bk                  |  |  |  |   |       |   |   |
| 1× III: 1p                          | <a href="#">o0980410</a> | F2429   |   |  |   |       |   |   |
| GA <sub>2</sub> ~a3×X               | PC25-bk                  |  |  |  |   |       |   |   |
| 1× IV: 1p                           | <a href="#">o0980413</a> | F242A   |   |  |   |       |   |   |
| GAN~c×X                             | PC25-bk                  |  |  |  |   |       |   |   |
| 3× IV: 1p; III: 1p/1u               | <a href="#">o0980447</a> | F242F   |   |  |   |       |   |   |
| GI×X                                | UNP                      |  |  |  |   |       |   |   |
| 1× IV: 1u                           | <a href="#">o0980480</a> | F2433   |   |  |   |       |   |   |
| (GI&GI)×X                           | ZERO                     |  |  |  |   |       |  |   |
|                                     | <a href="#">o0980486</a> | F2435   |   |  |   |       | F2435   |   |
| IRHAN                               | PC25-bk                  |  |  |  |   |       |   |   |
| 1× III: 1p                          | <a href="#">o0980617</a> | F243E   |   |  |   |       |   |   |

| PCSL   |          | FONT  | CDLI  | ATU3   | ATU5  | MSVO1  | MSVO4  | CUSAS |
|--|----------|---|---|--|---|--|--|-------|
| LAGAB~a×X                                      | PC25-bk  | <br>F2120<br><br>1<br>F2121 |    | <br>F2121 |   |  |  |       |
| 3× IV: 1p; III: 2p                             | o0980749 |   |   |  |   |  |  |       |
| MAH~a×X  | PC25-bk  | <br>F2454  |    |  | <br>F2454   |  |  |       |
| 7× IV: 5p; III: 1p/1u                          | o0980823 |   |   |  |   |  |  |       |
| MAR~b×X  | PC25-bk  | <br>F2457  |    | <br>F2457 |   |  |  |       |
| 2× III: 2p                                     | o0980837 |   |   |  |   |  |  |       |
| MUŠEN×X  | ZERO     | <br>F2458  |    |  |   |  | <br>F2458   |       |
|  | o0980875 |   |   |  |   |  |  |       |
| NI~b×X   | PC25-bk  | <br>F245C  |    | <br>F245C |   |  |  |       |
| 1× IV: 1p                                      | o0980922 |   |   |  |   |  |  |       |
| NINDA <sub>2</sub> ×(AN.X)                     | PC25-bk  | <br>F245D  |    | <br>F245D |   |  |  |       |
| 1× III: 1p                                     | o0980938 |   |   |  |   |  |  |       |
| NINDA <sub>2</sub> ×(HI.X)                     | PC25-bk  | <br>F245F  |    |  |   |  |  |       |
| 1× III: 1p                                     | o0980949 |   |   |  |   |  |  |       |
| NINDA <sub>2</sub> ×(U <sub>4</sub> .X)        | UNP      | <br>F2460  |    |  |   |  |  |       |
| 1× III: 1u                                     | o0980957 |   |   |  |   |  |  |       |
| NINDA <sub>2</sub> ×X                          | PC25-bk  | <br>F2463  |    |  |   | <br>F2463   |  |       |
| 12× IV: 2p/1u;<br>III: 3p/5u                   | o0980960 |   |   |  |   |  |  |       |
| SILA <sub>3</sub> ~a×X                         | PC25-bk  | <br>F2470  |  |  | <br>F2470 |  |  |       |
| 17× IV: 7p/5u;<br>III: 3p/2u                   | o0981125 |   |   |  |   |  |  |       |
| U <sub>4</sub> ×X                              | PC25-bk  | <br>F247F  |  |  |   |  |  |       |
| 2× III: 1p/1u                                  | o0981350 |   |   |  |   |  |  |       |
| U <sub>4</sub> ×(X+2(N01))                     | UNP      | <br>F2480  |  |  |   |  |  |       |
| 1× III: 1u                                     | o0981351 |   |   |  |   |  |  |       |
| U <sub>4</sub> ×2(N01)                         | PC25-bk  | <br>F2481  |  |  |   | <br>F2481 | <br>F2481 |       |
| 14× III: 13p/1u                                | o0981355 |   |   |  |   |  |  |       |
| U <sub>4</sub> ×N(N01)                         | UNP      | <br>F2484  |  |  |   |  |  |       |
| CDLI:  U <sub>4</sub> ×(X(N01)) <br>1× III: 1u | o0981368 |   |   |  |   |  |  |       |
| UKKIN~b×X                                      | PC25-bk  | <br>F2488  |  |  |   |  |  |       |
| 1× III: 1p                                     | o0981421 |   |   |  |   |  |  |       |
| URU~a1×X                                       | PC25-bk  | <br>F248C  |  |  | <br>F248C |  |  |       |
| 2× IV: 1p; III: 1p                             | o0981471 |   |   |  |   |  |  |       |
| ZATU640  | PC25-bk  | <br>F2493  |  |  | <br>F2493 |  |  |       |
| 1× IV: 1p                                      | o0981556 | ZATU640   |   |  |   |  |  |       |
| ZATU650  | PC25-bk  | <br>F2495  |  |  | <br>F2495 |  |  |       |
| 1× IV: 1p                                      | o0981567 | ZATU650   |   |  |   |  |  |       |
| ZATU651×X                                      | PC25-bk  | <br>F2496  |  |  |   |  |  |       |
| 2× III: 2p                                     | o0981575 |   |   |  |   |  |  |       |
| ZATU670  | PC25-bk  | <br>F2498  |  |  | <br>F2498 |  |  |       |
| 1× IV: 1p                                      | o0981591 | ZATU670   |   |  |   |  |  |       |

| PCSL               |                          | FONT  | CDLI  | ATU3  | ATU5   | MSVO1 | MSVO4   | CUSAS |
|--------------------|--------------------------|---|---|---|--|-------|---|-------|
| ZATU704            | PC25-bk                  |    |    |   |    |       |   |       |
| 3× IV: 2p          | <a href="#">o0981645</a> | ZATU704   | F249C   |   | F249C  |       |   |       |
| ZATU711×X          | PC25-bk                  |    |    |   |    |       |   |       |
| 1× IV: 1p          | <a href="#">o0981655</a> |   | F249D   |   | F249D  |       |   |       |
| ZATU714×X          | PC25-bk                  |    |    |   |  |       |   |       |
| 2× IV: 1p; III: 1u | <a href="#">o0981660</a> |   | F249E   |   |  |       |   |       |
| ZATU724            | PC25-bk                  |    |    |   |    |       |  |       |
| 3× IV: 1p; III: 2p | <a href="#">o0981668</a> | ZATU724   | F249F   |   | F249F  |       | F249F   |       |
| ZATU733            | UNP                      |    |    |   |  |       |   |       |
| 1× III: 1u         | <a href="#">o0981678</a> | ZATU733   | F24A0   |   |  |       |   |       |
| ZATU737×X          | PC25-bk                  |    |    |  |  |       |   |       |
| 14× III: 12p/2u    | <a href="#">o0981704</a> |   | F24A2   | F24A2   |  |       |   |       |
| ZATU759×X          | PC25-bk                  |    |    |   |  |       |   |       |
| 2× IV: 1p          | <a href="#">o0981725</a> |   | F24A4   |   |  |       |   |       |
| ZATU759@t×X        | PC25-bk                  |    |    |   |  |       |   |       |
| 1× III: 1p         | <a href="#">o0981726</a> |   | F24A5   |   |  |       |   |       |
| ZATU768            | PC25-bk                  |    |    |   |    |       |   |       |
| 1× IV: 1p          | <a href="#">o0981736</a> | ZATU768   | F24A7   |   | F24A7  |       |   |       |
| ZATU769            | PC25-bk                  |   |   |   |   |       |   |       |
| 1× III: 1p         | <a href="#">o0981737</a> | ZATU769   | F24A8   |   | F24A8  |       |   |       |
| ZATU771            | PC25-bk                  |  |  |   |  |       |   |       |
| 1× IV: 1p          | <a href="#">o0981738</a> | ZATU771   | F24A9   |   | F24A9  |       |   |       |
| ZATU785            | PC25-bk                  |  |  |   |  |       |   |       |
| 1× III: 1p         | <a href="#">o0981753</a> | ZATU785   | F24AB   |   |  |       |   |       |
| ZATU817            | PC25-bk                  |  |  |   |  |       |   |       |
| 1× IV: 1p          | <a href="#">o0981781</a> | ZATU817   | F24B0   |   | F24B0  |       |   |       |
| ZATU818            | PC25-bk                  |  |  |   |  |       |   |       |
| 1× IV: 1p          | <a href="#">o0981782</a> | ZATU818   | F24B1   |   | F24B1  |       |   |       |




































## F PC25 Not Encoded: Uruk IV/III not in Sub-corpus

This table gives signs which do occur in Uruk IV and III but do not occur within the restricted PC25 corpus; this is largely the same set as that in Appendix D.





















| PCSL  |          | FONT  | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS   |
|---|----------|---|---|------|------|-------|-------|---|
| A×AB <sub>2</sub>   | UNP      |    |    |      |      |       |       |   |
| 3× III: 3u  | o0980001 | F2400   |   |      |      |       |       |   |
| A@t   | UNP      |    |    |      |      |       |       |   |
| 1× III: 1u  | o0980008 | F2401   |   |      |      |       |       |   |
| AB~a×KU <sub>6</sub> ~a                                     | ZERO     |    |    |      |      |       |       |   |
|   | o0980013 | ZATU389   | F2402   |      |      |       |       |   |
| AB~a×SUKKAL   | UNP      |    |    |      |      |       |       |   |
| 3× III: 3u  | o0980014 | F2403   |   |      |      |       |       |   |
| AB~a×1(N01)   | ZERO     |    |    |      |      |       |       |   |
|   | o0980018 | F2405   |   |      |      |       |       |   |
| AB~b×A  | UNP      |    |    |      |      |       |       |   |
| 1× III: 1u  | o0980022 | ZATU008   | F2406   |      |      |       |       |   |
| AB~b×KU <sub>6</sub> ~a                                     | UNP      |    |    |      |      |       |       |   |
| 1× III: 1u  | o0980023 | F2407   |   |      |      |       |       |   |
| AB~b×ŠA <sub>3</sub> ~a1                                    | UNP      |   |   |      |      |       |       |   |
| 1× III: 1u  | o0980024 | F2408   |   |      |      |       |       |   |
| AB <sub>2</sub> @g  | UNP      |  |  |      |      |       |       |   |
| 1×  | o0980027 | F2525   |   |      |      |       |       |   |
| ADDA@t  | ZERO     |  |  |      |      |       |       |   |
|   | o0980036 | F2409   |   |      |      |       |       |   |
| ALAN~d  | UNP      |  |  |      |      |       |       |   |
| 1× IV: 1u   | o0980044 | ZATU025   | F240A   |      |      |       |       |   |
| AŠ <sub>2</sub>   | UNP      |  |  |      |      |       |       |   |
| 1× III: 1u  | o0980074 | F240C   |   |      |      |       |       |   |
| BAR×URI <sub>3</sub> ~a                                     | NOT      |  |   |      |      |       |       |  |
|   | o0980103 | F252D   |   |      |      |       |       | F252D   |
| BAR×UŠ~a  | NOT      |  |   |      |      |       |       |  |
|   | o0980104 | F253E   |   |      |      |       |       | F253E   |
| ((BU~a.DU <sub>6</sub> ~a)&(BU~a.DU <sub>6</sub> ~a))×UDU~a | ZERO     |  |   |      |      |       |       |  |
|   | o0980116 | F2523   |   |      |      |       |       | F2523   |
| BU~a+TU~b   | ZERO     |  |   |      |      |       |       |  |
|   | o0980119 | F2526   |   |      |      |       |       | F2526   |
| BU~a×GIŠ@t  | UNP      |  |  |      |      |       |       |   |
| 1× III: 1u  | o0980121 | F240D   |   |      |      |       |       |   |
| BU~a×1(N58)   | UNP      |  |  |      |      |       |       |   |
| 1× III: 1u  | o0980122 | F240E   |   |      |      |       |       |   |







































| PCSL   | FONT          | CDLI | ATU3 | ATU5 | MSV01 | MSV04 | CUSAS |
|--|---------------|------|------|------|-------|-------|-------|
| DAR~d<br>1x III: 1u<br>o0980150<br>ZATU069   | UNP<br>F2410  |      |      |      |       |       |       |
| DU <sub>6</sub> ~a@n<br>o0980187   | ZERO<br>F253A |      |      |      |       |       |       |
| DUB~b@r<br>1x IV: 1u<br>o0980202   | UNP<br>F252B  |      |      |      |       |       |       |
| DUG~a×KASKAL <br>1x III: 1u<br>o0980214<br>ZATU103   | UNP<br>F2412  |      |      |      |       |       |       |
| DUG~a×LAM~b <br>1x III: 1u<br>o0980216<br>ZATU106  | UNP<br>F2413  |      |      |      |       |       |       |
| DUG~b×E~a <br>1x III: 1u<br>o0980231   | UNP<br>F2414  |      |      |      |       |       |       |
| DUG~b×(NI~a@g.ZATU779) <br>1x III: 1u<br>o0980250  | UNP<br>F2416  |      |      |      |       |       |       |
| DUG~b×SUKUD~d <br>1x III: 1u<br>o0980259<br>ZATU116  | UNP<br>F252C  |      |      |      |       |       |       |
| DUG~b×ZATU707~a <br>1x III: 1u<br>o0980273   | UNP<br>F2418  |      |      |      |       |       |       |
| DUG~b×3(N57) <br>1x III: 1u<br>o0980281  | UNP<br>F2419  |      |      |      |       |       |       |
| E~d<br>1x IV: 1u<br>o0980295<br>ZATU128  | UNP<br>F241A  |      |      |      |       |       |       |
| E <sub>2</sub> ~a×3(N58) <br>1x III: 1u<br>o0980299  | UNP<br>F241B  |      |      |      |       |       |       |
| EN~c&EN~c <br>1x IV: 1u<br>o0980313  | UNP<br>F241C  |      |      |      |       |       |       |
| EN~e<br>1x<br>o0980314<br>ZATU134  | UNP<br>F241D  |      |      |      |       |       |       |
| EZEN~a×EN~a <br>1x IV: 1u<br>o0980335<br>ZATU151   | UNP<br>F2420  |      |      |      |       |       |       |
| EZEN~a×SAG <br>1x III: 1u<br>o0980345  | UNP<br>F241E  |      |      |      |       |       |       |
| GA <sub>2</sub> ~a1×EN~a <br>4x III: 3u<br>o0980368  | UNP<br>F2527  |      |      |      |       |       |       |
| GA <sub>2</sub> ~a1×(HI.SUHUR) <br>1x IV: 1u<br>o0980379<br>ZATU171  | UNP<br>F2421  |      |      |      |       |       |       |
| GA <sub>2</sub> ~a1×NAGA~a <br>1x III: 1u<br>o0980385<br>ZATU177   | UNP<br>F2422  |      |      |      |       |       |       |
| GA <sub>2</sub> ~a1×NIM~b1 <br>AKA:  GA <sub>2</sub> ~a2×NIM~b1 <br>CDLI:  GA <sub>2</sub> ~a2×NIM~b1 <br>1x III: 1u<br>o0980386 | UNP<br>F2423  |      |      |      |       |       |       |




















