

# Proposal to Encode Proto-Cuneiform

Steve Tinney, Anshuman Pandey, and Robin Leroy

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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 recently managed by Émilie Pagé-Perron and 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].

Steve Tinney 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.

## 1 Summary

This is a new proposal to encode 1392 ‘Proto-Cuneiform’ ([ISO15924] Pcus) characters in the Unicode range 12690–12BFF. These characters belong to the earliest attested writing system, which emerged at the end of the 4th millennium BCE in Uruk, a region between the Tigris and Euphrates rivers, in what is commonly referred to as Mesopotamia. The encoding would 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 the CDLI-gh collection of sign images
- 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 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.

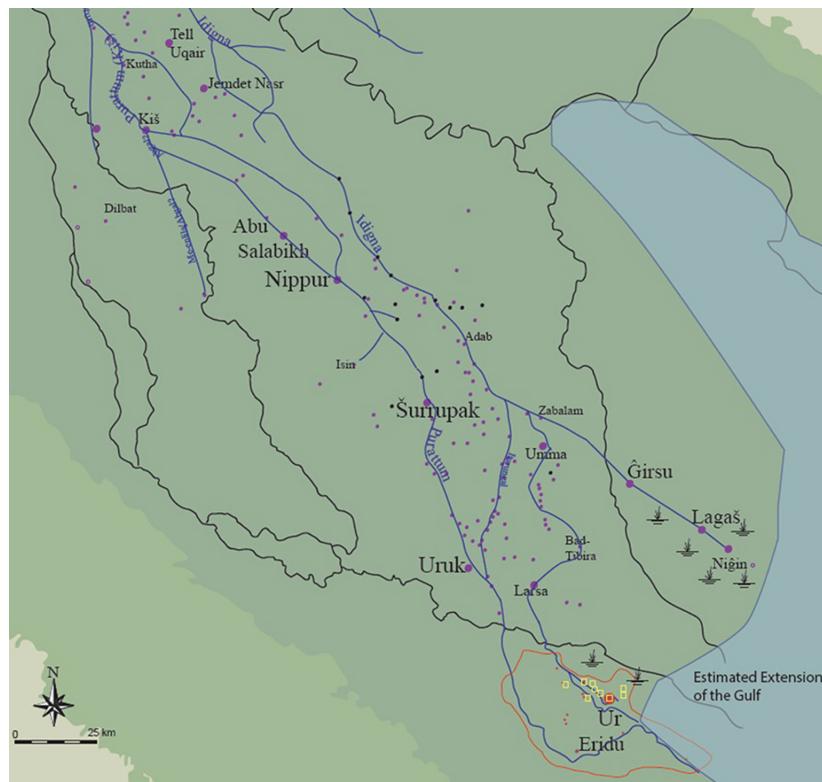


Figure 1: Map of southern Iraq showing canal networks and key settlements of the late fourth and early third millennia BCE (from [Ben15])

#### 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 paleographical 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 outcrops. Considering the extent of these hundreds of settlements active, albeit often episodically or intermittently, over five to six hundred years, the text-corpus of less than 7000 documents from a handful of sites presumably only represents 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 palaeographic 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.

#### 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 Margaret 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 [Eng88, p. XXX]. One of the earliest dossiers of activity of a named individual, Kušim the brewer, is studied by Peter Damerow and Bob Englund in [DE93].

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

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].

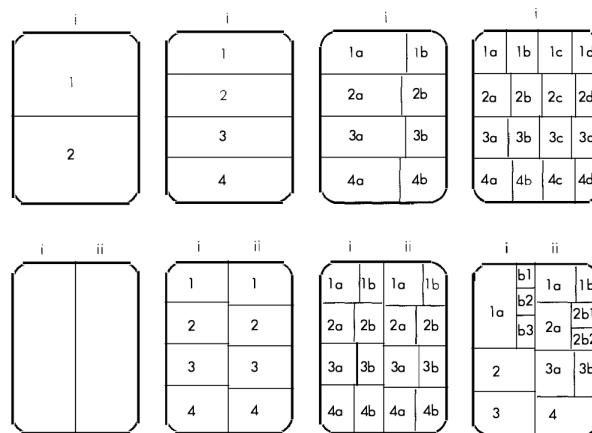


Figure 3: Sample tablet organizations; the CDLI transliterations utilize dotted line numbers to address cases of the form 1a.b2 etc.

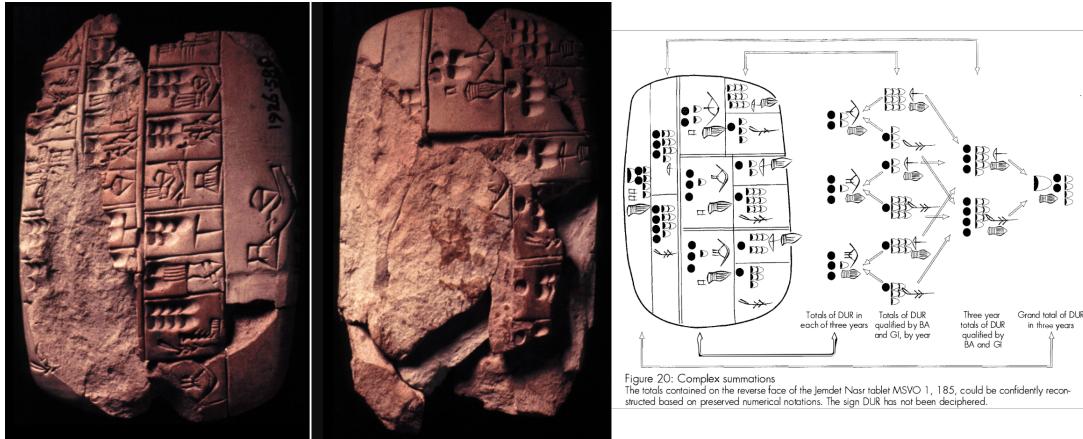


Figure 4: The complex summation MSVO 1, 185 with Englund's analysis.

### 3.3.2 Lexical Lists

The other important—but numerically far fewer—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 texts.

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].

An important feature of the archaic lexical lists is that some of them continue into the Early Dynastic period, where manuscripts from Fara and Abu Salabikh write the same content but in contemporary cuneiform—see [Lec09; Wag16] with previous literature.

## 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].

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. 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].

Figure 5: Englund's composite of the professions/occupations list, Lu. Shaded areas are entries that cannot be fully reconstructed from the extant manuscripts.



Figure 6: Sample lexical tablets: P000006, P000011, P000025

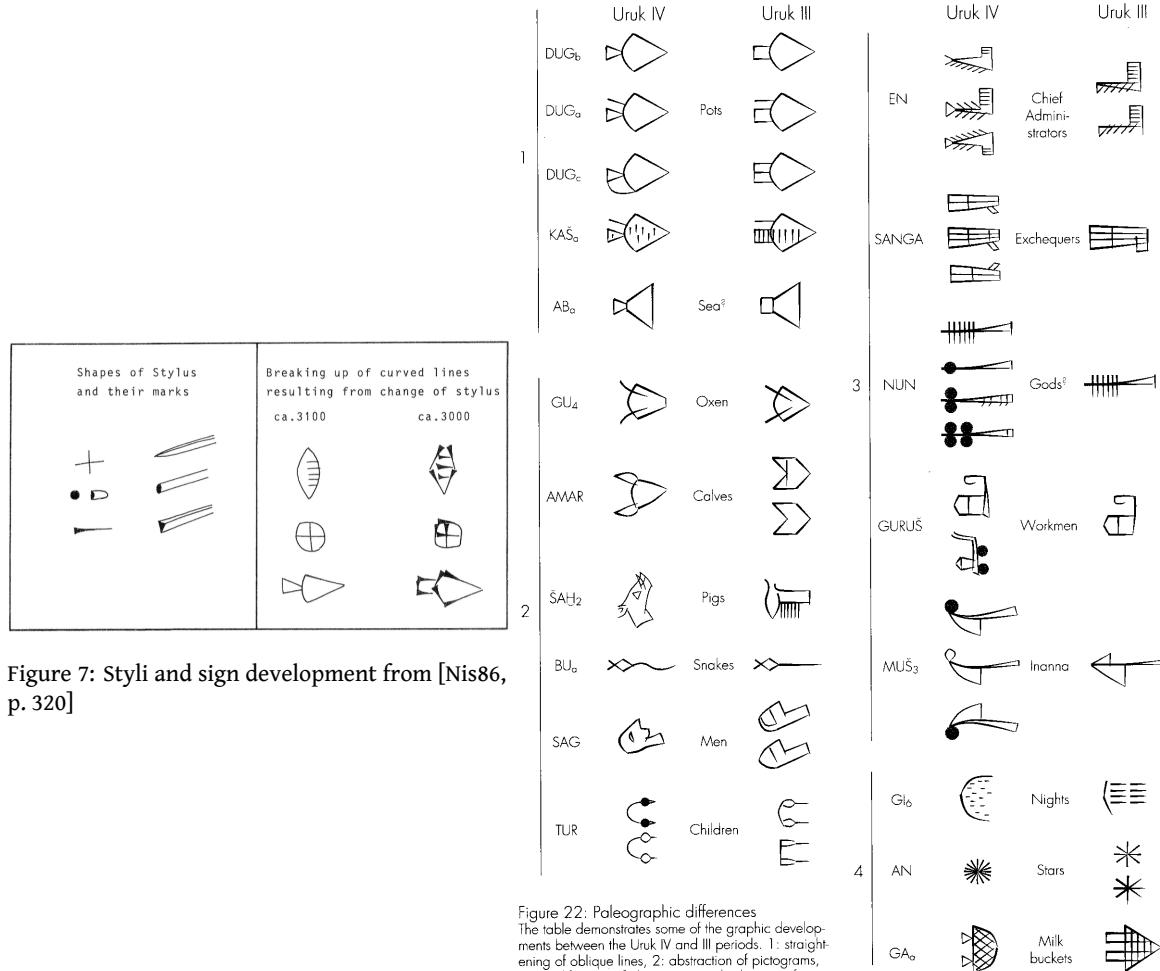


Figure 7: Styli and sign development from [Nis86, p. 320]

Figure 22: Paleographic differences  
The table demonstrates some of the graphic developments between the Uruk IV and III periods. 1: straightening of oblique lines, 2: abstraction of pictograms, 3: simplification of elements, standardization of sign orientation, 4: varia

Figure 8: Englund's overview of Uruk IV/Uruk III sign forms.

### 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, 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 6.2.

### 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 Age	Females	Males
Wool Sheep	Adults	U <sub>8</sub>	UDUNITA UDUNITA UDUNITA	UDUNITA UDUNITA UDUNITA
		U <sub>8</sub>	b c	b c
Juveniles	SLA <sub>4</sub>	KR <sub>11</sub>	KR <sub>11</sub>	SLANITA
		c		SLANITA
Small Cattle: Sheep and Goats	UDU	Fat-tailed Sheep (?)	GUUKAI	GUUKAI GUUKAI GUUKAI
			a b	c d
Goats	Adults	UD <sub>5</sub>	UD <sub>5</sub>	MAŠ <sub>2</sub>
			UD <sub>5</sub>	+D
	Juveniles	EŠGAR	EŠGAR	MAŠ
				+

Figure 9: Signs for ovi-caprids, after Englund.

Uruk IV	Uruk III	sign name	meaning	Uruk IV	Uruk II	sign name	meaning
		DUG <sub>0</sub>	beer			KAŠ <sub>b</sub>	dairy fat mixed with crushed barley?
		KAŠ <sub>a</sub>	beer			KAŠ <sub>c</sub>	dairy fat mixed with crushed barley?
		KISIM <sub>a</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			GARA <sub>2a</sub>	cream?
		UKKIN <sub>b</sub> +NI <sub>a</sub>	dairy fat				

Figure 60: Probable archaic designations of liquid and semi-liquid products

Figure 10: Signs for dairy products, after Englund.

## 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 necessarily ultimately, beyond the purview of the project 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 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 glyptic range would be minor compared to its current extent; consider the variety of glyphs for U+1214B CUNEIFORM SIGN IL, from Early Dynastic IIb to Old Babylonian and Neo-Assyrian . Indeed the glyphs of some proto-cuneiform signs would lie within the glyptic range of some archaizing Early Dynastic inscriptions: compare the sign LAK500 or on the shoulder of the ED IIb statue of [P222640] 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), nin<sub>2</sub> (thing), or ninda (bread) and interchangeable GAR, NII<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 𒂔 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-še<sub>3</sub> in Section 4.1.

The same holds for the avoidance of readings of sign sequences; an interoperable encoding of cuneiform 𒀭𒀭𒀭 is achieved by reading it as nunuz uz<sup>mušen</sup> “duck eggs”, and accordingly using the UZ sign, U+122BB 𒌵, whereas 𒀭𒀭𒀭 is read as sila<sub>3</sub> še mušen niga “sila of barley for fattening the birds”, and thus encoded using the sequence (U+122BA 𒀭, U+12137 𒉴). 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 𒉴 or 𒉴, or atomically, like 𒀭 or 𒉴. 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 influence by a Sumerian reading: a few transliterations, primarily those of composite lexical texts, use compound readings such as UZa. 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 𒈗 ŠITA<sub>b3</sub> turns out not to be related to 𒈗 ŠITA, but instead to SILA<sub>x</sub>(LAK636) [Wag16, p. 220]; proto-cuneiform 𒈗 KAB is not the ancestor of cuneiform 𒉴 KAB, but instead that of 𒄑 HUB<sub>2</sub> and 𒄑 TUKU [Wag16, p. 274], a misnomer perhaps attributable to the second millennium 𒄑-𒄑 merger. Similarly, the realisation that in ED cuneiform the signs 𒀭 LAK031 and 𒀭 LAK032 correspond to uri<sub>3</sub>, “standard” and šeš, “brother”, respectively, is reversed in the naming of PC 𒀭 URI<sub>3</sub>-a and 𒀭 ŠEŠ-a and 𒀭 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 𒀭 IM<sub>a</sub> and 𒀭 NI<sub>2</sub> into cuneiform 𒀭 TE, 𒀭 IM, and 𒀭 NI<sub>2</sub>, or [Wag16, p. 220] on the three proto-cuneiform ancestors of 𒄑 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 [Gre82; LV13].

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 by analysis of both personal names and the contexts of the texts that they are written in Sumerian language:

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<sub>2</sub> cannot be classified into E<sub>2</sub>-a, E<sub>2</sub>-b...; furthermore, some signs have no variant, such as DU<sub>8</sub>, 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-a-LU<sub>2</sub>-NU-ŠE<sub>3</sub> or EN-a-GAN-a-GI4-a, it was accordingly more convenient to propose directly Mes-lu<sub>2</sub>-nu-še<sub>3</sub> and En-he<sub>2</sub>-gi<sub>4</sub>. [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 "diplomatics", 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 uninscribed.
- 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<sub>2</sub>-an-še<sub>3</sub>.

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 signary to Sumero-Akkadian Cuneiform.

#### 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.

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

#### 4.1.2 Pcun 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 Pcun and Xsux signs for several reasons. One is that the proposal is a systematic disunification of Pcun 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 Pcun 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 the 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 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 some minor notational inconsistencies.

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 are described and were systematically treated during the creation of PCSL. The individual alignments of sign lists with PCSL are not given here but are available online. The individual sign lists are, however, integrated in the synoptic tabulation of PCSL given in Appendix C.

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

In Appendices A and B are PC25 code charts and a listing of the character repertoire.

## 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 Verwaltungs- texte aus Uruk: Vorderasiatische Museum II*, ATU 6, Berlin 2005.

**ATU7** [EN01]: R.K. Englund and Nissen, H., *Archaische Verwaltungs- texte 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	1257	486	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	1290	498	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	23/152	0/0	23/152	163/5390	91/1536	180/6926	214/15031	106/2481	223/17512
Uruk/idg	19/24	0/0	19/24	874/6761	422/1646	981/8407	1347/25296	622/6210	1422/31506
JN/num	3/3	0/0	3/3	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	451/4243	0/0	451/4243
Umma/num	0/0	0/0	0/0	0/0	0/0	0/0	121/1595	137/3855	167/5450
Umma/idg	0/0	0/0	0/0	0/0	0/0	0/0	387/2305	575/7343	683/9648
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	241/922	0/0	241/922
Misc/num	23/45	18/30	27/75	50/155	2/7	50/162	169/5229	56/749	169/5978
Misc/idg	1/1	1/2	2/3	54/88	21/26	68/114	689/8074	330/1470	776/9544
total	33/200	18/30	34/230	169/5545	91/1543	184/7088	262/24829	163/7085	275/31914
total	19/25	1/2	20/27	883/6849	426/1672	991/8521	1589/40840	915/15023	1775/55863

## 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 projected 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., ABa and ABb. 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.

#### 5.3.4 The Digital List

CDLI-gh 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 Schøyen 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 using to define 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, 157 contain unencoded signs, i.e., 97.62% of texts have no unencoded graphemes.

The total number of instances of graphemes that are included in the encoded repertoire is substantial: of 98055 instances of 2040 graphemes, only 240 instances of 171 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

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 Appendix A and B; the condensed version of the Proto-Cuneiform Sign List, PCSL, is given Appendix C 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 K 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, signary, 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. All of the 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 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

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 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 XXX details exceptional sequences which are proposed for encoding. Appendix YYY outlines implementation details for sequences in PCSL and the accompanying font.

## 6.3 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 signary 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<sub>2</sub> 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 Schøyen Umma material
14. Do not encode broken signs; include them in the PUA instead.