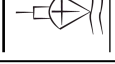









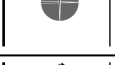



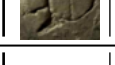


































| PCSL  | FONT  | CDLI  | ATU3 | ATU5 | MSV01 | MSV04 | CUSAS |
|---|---|---|------|------|-------|-------|-------|
| GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~a) <br>UNP<br>AKA:  GA <sub>2</sub> ~a1×(SUKUD&SUKUD)~a <br>CDLI:  GA <sub>2</sub> ~a1×((SUKUD&SUKUD)~a) <br>1× IV: 1u <a href="#">o0980393</a>      |    |    |      |      |       |       |       |
| GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~b) <br>UNP<br>AKA:  GA <sub>2</sub> ~a1×(SUKUD&SUKUD)~b <br>CDLI:  GA <sub>2</sub> ~a1×((SUKUD&SUKUD)~b) <br>1× III: 1u <a href="#">o0980394</a>     |    |    |      |      |       |       |       |
| GA <sub>2</sub> ~a2×NI~b <br>UNP<br>1× III: 1u <a href="#">o0980406</a> ZATU178   |    |    |      |      |       |       |       |
| GA <sub>2</sub> ~a2×3(N57) <br>UNP<br>1× III: 1u <a href="#">o0980411</a>   |    |   |      |      |       |       |       |
| GA <sub>2</sub> ~b×KU <sub>3</sub> ~a <br>UNP<br>1× III: 1u <a href="#">o0980418</a> ZATU172  |    |    |      |      |       |       |       |
| GA <sub>2</sub> ~b×NUN~b <br>UNP<br>1× <a href="#">o0980420</a>   |    |    |      |      |       |       |       |
| GADA~b<br>UNP<br>1× IV: 1u <a href="#">o0980428</a> ZATU186   |    |    |      |      |       |       |       |
| GALGA~b<br>UNP<br>3× III: 3u <a href="#">o0980433</a> ZATU189   |    |    |      |      |       |       |       |
| GAN~c×NE~a <br>UNP<br>3× III: 3u <a href="#">o0980443</a> ZATU193   |   |   |      |      |       |       |       |
| GAN~c×ŠE~a <br>UNP<br>4× III: 4u <a href="#">o0980445</a> ZATU194   |  |  |      |      |       |       |       |
| GAN~c×ŠE <sub>3</sub> @t <br>UNP<br>1× III: 1u <a href="#">o0980446</a>   |  |  |      |      |       |       |       |
| GARA <sub>2</sub> ~b<br>UNP<br>2× III: 2u <a href="#">o0980460</a> ZATU199  |  |  |      |      |       |       |       |
| (GI&GI)×ŠE <sub>3</sub>  <br>UNP<br>CDLI:  (GI+&GI)×ŠE <sub>3</sub>  <br>2× III: 2u <a href="#">o0980485</a> ZATU206  |  |  |      |      |       |       |       |
| GI <sub>4</sub> ~a&GI <sub>4</sub> ~a <br>UNP<br>1× III: 1u <a href="#">o0980491</a>  |  |  |      |      |       |       |       |
| GIBIL@t<br>UNP<br>1× III: 1u <a href="#">o0980496</a>   |  |  |      |      |       |       |       |
| GIR~d<br>UNP<br>1× IV: 1u <a href="#">o0980505</a> ZATU216  |  |  |      |      |       |       |       |
| GIR <sub>2</sub> ~b<br>ZERO<br><a href="#">o0980507</a> ZATU218   |  |  |      |      |       |       |       |
| GIR <sub>3</sub> ~c×KAR <sub>2</sub> ~b <br>UNP<br>AKA:  GIR <sub>3</sub> ~c×KAR <sub>2</sub>  <br>CDLI:  GIR <sub>3</sub> ~c×KAR <sub>2</sub>  <br>3× III: 3u <a href="#">o0980512</a> |  |  |      |      |       |       |       |













| PCSL                               |                          | FONT  | CDLI  | ATU3 | ATU5  | MSVO1 | MSVO4 | CUSAS |
|------------------------------------|--------------------------|-------|-------|------|-------|-------|-------|-------|
| <b> GU<sub>4</sub>×1(N58) </b>     | ZERO                     |       |       |      |       |       |       |       |
| CDLI: *GU <sub>4</sub> +1N58       | <a href="#">o0982249</a> | F2541 | F2541 |      | F2541 |       |       |       |
| <b> GUG<sub>2</sub>×ŠITA~a1 </b>   | UNP                      |       |       |      |       |       |       |       |
| 1× III: 1u                         | <a href="#">o0980554</a> | F24FC | F24FC |      |       |       |       |       |
| <b>GUG<sub>2</sub>@t</b>           | ZERO                     |       |       |      |       |       |       |       |
|                                    | <a href="#">o0980556</a> | F243B | F243B |      |       |       |       |       |
| <b> HI×ZATU707~a </b>              | UNP                      |       |       |      |       |       |       |       |
| 1× IV: 1u                          | <a href="#">o0980583</a> | F243C | F243C |      |       |       |       |       |
| ZATU257                            |                          |       |       |      |       |       |       |       |
| <b> HI×1(N58) </b>                 | UNP                      |       |       |      |       |       |       |       |
| 1× IV: 1u                          | <a href="#">o0980588</a> | F243D | F243D |      |       |       |       |       |
| <b>HI~b</b>                        | UNP                      |       |       |      |       |       |       |       |
| 1×                                 | <a href="#">o0980589</a> | F2530 | F2530 |      |       |       |       |       |
| ZATU254                            |                          |       |       |      |       |       |       |       |
| <b>KA<sub>2</sub>~c</b>            | UNP                      |       |       |      |       |       |       |       |
| 1× IV: 1u                          | <a href="#">o0980626</a> | F243F | F243F |      |       |       |       |       |
| ZATU275                            |                          |       |       |      |       |       |       |       |
| <b> KAB×1(N58) </b>                | UNP                      |       |       |      |       |       |       |       |
| AKA:  TUKU+DIŠ                     |                          |       |       |      |       |       |       |       |
| 3× IV: 1u; III: 2u                 | <a href="#">o0980630</a> | F2440 | F2440 |      |       |       |       |       |
| ZATU278                            |                          |       |       |      |       |       |       |       |
| <b>KAD<sub>4</sub>~c1</b>          | UNP                      |       |       |      |       |       |       |       |
| 1× IV: 1u                          | <a href="#">o0980633</a> | F2441 | F2441 |      |       |       |       |       |
| ZATU279                            |                          |       |       |      |       |       |       |       |
| <b>KAD<sub>4</sub>~c2</b>          | UNP                      |       |       |      |       |       |       |       |
| 1× IV: 1u                          | <a href="#">o0980634</a> | F2442 | F2442 |      |       |       |       |       |
| ZATU279                            |                          |       |       |      |       |       |       |       |
| <b>KASKAL@g</b>                    | UNP                      |       |       |      |       |       |       |       |
| CDLI:  KASKAL@g                    |                          |       |       |      |       |       |       |       |
| 1× III: 1u                         | <a href="#">o0980654</a> | F2443 | F2443 |      |       |       |       |       |
| <b>KAŠ~b@t</b>                     | ZERO                     |       |       |      |       |       |       |       |
| CDLI:  KAŠ~b@t                     | <a href="#">o0980658</a> | F2444 | F2444 |      |       |       |       |       |
| <b>KISAL~a2</b>                    | UNP                      |       |       |      |       |       |       |       |
| 1× IV: 1u                          | <a href="#">o0980681</a> | F2445 | F2445 |      |       |       |       |       |
| ZATU295                            |                          |       |       |      |       |       |       |       |
| <b>KU<sub>6</sub>~a@s</b>          | UNP                      |       |       |      |       |       |       |       |
| 1× III: 1u                         | <a href="#">o0980703</a> | F2446 | F2446 |      |       |       |       |       |
| ZATU446                            |                          |       |       |      |       |       |       |       |
| <b>KUR~d</b>                       | UNP                      |       |       |      |       |       |       |       |
| 1× IV: 1u                          | <a href="#">o0980713</a> | F2447 | F2447 |      |       |       |       |       |
| ZATU304                            |                          |       |       |      |       |       |       |       |
| <b>LA~c</b>                        | UNP                      |       |       |      |       |       |       |       |
| 1× III: 1u                         | <a href="#">o0980723</a> | F2448 | F2448 |      |       |       |       |       |
| ZATU306                            |                          |       |       |      |       |       |       |       |
| <b> LAGAB~a×BA </b>                | UNP                      |       |       |      |       |       |       |       |
| 1× III: 1u                         | <a href="#">o0980728</a> | F2449 | F2449 |      |       |       |       |       |
| <b> LAGAB~a×BIR<sub>3</sub>~b </b> | UNP                      |       |       |      |       |       |       |       |
| 2× III: 2u                         | <a href="#">o0980729</a> | F244A | F244A |      |       |       |       |       |
| <b> LAGAB~a×KAK~a </b>             | UNP                      |       |       |      |       |       |       |       |
| 1× III: 1u                         | <a href="#">o0980731</a> | F244B | F244B |      |       |       |       |       |
| <b> LAGAB~a×LA<sub>2</sub>~a </b>  | UNP                      |       |       |      |       |       |       |       |
| 1×                                 | <a href="#">o0980735</a> | F2521 | F2521 |      |       |       |       |       |



























| PCSL   | FONT          | CDLI  | ATU3 | ATU5 | MSV01 | MSV04 | CUSAS |
|--|---------------|---|------|------|-------|-------|-------|
| LAGAB~a×LAGAB~a <br>1× III: 1u o0980736  | UNP<br>F244C  |    |      |      |       |       |       |
| LAGAB~a×NI~a <br>1× III: 1u o0980738   | UNP<br>F2520  |    |      |      |       |       |       |
| LAGAB~a×SI <br>3× III: 3u o0980741   | UNP<br>F244D  |    |      |      |       |       |       |
| LAGAB~b×BANŠUR~a <br>1× IV: 1u o0980755 ZATU309  | UNP<br>F244E  |    |      |      |       |       |       |
| LAGAB~b×GA'AR~a1 <br>1× IV: 1u o0980756 ZATU311  | UNP<br>F244F  |    |      |      |       |       |       |
| LAGAB~b×(HI×1(N04)) <br>AKA:  LAGAB~b×(HI×N04) <br>1× o0980758   | UNP<br>F251F  |    |      |      |       |       |       |
| LAGAB~b×SUH <sub>3</sub>  <br>1× III: 1u o0980762  | UNP<br>F2450  |    |      |      |       |       |       |
| LAL <sub>2</sub> ~a×EZEN~a <br>1× IV: 1u o0980781 ZATU326  | UNP<br>F2451  |    |      |      |       |       |       |
| LAM~b@s<br>1× IV: 1u o0980791 ZATU329  | UNP<br>F2452  |    |      |      |       |       |       |
| LU <sub>2</sub> ×GEŠTU~c3 <br>1× III: 1u o0980797 ZATU333  | UNP<br>F2453  |    |      |      |       |       |       |
| MAH~b×KU <sub>6</sub> ~a <br>1× IV: 1u o0980826 ZATU343  | UNP<br>F2455  |   |      |      |       |       |       |
| MAH~b×MAŠ <br>1× III: 1u o0980827 ZATU344  | UNP<br>F2456  |  |      |      |       |       |       |
| MUŠEN×PAP~a <br>1× III: 1u o0980874  | UNP<br>F2506  |  |      |      |       |       |       |
| NA~d<br>1× III: 1u o0980883 ZATU378  | UNP<br>F2459  |  |      |      |       |       |       |
| NESAG <sub>2</sub> ~a2<br>AKA: NISAG~a3<br>1× III: 1u o0980914 ZATU416   | UNP<br>F2531  |  |      |      |       |       |       |
| NESAG <sub>2</sub> ~b@t<br>1× III: 1u o0980916   | UNP<br>F245A  |  |      |      |       |       |       |
| NI~a×1(N57) <br>o0980919   | ZERO<br>F245B |  |      |      |       |       |       |
| NIM~d<br>1× o0980931 ZATU398   | UNP<br>F2532  |  |      |      |       |       |       |
| NINDA <sub>2</sub> ×BA <br>1× III: 1u o0980939 ZATU402   | UNP<br>F245E  |  |      |      |       |       |       |
| NINDA <sub>2</sub> ×(UDU~a×TAR~a) <br>AKA:  NINDA <sub>2</sub> ×((UDU~a×TAR~a) <br>CDLI:  NINDA <sub>2</sub> ×((UDU~a×TAR~a) <br>1× III: 1u o0980958 ZATU410 | UNP<br>F2461  |  |      |      |       |       |       |

| PCSL   | FONT  | CDLI  | ATU3 | ATU5 | MSV01 | MSV04 | CUSAS   |
|--|---|---|------|------|-------|-------|---|
| NINDA <sub>2</sub> ×(UDU~a×TAR~b) <br>UNP<br>AKA:  NINDA <sub>2</sub> ×((UDU~a+TAR)~b) <br>1× III: 1u o0980959 ZATU410 |    |    |      |      |       |       |   |
| NUMUN <sub>2</sub><br>UNP<br>2× III: 2u o0980980 ZATU420   |    |    |      |      |       |       |   |
| NUNUZ~a1@t<br>UNP<br>CDLI:  NUNUZ~a1@t <br>2× III: 2u o0980994   |    |    |      |      |       |       |   |
| NUNUZ~b2<br>UNP<br>1× III: 1u o0980997 ZATU423   |    |    |      |      |       |       |   |
| PIRIG~b1×UR <sub>2</sub>  <br>UNP<br>2× III: 2u o0981012   |    |    |      |      |       |       |   |
| PIRIG~b1×1(N58@t) <br>ZERO<br>o0981013   |    |   |      |      |       |       |  |
| RAD~a@t<br>UNP<br>CDLI:  RAD~a@t <br>2× III: 2u o0981019   |    |    |      |      |       |       |   |
| RU@t<br>ZERO<br>CDLI:  RU@t <br>o0981025   |   |   |      |      |       |       |   |
| SAG×GEŠTU~c <br>UNP<br>1× III: 1u o0981032 ZATU438   |  |  |      |      |       |       |   |
| SAG×1(N14) <br>UNP<br>1× III: 1u o0981037 ZATU440  |  |  |      |      |       |       |   |
| SIG~b<br>UNP<br>2× o0981074 ZATU451  |  |  |      |      |       |       |   |
| SIG@g<br>UNP<br>1× III: 1u o0981075  |  |  |      |      |       |       |   |
| SIG <sub>2</sub> ~b×1(N14) <br>UNP<br>3× IV: 3u o0981081 ZATU453   |  |  |      |      |       |       |   |
| SILA <sub>3</sub> ~a×GEŠTU~c5 <br>UNP<br>1× III: 1u o0981102 ZATU462 ZATU469   |  |  |      |      |       |       |   |
| SILA <sub>3</sub> ~a×HI@g~a <br>UNP<br>2× IV: 2u o0981105 ZATU465  |  |  |      |      |       |       |   |
| SILA <sub>3</sub> ~a×1(N58) <br>UNP<br>1× IV: 1u o0981130 ZATU481  |  |  |      |      |       |       |   |
| SILA <sub>3</sub> ~c<br>UNP<br>1× III: 1u o0981137 ZATU456   |  |  |      |      |       |       |   |
| SILA <sub>3</sub> ~c×ŠU <br>UNP<br>1× IV: 1u o0981138 ZATU476  |  |  |      |      |       |       |   |
| SILA <sub>3</sub> ~d×NI~a <br>UNP<br>2× III: 2u o0981140 ZATU460   |  |  |      |      |       |       |   |
| (SUKUD+SUKUD)~d <br>UNP<br>3× III: 3u o0981165 ZATU494   |  |  |      |      |       |       |   |

| PCSL  | FONT                     | CDLI  | ATU3  | ATU5 | MSV01   | MSV04 | CUSAS |
|---|--------------------------|---|---|------|---|-------|-------|
| <b>SUKUD@h</b>  | UNP                      |    |    |      |   |       |       |
| 1× III: 1u  | <a href="#">o0981170</a> | F251C   |   |      |   |       |       |
| <b>SUM~a@t</b>  | UNP                      |    |    |      |   |       |       |
| CDLI:  SUM~a@t <br>1× III: 1u   | <a href="#">o0981172</a> | F2476   |   |      |   |       |       |
| <b>ŠIDIM@t</b>  | UNP                      |    |    |      |   |       |       |
| 1× IV: 1u   | <a href="#">o0981224</a> | F2477   |   |      |   |       |       |
| <b>ŠITA~a1×ŠU<sub>2</sub></b>   | UNP                      |    |    |      |   |       |       |
| 1× III: 1u  | <a href="#">o0981232</a> | F2478   |   |      |   |       |       |
| <b>ŠITA~a1×UDU~a</b>  | UNP                      |    |    |      |   |       |       |
| 5× III: 5u  | <a href="#">o0981233</a> | F2479   |   |      |   |       |       |
| <b>ŠITA~a1×1(N06)</b>   | UNP                      |    |    |      |   |       |       |
| 3× III: 3u  | <a href="#">o0981234</a> | F247A   |   |      |   |       |       |
| <b>ŠITA@g~a×1(N04)</b>  | UNP                      |    |    |      |   |       |       |
| 1× III: 1u  | <a href="#">o0981244</a> | ZATU531<br>F247B  |   |      |   |       |       |
| <b>ŠU<sub>2</sub>×3(N57)</b>  | UNP                      |    |    |      |   |       |       |
| AKA:  ŠU <sub>2</sub> ×3(N57) <br>1×  | <a href="#">o0981265</a> | F251D   |   |      |   |       |       |
| <b>ŠUR<sub>2</sub>~c</b>  | UNP                      |    |    |      |   |       |       |
| 2×  | <a href="#">o0981272</a> | ZATU543<br>F2534  |   |      |   |       |       |
| <b> TA~d×MAŠ </b>   | UNP                      |   |   |      |   |       |       |
| 1× III: 1u  | <a href="#">o0981280</a> | F247C   |   |      |   |       |       |
| <b>TUG<sub>2</sub>~d</b>  | UNP                      |  |  |      |   |       |       |
| 1× IV: 1u   | <a href="#">o0981311</a> | ZATU555<br>F247D  |   |      |   |       |       |
| <b>TUR<sub>3</sub>~a@n</b>  | UNP                      |  |  |      |   |       |       |
| CDLI:  TUR <sub>3</sub> ~a@n <br>1×   | <a href="#">o0981325</a> | F247E   |   |      |   |       |       |
| <b> U<sub>4</sub>×1(N14).3(N01) </b>  | UNP                      |  |   |      |   |       |       |
| 1× III: 1u  | <a href="#">o0981373</a> | F253D   |   |      |   |       |       |
| <b> U<sub>4</sub>×2(N14) </b>   | ZERO                     |  |  |      |  |       |       |
|   | <a href="#">o0981377</a> | F2485   |   |      | F2485   |       |       |
| <b>UDU~b</b>  | UNP                      |  |  |      |   |       |       |
| 1× IV: 1u   | <a href="#">o0981405</a> | ZATU575<br>F2486  |   |      |   |       |       |
| <b>UH</b>   | UNP                      |  |  |      |   |       |       |
| 1× III: 1u  | <a href="#">o0981410</a> | F2487   |   |      |   |       |       |
| <b>UKKIN~d</b>  | UNP                      |  |  |      |   |       |       |
| 1×  | <a href="#">o0981426</a> | ZATU580<br>F2535  |   |      |   |       |       |
| <b> UR~a×KAR<sub>2</sub>~b </b>   | UNP                      |  |  |      |   |       |       |
| AKA:  UR~a×KAR <sub>2</sub>  <br>CDLI:  UR~a×KAR <sub>2</sub>  <br>1× III: 1u | <a href="#">o0981438</a> | F2489   |   |      |   |       |       |
| <b> UR<sub>3</sub>~b1×MAŠ </b>  | UNP                      |  |  |      |   |       |       |
| 1× IV: 1u   | <a href="#">o0981449</a> | F248A   |   |      |   |       |       |
| <b>UR<sub>3</sub>~d2</b>  | UNP                      |  |  |      |   |       |       |
| 1×  | <a href="#">o0981451</a> | ZATU591<br>F2536  |   |      |   |       |       |











































| PCSL                       |          | FONT   | CDLI   | ATU3   | ATU5 | MSV01 | MSV04   | CUSAS |
|----------------------------|----------|--|--|--|------|-------|---|-------|
| URU~a1×GU <sub>4</sub>     | UNP      |           |           |  |      |       |   |       |
| 1× III: 1u                 | o0981466 |  |  |  |      |       |   |       |
| URU~a1@n                   | UNP      |           |           |  |      |       |   |       |
| CDLI:  URU~a1@n            |          |  |  |  |      |       |   |       |
| 1× III: 1u                 | o0981475 |  |  |  |      |       |   |       |
| URUDU@g~b                  | UNP      |           |           |  |      |       |   |       |
| 1× IV: 1u                  | o0981486 | ZATU603  |  |  |      |       |   |       |
| ZUBI~b                     | UNP      | <br>F221C |           | <br>F221D (a) |      |       |   |       |
| 1× III: 1u                 | o0981525 | ZATU619  | <br>F221D |  |      |       |   |       |
| ZATU624~c                  | UNP      |           |           |  |      |       |   |       |
| 1× III: 1u                 | o0981535 | ZATU624  |  |  |      |       |   |       |
| ZATU627                    | UNP      |           |           |  |      |       |   |       |
| 1× IV: 1u                  | o0981540 | ZATU627  |  |  |      |       |   |       |
| ZATU632~c                  | UNP      |           |           |  |      |       |   |       |
| 1× IV: 1u                  | o0981548 | ZATU632  |  |  |      |       |   |       |
| ZATU634                    | UNP      |           |           |  |      |       |   |       |
| 1× IV: 1u                  | o0981551 | ZATU634  |  |  |      |       |   |       |
| ZATU644~a×1(N14)           | UNP      |           |           |  |      |       |   |       |
| 1× IV: 1u                  | o0981561 | ZATU645  |  |  |      |       |   |       |
| ZATU651×ŠE~a               | UNP      |         |         |  |      |       |   |       |
| 1× III: 1u                 | o0981574 | ZATU657  |  |  |      |       |   |       |
| ZATU659@t                  | UNP      |         |  |  |      |       |   |       |
| 1×                         | o0981582 |  |  |  |      |       |   |       |
| ZATU683@t                  | UNP      |         |         |  |      |       |   |       |
| CDLI:  ZATU683@t           |          |  |  |  |      |       |   |       |
| 1× III: 1u                 | o0981613 |  |  |  |      |       |   |       |
| ZATU694~e                  | ZERO     |         |  |  |      |       |  | F252A |
| 1×                         | o0981633 | ZATU694  |  |  |      |       |   |       |
| ZATU697~c                  | UNP      |         |         |  |      |       |   |       |
| 2× III: 2u                 | o0981638 | ZATU697  |  |  |      |       |   |       |
| ZATU699~a                  | UNP      |         |         |  |      |       |   |       |
| 1× IV: 1u                  | o0981639 | ZATU699  |  |  |      |       |   |       |
| ZATU737×E~a                | UNP      |         |         |  |      |       |   |       |
| 1× III: 1u                 | o0981690 |  |  |  |      |       |   |       |
| ZATU737×I                  | UNP      |         |         |  |      |       |   |       |
| 1× III: 1u                 | o0981694 |  |  |  |      |       |   |       |
| ZATU737@t×PAP~a            | UNP      |         |         |  |      |       |   |       |
| 1×                         | o0981705 |  |  |  |      |       |   |       |
| ZATU759×KU <sub>6</sub> ~d | UNP      |         |         |  |      |       |   |       |
| 1× IV: 1u                  | o0981724 | ZATU760  |  |  |      |       |   |       |
| ZATU761                    | UNP      |         |         |  |      |       |   |       |
| 1× III: 1u                 | o0981727 | ZATU761  |  |  |      |       |   |       |










































| PCSL             |                  | FONT   | CDLI   | ATU3 | ATU5 | MSV01 | MSV04 | CUSAS |
|------------------|------------------|--|--|------|------|-------|-------|-------|
| ZATU779          | ZERO             |  F24AA  |   |      |      |       |       |       |
|                  | o0981747 ZATU779 |  |  |      |      |       |       |       |
| ZATU789          | ZERO             |  F24AC  |   |      |      |       |       |       |
|                  | o0981757 ZATU789 |  |  |      |      |       |       |       |
| ZATU805          | UNP              |  F24AD  |   |      |      |       |       |       |
| 2x III: 2u       | o0981770 ZATU805 |  |  |      |      |       |       |       |
| ZATU814          | UNP              |  F24AE  |   |      |      |       |       |       |
| 1x III: 1u       | o0981779 ZATU814 |  |  |      |      |       |       |       |
| ZATU815          | UNP              |  F24AF  |   |      |      |       |       |       |
| 1x III: 1u       | o0981780 ZATU815 |  |  |      |      |       |       |       |
| ZATU820          | UNP              |  F24B2  |   |      |      |       |       |       |
| 1x III: 1u       | o0981784 ZATU820 |  |  |      |      |       |       |       |
| ZATU821          | UNP              |  F24B3  |   |      |      |       |       |       |
| 7x III: 7u       | o0981785 ZATU821 |  |  |      |      |       |       |       |
| ZATU822          | UNP              |  F24B4  |   |      |      |       |       |       |
| 1x III: 1u       | o0981786 ZATU822 |  |  |      |      |       |       |       |
| ZATU823          | UNP              |  F24B5  |   |      |      |       |       |       |
| 3x III: 3u       | o0981787 ZATU823 |  |  |      |      |       |       |       |
| ZATU824          | UNP              |  F24B6   |    |      |      |       |       |       |
| 2x III: 2u       | o0981788 ZATU824 |  |  |      |      |       |       |       |
| ZATU825          | UNP              |  F24B7  |   |      |      |       |       |       |
| 2x III: 2u       | o0981789 ZATU825 |  |  |      |      |       |       |       |
| ZATU826          | UNP              |  F24B8  |   |      |      |       |       |       |
| 2x III: 2u       | o0981790 ZATU826 |  |  |      |      |       |       |       |
| ZATU829          | UNP              |  F24B9  |   |      |      |       |       |       |
| 1x III: 1u       | o0981791 ZATU829 |  |  |      |      |       |       |       |
| ZATU831          | UNP              |  F24BA  |   |      |      |       |       |       |
| 2x III: 2u       | o0981792 ZATU831 |  |  |      |      |       |       |       |
| ZATU831@g        | UNP              |  F24BB  |   |      |      |       |       |       |
| CDLI:  ZATU831@g |                  |  |  |      |      |       |       |       |
| 2x III: 2u       | o0981793         |  |  |      |      |       |       |       |
| ZATU837~a        | UNP              |  F24BC  |   |      |      |       |       |       |
| 3x III: 3u       | o0981799 ZATU837 |  |  |      |      |       |       |       |
| ZATU837~b        | UNP              |  F24BD  |   |      |      |       |       |       |
| 1x III: 1u       | o0981800 ZATU837 |  |  |      |      |       |       |       |
| ZATU838          | UNP              |  F24BE  |   |      |      |       |       |       |
| 3x III: 3u       | o0981801 ZATU838 |  |  |      |      |       |       |       |
| ZATU839          | UNP              |  F2218<br> F2219 |  F2218<br> F2219 |      |      |       |       |       |
| 6x III: 6u       | o0981802 ZATU839 |  |  |      |      |       |       |       |
| ZATU840          | UNP              |  F24BF  |   |      |      |       |       |       |
| 1x III: 1u       | o0981803 ZATU840 |  |  |      |      |       |       |       |










