## 6.4 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.

## 6.5 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 XXX 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	𒃩	𒃪	𒃫	𒃬	𒃭	𒃮	𒃯
1	𒃱	𒃲	𒃳	𒃴	𒃵	𒃶	𒃷
2	𒃸	𒃹	𒃺	𒃻	𒃼	𒃽	𒃾
3	𒃿	𒃻	𒃼	𒃽	𒃼	𒃽	𒃾
4	𒃩	𒃶	𒃷	𒃸	𒃹	𒃻	𒃼
5	𒃰	𒃱	𒃲	𒃳	𒃴	𒃵	𒃶
6	𒃪	𒃲	𒃫	𒃬	𒃭	𒃮	𒃯
7	𒃪	𒃲	𒃫	𒃬	𒃭	𒃮	𒃯
8	𒃪	𒃲	𒃫	𒃬	𒃭	𒃮	𒃯
9	𒃪	𒃲	𒃫	𒃬	𒃭	𒃮	𒃯
A	𒃰	𒃰	𒃰	𒃰	𒃰	𒃰	𒃰
B	𒃰	𒃰	𒃰	𒃰	𒃰	𒃰	𒃰
C	𒃪	𒃲	𒃫	𒃬	𒃭	𒃮	𒃯
D	𒃪	𒃰	𒃰	𒃰	𒃰	𒃰	𒃰
E	𒃰	𒃰	𒃰	𒃰	𒃰	𒃰	𒃰
F	𒃰	𒃰	𒃰	𒃰	𒃰	𒃰	𒃰

	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	127A	127B	127C	127D	127E	127F
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6																
7																
8																
9																
A																
B																
C																
D																
E																
F																

	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	128A	128B	128C	128D	128E	128F
0																
12800																
1																
2																
3																
4																
5																
6																
7																
8																
9																
A																
B																
C																
D																
E																
F																

	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																
1																
2																
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4																
5																
6																
7																
8																
9																
A																
B																
C																
D																
E																
F																

	12B0	12B1	12B2	12B3	12B4	12B5	12B6	12B7	12B8	12B9	12BA	12BB	12BC	12BD	12BE	12BF
0																
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## 7.2 Character List

12690		PROTO-CUNEIFORM SIGN A	126C0		PROTO-CUNEIFORM SIGN ARARMA2-A
12691		PROTO-CUNEIFORM SIGN A TIMES EN-A	126C1		PROTO-CUNEIFORM SIGN ASAR
12692		PROTO-CUNEIFORM SIGN A TIMES SHUBUR	126C2		PROTO-CUNEIFORM SIGN AZ
12693		PROTO-CUNEIFORM SIGN A TIMES ZATU672	126C3		PROTO-CUNEIFORM SIGN AZU
12694		PROTO-CUNEIFORM SIGN A TIMES ONE N14	126C4		PROTO-CUNEIFORM SIGN BA
12695		PROTO-CUNEIFORM SIGN A2	126C5		PROTO-CUNEIFORM SIGN BAD
12696		PROTO-CUNEIFORM SIGN AB-A	126C6		PROTO-CUNEIFORM SIGN BAD OVER BAD
12697		PROTO-CUNEIFORM SIGN AB-A TIMES A TENU	126C7		PROTO-CUNEIFORM SIGN BAD3-A
12698		PROTO-CUNEIFORM SIGN AB-A TIMES ASH2	126C8		PROTO-CUNEIFORM SIGN BAD3-B1
12699		PROTO-CUNEIFORM SIGN AB-A TIMES SHE-A OVER SHE-A	126C9		PROTO-CUNEIFORM SIGN BAD3-B2
1269A		PROTO-CUNEIFORM SIGN AB-A TIMES ZATU659	126CA		PROTO-CUNEIFORM SIGN BAHAR2-A
1269B		PROTO-CUNEIFORM SIGN AB-A TIMES ONE N04	126CB		PROTO-CUNEIFORM SIGN BAHAR2-B
1269C		PROTO-CUNEIFORM SIGN AB-A GUNU	126CC		PROTO-CUNEIFORM SIGN BAHAR2-C
1269D		PROTO-CUNEIFORM SIGN AB-B	126CD		PROTO-CUNEIFORM SIGN BALA-A
1269E		PROTO-CUNEIFORM SIGN AB2	126CE		PROTO-CUNEIFORM SIGN BALA-B
1269F		PROTO-CUNEIFORM SIGN AB2 TIMES TWO N14	126CF		PROTO-CUNEIFORM SIGN BALAG
126A0		PROTO-CUNEIFORM SIGN ABZU	126D0		PROTO-CUNEIFORM SIGN BAN-A
126A1		PROTO-CUNEIFORM SIGN AD-A	126D1		PROTO-CUNEIFORM SIGN BAN-B
126A2		PROTO-CUNEIFORM SIGN AD-B	126D2		PROTO-CUNEIFORM SIGN BANSHUR-A
126A3		PROTO-CUNEIFORM SIGN AD-C	126D3		PROTO-CUNEIFORM SIGN BANSHUR-A TENU
126A4		PROTO-CUNEIFORM SIGN ADAB	126D4		PROTO-CUNEIFORM SIGN BANSHUR-B1
126A5		PROTO-CUNEIFORM SIGN ADDA	126D5		PROTO-CUNEIFORM SIGN BANSHUR-B2
126A6		PROTO-CUNEIFORM SIGN AGAR2	126D6		PROTO-CUNEIFORM SIGN BANSHUR-C
126A7		PROTO-CUNEIFORM SIGN AK-A	126D7		PROTO-CUNEIFORM SIGN BAPPIR-A
126A8		PROTO-CUNEIFORM SIGN AK-B	126D8		PROTO-CUNEIFORM SIGN BAPPIR-B
126A9		PROTO-CUNEIFORM SIGN AL	126D9		PROTO-CUNEIFORM SIGN BAPPIR-C
126AA		PROTO-CUNEIFORM SIGN ALAN-A	126DA		PROTO-CUNEIFORM SIGN BAPPIR-D
126AB		PROTO-CUNEIFORM SIGN ALAN-B	126DB		PROTO-CUNEIFORM SIGN BAPPIR-E
126AC		PROTO-CUNEIFORM SIGN ALAN-C	126DC		PROTO-CUNEIFORM SIGN BAPPIR-F
126AD		PROTO-CUNEIFORM SIGN ALAN-E	126DD		PROTO-CUNEIFORM SIGN BAR
126AE		PROTO-CUNEIFORM SIGN ALIM	126DE		PROTO-CUNEIFORM SIGN BARA2-A
126AF		PROTO-CUNEIFORM SIGN AM-A	126DF		PROTO-CUNEIFORM SIGN BARA2-B
126B0		PROTO-CUNEIFORM SIGN AM-B	126E0		PROTO-CUNEIFORM SIGN BARA3
126B1		PROTO-CUNEIFORM SIGN AMA-A	126E1		PROTO-CUNEIFORM SIGN BIR-A
126B2		PROTO-CUNEIFORM SIGN AMA-A TIMES E2-A	126E2		PROTO-CUNEIFORM SIGN BIR-B
126B3		PROTO-CUNEIFORM SIGN AMA-B	126E3		PROTO-CUNEIFORM SIGN BIR-C
126B4		PROTO-CUNEIFORM SIGN AMAR	126E4		PROTO-CUNEIFORM SIGN BIR3-A
126B5		PROTO-CUNEIFORM SIGN AMAR TIMES TAR-C	126E5		PROTO-CUNEIFORM SIGN BIR3-B
126B6		PROTO-CUNEIFORM SIGN AMAR OVER AMAR	126E6		PROTO-CUNEIFORM SIGN BIR3-C
126B7		PROTO-CUNEIFORM SIGN AN	126E7		PROTO-CUNEIFORM SIGN BU-A
126B8		PROTO-CUNEIFORM SIGN ANSHE-A	126E8		PROTO-CUNEIFORM SIGN BU-A JOINING DU6-A
126B9		PROTO-CUNEIFORM SIGN ANSHE-B	126E9		PROTO-CUNEIFORM SIGN BU-A JOINING KI
126BA		PROTO-CUNEIFORM SIGN ANSHE-C	126EA		PROTO-CUNEIFORM SIGN BU-A TIMES A
126BB		PROTO-CUNEIFORM SIGN ANSHE-E	126EB		PROTO-CUNEIFORM SIGN BU-A OVER BU-A NA2-A
126BC		PROTO-CUNEIFORM SIGN ANSHE-F	126EC		PROTO-CUNEIFORM SIGN BU-A NUTILLU
126BD		PROTO-CUNEIFORM SIGN APIN-A	126ED		PROTO-CUNEIFORM SIGN BU-B
126BE		PROTO-CUNEIFORM SIGN APIN-B	126EE		PROTO-CUNEIFORM SIGN BU3
126BF		PROTO-CUNEIFORM SIGN APIN-C	126EF		PROTO-CUNEIFORM SIGN BULUG
			126F0		PROTO-CUNEIFORM SIGN BULUG3
			126F1		PROTO-CUNEIFORM SIGN BUR-A

126F2		PROTO-CUNEIFORM SIGN BUR-B	12722		PROTO-CUNEIFORM SIGN DU6-A TIMES ONE N58
126F3		PROTO-CUNEIFORM SIGN BUR-C	12723		PROTO-CUNEIFORM SIGN DU6-B
126F4		PROTO-CUNEIFORM SIGN BUR-D	12724		PROTO-CUNEIFORM SIGN DU6-C
126F5		PROTO-CUNEIFORM SIGN BUR2	12725		PROTO-CUNEIFORM SIGN DU7
126F6		PROTO-CUNEIFORM SIGN DA-A	12726		PROTO-CUNEIFORM SIGN DU8-A
126F7		PROTO-CUNEIFORM SIGN DA-B	12727		PROTO-CUNEIFORM SIGN DU8-B
126F8		PROTO-CUNEIFORM SIGN DA-C	12728		PROTO-CUNEIFORM SIGN DU8-C
126F9		PROTO-CUNEIFORM SIGN DA-D	12729		PROTO-CUNEIFORM SIGN DU8-C TIMES AB2
126FA		PROTO-CUNEIFORM SIGN DAH	1272A		PROTO-CUNEIFORM SIGN DU8-C TIMES AMAR
126FB		PROTO-CUNEIFORM SIGN DAM	1272B		PROTO-CUNEIFORM SIGN DU8-C TIMES HI
126FC		PROTO-CUNEIFORM SIGN DANNA	1272C		PROTO-CUNEIFORM SIGN DU8-C TIMES UDU-A
126FD		PROTO-CUNEIFORM SIGN DAR-A	1272D		PROTO-CUNEIFORM SIGN DU8-C GUNU
126FE		PROTO-CUNEIFORM SIGN DAR-A TIMES A	1272E		PROTO-CUNEIFORM SIGN DUB-A
126FF		PROTO-CUNEIFORM SIGN DAR-B	1272F		PROTO-CUNEIFORM SIGN DUB-B
12700		PROTO-CUNEIFORM SIGN DAR-C	12730		PROTO-CUNEIFORM SIGN DUB-C
12701		PROTO-CUNEIFORM SIGN DARA3-A	12731		PROTO-CUNEIFORM SIGN DUB-D
12702		PROTO-CUNEIFORM SIGN DARA3-B	12732		PROTO-CUNEIFORM SIGN DUB-E
12703		PROTO-CUNEIFORM SIGN DARA3-C	12733		PROTO-CUNEIFORM SIGN DUB-F
12704		PROTO-CUNEIFORM SIGN DARA3-C TIMES KAR2	12734		PROTO-CUNEIFORM SIGN DUB-H
12705		PROTO-CUNEIFORM SIGN DARA3-C TIMES KAR2 PLUS SHE-A	12735		PROTO-CUNEIFORM SIGN DUB NUTILLU-A TIMES ONE N58 FORM A
12706		PROTO-CUNEIFORM SIGN DARA3-D	12736		PROTO-CUNEIFORM SIGN DUB NUTILLU-A TIMES ONE N58 FORM B
12707		PROTO-CUNEIFORM SIGN DARA3-D TIMES KAR2 PLUS SHE-A	12737		PROTO-CUNEIFORM SIGN DUB NUTILLU-B TIMES ONE N58-A
12708		PROTO-CUNEIFORM SIGN DARA3-D TIMES KAR2-B	12738		PROTO-CUNEIFORM SIGN DUB2
12709		PROTO-CUNEIFORM SIGN DARA4-A1	12739		PROTO-CUNEIFORM SIGN DUG-A
1270A		PROTO-CUNEIFORM SIGN DARA4-A2	1273A		PROTO-CUNEIFORM SIGN DUG-A TIMES KU6-A
1270B		PROTO-CUNEIFORM SIGN DARA4-A3	1273B		PROTO-CUNEIFORM SIGN DUG-A TIMES NAGA-A
1270C		PROTO-CUNEIFORM SIGN DARA4-B	1273C		PROTO-CUNEIFORM SIGN DUG-A TIMES U2-A
1270D		PROTO-CUNEIFORM SIGN DARA4-C	1273D		PROTO-CUNEIFORM SIGN DUG-A TIMES U2-B
1270E		PROTO-CUNEIFORM SIGN DARA4-C1	1273E		PROTO-CUNEIFORM SIGN DUG-A TIMES ONE N57
1270F		PROTO-CUNEIFORM SIGN DARA4-C2	1273F		PROTO-CUNEIFORM SIGN DUG-B
12710		PROTO-CUNEIFORM SIGN DARA4-C3	12740		PROTO-CUNEIFORM SIGN DUG-B TIMES AB2
12711		PROTO-CUNEIFORM SIGN DARA4-C4	12741		PROTO-CUNEIFORM SIGN DUG-B TIMES ANSHE-B
12712		PROTO-CUNEIFORM SIGN DARA4-C5	12742		PROTO-CUNEIFORM SIGN DUG-B TIMES ANSHE-D
12713		PROTO-CUNEIFORM SIGN DARA4-D	12743		PROTO-CUNEIFORM SIGN DUG-B TIMES BALA-A
12714		PROTO-CUNEIFORM SIGN DI	12744		PROTO-CUNEIFORM SIGN DUG-B TIMES BIR3-C
12715		PROTO-CUNEIFORM SIGN DI TENU	12745		PROTO-CUNEIFORM SIGN DUG-B TIMES DIN
12716		PROTO-CUNEIFORM SIGN DIB	12746		PROTO-CUNEIFORM SIGN DUG-B TIMES DIN REVERSED
12717		PROTO-CUNEIFORM SIGN DILMUN	12747		PROTO-CUNEIFORM SIGN DUG-B TIMES GA-A
12718		PROTO-CUNEIFORM SIGN DIM-A	12748		PROTO-CUNEIFORM SIGN DUG-B TIMES GA-B
12719		PROTO-CUNEIFORM SIGN DIM-B	12749		PROTO-CUNEIFORM SIGN DUG-B TIMES GESHTU-A
1271A		PROTO-CUNEIFORM SIGN DIM-C	1274A		PROTO-CUNEIFORM SIGN DUG-B TIMES GESHTU-B
1271B		PROTO-CUNEIFORM SIGN DIN	1274B		PROTO-CUNEIFORM SIGN DUG-B TIMES GI6
1271C		PROTO-CUNEIFORM SIGN DIN TIMES ONE N58	1274C		PROTO-CUNEIFORM SIGN DUG-B TIMES GISH
1271D		PROTO-CUNEIFORM SIGN DIN TENU	1274D		PROTO-CUNEIFORM SIGN DUG-B TIMES HI
1271E		PROTO-CUNEIFORM SIGN DU	1274E		PROTO-CUNEIFORM SIGN DUG-B TIMES HI GUNU-A
1271F		PROTO-CUNEIFORM SIGN DU TIMES ONE N58 TENU	1274F		PROTO-CUNEIFORM SIGN DUG-B TIMES KASKAL
12720		PROTO-CUNEIFORM SIGN DU GUNU	12750		PROTO-CUNEIFORM SIGN DUG-B TIMES KU6-A
12721		PROTO-CUNEIFORM SIGN DU6-A			