| PCSL    |         |                          | FONT  | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---------|---------|--------------------------|---|---|------|------|-------|-------|-------|
| ZATU841 |         | UNP                      |    |    |      |      |       |       |       |
| 2x      | III: 2u | <a href="#">o0981804</a> | ZATU841   | F24C0   |      |      |       |       |       |
| ZATU842 |         | UNP                      |    |    |      |      |       |       |       |
| 1x      |         | <a href="#">o0981805</a> | ZATU842   | F24C1   |      |      |       |       |       |
| ZATU843 |         | UNP                      |    |    |      |      |       |       |       |
| 1x      | III: 1u | <a href="#">o0981806</a> | ZATU843   | F24C2   |      |      |       |       |       |
| ZATU844 |         | UNP                      |    |    |      |      |       |       |       |
| 1x      | IV: 1u  | <a href="#">o0981807</a> | ZATU844   | F24C3   |      |      |       |       |       |
| ZATU845 |         | UNP                      |    |    |      |      |       |       |       |
| 1x      | III: 1u | <a href="#">o0981808</a> | ZATU845   | F24C4   |      |      |       |       |       |
| ZATU846 |         | UNP                      |    |    |      |      |       |       |       |
| 1x      | III: 1u | <a href="#">o0981809</a> | ZATU846   | F24C5   |      |      |       |       |       |
| ZATU848 |         | UNP                      |    |    |      |      |       |       |       |
| 1x      | III: 1u | <a href="#">o0981811</a> | ZATU848   | F24C6   |      |      |       |       |       |
| ZATU849 |         | UNP                      |    |    |      |      |       |       |       |
| 2x      | III: 2u | <a href="#">o0981812</a> | ZATU849   | F24C7   |      |      |       |       |       |
| ZATU852 |         | UNP                      |    |    |      |      |       |       |       |
| 1x      | III: 1u | <a href="#">o0981815</a> | ZATU852   | F24C8   |      |      |       |       |       |
| ZATU853 |         | UNP                      |  |  |      |      |       |       |       |
| 3x      | III: 3u | <a href="#">o0981816</a> | ZATU853   | F24C9   |      |      |       |       |       |
| ZATU855 |         | UNP                      |  |  |      |      |       |       |       |
| 1x      | III: 1u | <a href="#">o0981818</a> | ZATU855   | F24CA   |      |      |       |       |       |
| ZATU856 |         | UNP                      |  |  |      |      |       |       |       |
| 1x      | III: 1u | <a href="#">o0981819</a> | ZATU856   | F2522   |      |      |       |       |       |
| ZATU857 |         | UNP                      |  |  |      |      |       |       |       |
| 1x      | III: 1u | <a href="#">o0981820</a> | ZATU857   | F2524   |      |      |       |       |       |





| PCSL                    |          | FONT  | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|-------------------------|----------|---|---|------|------|-------|-------|-------|
| GAN~d                   | EDI      |    |    |      |      |       |       |       |
|                         | o0980450 |   |   |      |      |       |       |       |
| GAN~d×HI                | EDI      |    |    |      |      |       |       |       |
|                         | o0980452 |   |   |      |      |       |       |       |
| GEŠTIN~c                | EDI      |    |    |      |      |       |       |       |
|                         | o0980463 |   |   |      |      |       |       |       |
| GEŠTIN~c×X              | EDI      |    |    |      |      |       |       |       |
|                         | o0980464 |   |   |      |      |       |       |       |
| GIG                     | EDI      |    |    |      |      |       |       |       |
|                         | o0980498 |   |   |      |      |       |       |       |
| GIL                     | EDI      |    |    |      |      |       |       |       |
|                         | o0980499 |   |   |      |      |       |       |       |
| GIR <sub>4</sub>        | EDI      |    |    |      |      |       |       |       |
|                         | o0980517 |   |   |      |      |       |       |       |
| GIŠ~v                   | EDI      |    |    |      |      |       |       |       |
| CDLI: GIŠ~x             | o0980527 |   |   |      |      |       |       |       |
| GIŠ@t.E <sub>2</sub> ~a | EDI      |    |    |      |      |       |       |       |
|                         | o0980529 |   |   |      |      |       |       |       |
| HI×ŠE <sub>3</sub> @t   | EDI      |    |    |      |      |       |       |       |
|                         | o0980582 |   |   |      |      |       |       |       |
| HI×1(N01@f)             | EDI      |  |  |      |      |       |       |       |
| CDLI:  HI×1(N01)F       | o0980584 |   |   |      |      |       |       |       |
| HUB <sub>2</sub>        | EDI      |  |  |      |      |       |       |       |
|                         | o0980593 |   |   |      |      |       |       |       |
| IGI                     | EDI      |  |  |      |      |       |       |       |
|                         | o0980602 |   |   |      |      |       |       |       |
| IM~a@g                  | EDI      |  |  |      |      |       |       |       |
|                         | o0980607 |   |   |      |      |       |       |       |
| KA <sub>2</sub> ~d      | EDI      |  |  |      |      |       |       |       |
|                         | o0980627 |   |   |      |      |       |       |       |
| KEŠ <sub>2</sub>        | EDI      |  |  |      |      |       |       |       |
|                         | o0980661 |   |   |      |      |       |       |       |
| KU~a@t                  | EDI      |  |  |      |      |       |       |       |
|                         | o0980694 |   |   |      |      |       |       |       |
| KUN                     | EDI      |  |  |      |      |       |       |       |
|                         | o0980706 |   |   |      |      |       |       |       |
| LA~e                    | EDI      |  |  |      |      |       |       |       |
|                         | o0980725 |   |   |      |      |       |       |       |
| LAGAB~b×SI              | EDI      |  |  |      |      |       |       |       |
|                         | o0980761 |   |   |      |      |       |       |       |
| LAGAB~b×ŠITA~c          | EDI      |  |  |      |      |       |       |       |
|                         | o0980763 |   |   |      |      |       |       |       |

| PCSL                            |          | FONT  | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---------------------------------|----------|---|---|------|------|-------|-------|-------|
| LAGAB~b×X                       | EDI      |    |    |      |      |       |       |       |
| 1×                              | o0980765 | F2502   |   |      |      |       |       |       |
| LAGAB~b×1(N01)                  | EDI      |    |    |      |      |       |       |       |
|                                 | o0980766 | F24FF   |   |      |      |       |       |       |
| LAK025                          | EDI      |    |    |      |      |       |       |       |
|                                 | o0980774 | F24DF   |   |      |      |       |       |       |
| LAK050                          | EDI      |    |    |      |      |       |       |       |
|                                 | o0980775 | F24E0   |   |      |      |       |       |       |
| LAK172                          | EDI      |    |    |      |      |       |       |       |
|                                 | o0980776 | F24E1   |   |      |      |       |       |       |
| LAK251                          | EDI      |    |    |      |      |       |       |       |
|                                 | o0980777 | F24E2   |   |      |      |       |       |       |
| LAK350                          | EDI      |    |    |      |      |       |       |       |
|                                 | o0980778 | F24E3   |   |      |      |       |       |       |
| LAK777                          | EDI      |    |    |      |      |       |       |       |
|                                 | o0980779 | F24E4   |   |      |      |       |       |       |
| LAL <sub>3</sub> -c             | EDI      |    |    |      |      |       |       |       |
|                                 | o0980787 | F24E5   |   |      |      |       |       |       |
| LAM-c                           | EDI      |   |   |      |      |       |       |       |
|                                 | o0980793 | F24E6   |   |      |      |       |       |       |
| LU <sub>2</sub> @t              | EDI      |  |  |      |      |       |       |       |
|                                 | o0980798 | F24E7   |   |      |      |       |       |       |
| MA×X                            | EDI      |  |  |      |      |       |       |       |
|                                 | o0980804 | F2504   |   |      |      |       |       |       |
| MA×2(N57)                       | EDI      |  |  |      |      |       |       |       |
|                                 | o0980805 | F2503   |   |      |      |       |       |       |
| MUD <sub>3</sub> -a@g×GU        | EDI      |  |  |      |      |       |       |       |
|                                 | o0980853 | F2505   |   |      |      |       |       |       |
| NINDA <sub>2</sub> ×(GIŠ.DAR~a) | EDI      |  |  |      |      |       |       |       |
|                                 | o0980944 | F2508   |   |      |      |       |       |       |
| NINDA <sub>2</sub> ×NE~a        | EDI      |  |  |      |      |       |       |       |
|                                 | o0980953 | F2509   |   |      |      |       |       |       |
| NINDA <sub>2</sub> ×ŠIM~a       | EDI      |  |  |      |      |       |       |       |
|                                 | o0980955 | F250A   |   |      |      |       |       |       |
| NINDA <sub>2</sub> ×(X.MAŠ)     | EDI      |  |  |      |      |       |       |       |
|                                 | o0980961 | F250B   |   |      |      |       |       |       |
| NINDA <sub>2</sub> ×1(N06)      | EDI      |  |  |      |      |       |       |       |
|                                 | o0980966 | F2507   |   |      |      |       |       |       |
| PA <sub>3</sub>                 | EDI      |  |  |      |      |       |       |       |
|                                 | o0981001 | F24E8   |   |      |      |       |       |       |
| RI                              | EDI      |  |  |      |      |       |       |       |
|                                 | o0981021 | F24E9   |   |      |      |       |       |       |
































| PCSL                                    |          | FONT  | CDLI  | ATU3  | ATU5 | MSVO1 | MSVO4 | CUSAS |
|---|----------|---|---|---|------|-------|-------|-------|
| SAG×LAM~c                               | EDI      |    |    |   |      |       |       |       |
|   | o0981033 |   |   |   |      |       |       |       |
| SAG×SAR~a                               | EDI      |    |    |   |      |       |       |       |
|   | o0981036 |   |   |   |      |       |       |       |
| SAL.SI                                  | EDI      |    |    |   |      |       |       |       |
| CDLI: SIKIL                             | o0981092 |   |   |   |      |       |       |       |
| SILA <sub>3</sub> ~a×DUG~b              | EDI      |    |    |   |      |       |       |       |
|   | o0981097 |   |   |   |      |       |       |       |
| SILA <sub>3</sub> ~b×DUG~a              | EDI      |    |    |   |      |       |       |       |
|   | o0981132 |   |   |   |      |       |       |       |
| SU~a.KUR~a.RU                           | EDI      |    |    |   |      |       |       |       |
| CDLI: ŠURUPPAK~c                        | o0981275 |   |   |   |      |       |       |       |
| (SUKUD+SUKUD)~c                         | EDI      |    |    |  |      |       |       |       |
|   | o0981164 |   |   |   |      |       |       |       |
| ŠITA~c                                  | EDI      |    |    |   |      |       |       |       |
|   | o0981242 |   |   |   |      |       |       |       |
| ŠU@s                                    | EDI      |    |    |   |      |       |       |       |
|   | o0981251 |   |   |   |      |       |       |       |
| ŠU <sub>2</sub> .2(N57)                 | EDI      |   |   |   |      |       |       |       |
|   | o0981264 |   |   |   |      |       |       |       |
| TA~f                                    | EDI      |  |  |   |      |       |       |       |
|   | o0981282 |   |   |   |      |       |       |       |
| TAR~d                                   | EDI      |  |  |   |      |       |       |       |
|   | o0981295 |   |   |   |      |       |       |       |
| TUR×X                                   | EDI      |  |  |   |      |       |       |       |
|   | o0981321 |   |   |   |      |       |       |       |
| TUR <sub>3</sub> ~b×TAK <sub>4</sub> ~a | EDI      |  |  |   |      |       |       |       |
|   | o0981327 |   |   |   |      |       |       |       |
| U <sub>4</sub> ×1(N01@f)                | EDI      |  |  |   |      |       |       |       |
| CDLI:  U <sub>4</sub> ×1(N01)F          | o0981369 |   |   |   |      |       |       |       |
| UKKIN~b×DUG~a                           | EDI      |  |  |   |      |       |       |       |
|   | o0981418 |   |   |   |      |       |       |       |
| URI <sub>3</sub> ~a.IB~a                | EDI      |  |  |   |      |       |       |       |
| CDLI:  URI <sub>3</sub> ~a+IB~a         | o0981460 |   |   |   |      |       |       |       |
| URI <sub>3</sub> ~a.UNUG~a              | EDI      |  |  |   |      |       |       |       |
| CDLI: URI <sub>2</sub>                  | o0981458 |   |   |   |      |       |       |       |
| URU~a1×A                                | EDI      |  |  |   |      |       |       |       |
|   | o0981464 |   |   |   |      |       |       |       |
| UŠ~b×TAR~d                              | EDI      |  |  |   |      |       |       |       |
|   | o0981493 |   |   |   |      |       |       |       |





















































































## I PC25 Not Encoded: Number (non-ACN)

This table gives numbers which are neither in Archaic Cuneiform Numbers or in PC25. Some of these may be candidates for future encoding. The abbreviation ‘OOR’ indicates numbers which are Out Of Range with regard to their respective system. ‘OOR5’ indicates an Out Of Range number occurring in Uruk V texts. The tag ‘Pelm’ indicates numbers which are likely to be encoded as Proto-Elamite.




















































| PCSL            |                          | FONT   | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|-----------------|--------------------------|--|---|------|------|-------|-------|-------|
| 5(LAGAB~a)      | NUM                      | <br>F2544   |   |      |      |       |       |       |
|                 | <a href="#">o0981826</a> |  |   |      |      |       |       |       |
| 10(N01)         | PC25                     | <br>F00DA   |    |      |      |       |       |       |
| 2× III: 2p      | <a href="#">o0981837</a> |  |   |      |      |       |       |       |
| 1(N08~b)        | NUM                      | <br>F00F5   |    |      |      |       |       |       |
| 1× III: 1u      | <a href="#">o0981901</a> |  |   |      |      |       |       |       |
| 2(N08~b)        | PC25                     | <br>F00F6   |    |      |      |       |       |       |
| 4× III: 1p/3u   | <a href="#">o0981902</a> |  |   |      |      |       |       |       |
| 3(N08~b)        | NUM                      | <br>F00F7   |    |      |      |       |       |       |
| 1× III: 1u      | <a href="#">o0981903</a> |  |   |      |      |       |       |       |
| 4(N08~b)        | NUM                      | <br>F00F8   |    |      |      |       |       |       |
| 1× III: 1u      | <a href="#">o0981904</a> |  |   |      |      |       |       |       |
| 4(N08~c)        | NUM                      | <br>F00F9   |    |      |      |       |       |       |
| 1× III: 1u      | <a href="#">o0981905</a> |  |   |      |      |       |       |       |
| 1(N08~v)        | NUM                      | <br>F00FA |   |      |      |       |       |       |
| 1× III: 1u      | <a href="#">o0982197</a> |  |   |      |      |       |       |       |
| 1(N08@f)×1(N57) | NUM                      | <br>F012C |  |      |      |       |       |       |
|                 | <a href="#">o0981908</a> |  |   |      |      |       |       |       |
| 10(N14)         | PC25                     | <br>F00DB |  |      |      |       |       |       |
| 2×              | <a href="#">o0981921</a> |  |   |      |      |       |       |       |
| 11(N14)         | PC25                     | <br>F00DC |   |      |      |       |       |       |
| 1×              | <a href="#">o0981922</a> |  |   |      |      |       |       |       |
| 12(N14)         | OOR5                     | <br>F00DD |  |      |      |       |       |       |
| 1×              | <a href="#">o0981923</a> |  |   |      |      |       |       |       |
| 22(N14)         | PC25                     | <br>F00DE |   |      |      |       |       |       |
| 1×              | <a href="#">o0981924</a> |  |   |      |      |       |       |       |
| 10(N14@f)       | OOR                      | <br>F00DF |  |      |      |       |       |       |
|                 | <a href="#">o0981934</a> |  |   |      |      |       |       |       |
| 6(N21)          | PC25                     | <br>F00E0 |  |      |      |       |       |       |
| 1× IV: 1p       | <a href="#">o0981983</a> |  |   |      |      |       |       |       |
| 1(N22~v)        | PC25                     | <br>F00FD |   |      |      |       |       |       |
| 1× III: 1p      | <a href="#">o0981986</a> |  |   |      |      |       |       |       |
| 1(N23)          | Pelm                     | <br>F00FE |  |      |      |       |       |       |
| 2× III: 1p/1u   | <a href="#">o0981989</a> |  |   |      |      |       |       |       |
| 2(N23)          | Pelm                     | <br>F00FF |  |      |      |       |       |       |
| 1× III: 1p      | <a href="#">o0981990</a> |  |   |      |      |       |       |       |
