12751		PROTO-CUNEIFORM SIGN DUG-B TIMES KUR-A	1277C		PROTO-CUNEIFORM SIGN E-A
12752		PROTO-CUNEIFORM SIGN DUG-B TIMES KUR-B	1277D		PROTO-CUNEIFORM SIGN E-B
12753		PROTO-CUNEIFORM SIGN DUG-B TIMES KUR GUNU-A	1277E		PROTO-CUNEIFORM SIGN E-C
12754		PROTO-CUNEIFORM SIGN DUG-B TIMES LAM-A	1277F		PROTO-CUNEIFORM SIGN E2-A
12755		PROTO-CUNEIFORM SIGN DUG-B TIMES MASH	12780		PROTO-CUNEIFORM SIGN E2-A TIMES ONE N58 TENU
12756		PROTO-CUNEIFORM SIGN DUG-B TIMES NAGA-A	12781		PROTO-CUNEIFORM SIGN E2-B
12757		PROTO-CUNEIFORM SIGN DUG-B TIMES NAM2	12782		PROTO-CUNEIFORM SIGN E2-B TIMES ONE N58 TENU
12758		PROTO-CUNEIFORM SIGN DUG-B TIMES SA-A	12783		PROTO-CUNEIFORM SIGN E2-C
12759		PROTO-CUNEIFORM SIGN DUG-B TIMES SA-A PLUS GI	12784		PROTO-CUNEIFORM SIGN E2-D
1275A		PROTO-CUNEIFORM SIGN DUG-B TIMES SI4-A	12785		PROTO-CUNEIFORM SIGN E3-B
1275B		PROTO-CUNEIFORM SIGN DUG-B TIMES SIG2-A1	12786		PROTO-CUNEIFORM SIGN EDIN
1275C		PROTO-CUNEIFORM SIGN DUG-B TIMES SIG2-A2	12787		PROTO-CUNEIFORM SIGN EN-A
1275D		PROTO-CUNEIFORM SIGN DUG-B TIMES SIG7	12788		PROTO-CUNEIFORM SIGN EN-B
1275E		PROTO-CUNEIFORM SIGN DUG-B TIMES SUHUR	12789		PROTO-CUNEIFORM SIGN EN-B TENU
1275F		PROTO-CUNEIFORM SIGN DUG-B TIMES SHAH2-A	1278A		PROTO-CUNEIFORM SIGN EN-C
12760		PROTO-CUNEIFORM SIGN DUG-B TIMES SHE-A	1278B		PROTO-CUNEIFORM SIGN EN GUNU-A
12761		PROTO-CUNEIFORM SIGN DUG-B TIMES SHE-A PLUS NAM2	1278C		PROTO-CUNEIFORM SIGN EN GUNU-B
12762		PROTO-CUNEIFORM SIGN DUG-B TIMES TAK4-A	1278D		PROTO-CUNEIFORM SIGN EN2
12763		PROTO-CUNEIFORM SIGN DUG-B TIMES TAK4-A PLUS SA-A	1278E		PROTO-CUNEIFORM SIGN ERIM-A
12764		PROTO-CUNEIFORM SIGN DUG-B TIMES TAK4-A PLUS SAL	1278F		PROTO-CUNEIFORM SIGN ERIM-B1
12765		PROTO-CUNEIFORM SIGN DUG-B TIMES TI	12790		PROTO-CUNEIFORM SIGN ERIM-B2
12766		PROTO-CUNEIFORM SIGN DUG-B TIMES U2-A	12791		PROTO-CUNEIFORM SIGN ERIN
12767		PROTO-CUNEIFORM SIGN DUG-B TIMES U2-B	12792		PROTO-CUNEIFORM SIGN ESHDA
12768		PROTO-CUNEIFORM SIGN DUG-B TIMES UDU-A TIMES TAR-B	12793		PROTO-CUNEIFORM SIGN ESHDA TIMES TAR-A
12769		PROTO-CUNEIFORM SIGN DUG-B TIMES UH3-A	12794		PROTO-CUNEIFORM SIGN ESHGAR
1276A		PROTO-CUNEIFORM SIGN DUG-B TIMES UH3-A TENU	12795		PROTO-CUNEIFORM SIGN EZEN-A
1276B		PROTO-CUNEIFORM SIGN DUG-B TIMES ZATU764	12796		PROTO-CUNEIFORM SIGN EZEN-A TIMES EN-B
1276C		PROTO-CUNEIFORM SIGN DUG-B TIMES ZATU779	12797		PROTO-CUNEIFORM SIGN EZEN-A TIMES HI TIMES ONE N57 PLUS AN
1276D		PROTO-CUNEIFORM SIGN DUG-B TIMES ZATU780	12798		PROTO-CUNEIFORM SIGN EZEN-A TIMES KAB
1276E		PROTO-CUNEIFORM SIGN DUG-B TIMES ZATU781	12799		PROTO-CUNEIFORM SIGN EZEN-A TIMES KASH-B
1276F		PROTO-CUNEIFORM SIGN DUG-B TIMES ZATU789 PLUS SA-A	1279A		PROTO-CUNEIFORM SIGN EZEN-A TIMES KI
12770		PROTO-CUNEIFORM SIGN DUG-B TIMES ONE N57	1279B		PROTO-CUNEIFORM SIGN EZEN-A TIMES NIM-B2
12771		PROTO-CUNEIFORM SIGN DUG-B TIMES ONE N57 PLUS KU3-A	1279C		PROTO-CUNEIFORM SIGN EZEN-A TIMES NIMGIR
12772		PROTO-CUNEIFORM SIGN DUG-B TIMES ONE N58	1279D		PROTO-CUNEIFORM SIGN EZEN-A TIMES RAD-A
12773		PROTO-CUNEIFORM SIGN DUG-B OVER DUG-B TIMES ONE N58	1279E		PROTO-CUNEIFORM SIGN EZEN-A TIMES SU-A
12774		PROTO-CUNEIFORM SIGN DUG-C	1279F		PROTO-CUNEIFORM SIGN EZEN-A TIMES U2-B PLUS A
12775		PROTO-CUNEIFORM SIGN DUG-C TIMES ONE N57	127A0		PROTO-CUNEIFORM SIGN EZEN-A TIMES U4
12776		PROTO-CUNEIFORM SIGN DUG-C TENU	127A1		PROTO-CUNEIFORM SIGN EZEN-B
12777		PROTO-CUNEIFORM SIGN DUG-D	127A2		PROTO-CUNEIFORM SIGN EZEN-B TIMES SHE-A TENU
12778		PROTO-CUNEIFORM SIGN DUGUD	127A3		PROTO-CUNEIFORM SIGN EZEN-B TIMES SIX N57
12779		PROTO-CUNEIFORM SIGN DUR-A	127A4		PROTO-CUNEIFORM SIGN EZEN-B TENU
1277A		PROTO-CUNEIFORM SIGN DUR-B	127A5		PROTO-CUNEIFORM SIGN EZINU-A
1277B		PROTO-CUNEIFORM SIGN DUR2	127A6		PROTO-CUNEIFORM SIGN EZINU-B
			127A7		PROTO-CUNEIFORM SIGN EZINU-C
			127A8		PROTO-CUNEIFORM SIGN EZINU-D

127A9		PROTO-CUNEIFORM SIGN GA-A	127D8		PROTO-CUNEIFORM SIGN GAAR-A1
127AA		PROTO-CUNEIFORM SIGN GA-B	127D9		PROTO-CUNEIFORM SIGN GAAR-A2
127AB		PROTO-CUNEIFORM SIGN GA-C	127DA		PROTO-CUNEIFORM SIGN GAAR-B1
127AC		PROTO-CUNEIFORM SIGN GA-C TIMES KASKAL	127DB		PROTO-CUNEIFORM SIGN GAAR-B2
127AD		PROTO-CUNEIFORM SIGN GA-C TIMES ONE N14	127DC		PROTO-CUNEIFORM SIGN GADA-A
127AE		PROTO-CUNEIFORM SIGN GA2-A1	127DD		PROTO-CUNEIFORM SIGN GADA-B GUNU
127AF		PROTO-CUNEIFORM SIGN GA2-A1 TIMES A	127DE		PROTO-CUNEIFORM SIGN GAL-A
127B0		PROTO-CUNEIFORM SIGN GA2-A1 TIMES E2-A	127DF		PROTO-CUNEIFORM SIGN GAL-B
127B1		PROTO-CUNEIFORM SIGN GA2-A1 TIMES EN-B	127E0		PROTO-CUNEIFORM SIGN GALGA-A
127B2		PROTO-CUNEIFORM SIGN GA2-A1 TIMES GESHTU-A	127E1		PROTO-CUNEIFORM SIGN GAN-A
127B3		PROTO-CUNEIFORM SIGN GA2-A1 TIMES GESHTU-C3	127E2		PROTO-CUNEIFORM SIGN GAN-B
127B4		PROTO-CUNEIFORM SIGN GA2-A1 TIMES GESHTU-C5	127E3		PROTO-CUNEIFORM SIGN GAN-C
127B5		PROTO-CUNEIFORM SIGN GA2-A1 TIMES GIR-A	127E4		PROTO-CUNEIFORM SIGN GAN-C TIMES DIN
127B6		PROTO-CUNEIFORM SIGN GA2-A1 TIMES GIR-A PLUS KU6-A	127E5		PROTO-CUNEIFORM SIGN GAN-C TIMES HI
127B7		PROTO-CUNEIFORM SIGN GA2-A1 TIMES GISH TENU	127E6		PROTO-CUNEIFORM SIGN GAN-C TIMES HI PLUS DIN
127B8		PROTO-CUNEIFORM SIGN GA2-A1 TIMES HAL	127E7		PROTO-CUNEIFORM SIGN GAN-C TIMES KASH-C
127B9		PROTO-CUNEIFORM SIGN GA2-A1 TIMES HI	127E8		PROTO-CUNEIFORM SIGN GAN-C TIMES KUR-A PLUS A
127BA		PROTO-CUNEIFORM SIGN GA2-A1 TIMES KU3-A	127E9		PROTO-CUNEIFORM SIGN GAN-C TIMES LAGAB-B
127BB		PROTO-CUNEIFORM SIGN GA2-A1 TIMES KU6-A	127EA		PROTO-CUNEIFORM SIGN GAN-C TIMES SIG7
127BC		PROTO-CUNEIFORM SIGN GA2-A1 TIMES KU6-A JOINING KU6-A	127EB		PROTO-CUNEIFORM SIGN GAN-C TIMES ZATU777
127BD		PROTO-CUNEIFORM SIGN GA2-A1 TIMES LAGAB-B	127EC		PROTO-CUNEIFORM SIGN GAN-C TIMES FOUR N57 PLUS GAR
127BE		PROTO-CUNEIFORM SIGN GA2-A1 TIMES MASH	127ED		PROTO-CUNEIFORM SIGN GAN-D TIMES GESHTU-A
127BF		PROTO-CUNEIFORM SIGN GA2-A1 TIMES PAD-B	127EE		PROTO-CUNEIFORM SIGN GAN2
127C0		PROTO-CUNEIFORM SIGN GA2-A1 TIMES PAP-A	127EF		PROTO-CUNEIFORM SIGN GAR
127C1		PROTO-CUNEIFORM SIGN GA2-A1 TIMES SU-A	127F0		PROTO-CUNEIFORM SIGN GAR GUNU-A
127C2		PROTO-CUNEIFORM SIGN GA2-A1 TIMES SUHUR	127F1		PROTO-CUNEIFORM SIGN GAR GUNU-B
127C3		PROTO-CUNEIFORM SIGN GA2-A1 TIMES SUKUD	127F2		PROTO-CUNEIFORM SIGN GAR GUNU-C
127C4		PROTO-CUNEIFORM SIGN GA2-A1 TIMES SUMASH	127F3		PROTO-CUNEIFORM SIGN GAR3
127C5		PROTO-CUNEIFORM SIGN GA2-A1 TIMES SHA	127F4		PROTO-CUNEIFORM SIGN GARA2-A
127C6		PROTO-CUNEIFORM SIGN GA2-A1 TIMES TI	127F5		PROTO-CUNEIFORM SIGN GAZI
127C7		PROTO-CUNEIFORM SIGN GA2-A1 TIMES U4	127F6		PROTO-CUNEIFORM SIGN GESHTIN-A
127C8		PROTO-CUNEIFORM SIGN GA2-A1 TIMES ONE N14	127F7		PROTO-CUNEIFORM SIGN GESHTIN-D
127C9		PROTO-CUNEIFORM SIGN GA2-A1 TIMES ONE N57	127F8		PROTO-CUNEIFORM SIGN GESHTIN-E
127CA		PROTO-CUNEIFORM SIGN GA2-A2	127F9		PROTO-CUNEIFORM SIGN GESHTU-A
127CB		PROTO-CUNEIFORM SIGN GA2-A2 TIMES GU4	127FA		PROTO-CUNEIFORM SIGN GESHTU-A TIMES SHE-A TENU
127CC		PROTO-CUNEIFORM SIGN GA2-A2 TIMES NI-A	127FB		PROTO-CUNEIFORM SIGN GESHTU-B
127CD		PROTO-CUNEIFORM SIGN GA2-A2 TIMES SUHUR	127FC		PROTO-CUNEIFORM SIGN GESHTU-C3
127CE		PROTO-CUNEIFORM SIGN GA2-A2 TIMES SHE3	127FD		PROTO-CUNEIFORM SIGN GESHTU-C5
127CF		PROTO-CUNEIFORM SIGN GA2-A2 TIMES SHE3 PLUS GU4	127FE		PROTO-CUNEIFORM SIGN GI
127D0		PROTO-CUNEIFORM SIGN GA2-A3	127FF		PROTO-CUNEIFORM SIGN GI TIMES A
127D1		PROTO-CUNEIFORM SIGN GA2-A4	12800		PROTO-CUNEIFORM SIGN GI TIMES GISH TENU
127D2		PROTO-CUNEIFORM SIGN GA2-B	12801		PROTO-CUNEIFORM SIGN GI TIMES KU-B1
127D3		PROTO-CUNEIFORM SIGN GA2-B TIMES DUB-A	12802		PROTO-CUNEIFORM SIGN GI TIMES LAGAB-A
127D4		PROTO-CUNEIFORM SIGN GA2-B TIMES DUB-B	12803		PROTO-CUNEIFORM SIGN GI TIMES NAM2
127D5		PROTO-CUNEIFORM SIGN GA2-B TIMES KU6-A	12804		PROTO-CUNEIFORM SIGN GI TIMES SIG2-D1
127D6		PROTO-CUNEIFORM SIGN GA2-B TIMES ZATU659	12805		PROTO-CUNEIFORM SIGN GI TIMES SHE3
127D7		PROTO-CUNEIFORM SIGN GA2-C	12806		PROTO-CUNEIFORM SIGN GI TIMES ONE N14
			12807		PROTO-CUNEIFORM SIGN GI TIMES ONE N58 TENU

12808		PROTO-CUNEIFORM SIGN GI OVER GI	12835		PROTO-CUNEIFORM SIGN GU7
12809		PROTO-CUNEIFORM SIGN GI OVER GI TIMES GISH TENU	12836		PROTO-CUNEIFORM SIGN GUB3-A
1280A		PROTO-CUNEIFORM SIGN GI OVER GI OVER GI	12837		PROTO-CUNEIFORM SIGN GUB3-B
1280B		PROTO-CUNEIFORM SIGN GI TENU	12838		PROTO-CUNEIFORM SIGN GUB3-C
1280C		PROTO-CUNEIFORM SIGN GI4-A	12839		PROTO-CUNEIFORM SIGN GUB3-D
1280D		PROTO-CUNEIFORM SIGN GI4-A TIMES A	1283A		PROTO-CUNEIFORM SIGN GUG2
1280E		PROTO-CUNEIFORM SIGN GI4-B	1283B		PROTO-CUNEIFORM SIGN GUG2 TIMES SILA3-A
1280F		PROTO-CUNEIFORM SIGN GI4-B OVER GI4-B	1283C		PROTO-CUNEIFORM SIGN GUG2 TIMES TUR
12810		PROTO-CUNEIFORM SIGN GI6	1283D		PROTO-CUNEIFORM SIGN GUUKKAL-A
12811		PROTO-CUNEIFORM SIGN GIBIL	1283E		PROTO-CUNEIFORM SIGN GUUKKAL-B
12812		PROTO-CUNEIFORM SIGN GIR-A	12840		PROTO-CUNEIFORM SIGN GUUKKAL-C
12813		PROTO-CUNEIFORM SIGN GIR-B	12841		PROTO-CUNEIFORM SIGN GUL
12814		PROTO-CUNEIFORM SIGN GIR-C	12842		PROTO-CUNEIFORM SIGN GUM-A
12815		PROTO-CUNEIFORM SIGN GIR2-A	12843		PROTO-CUNEIFORM SIGN GUM-B
12816		PROTO-CUNEIFORM SIGN GIR3-A	12844		PROTO-CUNEIFORM SIGN GUM-B NUTILLU
12817		PROTO-CUNEIFORM SIGN GIR3-A TIMES SHE-B	12845		PROTO-CUNEIFORM SIGN GUN3-A
12818		PROTO-CUNEIFORM SIGN GIR3-B	12846		PROTO-CUNEIFORM SIGN GUN3-B
12819		PROTO-CUNEIFORM SIGN GIR3-C	12847		PROTO-CUNEIFORM SIGN GURUSH-A
1281A		PROTO-CUNEIFORM SIGN GIR3-C TIMES SHE3	12848		PROTO-CUNEIFORM SIGN GURUSH-A TIMES TWO N14
1281B		PROTO-CUNEIFORM SIGN GIR3 GUNU-A	1284A		PROTO-CUNEIFORM SIGN GURUSH-B
1281C		PROTO-CUNEIFORM SIGN GIR3 GUNU-B	1284B		PROTO-CUNEIFORM SIGN GURUSH-B TIMES TWO N14
1281D		PROTO-CUNEIFORM SIGN GIR3 GUNU-C	1284C		PROTO-CUNEIFORM SIGN GURUSH-C TIMES TWO N14
1281E		PROTO-CUNEIFORM SIGN GISAL-A	1284D		PROTO-CUNEIFORM SIGN GURUSHDA
1281F		PROTO-CUNEIFORM SIGN GISAL-B	1284E		PROTO-CUNEIFORM SIGN HAL
12820		PROTO-CUNEIFORM SIGN GISH	1284F		PROTO-CUNEIFORM SIGN HALUB
12821		PROTO-CUNEIFORM SIGN GISH TIMES DIN PLUS DIN FORM A	12850		PROTO-CUNEIFORM SIGN HASHHUR
12822		PROTO-CUNEIFORM SIGN GISH TIMES DIN PLUS DIN FORM B	12851		PROTO-CUNEIFORM SIGN HASHHUR TIMES MA
12823		PROTO-CUNEIFORM SIGN GISH TIMES DIN PLUS DIN FORM C	12852		PROTO-CUNEIFORM SIGN HI
12824		PROTO-CUNEIFORM SIGN GISH TIMES SHU2	12853		PROTO-CUNEIFORM SIGN HI TIMES ONE N57
12825		FORM A PROTO-CUNEIFORM SIGN GISH TIMES SHU2 FORM B	12854		PROTO-CUNEIFORM SIGN HI TIMES ONE N57 TENU
12826		PROTO-CUNEIFORM SIGN GISH TENU	12855		PROTO-CUNEIFORM SIGN HI GUNU-A
12827		PROTO-CUNEIFORM SIGN GISH3-A	12856		PROTO-CUNEIFORM SIGN HI GUNU-B
12828		PROTO-CUNEIFORM SIGN GISH3-A OVER GISH3-A	12857		PROTO-CUNEIFORM SIGN HI GUNU-C
12829		PROTO-CUNEIFORM SIGN GISH3-B	12858		PROTO-CUNEIFORM SIGN I
1282A		PROTO-CUNEIFORM SIGN GISHGAL	12859		PROTO-CUNEIFORM SIGN IB-A
1282B		PROTO-CUNEIFORM SIGN GISHIMMAR-A1	1285A		PROTO-CUNEIFORM SIGN IB-A NUTILLU
1282C		PROTO-CUNEIFORM SIGN GISHIMMAR-A2	1285B		PROTO-CUNEIFORM SIGN IB-B
1282D		PROTO-CUNEIFORM SIGN GISHIMMAR-A3	1285C		PROTO-CUNEIFORM SIGN IB-C
1282E		PROTO-CUNEIFORM SIGN GISHIMMAR-B1	1285D		PROTO-CUNEIFORM SIGN IDIGNA
1282F		PROTO-CUNEIFORM SIGN GISHIMMAR-B2	1285E		PROTO-CUNEIFORM SIGN IG-A
12830		PROTO-CUNEIFORM SIGN GISHIMMAR-B3	1285F		PROTO-CUNEIFORM SIGN IG-B
12831		PROTO-CUNEIFORM SIGN GU	12860		PROTO-CUNEIFORM SIGN IL
12832		PROTO-CUNEIFORM SIGN GU2	12861		PROTO-CUNEIFORM SIGN IM-A
12833		PROTO-CUNEIFORM SIGN GU4 GUNU	12862		PROTO-CUNEIFORM SIGN IM-B
12834		PROTO-CUNEIFORM SIGN GU4 GUNU	12863		PROTO-CUNEIFORM SIGN IN-B
			12864		PROTO-CUNEIFORM SIGN IN-D