| PCSL                                   |                          | FONT  | CDLI  | ATU3 | ATU5 | MSVO1 | MSVO4 | CUSAS |
|--|--------------------------|---|---|------|------|-------|-------|-------|
| 3(N23)                                 | Pelm                     |    |    |      |      |       |       |       |
| 1× III: 1p                             | <a href="#">o0981991</a> | F0100   |   |      |      |       |       |       |
| 5(N23)                                 | Pelm                     |    |    |      |      |       |       |       |
| 1×                                     | <a href="#">o0981992</a> | F0101   |   |      |      |       |       |       |
| 7(N23)                                 | Pelm                     |    |    |      |      |       |       |       |
| 1× III: 1p                             | <a href="#">o0981993</a> | F0102   |   |      |      |       |       |       |
| 2(N24)                                 | NUM                      |    |    |      |      |       |       |       |
|  | <a href="#">o0981995</a> | F0103   |   |      |      |       |       |       |
| 4(N24)                                 | NUM                      |    |    |      |      |       |       |       |
|  | <a href="#">o0981996</a> | F0104   |   |      |      |       |       |       |
| 6(N24)                                 | NUM                      |    |    |      |      |       |       |       |
| 1× IV: 1u                              | <a href="#">o0981997</a> | F0105   |   |      |      |       |       |       |
| 1(N24@f)                               | PC25                     |    |    |      |      |       |       |       |
| 2× III: 2p                             | <a href="#">o0981998</a> | F0106   |   |      |      |       |       |       |
| 2(N29A)                                | PC25                     |    |    |      |      |       |       |       |
| AKA: 2(N29~a)<br>4× III: 4p            | <a href="#">o0982009</a> | F0107   |   |      |      |       |       |       |
| 2(N29AB)                               | PC25                     |    |    |      |      |       |       |       |
| AKA: 2(N29A~b)<br>2× III: 2p           | <a href="#">o0982011</a> | F010A   |   |      |      |       |       |       |
| 1(N30B)                                | PC25                     |   |   |      |      |       |       |       |
| AKA: 1(N30~b)<br>2× III: 2p            | <a href="#">o0982016</a> | F010B   |   |      |      |       |       |       |
| 1(N30CA)                               | PC25                     |  |  |      |      |       |       |       |
| AKA: 1(N30C~a) 1(N30C~a)<br>1× III: 1p | <a href="#">o0982018</a> | F2538   |   |      |      |       |       |       |
| 1(N30CB)                               | NUM                      |  |  |      |      |       |       |       |
|  | <a href="#">o0982019</a> | F010C   |   |      |      |       |       |       |
| 1(N34)×1(N58)                          | PC25                     |  |  |      |      |       |       |       |
| 1× III: 1p                             | <a href="#">o0982027</a> | F012D   |   |      |      |       |       |       |
| 1(N43)                                 | PC25                     |  |  |      |      |       |       |       |
| 3× III: 2p/1u                          | <a href="#">o0982088</a> | F010D   |   |      |      |       |       |       |
| 4(N43)                                 | PC25                     |  |  |      |      |       |       |       |
| 1× III: 1p                             | <a href="#">o0982089</a> | F010E   |   |      |      |       |       |       |
| 1(N44)                                 | PC25                     |  |  |      |      |       |       |       |
| 1× IV: 1p                              | <a href="#">o0982090</a> | F00E1   |   |      |      |       |       |       |
| 3(N45@f)                               | ORR                      |  |  |      |      |       |       |       |
|  | <a href="#">o0982102</a> | F00E2   |   |      |      |       |       |       |
| 4(N45@f)                               | ORR                      |  |  |      |      |       |       |       |
|  | <a href="#">o0982103</a> | F00E3   |   |      |      |       |       |       |
| 5(N45@f)                               | ORR                      |  |  |      |      |       |       |       |
|  | <a href="#">o0982104</a> | F00E4   |   |      |      |       |       |       |
| 6(N45@f)                               | ORR                      |  |  |      |      |       |       |       |
|  | <a href="#">o0982105</a> | F00E5   |   |      |      |       |       |       |



| PCSL            |          | FONT | CDLI  | ATU3  | ATU5 | MSVO1 | MSVO4 | CUSAS |
|-----------------|----------|------|---|---|------|-------|-------|-------|
| 7(N45@f)        |          | ORR  |    |    |      |       |       |       |
|                 | o0982106 |      | F00E6   |   |      |       |       |       |
| 8(N45@f)        |          | ORR  |    |    |      |       |       |       |
|                 | o0982107 |      | F00E7   |   |      |       |       |       |
| 9(N45@f)        |          | ORR  |    |    |      |       |       |       |
|                 | o0982108 |      | F00E8   |   |      |       |       |       |
| 3(N46)          |          | PC25 |    |    |      |       |       |       |
| 1x              | o0982112 |      | F00E9   |   |      |       |       |       |
| 3(N47)          |          | ORR  |    |    |      |       |       |       |
| 1x IV: 1u       | o0982117 |      | F00EA   |   |      |       |       |       |
| 6(N48)          |          | ORR  |    |    |      |       |       |       |
| 2x IV: 2u       | o0982123 |      | F00EB   |   |      |       |       |       |
| 7(N48)          |          | ORR  |    |    |      |       |       |       |
| 1x IV: 1u       | o0982124 |      | F00EC   |   |      |       |       |       |
| 1(N48@f)        |          | NUM  |    |    |      |       |       |       |
|                 | o0982125 |      | F010F   |   |      |       |       |       |
| 5(N49)          |          | ORR  |   |   |      |       |       |       |
|                 | o0982130 |      | F00ED   |   |      |       |       |       |
| 3(N53)          |          | PC25 |  |  |      |       |       |       |
| 1x IV: 1p       | o0982163 |      | F00EE   |   |      |       |       |       |
| 1(N55)          |          | PC25 |  |  |      |       |       |       |
| 1x IV: 1p       | o0982169 |      | F00EF   |   |      |       |       |       |
| 1(N59)          |          | PC25 |  |  |      |       |       |       |
| 1x III: 1p      | o0982192 |      | F0124   |   |      |       |       |       |
| 2(N59)          |          | PC25 |  |  |      |       |       |       |
| 1x III: 1p      | o0982193 |      | F0125   |   |      |       |       |       |
| 3(N59)          |          | PC25 |  |  |      |       |       |       |
| 18x III: 11p/7u | o0982194 |      | F0126   |   |      |       |       |       |
| 4(N59)          |          | PC25 |  |  |      |       |       |       |
| 3x III: 2p/1u   | o0982195 |      | F0127   |   |      |       |       |       |
| 6(N59)          |          | PC25 |  |  |      |       |       |       |
| 3x III: 3p      | o0982196 |      | F0128   |   |      |       |       |       |
| 7(N59)          |          | PC25 |  |  |      |       |       |       |
| 1x III: 1p      | o0981906 |      | F2537   |   |      |       |       |       |
| 3(N61)          |          | PC25 |  |  |      |       |       |       |
| 1x              | o0982199 |      | F0129   |   |      |       |       |       |
| 4(N62)          |          | PC25 |  |  |      |       |       |       |
| 1x III: 1p      | o0982200 |      | F012A   |   |      |       |       |       |
| 1(N63)          |          | NUM  |  |  |      |       |       |       |
| 2x III: 2u      | o0982201 |      | F012B   |   |      |       |       |       |






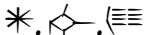























| PCSL                                  |   | FONT   | CDLI | ATU3   | ATU5   | MSVO1  | MSVO4  | CUSAS |
|---------------------------------------|---|--|------|--|--|--|--|-------|
| AZ<br>126C2                           | <br>o0980075   | PC25<br><br>126C2   |      |  |  |  |  |       |
| BAPPIR~a<br>126D7                     | <br>o0980096   | PC25<br><br>126D7   |      |  |  |  |  |       |
| BAPPIR~b<br>126D8                     | <br>o0980097   | PC25<br><br>126D8   |      | <br>126D8       |  |  |  |       |
| BAPPIR~c<br>126D9                     | <br>o0980098   | PC25<br><br>126D9   |      |  |  |  |  |       |
| BAPPIR~d<br>126DA                     | <br>o0980099   | PC25<br><br>126DA   |      | <br>126DA       |  |  | <br>126DA       |       |
| BAPPIR~e<br>126DB                     | <br>o0980100   | PC25<br><br>126DB   |      |  |  |  |  |       |
| BAPPIR~f<br>126DC                     | <br>o0980101   | PC25<br><br>126DC   |      |  |  |  |  |       |
| ME <sub>3</sub><br>1290A              | <br>o0980843   | PC25<br><br>1290A   |      |  |  |  |  |       |
| [1(N58).BAD]<br>12925                 | <br>o0980877 | PC25<br><br>12925   |      | <br>12925 (a) | <br>12925 (a)  | <br>12925 (a) | <br>12925 (a) |       |
| [(1(N58).BAD)~b]<br>12926             | <br>o0980878 | PC25<br><br>12926<br><br>F2222 |      | <br>F2222     | <br>12926<br><br>F2222 |  |  |       |
| [3(N58).UR <sub>3</sub> ~b1]<br>12927 | <br>o0980879 | PC25<br><br>12927   |      | <br>12927     |  |  |  |       |
| SILANITA<br>129F5                     | <br>o0981145 | PC25<br><br>129F5   |      |  |  |  |  |       |
| ŠAGINA<br>12A1A                       | <br>o0981190 | PC25<br><br>12A1A   |      | <br>12A1A     |  |  |  |       |
| UDUNITA~a<br>12AA8                    | <br>o0981407 | PC25<br><br>12AA8   |      | <br>12AA8     | <br>12AA8  | <br>12AA8     | <br>12AA8     |       |
| UDUNITA~b<br>12AA9                    | <br>o0981408 | PC25<br><br>12AA9   |      |  | <br>12AA9  |  |  |       |
| UDUNITA~c<br>12AAA                    | <br>o0981409 | PC25<br><br>12AAA   |      |  | <br>12AAA  |  |  |       |

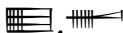
| PCSL              |   | FONT   | CDLI | ATU3   | ATU5   | MSVO1  | MSVO4  | CUSAS |
|-------------------|---|--|------|--|--|--|--|-------|
| UTUA~a<br>12AF0   | <br>o0981499   | PC25<br><br>12AF0   |      |  | <br>12AF0  | <br>12AF0 | <br>12AF0 |       |
| UTUA~a@t<br>12AF1 | <br>o0981500   | PC25<br><br>12AF1   |      |  | <br>12AF1  |  |  |       |
| UTUA~b<br>12AF2   | <br>o0981501   | PC25<br><br>F21D4<br><br>12AF2 |      | <br>F21D4 | <br>F21D4<br><br>12AF2 |  |  |       |
| UTUL~a<br>12AF3   | <br>o0981502   | PC25<br><br>12AF3   |      | <br>12AF3 | <br>12AF3  | <br>12AF3 | <br>12AF3 |       |
| UTUL~b<br>12AF4   | <br>o0981503   | PC25<br><br>12AF4   |      | <br>12AF4 |  |  |  |       |
| UTUL~c<br>12AF5   | <br>o0981504   | PC25<br><br>12AF5   |      |  | <br>12AF5  |  |  |       |
| UTUL~d<br>12AF6   | <br>o0981505   | PC25<br><br>12AF6   |      |  | <br>12AF6  |  |  |       |
| ZUBI~a<br>12B03   | <br>o0981524 | PC25<br><br>12B03   |      |  |  |  |  |       |


## K Sequences Data



















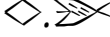














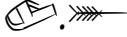








This table summarizes the naming, composition, and ligaturing of sequences:

- In column one the character name (CHARNAME) and glyph names (GLYFNAME) are given along with the decomposition of the ligature into the base characters; in this decomposition the different joiners are used rather than mapping them all to ‘.’.
- In column two the precomposed single ligature character in the PUA is shown with its hex code; some ligatures do not have a precomposed version, in which case a ‘0’ appears in this column.
- In column three the input on the upper row is the Unicode character sequence corresponding to the ligature sequence in the lower row: if the ligature is working correctly the appearance of the upper row should match the character in column two. Font switching is used to access glyph variants.

| CHARNAME/GLYFNAME/DECOMP  | PUA  | LIG/.liga  |
|---|--|--|
| AMAR.1(N02)  (o0980054)<br> AMAR.1(N02) <br>   | <br>F222A   | <br>u126B4_u125BE.liga        |
| ANZU <sub>2</sub> (o0980064)<br> AN.IM~a.GI <sub>6</sub>  <br>                                       | <br>F222B   | <br>u126B7_u12861_u1288E.liga |
| APIN~a.APIN~a  (o0980066)<br> APIN~a.APIN~a <br>   | <br>F222C  | <br>u126BD_u126D2.liga       |
| BU~b.KALAM~a  (o0980692)<br> BU~b.KALAM~a <br>   | <br>F2116 | <br>u126ED_u12929.liga      |
| BU~b.KALAM~b <br> BU~b.KALAM~b <br>  | <br>F2117 | <br>u126ED_u1292A.liga      |
| BU~b.NA <sub>2</sub> ~a  (o0980127)<br> BU~b.NA <sub>2</sub> ~a <br>                               | <br>F222D | <br>u126ED_u12A10.liga      |
| BULUG <sub>3</sub> .DU <sub>6</sub> ~a  (o0980131)<br> BULUG <sub>3</sub> .DU <sub>6</sub> ~a <br> | <br>F222E | <br>u126F0_u12750.liga      |
| DA~a.LIŠ  (o0980138)<br> DA~a.LIŠ <br>   | <br>F222F | <br>u126F6_u129B5.liga      |
| DU.U <sub>4</sub> .1(N14).1(N08)  (o0980306)<br> DU.U <sub>4</sub>  <br>                           | <br>F2230 | <br>u1271E_u12BE1.liga      |

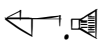





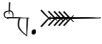













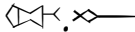


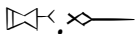





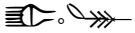


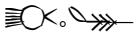



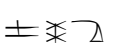




| CHARNAME/GLYFNAME/DECOMP   | PUA  | LIG/.liga  |
|--|--|--|
| [E <sub>2</sub> ~a.LIŠ] (o0980298)<br> E <sub>2</sub> ~a.LIŠ <br>   | <br>F2231   | <br>u1277F_u129B5.liga                      |
| [E <sub>2</sub> ~a.NUN~a] (o0980970)<br> E <sub>2</sub> ~a.NUN~a <br>                                       | <br>F2232   | <br>u1277F_u12A74.liga                      |
| [E <sub>2</sub> ~b.LIŠ] (o0980302)<br> E <sub>2</sub> ~b.LIŠ <br>   | <br>F2233   | <br>u12781_u129B5.liga                      |
| [EN~a.EZEN~b×ŠE~a@t.NUN~a.SIG <sub>7</sub> ] (o0980322)<br> EN~a.EZEN~b×ŠE~a@t°NUN~a.SIG <sub>7</sub>  <br> | <br>F20CB   | <br>u12787_u127A2_u12972_u12AE3.liga        |
| [EN~a.BAHAR <sub>2</sub> ~b°SIG <sub>7</sub> .ME~a.NUN~a]<br>   | <br>F20CC   | <br>u12787_u126CB_u129C9_u12908_u12A74.liga |
| [EN~a.KID~a] (o0980323)<br> EN~a.KID~a <br>   | <br>F2234   | <br>u12787_u12941.liga                      |
| [EN~a.ME~a.GI] (o0980321)<br> EN~a.ME~a°GI <br>  | <br>F20C8   | <br>u12787_u12908_u12878.liga               |
| [EN~a.ME~a°GI]~1<br>  | <br>F20C9 | <br>u12787_u12908_u12878.liga.cv01        |
| [EN~a°ME~a.GI]<br>  | <br>F20CA | <br>u12787_u12908_u12878.liga.cv02        |
| [EN~a.ME~a.MU] (o0980320)<br> EN~a.ME~a.MU <br>   | <br>F2235 | <br>u12787_u12908_u129EC.liga             |
| [EN <sub>2</sub> .E <sub>2</sub> ~a] (o0980318)<br> EN <sub>2</sub> .E <sub>2</sub> ~a <br>               | <br>F2236 | <br>u1278D_u127CA.liga                    |
| [EN <sub>2</sub> .E <sub>2</sub> ~b] (o0980319)<br> EN <sub>2</sub> .E <sub>2</sub> ~b <br>               | <br>F2237 | <br>u1278D_u127CE.liga                    |
| ENSI (o0980324)<br> ME~a.EN~a°ŠE~a°ŠA <br>  | <br>F2238 | <br>u12908_u12787_u12A22_u12B37.liga      |
| ENSI <sub>2</sub> (o0980325)<br> PA~a.TE.SI <br>  | <br>F2239 | <br>u12981_u12A62_u12AC7.liga             |

| CHARNAME/GLYFNAME/DECOMP  | PUA  | LIG/.liga  |
|---|--|--|
| EŠDA.NAM <sub>2</sub>   (o0980902)<br> EŠDA.NAM <sub>2</sub>  <br>               | <br>F2143   | <br>u12792_u12A23.liga      |
| EŠDA+NAM <sub>2</sub>  <br>  | <br>F2144   | <br>u12792_u12A23.liga.cv01 |
| GA~a.ZATU753  (o0980359)<br> GA~a.ZATU753 <br>                                   | <br>F20D2   | <br>u127A9_u12D79.liga      |
| ZATU753.GA~a <br>  | <br>F20D1   | <br>u12BA6_u1280E.liga      |
| GAL~a.BUR <sub>2</sub>   (o0981495)<br> GAL~a.BUR <sub>2</sub>  <br>             | <br>F223A   | <br>u127DE_u1271F.liga      |
| GAL~a.NI~a  (o0981199)<br> GAL~a.NI~a <br>                                       | <br>F223B   | <br>u127DE_u12A3A.liga      |
| GAL~a.NIM~a  (o0981198)<br> GAL~a.NIM~a <br>                                   | <br>F223C  | <br>u127DE_u12A43.liga     |
| GEŠTU~a.NAGA~a  (o0980540)<br> GEŠTU~a.NAGA~a <br>                             | <br>F223D | <br>u127F9_u12A16.liga    |
| GIG (o0980498)<br> GIG.NUNUZ~c <br>  | <br>F223E | <br>u12810_u12A87.liga    |
| GIR~a.KU <sub>6</sub> ~a  (o0980501)<br> GIR~a.KU <sub>6</sub> ~a <br>         | <br>F223F | <br>u12812_u12965.liga    |
| GIR~b.GIR~b  (o0980503)<br> GIR~b.GIR~b <br>                                   | <br>F2240 | <br>u12813_u12896.liga    |
| GIR <sub>3</sub> ~c.AB~a  (o0980912)<br> GIR <sub>3</sub> ~c.AB~a <br>         | <br>F2241 | <br>u12819_u12698.liga    |
| GIR <sub>3</sub> ~c.PIRIG~b1  (o0981301)<br> GIR <sub>3</sub> ~c.PIRIG~b1 <br> | <br>F2242 | <br>u12819_u12A98.liga    |






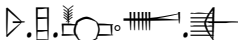





























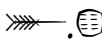

| CHARNAME/GLYFNAME/DECOMP  | PUA  | LIG/.liga  |
|---|--|--|
| GiŠ.TE  (o0980521)<br> GiŠ.TE <br>                               | <br>F2243   | <br>u12820_u12BB9.liga        |
| GiŠ@t.E₂~a  (o0980529)<br> GiŠ@t.E₂~a <br>                       | <br>F2244   | <br>u12826_u127CA.liga        |
| GU₄.ZATU755~b  (o0980544)<br> GU₄.ZATU755~b <br>                 | <br>F2245   | <br>u12833_u12D7C.liga        |
| GUKKAL~a.HI@g~a  (o0980558)<br> GUKKAL~a.HI@g~a <br>             | <br>F2246   | <br>u1283D_u128F0.liga        |
| HI.LAGAB~a  (o0980581)<br> HI.LAGAB~a <br>                       | <br>F2247   | <br>u12852_u12980.liga        |
| HI.SUHUR  (o0980580)<br> HI.SUHUR <br>                           | <br>F20F3   | <br>u12852_u12B23.liga        |
| HI.SUHUR ~1<br>   | <br>F20F4   | <br>u12852_u12B23.liga.cv01   |
| HI.SUHUR ~2<br>  | <br>F20F5 | <br>u12852_u12B23.liga.cv02 |
| HI×1(N57).(HI×1(N57))  (o0900969)<br> HI×1(N57)°HI×1(N57) <br> | <br>F20F7 | <br>u12853_u128EC.liga      |
| HI×1(N57).HI×1(N57) <br>                                       | <br>F20F6 | <br>u12853_u128EC.liga.cv01 |
| IR~a.GA₂~a1  (o0980612)<br> IR~a.GA₂~a1 <br>                   | <br>F2248 | <br>u12865_u12815.liga      |
| KA~a.ŠE~a  (o0980622)<br> KA~a.ŠE~a <br>                       | <br>F2107 | <br>u1286C_u12B52.liga      |
| KA~a.ŠE~a@t <br>   | <br>F2106 | <br>u1286C_u12B57.liga      |
| KAK~a.GA₂~a1  (o0980636)<br> KAK~a.GA₂~a1 <br>                 | <br>F2249 | <br>u12874_u12815.liga      |



























| CHARNAME/GLYFNAME/DECOMP   | PUA       | LIG/.liga                   |
|--|-----------|-----------------------------|
| KU <sub>6</sub> ~a.1(N02)  (o0980700)<br> KU <sub>6</sub> ~a.1(N02) <br> | <br>F224A | <br>u128AA_u125BE.liga      |
| KU <sub>6</sub> ~a.GiŠ  (o0980701)<br> KU <sub>6</sub> ~a.GiŠ <br>       | <br>F224B | <br>u128AA_u128A7.liga      |
| KUR~a.E <sub>2</sub> ~a  (o0980708)<br> KUR~a.E <sub>2</sub> ~a <br>     | <br>F224C | <br>u128AE_u127CA.liga      |
| KUR~a.NUNUZ~a1  (o0980709)<br> KUR~a.NUNUZ~a1 <br>                       | <br>F224D | <br>u128AE_u12A82.liga      |
| KUR~a.RU  (o0981273)<br> KUR~a.RU <br>                                   | <br>F21AF | <br>u128AE_u12AA5.liga      |
| KUR~a.RU ~1<br>  | <br>F21AE | <br>u128AE_u12AA5.liga.cv01 |
| KUR~b.E <sub>2</sub> ~a  (o0980711)<br> KUR~b.E <sub>2</sub> ~a <br>     | <br>F224E | <br>u128AF_u127CA.liga      |
| LAGAB~b.TE  (o0980754)<br> LAGAB~b.TE <br>                               | 0         | <br>u128CE_u12BB9.liga      |
| LI (o0980794)<br> ŠE~a°ŠA <br>   | <br>F2125 | <br>u12A22_u12B37.liga      |
| ŠA°ŠE~a <br>   | <br>F2126 | <br>u12A0F_u12B52.liga      |
| LU <sub>2</sub> .GAL~a  (o0980799)<br> GAL~a.LU <sub>2</sub>  <br>       | <br>F2129 | <br>u127DE_u129B6.liga      |
| LU <sub>2</sub> °GAL~a <br>  | <br>F212A | <br>u128E4_u1284E.liga      |
| MUŠ <sub>3</sub> ~a.AB~a  (o0981510)<br> MUŠ <sub>3</sub> ~a.AB~a <br>   | <br>F224F | <br>u12921_u12698.liga      |
| MUŠ <sub>3</sub> ~a.ERIN  (o0981176)<br> MUŠ <sub>3</sub> ~a.ERIN <br>   | <br>F2250 | <br>u12921_u127EF.liga      |

| CHARNAME/GLYFNAME/DECOMP  | PUA  | LIG/.liga  |
|---|--|--|
| MUŠ <sub>3</sub> ~a.UNUG~a  (o0981511)<br> MUŠ <sub>3</sub> ~a.UNUG~a <br> | <br>F2251   | <br>u12921_u12C44.liga      |
| MUŠEN.ŠE~a  (o0981506)<br> ŠE~a°MUŠEN <br>                                 | <br>F21D5   | <br>u12A22_u12A05.liga      |
| MUŠEN.ŠE~a <br>  | <br>F21D6   | <br>u12924_u12B52.liga      |
| MUŠEN.UR <sub>3</sub> ~b2  (o0980872)<br> MUŠEN.UR <sub>3</sub> ~b2 <br>   | <br>F2139   | <br>u12924_u12C58.liga      |
| MUŠEN.UR <sub>3</sub> ~b2 ~1<br>   | <br>F213A   | <br>u12924_u12C58.liga.cv01 |
| MUŠEN.3(N58)  (o0980873)<br> MUŠEN.3(N58) <br>                             | 0  | <br>u12924_uF011C.liga      |
| I(N02).RU  (o0980876)<br> I(N02).RU <br>                                  | <br>F2252   | <br>u125BE_u12AA5.liga      |
| NAGAR~a.BU~a  (o0980604)<br> NAGAR~a.BU~a <br>                           | <br>F2253 | <br>u12933_u1270B.liga    |
| NAGAR~b.BU~a  (o0980605)<br> NAGAR~b.BU~a <br>                           | <br>F2254 | <br>u12934_u1270B.liga    |
| NE~a.RU  (o0980329)<br> NE~a.RU <br>                                     | <br>F2255 | <br>u12940_u12AA5.liga    |
| NE~c.GI  (o0980497)<br> NE~a°GI <br>                                     | <br>F20E3 | <br>u12940_u12878.liga    |
| NE~c°GI <br>   | <br>F20E2 | <br>u12942_u12878.liga    |
| NI~a.RU  (o0980918)<br> NI~a.RU <br>                                     | <br>F2256 | <br>u12946_u12AA5.liga    |
| NUN~a.ME~a  (o0980028)<br> NUN~a.ME~a <br>                               | <br>F2082 | <br>u12972_u129E2.liga    |

| CHARNAME/GLYFNAME/DECOMP                         | PUA       | LIG/.liga                     |
|--|-----------|-------------------------------|
| NUN~a+ME~a <br>                                  | <br>F2083 | <br>u12972_u129E2.liga.cv01   |
| NUN~a.ME~a.DU  (o0980029)<br> DU.ME~a.NUN~a <br> | <br>F2084 | <br>u1271E_u12908_u12A74.liga |
| NUN~a.ME~a.DU <br>                               | <br>F2085 | <br>u12972_u12908_u1274D.liga |
| NUN~b.U.~a  (o0980988)<br> NUN~b.U.~a <br>       | 0         | <br>u12978_u12BE1.liga        |
| PA~a.IB~a  (o0981187)<br> PA~a°IB~a <br>         | <br>F2188 | <br>u12981_u128F4.liga        |
| PA~a.IB~a <br>                                   | <br>F2187 | <br>u12981_u128F4.liga.cv01   |
| PA~a°IB~a ~1<br>                                 | <br>F2189 | <br>u12981_u128F4.liga.cv02   |
| IB~a°PAP~a <br>                                  | <br>F218B | <br>u12859_u12A91.liga        |
| PA~a.UDU~a  (o0981147)<br> PA~a.UDU~a <br>       | <br>F2177 | <br>u12981_u12C25.liga        |
| PA~a.UDU~a ~1<br>                                | <br>F2178 | <br>u12981_u12C25.liga.cv01   |
| PAP~a.IB~a  (o0981188)<br> PAP~a.IB~a <br>       | <br>F218A | <br>u12985_u128F4.liga        |
| SAL.KUR~a  (o0981042)<br> SAL.KUR~a <br>         | <br>F2257 | <br>u129A1_u1296C.liga        |
| SAL.LAGAR~a  (o0980866)<br> SAL.LAGAR~a <br>     | <br>F2258 | <br>u129A1_u129A0.liga        |
| SAL.LAM~b  (o0981043)<br> SAL.LAM~b <br>         | <br>F2259 | <br>u129A1_u129B1.liga        |