12865		PROTO-CUNEIFORM SIGN IR-A	12897		PROTO-CUNEIFORM SIGN KIN2-C
12866		PROTO-CUNEIFORM SIGN IR-B	12898		PROTO-CUNEIFORM SIGN KIN2-D
12867		PROTO-CUNEIFORM SIGN IR-C	12899		PROTO-CUNEIFORM SIGN KIN2-E
12868		PROTO-CUNEIFORM SIGN IR-D	1289A		PROTO-CUNEIFORM SIGN KISAL-A1
12869		PROTO-CUNEIFORM SIGN ISH-A	1289B		PROTO-CUNEIFORM SIGN KISAL-B1
1286A		PROTO-CUNEIFORM SIGN ISH-B	1289C		PROTO-CUNEIFORM SIGN KISAL-B2
1286B		PROTO-CUNEIFORM SIGN ISH-C	1289D		PROTO-CUNEIFORM SIGN KISAL-B2 TENU
1286C		PROTO-CUNEIFORM SIGN KA-A	1289E		PROTO-CUNEIFORM SIGN KISAL-B3
1286D		PROTO-CUNEIFORM SIGN KA-A TIMES SAR-A	1289F		PROTO-CUNEIFORM SIGN KISIM-A
1286E		PROTO-CUNEIFORM SIGN KA2-A	128A0		PROTO-CUNEIFORM SIGN KISIM-B
1286F		PROTO-CUNEIFORM SIGN KA2-B	128A1		PROTO-CUNEIFORM SIGN KISIM-C
12870		PROTO-CUNEIFORM SIGN KA2-D TIMES LAM-B	128A2		PROTO-CUNEIFORM SIGN KISH
12871		PROTO-CUNEIFORM SIGN KAB	128A3		PROTO-CUNEIFORM SIGN KISHIK-A
12872		PROTO-CUNEIFORM SIGN KAD4-A	128A4		PROTO-CUNEIFORM SIGN KISHIK-B
12873		PROTO-CUNEIFORM SIGN KAD4-B	128A5		PROTO-CUNEIFORM SIGN KITI
12874		PROTO-CUNEIFORM SIGN KAK-A	128A6		PROTO-CUNEIFORM SIGN KU-A
12875		PROTO-CUNEIFORM SIGN KAK-B	128A7		PROTO-CUNEIFORM SIGN KU-B1
12876		PROTO-CUNEIFORM SIGN KAL-A	128A8		PROTO-CUNEIFORM SIGN KU-B2
12877		PROTO-CUNEIFORM SIGN KAL-B1	128A9		PROTO-CUNEIFORM SIGN KU3-A
12878		PROTO-CUNEIFORM SIGN KAL-B2	128AA		PROTO-CUNEIFORM SIGN KU3-C
12879		PROTO-CUNEIFORM SIGN KALAM-A	128AB		PROTO-CUNEIFORM SIGN KU6-A
1287A		PROTO-CUNEIFORM SIGN KALAM-B	128AC		PROTO-CUNEIFORM SIGN KU6-A JOINING KU6-A
1287B		PROTO-CUNEIFORM SIGN KALAM-C	128AD		PROTO-CUNEIFORM SIGN KU6-C
1287C		PROTO-CUNEIFORM SIGN KALAM-D	128AE		PROTO-CUNEIFORM SIGN KU6-D
1287D		PROTO-CUNEIFORM SIGN KALAM-E	128AF		PROTO-CUNEIFORM SIGN KUR-A
1287E		PROTO-CUNEIFORM SIGN KALAM-F	128B0		PROTO-CUNEIFORM SIGN KUR-B
1287F		PROTO-CUNEIFORM SIGN KALAM-G	128B1		PROTO-CUNEIFORM SIGN KUR-C
12880		PROTO-CUNEIFORM SIGN KALAM-H	128B2		PROTO-CUNEIFORM SIGN KUR GUNU-A
12881		PROTO-CUNEIFORM SIGN KALAM-H2	128B3		PROTO-CUNEIFORM SIGN KUR GUNU-B
12882		PROTO-CUNEIFORM SIGN KAR2-A	128B4		PROTO-CUNEIFORM SIGN KUSHU2-A
12883		PROTO-CUNEIFORM SIGN KAR2-B	128B5		PROTO-CUNEIFORM SIGN KUSHU2-B
12884		PROTO-CUNEIFORM SIGN KASKAL	128B6		PROTO-CUNEIFORM SIGN KUSHU2-C
12885		PROTO-CUNEIFORM SIGN KASH-A	128B7		PROTO-CUNEIFORM SIGN KUSHU2-D
12886		PROTO-CUNEIFORM SIGN KASH-B	128B8		PROTO-CUNEIFORM SIGN KUSHU2-E
12887		PROTO-CUNEIFORM SIGN KASH-B TIMES SHE-A	128B9		PROTO-CUNEIFORM SIGN KUSHU2-F
		TENU	128BA		PROTO-CUNEIFORM SIGN LA-B
12888		PROTO-CUNEIFORM SIGN KASH-C	128BB		PROTO-CUNEIFORM SIGN LA-D
12889		PROTO-CUNEIFORM SIGN KASH-D	128BC		PROTO-CUNEIFORM SIGN LA2
1288A		PROTO-CUNEIFORM SIGN KI	128BD		PROTO-CUNEIFORM SIGN LAGAB-A
1288B		PROTO-CUNEIFORM SIGN KI NUTILLU	128BE		PROTO-CUNEIFORM SIGN LAGAB-A TIMES DU6-A
1288C		PROTO-CUNEIFORM SIGN KI NUTILLU TIMES DUB-A	128BF		PROTO-CUNEIFORM SIGN LAGAB-A TIMES KU6-A
			128C0		PROTO-CUNEIFORM SIGN LAGAB-A TIMES JOINING KU6-A
1288D		PROTO-CUNEIFORM SIGN KIB	128C1		PROTO-CUNEIFORM SIGN LAGAB-A TIMES KUSHU2-A TENU
1288E		PROTO-CUNEIFORM SIGN KIB GUNU	128C2		PROTO-CUNEIFORM SIGN LAGAB-A TIMES ME-A
1288F		PROTO-CUNEIFORM SIGN KID-A	128C3		PROTO-CUNEIFORM SIGN LAGAB-A TIMES NUN-B
12890		PROTO-CUNEIFORM SIGN KID-B	128C4		PROTO-CUNEIFORM SIGN LAGAB-A TIMES PA-A
12891		PROTO-CUNEIFORM SIGN KID-C	128C5		PROTO-CUNEIFORM SIGN LAGAB-A TIMES SIG7
12892		PROTO-CUNEIFORM SIGN KID-D	128C6		PROTO-CUNEIFORM SIGN LAGAB-A TIMES SU-A
12893		PROTO-CUNEIFORM SIGN KID-E			
12894		PROTO-CUNEIFORM SIGN KIN			
12895		PROTO-CUNEIFORM SIGN KIN2-A			
12896		PROTO-CUNEIFORM SIGN KIN2-B			

128C7		PROTO-CUNEIFORM SIGN LAGAB-A TIMES SHA	128F4		PROTO-CUNEIFORM SIGN MAH-A TIMES TUG2-A
128C8		PROTO-CUNEIFORM SIGN LAGAB-A TIMES SHITA-A1	128F5		PROTO-CUNEIFORM SIGN MAH-A TIMES TUN3-C
128C9		PROTO-CUNEIFORM SIGN LAGAB-A TIMES TI	128F6		PROTO-CUNEIFORM SIGN MAH-A TIMES UDU-A
128CA		PROTO-CUNEIFORM SIGN LAGAB-A TIMES U4	128F7		PROTO-CUNEIFORM SIGN MAH-A TIMES UR-A
128CB		PROTO-CUNEIFORM SIGN LAGAB-A TIMES UB	128F8		PROTO-CUNEIFORM SIGN MAH-A TIMES UTUA-A
128CC		PROTO-CUNEIFORM SIGN LAGAB-A TIMES ZATU753	128F9		PROTO-CUNEIFORM SIGN MAH-A TIMES ZATU659
128CD		PROTO-CUNEIFORM SIGN LAGAB-A TIMES TWO N14	128FA		PROTO-CUNEIFORM SIGN MAH-B
128CE		PROTO-CUNEIFORM SIGN LAGAB-A TIMES ONE N58	128FB		PROTO-CUNEIFORM SIGN MAH-B TIMES NA-A
128CF		PROTO-CUNEIFORM SIGN LAGAB-B	128FC		PROTO-CUNEIFORM SIGN MAH-B TIMES SAL
128D0		PROTO-CUNEIFORM SIGN LAGAB-B TIMES HI	128FE		PROTO-CUNEIFORM SIGN MAR-A
128D1		PROTO-CUNEIFORM SIGN LAGAB-B TIMES KUR-E	128FF		PROTO-CUNEIFORM SIGN MAR-A GUNU
128D2		PROTO-CUNEIFORM SIGN LAGAB-B TIMES PA-A	12900		PROTO-CUNEIFORM SIGN MAR-A TENU
128D3		PROTO-CUNEIFORM SIGN LAGAB-B TIMES U4	12901		PROTO-CUNEIFORM SIGN MAR-B
128D4		PROTO-CUNEIFORM SIGN LAGAB-B OVER LAGAB-B	12902		PROTO-CUNEIFORM SIGN MAR-B TIMES GAR
128D5		PROTO-CUNEIFORM SIGN LAGAR-A	12903		PROTO-CUNEIFORM SIGN MAR-B TIMES LAGAB-B
128D6		PROTO-CUNEIFORM SIGN LAGAR-A REVERSED	12904		PLUS SHE3
128D7		PROTO-CUNEIFORM SIGN LAGAR-B1	12905		PROTO-CUNEIFORM SIGN MAR-B TIMES SHE-A
128D8		PROTO-CUNEIFORM SIGN LAGAR-B2	12906		PROTO-CUNEIFORM SIGN MASH
128D9		PROTO-CUNEIFORM SIGN LAGAR-C	12907		PROTO-CUNEIFORM SIGN MASH2
128DA		PROTO-CUNEIFORM SIGN LAL2-A	12908		PROTO-CUNEIFORM SIGN ME-A
128DB		PROTO-CUNEIFORM SIGN LAL2-A TIMES NAGA-A	12909		PROTO-CUNEIFORM SIGN ME-B
128DC		PROTO-CUNEIFORM SIGN LAL2-A TIMES NIM-B2	1290A		PROTO-CUNEIFORM SIGN ME3
128DD		PROTO-CUNEIFORM SIGN LAL2-B	1290B		PROTO-CUNEIFORM SIGN MEN-A
128DE		PROTO-CUNEIFORM SIGN LAL3-A	1290C		PROTO-CUNEIFORM SIGN MEN-B
128DF		PROTO-CUNEIFORM SIGN LAL3-B	1290D		PROTO-CUNEIFORM SIGN MES
128E0		PROTO-CUNEIFORM SIGN LAM-A	1290E		PROTO-CUNEIFORM SIGN MIR-A
128E1		PROTO-CUNEIFORM SIGN LAM-B	1290F		PROTO-CUNEIFORM SIGN MIR-B
128E2		PROTO-CUNEIFORM SIGN LAM-B REVERSED	12910		PROTO-CUNEIFORM SIGN MU
128E3		PROTO-CUNEIFORM SIGN LAM-B TENU	12911		PROTO-CUNEIFORM SIGN MUD
128E4		PROTO-CUNEIFORM SIGN LISH	12912		PROTO-CUNEIFORM SIGN MUD3-A
128E5		PROTO-CUNEIFORM SIGN LU2	12913		PROTO-CUNEIFORM SIGN MUD3-A GUNU
128E6		PROTO-CUNEIFORM SIGN LUM	12914		PROTO-CUNEIFORM SIGN MUD3-B
128E7		PROTO-CUNEIFORM SIGN MA	12915		PROTO-CUNEIFORM SIGN MUD3-C
128E8		PROTO-CUNEIFORM SIGN MA TIMES A	12916		PROTO-CUNEIFORM SIGN MUD3-D
128E9		PROTO-CUNEIFORM SIGN MA TIMES MA	12917		PROTO-CUNEIFORM SIGN MUL
128EA		PROTO-CUNEIFORM SIGN MA TIMES ONE N58	12918		PROTO-CUNEIFORM SIGN MUN-A1
128EB		PROTO-CUNEIFORM SIGN MA2	12919		PROTO-CUNEIFORM SIGN MUN-A2
128EC		PROTO-CUNEIFORM SIGN MAGUR-A	1291A		PROTO-CUNEIFORM SIGN MUN-A3
128ED		PROTO-CUNEIFORM SIGN MAH-A	1291B		PROTO-CUNEIFORM SIGN MUN-A4
128EE		PROTO-CUNEIFORM SIGN MAH-A TIMES AB2	1291C		PROTO-CUNEIFORM SIGN MUN-B
128EF		PROTO-CUNEIFORM SIGN MAH-A TIMES GUUKAL-A	1291D		PROTO-CUNEIFORM SIGN MUNSHUB-A
128F0		PROTO-CUNEIFORM SIGN MAH-A TIMES KU6-A	1291E		PROTO-CUNEIFORM SIGN MUNSHUB-B
128F1		PROTO-CUNEIFORM SIGN MAH-A TIMES MASH	1291F		PROTO-CUNEIFORM SIGN MUNU3
128F2		PROTO-CUNEIFORM SIGN MAH-A TIMES NA-A	12920		PROTO-CUNEIFORM SIGN MUSH
128F3		PROTO-CUNEIFORM SIGN MAH-A TIMES SILA3-A	12921		PROTO-CUNEIFORM SIGN MUSH3-A
		TIMES UMBIN-A	12922		PROTO-CUNEIFORM SIGN MUSH3-A GUNU
			12923		PROTO-CUNEIFORM SIGN MUSH3-B
			12924		PROTO-CUNEIFORM SIGN MUSHEN
			12925		PROTO-CUNEIFORM SIGN ONE N58 BAD
			12926		PROTO-CUNEIFORM SIGN ONE N58 PLUS BAD FORM B
			12927		PROTO-CUNEIFORM SIGN THREE N58 UR3-B1

12928		PROTO-CUNEIFORM SIGN NA-A	12958		PROTO-CUNEIFORM SIGN NINDA2 TIMES GAR
12929		PROTO-CUNEIFORM SIGN NA-B	12959		PROTO-CUNEIFORM SIGN NINDA2 TIMES GISH
1292A		PROTO-CUNEIFORM SIGN NA-C	1295A		PROTO-CUNEIFORM SIGN NINDA2 TIMES GU4
1292B		PROTO-CUNEIFORM SIGN NA2-A	1295B		PROTO-CUNEIFORM SIGN NINDA2 TIMES HI
1292C		PROTO-CUNEIFORM SIGN NA2-B1	1295C		PROTO-CUNEIFORM SIGN NINDA2 TIMES HI PLUS
1292D		PROTO-CUNEIFORM SIGN NA2-B2	1295D		AN PLUS ME-A
1292E		PROTO-CUNEIFORM SIGN NA2-C	1295E		PROTO-CUNEIFORM SIGN NINDA2 TIMES KASH-B
1292F		PROTO-CUNEIFORM SIGN NAB	1295F		PROTO-CUNEIFORM SIGN NINDA2 TIMES MAR-A
12930		PROTO-CUNEIFORM SIGN NAGA-A	12960		PROTO-CUNEIFORM SIGN NINDA2 TIMES MAR-B
12931		PROTO-CUNEIFORM SIGN NAGA-A TIMES TAK4-A	12961		PROTO-CUNEIFORM SIGN NINDA2 TIMES NUN-A
12932		PROTO-CUNEIFORM SIGN NAGA-B	12962		PROTO-CUNEIFORM SIGN NINDA2 TIMES U4
12933		PROTO-CUNEIFORM SIGN NAGAR-A	12963		PROTO-CUNEIFORM SIGN NINDA2 TIMES ZATU659
12934		PROTO-CUNEIFORM SIGN NAGAR-B	12964		TIME ONE N01
12935		PROTO-CUNEIFORM SIGN NAM-A	12965		PROTO-CUNEIFORM SIGN NINDA2 TIMES ZATU710
12936		PROTO-CUNEIFORM SIGN NAM-B	12966		PROTO-CUNEIFORM SIGN NINDA2 TIMES ONE N01
12937		PROTO-CUNEIFORM SIGN NAM-C	12967		PROTO-CUNEIFORM SIGN NINDA2 TIMES TWO N01
12938		PROTO-CUNEIFORM SIGN NAM-D	12968		PROTO-CUNEIFORM SIGN NINDA2 TIMES ONE N06
12939		PROTO-CUNEIFORM SIGN NAM2	12969		PROTO-CUNEIFORM SIGN NIR-A
1293A		PROTO-CUNEIFORM SIGN NAM2 TIMES ONE N01	1296A		PROTO-CUNEIFORM SIGN NIR-A TIMES AN
1293B		PROTO-CUNEIFORM SIGN NAM2 GUNU	1296B		PROTO-CUNEIFORM SIGN NIR-B
1293C		PROTO-CUNEIFORM SIGN NAM2 TENU	1296C		PROTO-CUNEIFORM SIGN NU
1293D		PROTO-CUNEIFORM SIGN NANSHE-A	1296D		PROTO-CUNEIFORM SIGN NU GUNU
1293E		PROTO-CUNEIFORM SIGN NANSHE-B	1296E		PROTO-CUNEIFORM SIGN NU11
1293F		PROTO-CUNEIFORM SIGN NAR	1296F		PROTO-CUNEIFORM SIGN NU11 OVER NU11
12940		PROTO-CUNEIFORM SIGN NE-A	12970		PROTO-CUNEIFORM SIGN NU11 TENU
12941		PROTO-CUNEIFORM SIGN NE-B	12971		PROTO-CUNEIFORM SIGN NUMUN
12942		PROTO-CUNEIFORM SIGN NE-C	12972		PROTO-CUNEIFORM SIGN NUN-A
12943		PROTO-CUNEIFORM SIGN NE-D	12973		PROTO-CUNEIFORM SIGN NUN-A JOINING A
12944		PROTO-CUNEIFORM SIGN NESAG2-A	12974		PROTO-CUNEIFORM SIGN NUN-A JOINING EN-A
12945		PROTO-CUNEIFORM SIGN NESAG2-B	12975		PROTO-CUNEIFORM SIGN NUN-A JOINING EN-B
12946		PROTO-CUNEIFORM SIGN NI-A	12976		PROTO-CUNEIFORM SIGN NUN-A JOINING EN-D
12947		PROTO-CUNEIFORM SIGN NI-A GUNU	12977		PROTO-CUNEIFORM SIGN NUN-A JOINING NAM2
12948		PROTO-CUNEIFORM SIGN NI-B	12978		PROTO-CUNEIFORM SIGN NUN-B
12949		PROTO-CUNEIFORM SIGN NI-B TIMES FOUR N57	12979		PROTO-CUNEIFORM SIGN NUN-B JOINING EN-A
1294A		PROTO-CUNEIFORM SIGN NI-B TIMES EIGHT N57	1297A		PROTO-CUNEIFORM SIGN NUN-C
1294B		PROTO-CUNEIFORM SIGN NI2	1297B		PROTO-CUNEIFORM SIGN NUN-D
1294C		PROTO-CUNEIFORM SIGN NIGIN	1297C		PROTO-CUNEIFORM SIGN NUNUZ-A0
1294D		PROTO-CUNEIFORM SIGN NIM-A	1297D		PROTO-CUNEIFORM SIGN NUNUZ-A1
1294E		PROTO-CUNEIFORM SIGN NIM-B1	1297E		PROTO-CUNEIFORM SIGN NUNUZ-A2
1294F		PROTO-CUNEIFORM SIGN NIM-B2	1297F		PROTO-CUNEIFORM SIGN NUNUZ-B1
12950		PROTO-CUNEIFORM SIGN NIM-B3	12980		PROTO-CUNEIFORM SIGN NUNUZ-C
12951		PROTO-CUNEIFORM SIGN NIMGIR	12981		PROTO-CUNEIFORM SIGN PA-A
12952		PROTO-CUNEIFORM SIGN NINDA2	12982		PROTO-CUNEIFORM SIGN PA-B
12953		PROTO-CUNEIFORM SIGN NINDA2 TIMES AN	12983		PROTO-CUNEIFORM SIGN PAD-A
12954		PROTO-CUNEIFORM SIGN NINDA2 TIMES AN PLUS HI	12984		PROTO-CUNEIFORM SIGN PAD-B
12955		PROTO-CUNEIFORM SIGN NINDA2 TIMES AN PLUS ME-A	12985		PROTO-CUNEIFORM SIGN PAP-A
12956		PROTO-CUNEIFORM SIGN NINDA2 TIMES EZEN-B			GAAR-A1

12986		PROTO-CUNEIFORM SIGN PAP-A TENU	129B6		PROTO-CUNEIFORM SIGN SI4-B
12987		PROTO-CUNEIFORM SIGN PAP-B	129B7		PROTO-CUNEIFORM SIGN SI4-C
12988		PROTO-CUNEIFORM SIGN PIRIG-A1	129B8		PROTO-CUNEIFORM SIGN SI4-D
12989		PROTO-CUNEIFORM SIGN PIRIG-A2	129B9		PROTO-CUNEIFORM SIGN SI4-F
1298A		PROTO-CUNEIFORM SIGN PIRIG-A3	129BA		PROTO-CUNEIFORM SIGN SIG
1298B		PROTO-CUNEIFORM SIGN PIRIG-B1	129BB		PROTO-CUNEIFORM SIGN SIG2-A1
1298C		PROTO-CUNEIFORM SIGN PIRIG-B1 JOINING DIN	129BC		PROTO-CUNEIFORM SIGN SIG2-A2
1298D		PROTO-CUNEIFORM SIGN PIRIG-B2	129BD		PROTO-CUNEIFORM SIGN SIG2-A3
1298E		PROTO-CUNEIFORM SIGN PU2	129BE		PROTO-CUNEIFORM SIGN SIG2-A4
1298F		PROTO-CUNEIFORM SIGN RA	129C0		PROTO-CUNEIFORM SIGN SIG2-B OVER SIG2-B
12990		PROTO-CUNEIFORM SIGN RAD-A	129C1		PROTO-CUNEIFORM SIGN SIG2-C1
12991		PROTO-CUNEIFORM SIGN RAD-A GUNU	129C2		PROTO-CUNEIFORM SIGN SIG2-C2
12992		PROTO-CUNEIFORM SIGN RAD-B	129C3		PROTO-CUNEIFORM SIGN SIG2-D1
12993		PROTO-CUNEIFORM SIGN RI8-A	129C4		PROTO-CUNEIFORM SIGN SIG2-D2
12994		PROTO-CUNEIFORM SIGN RI8-B	129C5		PROTO-CUNEIFORM SIGN SIG2-D3
12995		PROTO-CUNEIFORM SIGN RU	129C6		PROTO-CUNEIFORM SIGN SIG2-D4
12996		PROTO-CUNEIFORM SIGN SA-A	129C7		PROTO-CUNEIFORM SIGN SIG2-E
12997		PROTO-CUNEIFORM SIGN SA-C	129C8		PROTO-CUNEIFORM SIGN SIG4
12998		PROTO-CUNEIFORM SIGN SAG	129C9		PROTO-CUNEIFORM SIGN SIG7
12999		PROTO-CUNEIFORM SIGN SAG JOINING UKKIN-B TIMES ONE N57	129CA		PROTO-CUNEIFORM SIGN SILA3-A
1299A		PROTO-CUNEIFORM SIGN SAG TIMES GESHTU-A	129CB		PROTO-CUNEIFORM SIGN SILA3-A TIMES A
1299B		PROTO-CUNEIFORM SIGN SAG TIMES GESHTU-B	129CD		PROTO-CUNEIFORM SIGN SILA3-A TIMES AMAR
1299C		PROTO-CUNEIFORM SIGN SAG TIMES MA	129CE		PROTO-CUNEIFORM SIGN SILA3-A TIMES DUG-A
1299D		PROTO-CUNEIFORM SIGN SAG TIMES NAM2	129CF		PROTO-CUNEIFORM SIGN SILA3-A TIMES GA-A
1299E		PROTO-CUNEIFORM SIGN SAG GUNU	129D0		GARA2-A
1299F		PROTO-CUNEIFORM SIGN SAG NUTILLU	129D1		PROTO-CUNEIFORM SIGN SILA3-A TIMES GESHTU-A
129A0		PROTO-CUNEIFORM SIGN SAGSHU	129D2		PROTO-CUNEIFORM SIGN SILA3-A TIMES HASHHUR
129A1		PROTO-CUNEIFORM SIGN SAL	129D3		PROTO-CUNEIFORM SIGN SILA3-A TIMES HI
129A2		PROTO-CUNEIFORM SIGN SAL TIMES ONE N58	129D4		PROTO-CUNEIFORM SIGN SILA3-A TIMES IB-A
129A3		PROTO-CUNEIFORM SIGN SANGA-A	129D5		PROTO-CUNEIFORM SIGN SILA3-A TIMES KASH-A
129A4		PROTO-CUNEIFORM SIGN SANGA-B	129D6		PROTO-CUNEIFORM SIGN SILA3-A TIMES KASH-C
129A5		PROTO-CUNEIFORM SIGN SANGA-C	129D7		PROTO-CUNEIFORM SIGN SILA3-A TIMES KASH-D
129A6		PROTO-CUNEIFORM SIGN SANGA-E	129D8		PROTO-CUNEIFORM SIGN SILA3-A TIMES KU6-A
129A7		PROTO-CUNEIFORM SIGN SAR-A	129D9		PROTO-CUNEIFORM SIGN SILA3-A TIMES KUR-A
129A8		PROTO-CUNEIFORM SIGN SAR-A TIMES SHE-A	129DA		PROTO-CUNEIFORM SIGN SILA3-A TIMES MA
129A9		PROTO-CUNEIFORM SIGN SAR-B	129DB		PROTO-CUNEIFORM SIGN SILA3-A TIMES MASH
129AA		PROTO-CUNEIFORM SIGN SAR-C	129DC		PROTO-CUNEIFORM SIGN SILA3-A TIMES MUD3-B
129AB		PROTO-CUNEIFORM SIGN SAR-D	129DD		PROTO-CUNEIFORM SIGN SILA3-A TIMES NAGA-A
129AC		PROTO-CUNEIFORM SIGN SI	129DE		PROTO-CUNEIFORM SIGN SILA3-A TIMES NI-A
129AD		PROTO-CUNEIFORM SIGN SI JOINING AN	129DF		PROTO-CUNEIFORM SIGN SILA3-A TIMES NUN-B
129AE		PROTO-CUNEIFORM SIGN SI TIMES EN-A	129E0		PROTO-CUNEIFORM SIGN SILA3-A TIMES SUHUR
129AF		PROTO-CUNEIFORM SIGN SI TIMES GU4	129E1		PROTO-CUNEIFORM SIGN SILA3-A TIMES SUM-A
129B0		PROTO-CUNEIFORM SIGN SI TIMES KU-B1	129E2		PROTO-CUNEIFORM SIGN SILA3-A TIMES SUM-B
129B1		PROTO-CUNEIFORM SIGN SI TIMES SAL	129E3		PROTO-CUNEIFORM SIGN SILA3-A TIMES SHE-A
129B2		PROTO-CUNEIFORM SIGN SI TIMES SHE3	129E4		PROTO-CUNEIFORM SIGN SILA3-A TIMES SHE-A
129B3		PROTO-CUNEIFORM SIGN SI TIMES TUN3-A	129E5		TENU
129B4		PROTO-CUNEIFORM SIGN SI TIMES ONE N58			PROTO-CUNEIFORM SIGN SILA3-A TIMES SHU
129B5		PROTO-CUNEIFORM SIGN SI4-A			

129E6		PROTO-CUNEIFORM SIGN SILA3-A TIMES SHU2	12A12		PROTO-CUNEIFORM SIGN SHA GUNU
129E7		PROTO-CUNEIFORM SIGN SILA3-A TIMES ZATU629	12A13		PROTO-CUNEIFORM SIGN SHA3-A1
		ZATU646	12A14		PROTO-CUNEIFORM SIGN SHA3-A2
129E8		PROTO-CUNEIFORM SIGN SILA3-A TIMES ZATU646	12A15		PROTO-CUNEIFORM SIGN SHA3-A2 GUNU
129E9		PROTO-CUNEIFORM SIGN SILA3-A TIMES ZATU659 PLUS TU-C	12A16		PROTO-CUNEIFORM SIGN SHA3-B
129EA		PROTO-CUNEIFORM SIGN SILA3-A TIMES ONE N57	12A17		PROTO-CUNEIFORM SIGN SHA3-C
129EB		PROTO-CUNEIFORM SIGN SILA3-B	12A18		PROTO-CUNEIFORM SIGN SHA3-D
129EC		PROTO-CUNEIFORM SIGN SILA3-B TIMES GUG2	12A19		PROTO-CUNEIFORM SIGN SHAGAN
129ED		PROTO-CUNEIFORM SIGN SILA3-B TIMES NAGA-B	12A1A		PROTO-CUNEIFORM SIGN SHAGINA
129EE		PROTO-CUNEIFORM SIGN SILA3-B TIMES NI-A	12A1B		PROTO-CUNEIFORM SIGN SHAH2-A
129EF		PROTO-CUNEIFORM SIGN SILA3-B TIMES NI-B	12A1C		PROTO-CUNEIFORM SIGN SHAH2-B
129F0		PROTO-CUNEIFORM SIGN SILA3-C TIMES ZATU687	12A1D		PROTO-CUNEIFORM SIGN SHAH2-C
129F1		PROTO-CUNEIFORM SIGN SILA4-A	12A1E		PROTO-CUNEIFORM SIGN SHAKIR-A
129F2		PROTO-CUNEIFORM SIGN SILA4-B	12A1F		PROTO-CUNEIFORM SIGN SHAKIR-B
129F3		PROTO-CUNEIFORM SIGN SILA4-C	12A20		PROTO-CUNEIFORM SIGN SHAKIR-C
129F4		PROTO-CUNEIFORM SIGN SILA4-D	12A21		PROTO-CUNEIFORM SIGN SHAM2
129F5		PROTO-CUNEIFORM SIGN SILANITA	12A22		PROTO-CUNEIFORM SIGN SHE-A
129F6		PROTO-CUNEIFORM SIGN SIMUG	12A23		PROTO-CUNEIFORM SIGN SHE-A OVER SHE-A
129F7		PROTO-CUNEIFORM SIGN SU-A	12A24		PROTO-CUNEIFORM SIGN SHE-A TENU
129F8		PROTO-CUNEIFORM SIGN SU-A TIMES ONE N58	12A25		PROTO-CUNEIFORM SIGN SHE-B
129F9		PROTO-CUNEIFORM SIGN SU-B	12A26		PROTO-CUNEIFORM SIGN SHE-C
129FA		PROTO-CUNEIFORM SIGN SU-C	12A27		PROTO-CUNEIFORM SIGN SHE3
129FB		PROTO-CUNEIFORM SIGN SU3	12A28		PROTO-CUNEIFORM SIGN SHE3 TENU
129FC		PROTO-CUNEIFORM SIGN SUG	12A29		PROTO-CUNEIFORM SIGN SHEG9
129FD		PROTO-CUNEIFORM SIGN SUG5	12A2A		PROTO-CUNEIFORM SIGN SHEN-A
129FE		PROTO-CUNEIFORM SIGN SUH3	12A2B		PROTO-CUNEIFORM SIGN SHEN-B
129FF		PROTO-CUNEIFORM SIGN SUHUR	12A2C		PROTO-CUNEIFORM SIGN SHEN-C
12A00		PROTO-CUNEIFORM SIGN SUHUR GUNU	12A2D		PROTO-CUNEIFORM SIGN SHEN-C TENU
12A01		PROTO-CUNEIFORM SIGN SUHUR NUTILLU	12A2E		PROTO-CUNEIFORM SIGN SHEN-D TIMES A
12A02		PROTO-CUNEIFORM SIGN SUHUR TENU	12A2F		PROTO-CUNEIFORM SIGN SHEN-E
12A03		PROTO-CUNEIFORM SIGN SUKKAL	12A30		PROTO-CUNEIFORM SIGN SHENNUR-A
12A04		PROTO-CUNEIFORM SIGN SUKUD	12A31		PROTO-CUNEIFORM SIGN SHENNUR-B
12A05		PROTO-CUNEIFORM SIGN SUKUD JOINING SUKUD FORM A	12A32		PROTO-CUNEIFORM SIGN SHESH-A
12A06		PROTO-CUNEIFORM SIGN SUKUD JOINING SUKUD FORM B	12A33		PROTO-CUNEIFORM SIGN SHESH-B
12A07		PROTO-CUNEIFORM SIGN SUKUD GUNU-A	12A34		PROTO-CUNEIFORM SIGN SHIDIM
12A08		PROTO-CUNEIFORM SIGN SUKUD GUNU-B	12A35		PROTO-CUNEIFORM SIGN SHIM-A
12A09		PROTO-CUNEIFORM SIGN SUKUD GUNU-C	12A36		PROTO-CUNEIFORM SIGN SHIM-B
12A0A		PROTO-CUNEIFORM SIGN SUKUD GUNU-D	12A37		PROTO-CUNEIFORM SIGN SHIR-A
12A0B		PROTO-CUNEIFORM SIGN SUM-A	12A38		PROTO-CUNEIFORM SIGN SHIR-B
12A0C		PROTO-CUNEIFORM SIGN SUM-B	12A39		PROTO-CUNEIFORM SIGN SHITA-A1
12A0D		PROTO-CUNEIFORM SIGN SUMASH	12A3A		PROTO-CUNEIFORM SIGN SHITA-A1 TIMES KAK-A
12A0E		PROTO-CUNEIFORM SIGN SUR	12A3B		PROTO-CUNEIFORM SIGN SHITA-A1 TIMES SHU
12A0F		PROTO-CUNEIFORM SIGN SHA	12A3C		PROTO-CUNEIFORM SIGN SHITA-A2
12A10		PROTO-CUNEIFORM SIGN SHA TIMES HI GUNU-A FORM A	12A3D		PROTO-CUNEIFORM SIGN SHITA-A3
12A11		PROTO-CUNEIFORM SIGN SHA TIMES HI GUNU-A FORM B	12A3E		PROTO-CUNEIFORM SIGN SHITA-B1
			12A3F		PROTO-CUNEIFORM SIGN SHITA-B2
			12A40		PROTO-CUNEIFORM SIGN SHITA-B2 GUNU TIMES HI GUNU-A
			12A41		PROTO-CUNEIFORM SIGN SHITA-B3
			12A42		PROTO-CUNEIFORM SIGN SHITA-B3 TIMES NAM2
			12A43		PROTO-CUNEIFORM SIGN SHITA GUNU-A
			12A44		PROTO-CUNEIFORM SIGN SHITA GUNU-A TIMES ONE N06