| CHARNAME/GLYFNAME/DECOMP  | PUA  | LIG/.liga  |
|---|--|--|
| SAL.ME~a  (o0981044)<br> SAL.ME~a <br>   | 0  | <br>u129A1_u129E2.liga                      |
| SAL.NAM <sub>2</sub>   (o0980933)<br> SAL.NAM <sub>2</sub>  <br>   | <br>F225A   | <br>u129A1_u12A23.liga                      |
| SAL.NAM <sub>2</sub> .EZEN~b×ŠE~a@t.NUN~a.SIG <sub>7</sub>   (o0980969)<br> SAL.NAM <sub>2</sub> .EZEN~b×ŠE~a@t°NUN~a.SIG <sub>7</sub>  <br> | <br>F225B   | <br>u129A1_u12939_u127A2_u12972_u12AE3.liga |
| SAL.SI  (o0981092)<br> SAL.SI <br>   | <br>F225C   | <br>u129A1_u12AC7.liga                      |
| SAL.SILA <sub>4</sub> ~c  (o0980679)<br> SAL.SILA <sub>4</sub> ~c <br>   | <br>F225D   | <br>u129A1_u12B15.liga                      |
| SAL.ŠU <sub>2</sub>   (o0981045)<br> SAL.ŠU <sub>2</sub>  <br>   | <br>F225E   | <br>u129A1_u12B98.liga                      |
| SAL.ZATU751~a  (o0981046)<br> SAL.ZATU751~a <br>   | <br>F225F  | <br>u129A1_u12D75.liga                      |
| SAL.ZATU751~b  (o0981047)<br> SAL.ZATU751~b <br>   | <br>F2260 | <br>u129A1_u12D76.liga                    |
| SAL.ZATU751~c  (o0981048)<br> SAL.ZATU751~c <br>   | <br>F2261 | <br>u129A1_uF300F.liga                    |
| SU~a.KUR~a.RU  (o0981275)<br> SU~a.KUR~a.RU <br>   | <br>F2262 | <br>u129F7_u128AE_u12AA5.liga             |
| ŠE~a.GAR  (o0981201)<br>ŠE~a.GAR <br>  | <br>F2227 | <br>u12A22_u12868.liga                    |
| ŠE~a@t.GAR <br>  | <br>F2228 | <br>u12A24_u12868.liga                    |
| ŠE~a.GUG <sub>2</sub>   (o0981211)<br>ŠE~a.GUG <sub>2</sub>  <br>  | <br>F2263 | <br>u12A22_u128C8.liga                    |


































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| ŠE~a@t.KIN <sub>2</sub> ~c <br>   | <br>F2190 | <br>u12A24_u12948.liga      |
| ŠE~a.NAM <sub>2</sub>   (o0981203)<br>ŠE~a.NAM <sub>2</sub>  <br>                         | <br>F2191 | <br>u12A22_u12A23.liga      |
| ŠE~a.NAM <sub>2</sub>  ~1<br>   | <br>F2192 | <br>u12A22_u12A23.liga.cv01 |
| ŠEŠ~a.NA~a  (o0980904)<br>ŠEŠ~a.NA~a <br>   | <br>F2264 | <br>u12A32_u12A0B.liga      |
| ŠITA~a1.MUD <sub>3</sub> ~a  (o0980773)<br>ŠITA~a1.MUD <sub>3</sub> ~a <br>               | <br>F2265 | <br>u12A39_u129EF.liga      |
| ŠU <sub>2</sub> .AN  (o0981253)<br>ŠU <sub>2</sub> .AN <br>                               | <br>F2266 | <br>u12A4A_u126CC.liga      |
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| ŠU <sub>2</sub> .GIŠ  (o0981258)<br>ŠU <sub>2</sub> .GIŠ <br>                             | <br>F226A | <br>u12A4A_u128A7.liga      |

| CHARNAME/GLYFNAME/DECOMP   | PUA  | LIG/.liga  |
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| ŠU <sub>2</sub> .URI <sub>3</sub> ~a  (o0981261)<br>ŠU <sub>2</sub> .URI <sub>3</sub> ~a <br>⟨.Š         | <br>F226D   | <br>u12A4A_u12C5F.liga        |
| ŠU <sub>2</sub> .1(N02)  (o0981262)<br>ŠU <sub>2</sub> .1(N02) <br>⟨.Š                                   | <br>F226E   | <br>u12A4A_u125BE.liga        |
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| ŠU <sub>2</sub> .2(N57)  (o0981264)<br>ŠU <sub>2</sub> .2(N57) <br>⟨.=                                   | <br>F2270   | <br>u12A4A_uF0111.liga        |
| TE.A  (o0980650)<br> TE.A <br>Š.}}   | <br>F2271  | <br>u12A62_u12690.liga       |
| [TUG <sub>2</sub> ~a.BAD&BAD  (o0981307)<br>[TUG <sub>2</sub> ~a.BAD&BAD <br>Š.Š                         | <br>F21B7 | <br>u12A6B_u126E0.liga      |
| [TUG <sub>2</sub> ~a@g.BAD&BAD <br>Š.Š   | F21B8  | u12A6C_u126E0.liga   |
| [TUR <sub>3</sub> ~a.5(N57)  (o0981324)<br>[TUR <sub>3</sub> ~a.5(N57) <br>Š.Š                           | <br>F2272 | <br>u12A79_uF0114.liga      |
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

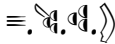






























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| [U <sub>4</sub> .3(N08)] (o0981336)<br>[U <sub>4</sub> .3(N08)]<br>𐎠.𐎢                           | 𐎠.𐎢<br>F2277             | 𐎠.𐎢<br>u12A7F_u1255B.liga                    |
| [U <sub>4</sub> .4(N08)] (o0981337)<br>[U <sub>4</sub> .4(N08)]<br>𐎠.𐎣                           | 𐎠.𐎣<br>F2278             | 𐎠.𐎣<br>u12A7F_u1255C.liga                    |
| [U <sub>4</sub> .5(N08)] (o0981338)<br>[U <sub>4</sub> .5(N08)]<br>𐎠.𐎤                           | 𐎠.𐎤<br>F2279             | 𐎠.𐎤<br>u12A7F_u1255D.liga                    |
| [U <sub>4</sub> .6(N08)] (o0981339)<br>[U <sub>4</sub> .6(N08)]<br>𐎠.𐎥                           | 𐎠.𐎥<br>F227A             | 𐎠.𐎥<br>u12A7F_u1255E.liga                    |
| [U <sub>4</sub> .7(N08)] (o0981340)<br>[U <sub>4</sub> .7(N08)]<br>𐎠.𐎦                           | 𐎠.𐎦<br>F227B             | 𐎠.𐎦<br>u12A7F_u1255F.liga                    |
| [U <sub>4</sub> .8(N08)] (o0981341)<br>[U <sub>4</sub> .8(N08)]<br>𐎠.𐎧                           | 𐎠.𐎧<br>F227C             | 𐎠.𐎧<br>u12A7F_u12560.liga                    |
| [U <sub>4</sub> .1(N14)] (o0981342)<br>[U <sub>4</sub> .1(N14)]<br>𐎠.𐎨                           | 𐎠.𐎨<br>F227D             | 𐎠.𐎨<br>u12A7F_u12562.liga                    |
| [U <sub>4</sub> .1(N14).1(N08)] (o0981343)<br>[U <sub>4</sub> .1(N14).1(N08)]<br>𐎠.𐎩.𐎡           | 0                        | 𐎠.𐎩.𐎡<br>u12A7F_u12562_u12559.liga           |
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



































| CHARNAME/GLYFNAME/DECOMP   | PUA       | LIG/.liga                     |
|--|-----------|-------------------------------|
| U <sub>4</sub> .2(N14)  (o0981348)<br> U <sub>4</sub> .2(N14) <br>   | <br>F2282 | <br>u12A7F_u12563.liga        |
| U <sub>4</sub> .1(N24)  (o0981349)<br> U <sub>4</sub> .1(N24) <br>   | <br>F2283 | <br>u12A7F_u125AA.liga        |
| U <sub>4</sub> .x1(N01).5(N08)  (o0981353)<br> U <sub>4</sub> .x1(N01).5(N08) <br>                                 | <br>F2284 | <br>u12A80_u1255D.liga        |
| U <sub>4</sub> .x2(N01).2(N14)  (o0981357)<br> U <sub>4</sub> .x2(N01).2(N14) <br>                                 | <br>F2285 | <br>uF2481_u12563.liga        |
| U <sub>4</sub> .x2(N01).2(N14).1(N08)  (o0981358)<br> U <sub>4</sub> .x2(N01).2(N14).1(N08) <br>                   | <br>F2286 | <br>uF2481_u12563_u12559.liga |
| U <sub>4</sub> .x3(N01).3(N08)  (o0981360)<br> U <sub>4</sub> .x3(N01).3(N08) <br>                                 | <br>F2287 | <br>u12A82_u1255B.liga        |
| U <sub>4</sub> .x4(N01).2(N14)  (o0981362)<br> U <sub>4</sub> .x4(N01).2(N14) <br>                                 | <br>F2288 | <br>u12A83_u12563.liga        |
| U <sub>4</sub> .x5(N01).1(N14)  (o0981364)<br> U <sub>4</sub> .x5(N01).1(N14) <br>                                 | <br>F2289 | <br>u12A84_u12562.liga        |
| U <sub>4</sub> .x(1(N14).3(N01)).1(N14).4(N08)  (o0981374)<br> U <sub>4</sub> .x(1(N14).3(N01)).1(N14).4(N08) <br> | <br>F228A | <br>uF253D_u12562_u1255C.liga |
| UKKIN~a.GAL~a  (o0980678)<br> GAL~a.UKKIN~a <br>   | <br>F210E | <br>u127DE_u12C31.liga        |
| GAL~a.UKKIN~a ~1<br>   | <br>F210F | <br>u127DE_u12C31.liga.cv01   |
| URI <sub>3</sub> ~a.AB~a  (o0981461)<br> URI <sub>3</sub> ~a.AB~a <br>   | <br>F228B | <br>u12AD4_u12698.liga        |
| URI <sub>3</sub> ~a.IB~a  (o0981460)<br> URI <sub>3</sub> ~a.IB~a <br>   | <br>F228C | <br>u12AD4_u128F4.liga        |



| CHARNAME/GLYFNAME/DECOMP  | PUA  | LIG/.liga  |
|---|--|--|
| URI <sub>3</sub> ~a.NA~a  (o0980903)<br> URI <sub>3</sub> ~a°NA~a <br>     | <br>F2146   | <br>u12AD4_u12A0B.liga      |
| URI <sub>3</sub> ~a.NA~a <br>  | <br>F2145   | <br>u12AD4_u12A0B.liga.cv01 |
| URI <sub>3</sub> ~a.NA~a ~1<br>  | <br>F2147   | <br>u12AD4_u12A0B.liga.cv02 |
| URI <sub>3</sub> ~a.UNUG~a  (o0981458)<br> URI <sub>3</sub> ~a.UNUG~a <br> | <br>F228D   | <br>u12AD4_u12C44.liga      |
| UŠ~a.KUR~a  (o0980616)<br> UŠ~a.KUR~a <br>                                 | <br>F20FD   | <br>u12AE9_u1296C.liga      |
| UŠ~b.KUR~a <br>  | <br>F20FC   | <br>u12AEB_u1296C.liga      |
| X <sub>2</sub> (o0981508)<br> 2(N57).DU <sub>6</sub> ~a@n <br>=,◁   | 0  | <br>u12BED_uF3089.liga      |
| ZATU714.RU  (o0981658)<br> ZATU714.RU <br>                               | <br>F228E | <br>u12B76_u12AA5.liga    |
| 1(N57).AB <sub>2</sub>   (o0982202)<br> 1(N57).AB <sub>2</sub>  <br>-,◁   | <br>F228F | <br>u12BEC_u126A7.liga    |
| 2(N57).AB <sub>2</sub>   (o0982203)<br> 2(N57).AB <sub>2</sub>  <br>=,◁   | <br>F2290 | <br>u12BED_u126A7.liga    |
| 3(N57).AMAR  (o0982204)<br> 3(N57).AMAR <br>≡,▷   | <br>F2291 | <br>u12BEE_u126C5.liga    |
| 4(N57).AMAR  (o0982205)<br> 4(N57).AMAR <br>≡,▷   | <br>F2292 | <br>u12BEF_u126C5.liga    |
| 3(N57).AZ  (o0982206)<br> 3(N57).AZ <br>≡,◁   | 0  | <br>u12BEE_u126DC.liga    |
| 3(N57).BAR×UŠ~a  (o0982207)<br> 3(N57).BAR×UŠ~a <br>≡,◁   | <br>F2293 | <br>u12BEE_uF3095.liga    |