12A45		PROTO-CUNEIFORM SIGN SHITA GUNU-B	12A78		PROTO-CUNEIFORM SIGN TUR GUNU
12A46		PROTO-CUNEIFORM SIGN SHU	12A79		PROTO-CUNEIFORM SIGN TUR3-A
12A47		PROTO-CUNEIFORM SIGN SHU TIMES ONE N58	12A7A		PROTO-CUNEIFORM SIGN TUR3-B
12A48		PROTO-CUNEIFORM SIGN SHU OVER SHU	12A7B		PROTO-CUNEIFORM SIGN TUR3-C
12A49		PROTO-CUNEIFORM SIGN SHU GUNU	12A7C		PROTO-CUNEIFORM SIGN U2-A
12A4A		PROTO-CUNEIFORM SIGN SHU2	12A7D		PROTO-CUNEIFORM SIGN U2-B
12A4B		PROTO-CUNEIFORM SIGN SHU12	12A7E		PROTO-CUNEIFORM SIGN U2-C
12A4C		PROTO-CUNEIFORM SIGN SHUBUR	12A80		PROTO-CUNEIFORM SIGN U4
12A4D		PROTO-CUNEIFORM SIGN SHUM	12A81		PROTO-CUNEIFORM SIGN U4 TIMES ONE N01
12A4E		PROTO-CUNEIFORM SIGN SHUR2 TIMES ONE N58	12A81		PROTO-CUNEIFORM SIGN U4 TIMES ONE N01
12A4F		PROTO-CUNEIFORM SIGN SHUR2-A			PLUS ONE N24
12A50		PROTO-CUNEIFORM SIGN SHUR2-B	12A82		PROTO-CUNEIFORM SIGN U4 TIMES THREE N01
12A51		PROTO-CUNEIFORM SIGN TA-A	12A83		PROTO-CUNEIFORM SIGN U4 TIMES FOUR N01
12A52		PROTO-CUNEIFORM SIGN TA-B	12A84		PROTO-CUNEIFORM SIGN U4 TIMES FIVE N01
12A53		PROTO-CUNEIFORM SIGN TA-C	12A85		PROTO-CUNEIFORM SIGN U4 TIMES SIX N01
12A54		PROTO-CUNEIFORM SIGN TA-D	12A86		PROTO-CUNEIFORM SIGN U4 TIMES EIGHT N01
12A55		PROTO-CUNEIFORM SIGN TA-E	12A87		PROTO-CUNEIFORM SIGN U4 TIMES ONE N14
12A56		PROTO-CUNEIFORM SIGN TAG-A1	12A88		PROTO-CUNEIFORM SIGN U4 TIMES ONE N14
12A57		PROTO-CUNEIFORM SIGN TAG-A1 TENU			PLUS ONE N01
12A58		PROTO-CUNEIFORM SIGN TAG-A2	12A89		PROTO-CUNEIFORM SIGN U4 TIMES ONE N14
12A59		PROTO-CUNEIFORM SIGN TAG-A3			PLUS TWO N01
12A5A		PROTO-CUNEIFORM SIGN TAG-A4	12A8A		PROTO-CUNEIFORM SIGN U4 TIMES ONE N14
12A5B		PROTO-CUNEIFORM SIGN TAG-B	12A8B		PLUS FOUR N01
12A5C		PROTO-CUNEIFORM SIGN TAG-C	12A8C		PROTO-CUNEIFORM SIGN U4 TIMES TWO N14
12A5D		PROTO-CUNEIFORM SIGN TAG-D	12A8D		PLUS FOUR N01
12A5E		PROTO-CUNEIFORM SIGN TAK4-A	12A8E		PLUS EIGHT N01
12A5F		PROTO-CUNEIFORM SIGN TAK4-A NUTILLU	12A8F		PROTO-CUNEIFORM SIGN U4 TIMES ONE N57
12A60		PROTO-CUNEIFORM SIGN TAK4-C	12A90		PROTO-CUNEIFORM SIGN U4 TIMES TWO N57
12A61		PROTO-CUNEIFORM SIGN TAR-A	12A91		PROTO-CUNEIFORM SIGN U4 TIMES THREE N57
12A62		PROTO-CUNEIFORM SIGN TE	12A92		PROTO-CUNEIFORM SIGN U4 TIMES FOUR N57
12A63		PROTO-CUNEIFORM SIGN TI	12A93		PROTO-CUNEIFORM SIGN U4 TIMES FIVE N57
12A64		PROTO-CUNEIFORM SIGN TI GUNU	12A94		PROTO-CUNEIFORM SIGN U4 TIMES SIX N57
12A65		PROTO-CUNEIFORM SIGN TI REVERSED	12A95		PROTO-CUNEIFORM SIGN U4 TIMES SEVEN N57
12A66		PROTO-CUNEIFORM SIGN TI TENU	12A96		PROTO-CUNEIFORM SIGN U4 TIMES EIGHT N57
12A67		PROTO-CUNEIFORM SIGN TILLA2	12A97		PROTO-CUNEIFORM SIGN U4 TIMES ONE N57
12A68		PROTO-CUNEIFORM SIGN TU-A	12A98		PROTO-CUNEIFORM SIGN U4 TIMES ONE N58
12A69		PROTO-CUNEIFORM SIGN TU-B	12A99		TENU
12A70		PROTO-CUNEIFORM SIGN TU-C	12A9A		PROTO-CUNEIFORM SIGN U4 TENU
12A71		PROTO-CUNEIFORM SIGN TUG2-A	12A9B		PROTO-CUNEIFORM SIGN U8
12A72		PROTO-CUNEIFORM SIGN TUG2-A GUNU	12A9C		PROTO-CUNEIFORM SIGN U8 TIMES TAR-B
12A73		PROTO-CUNEIFORM SIGN TUG2-B	12A9D		PROTO-CUNEIFORM SIGN UB
12A74		PROTO-CUNEIFORM SIGN TUG2-C	12A9E		PROTO-CUNEIFORM SIGN UBI-A
12A75		PROTO-CUNEIFORM SIGN TUM-A	12A9F		PROTO-CUNEIFORM SIGN UBI-C
12A76		PROTO-CUNEIFORM SIGN TUM-A GUNU	12A9G		PROTO-CUNEIFORM SIGN UBI-D
12A77		PROTO-CUNEIFORM SIGN TUM-B			PROTO-CUNEIFORM SIGN UD5-A
		PROTO-CUNEIFORM SIGN TUM-C			
		PROTO-CUNEIFORM SIGN TUM-D			
		PROTO-CUNEIFORM SIGN TUN3-A			
		PROTO-CUNEIFORM SIGN TUN3-B			
		PROTO-CUNEIFORM SIGN TUN3-C			
		PROTO-CUNEIFORM SIGN TUN3-D			
		PROTO-CUNEIFORM SIGN TUR			

12AA1		PROTO-CUNEIFORM SIGN UD5-A GUNU	12ACF		PROTO-CUNEIFORM SIGN UR4-B
12AA2		PROTO-CUNEIFORM SIGN UD5-B	12AD0		PROTO-CUNEIFORM SIGN UR4-C
12AA3		PROTO-CUNEIFORM SIGN UD5-C	12AD1		PROTO-CUNEIFORM SIGN UR5-A
12AA4		PROTO-CUNEIFORM SIGN UDU-A	12AD2		PROTO-CUNEIFORM SIGN UR5-B
12AA5		PROTO-CUNEIFORM SIGN UDU-A TIMES TAR-A	12AD3		PROTO-CUNEIFORM SIGN URI
12AA6		PROTO-CUNEIFORM SIGN UDU-A TIMES TAR-B	12AD4		PROTO-CUNEIFORM SIGN URI3-A
12AA7		PROTO-CUNEIFORM SIGN UDU-C	12AD5		PROTO-CUNEIFORM SIGN UR5
12AA8		PROTO-CUNEIFORM SIGN UDUNITA-A	12AD6		PROTO-CUNEIFORM SIGN URU-A1
12AA9		PROTO-CUNEIFORM SIGN UDUNITA-B	12AD7		PROTO-CUNEIFORM SIGN URU-A1 TIMES AMAR
12AAA		PROTO-CUNEIFORM SIGN UDUNITA-C	12AD8		PROTO-CUNEIFORM SIGN URU-A1 TIMES HI GUNU-A
12AAB		PROTO-CUNEIFORM SIGN UH3-A	12AD9		PROTO-CUNEIFORM SIGN URU-A1 TIMES KI
12AAC		PROTO-CUNEIFORM SIGN UH3-A TENU	12ADA		PROTO-CUNEIFORM SIGN URU-A1 TIMES NIMGIR
12AAD		PROTO-CUNEIFORM SIGN UH3-B	12ADB		PROTO-CUNEIFORM SIGN URU-A1 TIMES U4
12AAE		PROTO-CUNEIFORM SIGN UKKIN-A	12ADC		PROTO-CUNEIFORM SIGN URU-A1 TIMES THREE N57
12AAF		PROTO-CUNEIFORM SIGN UKKIN-B	12ADD		PROTO-CUNEIFORM SIGN URU-A2
12AB0		PROTO-CUNEIFORM SIGN UKKIN-B TIMES DIN	12ADE		PROTO-CUNEIFORM SIGN URU-A2 TIMES ONE N58
12AB1		PROTO-CUNEIFORM SIGN UKKIN-B TIMES DIN PLUS ONE N01	12ADF		PROTO-CUNEIFORM SIGN URU-A3 TIMES KALAM-A
12AB2		PROTO-CUNEIFORM SIGN UKKIN-B TIMES HI GUNU-A	12AE0		PROTO-CUNEIFORM SIGN URU-B1
12AB3		PROTO-CUNEIFORM SIGN UKKIN-B TIMES NI-A	12AE1		PROTO-CUNEIFORM SIGN URU-B2
12AB4		PROTO-CUNEIFORM SIGN UKKIN-B TIMES TWO N01	12AE2		PROTO-CUNEIFORM SIGN URU-C
12AB5		PROTO-CUNEIFORM SIGN UKKIN-B TIMES THREE N01	12AE3		PROTO-CUNEIFORM SIGN URUDU-A
12AB6		PROTO-CUNEIFORM SIGN UKKIN-B TIMES FIVE N01	12AE4		PROTO-CUNEIFORM SIGN URUDU-C
12AB7		PROTO-CUNEIFORM SIGN UKKIN-C	12AE5		PROTO-CUNEIFORM SIGN URUDU-D
12AB8		PROTO-CUNEIFORM SIGN UMBIN-A	12AE6		PROTO-CUNEIFORM SIGN URUDU GUNU-A
12AB9		PROTO-CUNEIFORM SIGN UMBIN-B1	12AE7		PROTO-CUNEIFORM SIGN URUDU GUNU-C
12ABA		PROTO-CUNEIFORM SIGN UMBIN-B2	12AE8		PROTO-CUNEIFORM SIGN URUDU GUNU-D
12ABB		PROTO-CUNEIFORM SIGN UMBIN-C	12AE9		PROTO-CUNEIFORM SIGN USH-A
12ABC		PROTO-CUNEIFORM SIGN UMUN2	12AEA		PROTO-CUNEIFORM SIGN USH-A OVER USH-A
12ABD		PROTO-CUNEIFORM SIGN UNUG-A	12AEB		PROTO-CUNEIFORM SIGN USH-B
12ABE		PROTO-CUNEIFORM SIGN UNUG-A TIMES A TENU	12AEC		PROTO-CUNEIFORM SIGN USH-B TIMES TAR-C
12ABF		PROTO-CUNEIFORM SIGN UNUG-A SHESHIG	12AED		PROTO-CUNEIFORM SIGN USH-B OVER USH-B
12AC0		PROTO-CUNEIFORM SIGN UNUG-B	12AEE		PROTO-CUNEIFORM SIGN USHUR3-B1
12AC1		PROTO-CUNEIFORM SIGN UNUG-C	12AEF		PROTO-CUNEIFORM SIGN USHUR3-B2
12AC2		PROTO-CUNEIFORM SIGN UR-A	12AF0		PROTO-CUNEIFORM SIGN UTUA-A
12AC3		PROTO-CUNEIFORM SIGN UR-A GUNU	12AF1		PROTO-CUNEIFORM SIGN UTUA-A TENU
12AC4		PROTO-CUNEIFORM SIGN UR-B	12AF2		PROTO-CUNEIFORM SIGN UTUA-B
12AC5		PROTO-CUNEIFORM SIGN UR-C	12AF3		PROTO-CUNEIFORM SIGN UTUL-A
12AC6		PROTO-CUNEIFORM SIGN UR2	12AF4		PROTO-CUNEIFORM SIGN UTUL-B
12AC7		PROTO-CUNEIFORM SIGN UR2 TIMES TAR-C	12AF5		PROTO-CUNEIFORM SIGN UTUL-C
12AC8		PROTO-CUNEIFORM SIGN UR2 TIMES ONE N57	12AF6		PROTO-CUNEIFORM SIGN UTUL-D
12AC9		PROTO-CUNEIFORM SIGN UR3-A1	12AF7		PROTO-CUNEIFORM SIGN UZU
12ACA		PROTO-CUNEIFORM SIGN UR3-A2	12AF8		PROTO-CUNEIFORM SIGN ZA-V
12ACB		PROTO-CUNEIFORM SIGN UR3-A3	12AF9		PROTO-CUNEIFORM SIGN ZAG-A
12ACC		PROTO-CUNEIFORM SIGN UR3-B1	12AFA		PROTO-CUNEIFORM SIGN ZAG-B
12ACD		PROTO-CUNEIFORM SIGN UR3-B2	12AFB		PROTO-CUNEIFORM SIGN ZAG-C
12ACE		PROTO-CUNEIFORM SIGN UR4-A	12AFC		PROTO-CUNEIFORM SIGN ZAR-A
			12AFD		PROTO-CUNEIFORM SIGN ZAR-B1
			12AFE		PROTO-CUNEIFORM SIGN ZAR-B2

12AFF		PROTO-CUNEIFORM SIGN ZAR-C	12B31		PROTO-CUNEIFORM SIGN ZATU659 TIMES ONE
12B00		PROTO-CUNEIFORM SIGN ZI-A	12B32		N14
12B01		PROTO-CUNEIFORM SIGN ZI-B	12B33		PROTO-CUNEIFORM SIGN ZATU659 TIMES ONE
12B02		PROTO-CUNEIFORM SIGN ZI-D	12B34		N58 TENU
12B03		PROTO-CUNEIFORM SIGN ZUBI-A	12B35		PROTO-CUNEIFORM SIGN ZATU662
12B04		PROTO-CUNEIFORM SIGN ZATU620	12B36		PROTO-CUNEIFORM SIGN ZATU662 TIMES ONE
12B05		PROTO-CUNEIFORM SIGN ZATU621-A	12B37		N14
12B06		PROTO-CUNEIFORM SIGN ZATU621-B	12B38		PROTO-CUNEIFORM SIGN ZATU664
12B07		PROTO-CUNEIFORM SIGN ZATU621-C	12B39		PROTO-CUNEIFORM SIGN ZATU665
12B08		PROTO-CUNEIFORM SIGN ZATU621-D	12B40		PROTO-CUNEIFORM SIGN ZATU666
12B09		PROTO-CUNEIFORM SIGN ZATU622	12B41		PROTO-CUNEIFORM SIGN ZATU667
12B0A		PROTO-CUNEIFORM SIGN ZATU623	12B42		PROTO-CUNEIFORM SIGN ZATU668
12B0B		PROTO-CUNEIFORM SIGN ZATU624-A	12B43		PROTO-CUNEIFORM SIGN ZATU669
12B0C		PROTO-CUNEIFORM SIGN ZATU624-B	12B44		PROTO-CUNEIFORM SIGN ZATU672
12B0D		PROTO-CUNEIFORM SIGN ZATU625	12B45		PROTO-CUNEIFORM SIGN ZATU674
12B0E		PROTO-CUNEIFORM SIGN ZATU626-A	12B46		PROTO-CUNEIFORM SIGN ZATU675-A
12B0F		PROTO-CUNEIFORM SIGN ZATU626-B	12B47		PROTO-CUNEIFORM SIGN ZATU675-B
12B10		PROTO-CUNEIFORM SIGN ZATU626-C	12B48		PROTO-CUNEIFORM SIGN ZATU675-C
12B11		PROTO-CUNEIFORM SIGN ZATU628-A	12B49		PROTO-CUNEIFORM SIGN ZATU676-A
12B12		PROTO-CUNEIFORM SIGN ZATU628-B	12B50		PROTO-CUNEIFORM SIGN ZATU676-B
12B13		PROTO-CUNEIFORM SIGN ZATU629	12B51		PROTO-CUNEIFORM SIGN ZATU677-A
12B14		PROTO-CUNEIFORM SIGN ZATU630	12B52		PROTO-CUNEIFORM SIGN ZATU677-B
12B15		PROTO-CUNEIFORM SIGN ZATU631	12B53		PROTO-CUNEIFORM SIGN ZATU678
12B16		PROTO-CUNEIFORM SIGN ZATU632-A	12B54		PROTO-CUNEIFORM SIGN ZATU679
12B17		PROTO-CUNEIFORM SIGN ZATU632-B	12B55		PROTO-CUNEIFORM SIGN ZATU680-A1
12B18		PROTO-CUNEIFORM SIGN ZATU633-A	12B56		PROTO-CUNEIFORM SIGN ZATU680-A2
12B19		PROTO-CUNEIFORM SIGN ZATU633-B	12B57		PROTO-CUNEIFORM SIGN ZATU680-B
12B1A		PROTO-CUNEIFORM SIGN ZATU635	12B58		PROTO-CUNEIFORM SIGN ZATU680-D
12B1B		PROTO-CUNEIFORM SIGN ZATU636	12B59		PROTO-CUNEIFORM SIGN ZATU680-E
12B1C		PROTO-CUNEIFORM SIGN ZATU637	12B60		PROTO-CUNEIFORM SIGN ZATU681
12B1D		PROTO-CUNEIFORM SIGN ZATU639	12B61		PROTO-CUNEIFORM SIGN ZATU682
12B1E		PROTO-CUNEIFORM SIGN ZATU641			PROTO-CUNEIFORM SIGN ZATU683-A
12B1F		PROTO-CUNEIFORM SIGN ZATU642			PROTO-CUNEIFORM SIGN ZATU683-B
12B20		PROTO-CUNEIFORM SIGN ZATU643			PROTO-CUNEIFORM SIGN ZATU684
12B21		PROTO-CUNEIFORM SIGN ZATU644-A			PROTO-CUNEIFORM SIGN ZATU685
12B22		PROTO-CUNEIFORM SIGN ZATU644-B			PROTO-CUNEIFORM SIGN ZATU686-A
12B23		PROTO-CUNEIFORM SIGN ZATU646			PROTO-CUNEIFORM SIGN ZATU686-B
12B24		PROTO-CUNEIFORM SIGN ZATU647			PROTO-CUNEIFORM SIGN ZATU686-C
12B25		PROTO-CUNEIFORM SIGN ZATU648			PROTO-CUNEIFORM SIGN ZATU687
12B26		PROTO-CUNEIFORM SIGN ZATU649			PROTO-CUNEIFORM SIGN ZATU688-A
12B27		PROTO-CUNEIFORM SIGN ZATU651			PROTO-CUNEIFORM SIGN ZATU688-B
12B28		PROTO-CUNEIFORM SIGN ZATU651 TIMES AN			PROTO-CUNEIFORM SIGN ZATU689
12B29		PROTO-CUNEIFORM SIGN ZATU651 TIMES EN-A			PROTO-CUNEIFORM SIGN ZATU690
12B2A		PROTO-CUNEIFORM SIGN ZATU651 TIMES GAR			PROTO-CUNEIFORM SIGN ZATU691
12B2B		PROTO-CUNEIFORM SIGN ZATU651 TIMES MA			PROTO-CUNEIFORM SIGN ZATU692
12B2C		PROTO-CUNEIFORM SIGN ZATU651 TIMES NUN-A			PROTO-CUNEIFORM SIGN ZATU693
12B2D		PROTO-CUNEIFORM SIGN ZATU651 TIMES ZAR-C			PROTO-CUNEIFORM SIGN ZATU693 TENU
12B2E		PROTO-CUNEIFORM SIGN ZATU651 GUNU			PROTO-CUNEIFORM SIGN ZATU694-A
12B2F		PROTO-CUNEIFORM SIGN ZATU659			PROTO-CUNEIFORM SIGN ZATU694-B
12B30		PROTO-CUNEIFORM SIGN ZATU659 TIMES ONE			PROTO-CUNEIFORM SIGN ZATU694-C
		N01			PROTO-CUNEIFORM SIGN ZATU694-D

12B62		PROTO-CUNEIFORM SIGN ZATU694-D TENU	12B93		PROTO-CUNEIFORM SIGN ZATU737 TIMES EN-A
12B63		PROTO-CUNEIFORM SIGN ZATU695	12B94		PROTO-CUNEIFORM SIGN ZATU737 TIMES EN-B
12B64		PROTO-CUNEIFORM SIGN ZATU696	12B95		PROTO-CUNEIFORM SIGN ZATU737 TIMES GAR
12B65		PROTO-CUNEIFORM SIGN ZATU697-A	12B96		PROTO-CUNEIFORM SIGN ZATU737 TIMES NI-A GUNU
12B66		PROTO-CUNEIFORM SIGN ZATU697-B	12B97		PROTO-CUNEIFORM SIGN ZATU737 TIMES NIMGIR
12B67		PROTO-CUNEIFORM SIGN ZATU699-B	12B98		PROTO-CUNEIFORM SIGN ZATU737 TIMES SAL
12B68		PROTO-CUNEIFORM SIGN ZATU700	12B99		PROTO-CUNEIFORM SIGN ZATU737 TIMES SU-A
12B69		PROTO-CUNEIFORM SIGN ZATU701	12B9A		PROTO-CUNEIFORM SIGN ZATU737 TIMES SHE-A
12B6A		PROTO-CUNEIFORM SIGN ZATU702	12B9B		PROTO-CUNEIFORM SIGN ZATU737 TIMES SHITA-A1
12B6B		PROTO-CUNEIFORM SIGN ZATU703	12B9C		PROTO-CUNEIFORM SIGN ZATU737 TIMES U4
12B6C		PROTO-CUNEIFORM SIGN ZATU705	12B9D		PROTO-CUNEIFORM SIGN ZATU737 TIMES UNUG-A
12B6D		PROTO-CUNEIFORM SIGN ZATU706	12B9E		PROTO-CUNEIFORM SIGN ZATU749-A
12B6E		PROTO-CUNEIFORM SIGN ZATU707-A	12B9F		PROTO-CUNEIFORM SIGN ZATU749-B
12B6F		PROTO-CUNEIFORM SIGN ZATU707-B	12BA0		PROTO-CUNEIFORM SIGN ZATU749-C
12B70		PROTO-CUNEIFORM SIGN ZATU708	12BA1		PROTO-CUNEIFORM SIGN ZATU750
12B71		PROTO-CUNEIFORM SIGN ZATU709	12BA2		PROTO-CUNEIFORM SIGN ZATU751-A
12B72		PROTO-CUNEIFORM SIGN ZATU710	12BA3		PROTO-CUNEIFORM SIGN ZATU751-B
12B73		PROTO-CUNEIFORM SIGN ZATU711	12BA4		PROTO-CUNEIFORM SIGN ZATU751-C
12B74		PROTO-CUNEIFORM SIGN ZATU711 TIMES HI GUNU-A	12BA5		PROTO-CUNEIFORM SIGN ZATU752
12B75		PROTO-CUNEIFORM SIGN ZATU713	12BA6		PROTO-CUNEIFORM SIGN ZATU753
12B76		PROTO-CUNEIFORM SIGN ZATU714	12BA7		PROTO-CUNEIFORM SIGN ZATU754
12B77		PROTO-CUNEIFORM SIGN ZATU714 TIMES HI GUNU-A	12BA8		PROTO-CUNEIFORM SIGN ZATU755-A
12B78		PROTO-CUNEIFORM SIGN ZATU717	12BA9		PROTO-CUNEIFORM SIGN ZATU755-B
12B79		PROTO-CUNEIFORM SIGN ZATU718	12BAA		PROTO-CUNEIFORM SIGN ZATU756
12B7A		PROTO-CUNEIFORM SIGN ZATU719	12BAB		PROTO-CUNEIFORM SIGN ZATU757
12B7B		PROTO-CUNEIFORM SIGN ZATU720	12BAC		PROTO-CUNEIFORM SIGN ZATU758
12B7C		PROTO-CUNEIFORM SIGN ZATU721	12BAD		PROTO-CUNEIFORM SIGN ZATU759
12B7D		PROTO-CUNEIFORM SIGN ZATU722	12BAE		PROTO-CUNEIFORM SIGN ZATU759 TIMES KU6-A
12B7E		PROTO-CUNEIFORM SIGN ZATU723	12BAF		PROTO-CUNEIFORM SIGN ZATU759 TIMES KU6-A JOINING KU6-A
12B7F		PROTO-CUNEIFORM SIGN ZATU725	12BB0		PROTO-CUNEIFORM SIGN ZATU762-A
12B80		PROTO-CUNEIFORM SIGN ZATU726-A	12BB1		PROTO-CUNEIFORM SIGN ZATU762-A TIMES NIM-A
12B81		PROTO-CUNEIFORM SIGN ZATU726-C	12BB2		PROTO-CUNEIFORM SIGN ZATU762-B
12B82		PROTO-CUNEIFORM SIGN ZATU726-D	12BB3		PROTO-CUNEIFORM SIGN ZATU762-B TIMES AB-A
12B83		PROTO-CUNEIFORM SIGN ZATU727	12BB4		PROTO-CUNEIFORM SIGN ZATU764
12B84		PROTO-CUNEIFORM SIGN ZATU728	12BB5		PROTO-CUNEIFORM SIGN ZATU765
12B85		PROTO-CUNEIFORM SIGN ZATU729	12BB6		PROTO-CUNEIFORM SIGN ZATU766
12B86		PROTO-CUNEIFORM SIGN ZATU730	12BB7		PROTO-CUNEIFORM SIGN ZATU767
12B87		PROTO-CUNEIFORM SIGN ZATU732	12BB8		PROTO-CUNEIFORM SIGN ZATU772
12B88		PROTO-CUNEIFORM SIGN ZATU734	12BB9		PROTO-CUNEIFORM SIGN ZATU773-A
12B89		PROTO-CUNEIFORM SIGN ZATU735-A	12BBA		PROTO-CUNEIFORM SIGN ZATU773-B
12B8A		PROTO-CUNEIFORM SIGN ZATU735-B	12BBC		PROTO-CUNEIFORM SIGN ZATU774
12B8B		PROTO-CUNEIFORM SIGN ZATU735-C	12BBD		PROTO-CUNEIFORM SIGN ZATU776
12B8C		PROTO-CUNEIFORM SIGN ZATU736-A	12BBE		PROTO-CUNEIFORM SIGN ZATU777
12B8D		PROTO-CUNEIFORM SIGN ZATU736-B	12BBF		PROTO-CUNEIFORM SIGN ZATU778
12B8E		PROTO-CUNEIFORM SIGN ZATU737	12BC0		PROTO-CUNEIFORM SIGN ZATU780
12B8F		PROTO-CUNEIFORM SIGN ZATU737 TIMES AB-A			
12B90		PROTO-CUNEIFORM SIGN ZATU737 TIMES BU-A			
12B91		PROTO-CUNEIFORM SIGN ZATU737 TIMES BUR-A			
12B92		PROTO-CUNEIFORM SIGN ZATU737 TIMES DI			

12BC1		PROTO-CUNEIFORM SIGN ZATU781	12BE1		PROTO-CUNEIFORM SIGN ZATU836
12BC2		PROTO-CUNEIFORM SIGN ZATU782	12BE2		PROTO-CUNEIFORM SIGN ZATU847
12BC3		PROTO-CUNEIFORM SIGN ZATU783	12BE3		PROTO-CUNEIFORM SIGN ZATU850
12BC4		PROTO-CUNEIFORM SIGN ZATU784	12BE4		PROTO-CUNEIFORM SIGN ZATU851
12BC5		PROTO-CUNEIFORM SIGN ZATU786	12BE5		PROTO-CUNEIFORM SIGN ZATU854
12BC6		PROTO-CUNEIFORM SIGN ZATU787	12BE6		PROTO-CUNEIFORM SIGN ZATU858
12BC7		PROTO-CUNEIFORM SIGN ZATU788	12BE7		PROTO-CUNEIFORM SIGN ZATU859
12BC8		PROTO-CUNEIFORM SIGN ZATU791	12BE8		PROTO-CUNEIFORM NUMERIC SIGN TWO
12BC9		PROTO-CUNEIFORM SIGN ZATU792	12BE9		LAGAB-A
12BCA		PROTO-CUNEIFORM SIGN ZATU795	12BEA		PROTO-CUNEIFORM NUMERIC SIGN THREE
12BCB		PROTO-CUNEIFORM SIGN ZATU797	12BEB		LAGAB-A
12BCC		PROTO-CUNEIFORM SIGN ZATU798	12BEC		PROTO-CUNEIFORM NUMERIC SIGN ONE N57
12BCD		PROTO-CUNEIFORM SIGN ZATU799	12BED		PROTO-CUNEIFORM NUMERIC SIGN TWO N57
12BCE		PROTO-CUNEIFORM SIGN ZATU800	12BEE		PROTO-CUNEIFORM NUMERIC SIGN THREE N57
12BCF		PROTO-CUNEIFORM SIGN ZATU801	12BEF		PROTO-CUNEIFORM NUMERIC SIGN FOUR N57
12BD0		PROTO-CUNEIFORM SIGN ZATU802	12BF0		PROTO-CUNEIFORM NUMERIC SIGN FIVE N57
12BD1		PROTO-CUNEIFORM SIGN ZATU802-B	12BF1		PROTO-CUNEIFORM NUMERIC SIGN SIX N57
12BD2		PROTO-CUNEIFORM SIGN ZATU803	12BF2		PROTO-CUNEIFORM NUMERIC SIGN SEVEN N57
12BD3		PROTO-CUNEIFORM SIGN ZATU804	12BF3		PROTO-CUNEIFORM NUMERIC SIGN EIGHT N57
12BD4		PROTO-CUNEIFORM SIGN ZATU806	12BF4		PROTO-CUNEIFORM NUMERIC SIGN NINE N57
12BD5		PROTO-CUNEIFORM SIGN ZATU807	12BF5		PROTO-CUNEIFORM NUMERIC SIGN ONE N57
12BD6		PROTO-CUNEIFORM SIGN ZATU808	12BF6		PROTO-CUNEIFORM NUMERIC SIGN ONE N58
12BD7		PROTO-CUNEIFORM SIGN ZATU809	12BF7		PROTO-CUNEIFORM NUMERIC SIGN TWO N58
12BD8		PROTO-CUNEIFORM SIGN ZATU810	12BF8		PROTO-CUNEIFORM NUMERIC SIGN THREE N58
12BD9		PROTO-CUNEIFORM SIGN ZATU811	12BF9		PROTO-CUNEIFORM NUMERIC SIGN FOUR N58
12BDA		PROTO-CUNEIFORM SIGN ZATU812	12BFA		PROTO-CUNEIFORM NUMERIC SIGN FIVE N58
12BDB		PROTO-CUNEIFORM SIGN ZATU813	12BFB		PROTO-CUNEIFORM NUMERIC SIGN EIGHT N58
12BDC		PROTO-CUNEIFORM SIGN ZATU819	12BFC		PROTO-CUNEIFORM NUMERIC SIGN NINE N58
12BDD		PROTO-CUNEIFORM SIGN ZATU832	12BFD		PROTO-CUNEIFORM NUMERIC SIGN ONE N58
12BDE		PROTO-CUNEIFORM SIGN ZATU833	12BFE		PROTO-CUNEIFORM NUMERIC SIGN ONE N58
12BDF		PROTO-CUNEIFORM SIGN ZATU834	12BFF		PROTO-CUNEIFORM NUMERIC SIGN ONE N58
12BE0		PROTO-CUNEIFORM SIGN ZATU835			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>) is condensed into a table which gives information on the entire PC signary. 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.

**Excluded Characters** Appendices C 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. If the sign is proposed for encoding in PC25, the hex codepoint and reference glyph are given in the middle of the case.

**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.,  $\text{cv}01$

**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 12690		PC25	 12690		 12690			
584x IV: 34p/17u; III: 370p/183u	o0980000	ZATU001	1 F207A					
AxAB <sub>2</sub>		UNP	( )  F2400	( )				
3x III: 3u	o0980001							
AxAN		EDI	{*}  o0980002	{*}				
AxEN~a  12691	{■■}	PC25	{■■}  12691	{■■}		{■■}  12691		
1x IV: 1p; III: 1p	o0980003	ZATU002						
AxŠUBUR  12692	{( )}	PC25	{( )}  12692	{( )}		{( )}  12692		
1x IV: 1p; III: 1p	o0980004	ZATU003						
AxZATU672  12693	{( )}	PC25	{( )}  12693	{( )}		{( )}  12693		
1x IV: 1p; III: 1p	o0980005	ZATU005						
Ax1(N14)  12694	{( )}	PC25	{( )}  12694	{( )}				
1x IV: 1p	o0980006	ZATU004						
A@g		EDI	 o0980007					
			F24CC					
A@t		UNP	~~~~ F2401	~~~~				
1x III: 1u	o0980008							
A <sub>2</sub> 12695		PC25	 12695		 12695	 12695		
2x IV: 1p; III: 2p	o0980009	ZATU006						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
AB~a 12696 450x IV: 34p/6u; III: 337p/93u	PC25 o0980010 ZATU007	12696	F207B 12696	12696	12696 F207B	12696	12696
AB~a×A@t  12697 2x IV: 1p/1u; III: 2p o0980011	PC25	12697 F207C	12697		12697		
AB~a×AŠ₂  12698 2x III: 2p o0980012 ZATU009	PC25 o0980013 ZATU389	12698 1F207D	12698 1F207D	F207D			
AB~a×KU₆~a  ZERO o0980014	UNP o0980015	F2402	F2403				
AB~a×SUKKAL  3x III: 3u o0980016	UNP	F2403	F2403				
AB~a×(ŠE~a&ŠE~a)  12699 3x III: 3p o0980017	PC25 o0980018	12699 1F207E	12699 1F207E				F207E
AB~a×X  ZERO o0980019	PC25 o0980020 ZATU011	F2404	F2404				
AB~a×ZATU659  1269A 3x III: 3p o0980021	PC25 o0980022 ZATU007	1269A	1269A	1269A			
AB~a×1(N01)  ZERO o0980023	PC25 o0980024	F2405	F2405				
AB~a×1(N04)  1269B 3x III: 3p o0980025	PC25 o0980026 ZATU012	1269B	1269B				1269B
AB~a@g 1269C 3x IV: 1u; III: 1p/1u o0980027	PC25 o0980028 ZATU013	1269C	1269C	1269C			
AB~b 1269D 90x IV: 1p/2u; III: 54p/32u o0980029	PC25 o0980030 ZATU014	1269D	1269D	1269D	1269D	1269D	1269D
AB~b×A  UNP 1x III: 1u o0980031 ZATU008	UNP o0980032 ZATU009	F2406	F2406				
AB~b×KU₆~a  UNP 1x III: 1u o0980033 ZATU010	UNP o0980034 ZATU011	F2407	F2407				
AB~b×ŠA₃~a1  UNP 1x III: 1u o0980035 ZATU012	UNP o0980036 ZATU013	F2408	F2408				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>AB<sub>2</sub></b> 1269E  350x IV: 83p/7u; III: 254p/51u	PC25  o0980025 ZATU012	 1269E 1 F207F 2 F2080	 1269E	 F2080	 1269E F207F	 1269E	
<b> AB<sub>2</sub>x2(N14) </b> 1269F  2x IV: 2p; III: 2p	PC25  o0980026 ZATU013	 1 F2081  1269F	 1269F	 F2081			
<b>AB<sub>2@g</sub></b>  1x	UNP  o0980027	 F2525	 F2525				
<b>ABGAL</b>  51x III: 42p/9u	PC25-sq  o0980028 ZATU015	 F2082  1 F2083	 F2082		 F2082		
<b>ABRIG</b>  2x III: 2p	PC25-sq  o0980029 ZATU016	 F2084  1 F2085	 F2084	 F2085			
<b>ABZU</b> 126A0  5x III: 5p	PC25  o0980030 ZATU017	 1 F2227  126A0	 F2227	 126A0			 126A0
<b>AD~a</b> 126A1  51x III: 37p/14u	PC25  o0980031 ZATU018	 126A1	 126A1	 126A1	 126A1	 126A1	
<b>AD~b</b> 126A2  3x IV: 1p; III: 2p	PC25  o0980032 ZATU018	 126A2	 126A2	 126A2			
<b>AD~c</b> 126A3  9x IV: 1p; III: 6p/2u	PC25  o0980033 ZATU018	 126A3	 126A3			 126A3	
<b>ADAB</b> 126A4  44x IV: 15p/4u; III: 22p/9u	PC25  o0980034 ZATU019	 126A4  1 F2086	 126A4	 126A4	 126A4	 126A4	
<b>ADDA</b> 126A5  1x III: 1p	PC25  o0980035 ZATU020	 126A5	 126A5	 126A5			
<b>ADDA@t</b>  o0980036	ZERO	 F2409	 F2409				
<b>AGAR<sub>2</sub></b> 126A6  18x III: 16p/2u	PC25  o0980037 ZATU022	 126A6	 126A6	 126A6	 126A6		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
AK~a 126A7 56x IV: 8p/1u; III: 39p/12u	- PC25 o0980038 ZATU023	- 126A7	- 126A7	- 126A7	- 126A7	- 126A7	
AK~b 126A8 2x IV: 2p	- PC25 o0980039 ZATU023	- 126A8	- 126A8				
AL 126A9 132x IV: 11p/3u; III: 87p/39u	- PC25 o0980040 ZATU024	- 126A9	- 126A9	- 126A9	- 126A9	- 126A9	
ALAN~a 126AA 8x IV: 2u; III: 7p/1u	- PC25 o0980041 ZATU025	- 126AA	- 126AA				
ALAN~b 126AB 7x III: 4p/3u	- PC25 o0980042 ZATU025	- 126AB	- 126AB				
ALAN~c 126AC 8x IV: 1u; III: 5p/2u	- PC25 o0980043 ZATU025	- 126AC	- 126AC				
ALAN~d 126AE 1x IV: 1u	UNP o0980044 ZATU025	- F240A	- F240A				
ALAN~e 126AD 2x III: 2p	- PC25 o0980045 ZATU025	- 126AD	- 126AD			- 126AD	
ALAN~f 126AF o0980046	EDI	- F24CD	- F24CD				
ALIM 126AE 12x III: 10p/2u	- PC25 o0980047 ZATU026	- 126AE	- 126AE	- (a) 126AE			
AM~a 126AF 2x III: 2p	- PC25 o0980048 ZATU027	- 126AF	- 126AF				
AM~b 126B0 2x III: 2p	- PC25 o0980049 ZATU027	- 126B0	- 126B0	- 126B0			
AMA~a 126B1 105x IV: 19p/1u; III: 71p/20u	- PC25 o0980050 ZATU028	- 126B1 <sup>1</sup> F2087	- 126B1 <sup>1</sup> F2087	- 126B1 <sup>1</sup> F2087	- 126B1 <sup>1</sup> F2087	- 126B1 <sup>1</sup> F2087	
AMA~axE~a  126B2 4x III: 3p/1u	- PC25 o0980051	- 126B2	- 126B2			- 126B2	
AMA~b 126B3 6x IV: 1p/1u; III: 4p	- PC25 o0980052 ZATU028	- 126B3	- 126B3				
AMAR 126B4 164x IV: 23p/8u; III: 105p/29u	- PC25 o0980053 ZATU029	- 1 F2088 <sup>1</sup> 126B4 <sup>2</sup> F2089	- 1 F2088 <sup>1</sup> 126B4 <sup>2</sup> F2089	- 126B4	- F2088	- 126B4	- 126B4