| CHARNAME/GLYFNAME/DECOMP  | PUA          | LIG/.liga                   |
|---|--------------|-----------------------------|
| 3(N57).BARA <sub>3</sub>   (o0982208)<br> 3(N57).BARA <sub>3</sub>  <br>≡.𐎠𐎡𐎢 | 𐎠𐎡𐎢<br>F2294 | 𐎠𐎡𐎢<br>u12BEE_u12702.liga   |
| 2(N57).BIR <sub>3</sub> ~a  (o0982209)<br> 2(N57).BIR <sub>3</sub> ~a <br>=𐎠𐎡 | 𐎠𐎡<br>F2295  | 𐎠𐎡<br>u12BED_u12706.liga    |
| 1(N57).BU <sub>3</sub>   (o0982210)<br> 1(N57).BU <sub>3</sub>  <br>-𐎠𐎡𐎢      | 0            | 𐎠𐎡𐎢<br>u12BEC_u12718.liga   |
| 1(N57).E <sub>2</sub> ~a  (o0982211)<br> 1(N57).E <sub>2</sub> ~a <br>-𐎠𐎡     | 𐎠𐎡<br>F2296  | 𐎠𐎡<br>u12BEC_u127CA.liga    |
| 3(N57).E <sub>2</sub> ~b  (o0982212)<br> 3(N57).E <sub>2</sub> ~b <br>≡.𐎠𐎡    | 𐎠𐎡𐎢<br>F2220 | 𐎠𐎡𐎢<br>u12BEE_u127CE.liga   |
| 3(N57).EN <sub>2</sub>   (o0982213)<br> 3(N57).EN <sub>2</sub>  <br>≡.𐎠𐎡      | 0            | 𐎠𐎡𐎢<br>u12BEE_u127E3.liga   |
| 3(N57).GAR  (o0982215)<br> 3(N57).GAR <br>≡.𐎠𐎡                                | 𐎠𐎡𐎢<br>F2297 | 𐎠𐎡𐎢<br>u12BEE_u12868.liga   |
| 4(N57).GAR  (o0982216)<br> 4(N57).GAR <br>≡.𐎠𐎡                                | 𐎠𐎡𐎢<br>F2298 | 𐎠𐎡𐎢<br>u12BEF_u12868.liga   |
| 5(N57).GAR  (o0982217)<br> 5(N57).GAR <br>≡.𐎠𐎡                                | 𐎠𐎡𐎢<br>F2299 | 𐎠𐎡𐎢<br>u12BF0_u12868.liga   |
| 6(N57).GAR  (o0982218)<br> 6(N57).GAR <br>≡.𐎠𐎡                                | 𐎠𐎡𐎢<br>F229A | 𐎠𐎡𐎢<br>u12BF1_u12868.liga   |
| 7(N57).GAR  (o0982219)<br> 7(N57).GAR <br>≡≡.𐎠𐎡                               | 0            | ≡≡.𐎠𐎡<br>u12BF2_u12868.liga |
| 4(N57).KU <sub>3</sub> ~a  (o0982220)<br> 4(N57).KU <sub>3</sub> ~a <br>≡.𐎠𐎡  | 𐎠𐎡𐎢<br>F229B | 𐎠𐎡𐎢<br>u12BEF_u12963.liga   |
| 5(N57).KU <sub>3</sub> ~a  (o0982221)<br> 5(N57).KU <sub>3</sub> ~a <br>≡.𐎠𐎡  | 𐎠𐎡𐎢<br>F229C | 𐎠𐎡𐎢<br>u12BF0_u12963.liga   |

| CHARNAME/GLYFNAME/DECOMP  | PUA  | LIG/.liga   |
|---|--|---|
| 6(N57).KU <sub>3</sub> ~a  (o0982222)<br> 6(N57).KU <sub>3</sub> ~a <br>≡.   | <br>F229D   | <br>u12BF1_u12963.liga               |
| 2(N57).KU <sub>6</sub> ~a  (o0982223)<br> 2(N57).KU <sub>6</sub> ~a <br>= .  | <br>F229E   | <br>u12BED_u12965.liga               |
| 3(N57).LAM~a.KUR~a.RU  (o0980071)<br> 3(N57).LAM~a.KUR~a.RU <br>≡.           | <br>F229F   | <br>u12BEE_u128DF_u128AE_u12AA5.liga |
| 1(N57).MUŠEN  (o0982224)<br> 1(N57).MUŠEN <br>- .                            | <br>F22A0   | <br>u12BEC_u12A05.liga               |
| 2(N57).MUŠEN  (o0982225)<br> 2(N57).MUŠEN <br>= .                            | <br>F22A1   | <br>u12BED_u12A05.liga               |
| 3(N57).MUŠEN  (o0982226)<br> 3(N57).MUŠEN <br>≡.                             | <br>F22A2   | <br>u12BEE_u12A05.liga               |
| 3(N57).NUNUZ~a1  (o0982227)<br> 3(N57).NUNUZ~a1 <br>≡.                     | <br>F22A3  | <br>u12BEE_u12A82.liga              |
| 3(N57).NUNUZ~c  (o0982228)<br> 3(N57).NUNUZ~c <br>≡.                       | <br>F22A4 | <br>u12BEE_u12A87.liga             |
| 3(N57).PIRIG~b1  (o0982229)<br> 3(N57).PIRIG~b1 <br>≡.                     | <br>F22A5 | <br>u12BEE_u12A98.liga             |
| 3(N57).RU  (o0981274)<br> 3(N57).RU <br>≡.                                 | <br>F21B1 | <br>u12BEE_u12AA5.liga             |
| 3(N57).RU ~1<br>≡.   | <br>F21B0 | <br>u12BEE_u12AA5.liga.cv01        |
| 3(N57).SANGA~a  (o0982230)<br> 3(N57).SANGA~a <br>≡.                       | 0  | <br>u12BEE_u12ABC.liga             |
| 3(N57).SI  (o0982231)<br> 3(N57).SI <br>≡.                                 | 0  | <br>u12BEE_u12AC7.liga             |

| CHARNAME/GLYFNAME/DECOMP  | PUA  | LIG/.liga   |
|---|--|---|
| 1(N57).SIG  (o0982232)<br> 1(N57).SIG <br>- .                                  | <br>F22A6   | <br>u12BEC_u12ACF.liga   |
| 2(N57).SU~a  (o0982233)<br> 2(N57).SU~a <br>= .                                | <br>F22A7   | <br>u12BED_u12B1D.liga   |
| 1(N57).ŠAH <sub>2</sub> ~a  (o0982234)<br> 1(N57).ŠAH <sub>2</sub> ~a <br>- .  | <br>F22A8   | <br>u12BEC_u12B49.liga   |
| 1(N57).ŠUBUR  (o0982235)<br> ŠUBUR×1(N57) <br> × -                             | <br>F221E   | <br>u12A4C_uF0110.liga   |
| 1(N57).ŠUBUR <br>- .   | <br>F221F   | <br>u12BEC_u12B9E.liga   |
| 2(N57).ŠUBUR  (o0982236)<br> 2(N57).ŠUBUR <br>= .                              | <br>F22A9   | <br>u12BED_u12B9E.liga   |
| 3(N57).ŠUBUR  (o0982237)<br> 3(N57).ŠUBUR <br>≡ .                             | <br>F22AA  | <br>u12BEE_u12B9E.liga   |
| 3(N57).UDU~a  (o0982238)<br> 3(N57).UDU~a <br>≡ .                            | <br>F22AB | <br>u12BEE_u12C25.liga |
| 2(N57).UDUNITA~a  (o0982239)<br> 2(N57).UDUNITA~a <br>= .                    | <br>F22AC | <br>u12BED_u12C2A.liga |
| 3(N57).UDUNITA~a  (o0982240)<br> 3(N57).UDUNITA~a <br>≡ .                    | <br>F22AD | <br>u12BEE_u12C2A.liga |
| 1(N57).URU~a1  (o0981472)<br> 1(N57).URU~a1 <br>- .                          | <br>F22AE | <br>u12BEC_u12C63.liga |
| 2(N57).URU~a1  (o0981473)<br> 2(N57).URU~a1 <br>= .                          | <br>F22AF | <br>u12BED_u12C63.liga |

## L Implementation Notes on Sequences

This section provides some background on how PCSL handles sequences. The core PCSL data file is available from the PCSL github repo as [pcsl.asl](#). It is generated in the ASL format as documented in the Oracc Sign List.

### L.1 Sequences have constant character names

In PCSL, the tag @sign is used for sign names and is dissociated from glyph names. All of the variants of a sequence are grouped under a single @sign. The sign name is composed of a conventional ordering of the sequence, with each component joined by periods ('.'). Each sign name is unique among the set of sign names.

If there is an attested simple linear sequence for a sequence character, that form is selected for the character name. The mnemonically named LUGAL occurs in a simple linear sequence as |GAL~a.LU<sub>2</sub>|, so that is used as the name of the character.

### L.2 Glyphs have unique names


PCSL uses a new tag, @glyph to clarify the separation of character names versus glyph names. Glyph names consist of a name conforming to an extended set of rules for grapheme naming and possibly a variant tag, consisting of a tilde and a sequence of one or more digits. One glyph name for LUGAL is |GAL~a.LU<sub>2</sub>~a|~1. The variant tag is stable and represents a variation on the basic glyph name (i.e., the name with all joiners mapped to '.').

Glyph names only have to be unique among @glyph entries; a @sign and @glyph may have the same name.

### L.3 How unique glyph names are constructed

Unique glyph names are constructed by varying the order and joiners of the grapheme notation in a way that reflects the variant's form. The joiners are '.' ("BESIDE"), '+' ("JOINING"), and '°' ("TURNING"), the ring operator. This last is an addition to ATF notation to support the description of sign clustering.

Glyph names do not encode internal glyph variation, i.e., several variant forms of IB are used in the construction of ŠAB (|PA.IB|).

Following the corpus-building rule that input text should not be reordered, glyph names do not reorder components. Where there is a reasonable choice of how to describe the order of components an order identical or closer to the sequence character name is preferred. Thus, in the case of character |PAP~a.IB~a|, the glyph  could reasonably be described as |PAP~a.IB~a| or |IB~a°PAP~a|. The former is preferred because it follows the character name.

Similarly, glyph names do not remap or normalize variant components that are considered distinct signs in PCSL. Thus, for character |UŠ~a.KUR~a| there are glyphs |UŠ~a.KUR~a| and |UŠ~b.KUR~a|; for the sequence named |EN~a.EZEN~b×ŠE~a.NUN~a.SIG<sub>7</sub>| there are glyphs |EN~a.EZEN~b×ŠE~a@t°NUN~a.SIG<sub>7</sub>| and (with a distinct component) |EN~a.BAHAR<sub>2</sub>~b°SIG<sub>7</sub>.ME~a.NUN~a|.

### L.4 How glyph names are turned into ligatures

Glyph names are turned into ligatures by taking the base component signs and concatenating them. Multiple glyph names may generate the same core ligature sequence, so CVnn tags are added to the second and subsequent duplicate core ligatures to disambiguate them. Thus, |ŠE~a.NAM<sub>2</sub>| has two glyph forms, named |ŠE~a.NAM<sub>2</sub>|~1 and |ŠE~a.NAM<sub>2</sub>|~2. These are mapped, schematically, to ŠE~a\_NAM<sub>2</sub> and ŠE~a\_NAM<sub>2</sub>.cv01. The CVnn used in the font is relative to the number of previous duplicate siblings of the glyph name; in the case of the character |GA~a.ZATU753| there are glyphs |GA~a.ZATU753|~1 and |ZATU753.GA~a|~1; neither ligature therefore requires a CVnn.

In order for this approach to work it is important to specify the OpenType feature lookups in the correct order: liga must come before cv01 .. cvNN, and salt should come last. Unmarked liga should be in the liga table; liga.cvNN should be in the salt table.

## L.5 Usage notes

### L.5.1 LuaHBTeX

The recommended TeX engine for use with PCSL.ttf is LuaHBTeX. \font inputs require “mode=harf;script=xsux”. The features for the cvNN ligatures should be specified as “+cv01,salt=0”, “+cv02,salt=1”, “+cv03,salt=2” (specifying +liga is unnecessary; note that salt index is 0-based in LuaHBTeX).

Examples from the production of this document:

```
\font\pcxxv={file:PCSL.ttf:mode=harf;script=xsux;} at 18pt
\font\pccvi={file:PCSL.ttf:mode=harf;script=xsux;+cv01} at 18pt
\font\pcssiii={file:PCSL.ttf:mode=harf;script=xsux;+ss03} at 18pt
\font\pceee={file:PCSL.ttf:mode=harf;script=xsux;+ss20;color=E5E5E5} at 18pt
\font\pcseqi={file:PCSL.ttf:mode=harf;script=xsux;+cv01;+salt=0} at 14pt
% salt numbers from zero here, from 1 in the font so .3 (saltiii) = +salt=2
\font\oraccclaksaltiii={file:Oracc-LAK.ttf:mode=harf;script=xsux;+salt=2} at 14pt
```

### L.5.2 HTML/CSS

To use PCSL as a webfont and enable class=“ofs-pc” the following CSS can be used:

```
@font-face {
  font-family: 'Oracc PC';
  src: url('/fonts/PCSL.ttf');
}
.ofs-pc {
  font-family: "Oracc PC";
  font-variant-ligatures: common-ligatures;
}
.cv01 {
  font-feature-settings: "cv01";
}
/* ... additional .cvNN for each value required ... */
.salt1 {
  font-feature-settings: "salt" 1;
}
/* ... additional .salt for each value required ... */
.ss03 {
  font-feature-settings: "ss03";
}
/* ... additional .ssNN for each value required ... */
```

Note that in CSS SALT indexes from 1.

## M Fonts for the Proposal

The proposal is supported by two fonts:

### M.1 PCSL.ttf

This is the font used for the PCSL table and other appendices in the proposal. The font is remapped and augmented from an earlier font which was named PC24.ttf. Both PC24.ttf and PCSL.ttf owe a huge debt to the original work of Anshuman Pandey in turning Bob Englund's CDLI glyph collection into a font, and to Robin Leroy's work on Archaic Cuneiform Numerals. PCSL.ttf has been augmented and revised extensively by Steve Tinney and currently contains the following components:

- 12550-12686 are derived from Robin Leroy's Archaic Cuneiform Numerals font
- 12690-12BFF are the reference glyphs for characters proposed for encoding here
- F00DA-F012D are characters not proposed for encoding but listed in the OSL PUA
- F2000-F22B1 are glyph variants; these are also included under a .cvNN variant of the character of which they are a variant; in the PCSL table the .cvNN codes are indicated by subscript numbers before the glyph variants listed in the FONT column
- F2400-F2DA4 are unencoded characters and characters preserved from Anshuman Pandey's original PC font
- .ss04/.ss03 give some Uruk IV/III variant forms but this has not been done systematically; all .ss04 and .ss03 are also present as glyph variants
- .ss20 is a styleset that supports constrained width displays such as code charts; .ss20 only exists for reference glyphs that are over 1200 units wide. The font is sized to use a maximum of 1200 units in the y axis so no scaling needed for taller signs, only for wider signs.
- .liga entries to support the sequences as described in the Sequence Data appendix

### M.2 pc25-cc.ttf

This font is designed only for use with the code chart and character list. The font contains no PC characters which are not in the proposed repertoire and uses no font features. The scaled forms that are in .ss20 in PCSL.ttf are placed directly in their reference glyph code points in pc25-cc.ttf.

The font is used in the proposal for code charts and character list and is also attached to the proposal PDF.