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
AMAR.1(N02)  2x III: 2p	PC25-sq o0980054	 F222B				 F222B	
AMAR×TAR~c  126B5	PC25 AKA:  AMAR×TAR  CDLI:  AMAR×TAR  1x IV: 1p; III: 1p	 126B5	 126B5		 126B5 (o)		
AMAR&AMAR  126B6	PC25 1x IV: 1p	 126B6	 126B6				
AMAR@g CDLI:  AMAR@g  1x IV: 1p	PC25-bk o0980057	 F240B					
AN 126B7 992x IV: 106p/20u; III: 630p/274u	PC25 o0980058 ZATU031	 <sup>1</sup> F208A <sup>2</sup> F208B 126B7	 126B7	 F208A 126B7	 F208B 126B7	 126B7	 126B7
ANŠE~a 126B8 9x IV: 3p/2u; III: 4p/1u	PC25 o0980059 ZATU032	 126B8	 126B8				
ANŠE~b 126B9 32x IV: 1p/1u; III: 21p/9u	PC25 o0980060 ZATU032	 126B9	 126B9	 126B9 (a)	 126B9	 126B9	 126B9
ANŠE~c 126BA 4x IV: 1p; III: 3p/1u	PC25 o0980061 ZATU032	 126BA	 126BA				
ANŠE~e 126BB 9x IV: 3p; III: 4p/2u	PC25 o0980062 ZATU032	 126BB	 126BB				
ANŠE~f 126BC 5x III: 5p	PC25 o0980063 ZATU032	 126BC	 126BC				 126BC
ANZU <sub>2</sub> o0980064	EDI	 F222C	 F222C				
APIN~a 126BD AKA: APIN 230x IV: 20p/5u; III: 154p/65u	PC25 o0980065 ZATU033	 126BD	 126BD	 126BD	 126BD	 126BD	 126BD
APIN~a.APIN~a  1x IV: 1p	PC25-sq o0980066	 F222D	 F222D				
APIN~b 126BE 13x III: 9p/3u	PC25 o0980067 ZATU033	 126BE	 126BE	 126BE	 126BE		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>APIN<sub>c</sub></b> 126BF	PC25						
2x IV: 1p; III: 1p o0980068 ZATU033	126BF			126BF			
<b>ARARMA<sub>2~a</sub></b> 126C0	PC25						
12x III: 7p/5u o0980069 ZATU034	<sup>1</sup> F208C 126C0						
<b>ARARMA<sub>2~b</sub></b>	PC25-sq						
2x IV: 1p; III: 1p o0980070 ZATU034	F2274			F2274			
<b>ARATTA</b>	PC25-sq						
1x III: 1p o0980071 ZATU035	F22A1						
<b>ASAL<sub>2</sub></b>	EDI						
o0980072	F24CE						
<b>ASAR</b> 126C1	PC25						
19x III: 17p/2u o0980073 ZATU036	126C1		126C1	126C1			
<b>AS<sub>2</sub></b>	UNP						
1x III: 1u o0980074	F240C						
<b>AZ</b> 126C2	PC25						
21x III: 20p/1u o0980075 ZATU038	126C2						
<b>AZU</b> 126C3	PC25						
2x IV: 2p; III: 1p o0980076 ZATU039	126C3			126C3			
<b>BA</b> 126C4	PC25						
779x IV: 112p/17u; III: 516p/202u o0980077 ZATU040	126C4		126C4	126C4	126C4	126C4	126C4
<b>BAD</b> 126C5	PC25						
104x IV: 19p/3u; III: 74p/23u o0980078 ZATU041	126C5		126C5	126C5	126C5		
<b> BAD&amp;BAD </b> 126C6	PC25						
42x IV: 1p/2u; III: 30p/10u o0980079 ZATU042	126C6		126C6	126C6			
<b>BAD<sub>3~a</sub></b> 126C7	PC25						
2x III: 2p o0980080 ZATU044	126C7		126C7	126C7			
<b>BAD<sub>3~b1</sub></b> 126C8	PC25						
4x III: 1p/3u o0980081 ZATU044	126C8		126C8				
<b>BAD<sub>3~b2</sub></b> 126C9	PC25						
AKA:  EZEM~b~AN  4x III: 3p/1u o0980082 ZATU044	126C9		126C9				
<b>BAHAR<sub>2~a</sub></b> 126CA	PC25						
22x IV: 1p/2u; III: 11p/6u o0980083 ZATU045	<sup>1</sup> F208D 126CA			F208D			

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
BAHAR <sub>2</sub> -b 126CB 27x IV: 1p/1u; III: 18p/8u	PC25 o0980084 ZATU045	1 F208E 126CB	126CB		126CB	126CB	
BAHAR <sub>2</sub> -c 126CC 19x III: 14p/5u	PC25 o0980085 ZATU045	126CC			126CC	126CC	
BALA~a 126CD 19x III: 18p/1u	PC25 o0980086 ZATU046	126CD	126CD	126CD	126CD (b)	126CD	
BALA~b 126CE 2x IV: 1p; III: 2p	PC25 o0980087 ZATU046	1 F208F 126CE					
BALAG 126CF 20x IV: 7p/1u; III: 14p/3u	PC25 o0980088 ZATU047	126CF 1 F2090	126CF F2090	F2090	126CF F2090		
BAN~a 126D0 17x IV: 8p/1u; III: 10p/2u	PC25 o0980089 ZATU048	1 F2091 2 F2092 126D0	126D0		126D0		
BAN~b 126D1 16x IV: 1u; III: 2p/13u	PC25 o0980090 ZATU048	126D1	126D1	126D1	126D1	126D1	
BANŠUR~a 126D2 1x IV: 1p; III: 1p	PC25 o0980091 ZATU049	126D2			126D2		
BANŠUR~a@t 126D3 1x IV: 1p	PC25 o0980092	126D3					
BANŠUR~b1 126D4 3x III: 2p/1u	PC25 o0980093 ZATU049	126D4	126D4	126D4			
BANŠUR~b2 126D5 1x III: 1p	PC25 o0980094 ZATU049	126D5	126D5	126D5			
BANŠUR~c 126D6 2x III: 2p	PC25 o0980095 ZATU049	126D6	126D6	126D6			
BAPPIR~a 126D7 4x III: 3p/1u	PC25 o0980096 ZATU050	126D7					
BAPPIR~b 126D8 3x III: 3p	PC25 o0980097 ZATU050	126D8	126D8	126D8			
BAPPIR~c 126D9 1x III: 1p	PC25 o0980098 ZATU050	126D9	126D9				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
BAPPIR~d 126DA 6x III: 6p	PC25 o0980099 ZATU050	126DA					
BAPPIR~e 126DB 1x III: 1p	PC25 o0980100 ZATU050	126DB					
BAPPIR~f 126DC 1x III: 1p	PC25 o0980101 ZATU050	126DC					
BAR 126DD 426x IV: 27p/13u; III: 288p/113u	PC25 o0980102 ZATU051	126DD					
BAR×URI <sub>3</sub> ~a  o0980103	NOT	F252C					F252C
BAR×UŠ~a  o0980104	NOT	F253D					F253D
BARA <sub>2</sub> ~a 126DE 75x IV: 14p/5u; III: 45p/13u	PC25 o0980105 ZATU052	126DE 1 F2093	126DE	126DE	126DE	126DE	126DE F2093
BARA <sub>2</sub> ~b 126DF 4x IV: 4p; III: 1p	PC25 o0980106 ZATU052	126DF 1 F2094	126DF		126DF		
BARA <sub>3</sub> 126E0 18x III: 15p/3u	PC25 o0980107 ZATU053	126E0	126E0	126E0		126E0	
BAU405 CDLI:  UET <sub>2</sub> .405  o0980108	EDI	F24EF					
BIR~a 126E1 6x IV: 3p; III: 3p/1u	PC25 o0980109 ZATU054	126E1	126E1	126E1	126E1		
BIR~b 126E2 1x IV: 1p; III: 1p	PC25 o0980110 ZATU054	126E2	126E2				
BIR~c 126E3 1x IV: 1p; III: 1p	PC25 o0980111 ZATU054	126E3	126E3				
BIR <sub>3</sub> ~a 126E4 18x IV: 1p; III: 15p/3u	PC25 o0980112 ZATU055	126E4 1 F2095	126E4		126E4 F2095		126E4
BIR <sub>3</sub> ~b 126E5 7x IV: 3p; III: 4p/3u	PC25 o0980113 ZATU055	126E5 1 F2096	126E5	126E5 F2096			
BIR <sub>3</sub> ~c 126E6 4x III: 4p	PC25 o0980114 ZATU055	126E6 1 F2097	126E6	126E6			126E6 F2097

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
BU~a 126E7 568x IV: 48p/6u; III: 390p/153u o0980115 ZATU056	PC25	1 F2098 126E7	X 126E7	X 126E7	X 126E7	X 126E7	
((BU~a.DU <sub>6</sub> ~a)&(BU~a.DU <sub>6</sub> ~a))xDU~a  o0980116	ZERO	X F2523					X F2523
BU~a+DU <sub>6</sub> ~a  126E8 AKA:  BU~a.DU <sub>6</sub> ~a  61x IV: 3p/1u; III: 47p/10u o0980117 ZATU059	PC25	X 126E8 X 126E8 1 F2099	X 126E8	X 126E8 X F2099	X 126E8	X 126E8	
BU~a+KI  126E9 1x III: 1p o0980118	PC25	X 126E9					X 126E9
BU~a+TU~b  o0980119	ZERO	X F2526					X F2526
BU~axA  126EA 2x IV: 1p; III: 2p o0980120 ZATU057	PC25	X 126EA	X 126EA	X 126EA	X 126EA	X 126EA	
BU~axGIŠ@t  1x III: 1u o0980121	UNP	X F240D	X F240D				
BU~ax1(N58)  1x III: 1u o0980122	UNP	X F240E	X F240E				
(BU~a&BU~a).NA <sub>2</sub> ~a  126EB 8x IV: 1p; III: 8p o0980123 ZATU058	PC25	X 126EB X F209A	X F209A	X F209A			
(BU~a&BU~a).NA <sub>2</sub> ~b  o0982241 ZATU058	DEL	X F209B	X F209B				
(BU~a&BU~a).X  1x IV: 1p o0980124	PC25-bk	X F240F	X F240F				
(BU~a%BU~a).NA <sub>2</sub> ~a@n  126EC AKA:  (BU~a&BU~a).NA <sub>2</sub> ~a@n  CDLI:  (BU~a&BU~a).NA <sub>2</sub> ~a@n  2x IV: 2p; III: 1p o0980125	PC25	Y 126EC 1 F209B 2 F209C	X F209B	X F209C			
BU~b 126ED 14x IV: 2p; III: 12p/1u o0980126 ZATU056	PC25	X 126ED	X 126ED	X 126ED	X 126ED	X 126ED	
BU~b.NA <sub>2</sub> ~a  1x III: 1u o0980127	UNP	X F222E	X F222E				
BU <sub>3</sub> 126EE AKA: BU <sub>3</sub> ~a 30x III: 24p/6u o0980128 ZATU060	PC25	X 126EE	X 126EE	(a) 126EE		(a) 126EE	

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>BULUG</b> 126EF	PC25						
4× IV: 2p/1u; III: 2p o0980129 ZATU061							
<b>BULUG<sub>3</sub></b> 126F0	PC25						
35× III: 30p/5u o0980130 ZATU062							
<b>BULUG<sub>3</sub>.DU<sub>6~a</sub></b>	ZERO						
<b>BUR~a</b> 126F1	PC25						
37× IV: 1u; III: 27p/9u o0980132 ZATU063							
<b>BUR~b</b> 126F2	PC25						
8× IV: 1p; III: 7p o0980133 ZATU063							
<b>BUR~c</b> 126F3	PC25						
1× IV: 1p; III: 1p o0980134 ZATU063							
<b>BUR~d</b> 126F4	PC25						
1× III: 1p o0980135 ZATU063							
<b>BUR<sub>2</sub></b> 126F5	PC25						
52× IV: 2p/2u; III: 37p/13u o0980136 ZATU064							
<b>DA~a</b> 126F6	PC25						
243× IV: 23p/5u; III: 151p/74u o0980137 ZATU065							
<b>DA~a.LIŠ </b>	UNP						
1× III: 1u o0980138							
<b>DA~b</b> 126F7	PC25						
6× IV: 5p; III: 2p o0980139 ZATU065							
<b>DA~c</b> 126F8	PC25						
2× IV: 2p; III: 2p o0980140 ZATU065							
<b>DA~d</b> 126F9	PC25						
1× IV: 1p; III: 1p o0980141 ZATU065							
<b>DAG</b>	EDI						
<b>DAH</b> 126FA	PC25						
26× IV: 1p; III: 22p/4u o0980143 ZATU066							
<b>DAM</b> 126FB	PC25						
14× III: 14p o0980144 ZATU067							
<b>DANNA</b> 126FC	PC25						
9× IV: 1p; III: 3p/5u o0980145 ZATU068							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DAR~a 126FD 25x III: 14p/11u o0980146 ZATU069	PC25	126FD	126FD	126FD		126FD	
DAR~a×A  126FE 1x III: 1p o0980147	PC25	126FE	126FE				
DAR~b 126FF 27x III: 12p/15u o0980148 ZATU069	PC25	126FF	126FF			126FF	
DAR~c 12700 6x III: 4p/2u o0980149 ZATU069	PC25	12700	12700	12700			
DAR~d 1x III: 1u o0980150 ZATU069	UNP	F2410	F2410				
DARA <sub>3</sub> ~a 12701 4x IV: 3p; III: 3p/1u o0980151 ZATU070	PC25	12701	12701		12701		
DARA <sub>3</sub> ~b 12702 1x IV: 1p; III: 1p o0980152 ZATU070	PC25	12702	12702		12702		
DARA <sub>3</sub> ~c 12703 7x IV: 1p; III: 5p/2u o0980153 ZATU070	PC25	12703 1 F209D	12703 1 F209D	12703			
DARA <sub>3</sub> ~c×KAR <sub>2</sub>   12704 3x III: 2p/1u o0980154 ZATU071	PC25	12704 1 F209E	12704 1 F209E	12704 1 F209E		F209E	
DARA <sub>3</sub> ~c×(KAR <sub>2</sub> .ŠE~a)  12705 1x IV: 1p; III: 1p o0980155 ZATU072	PC25	12705	12705		12705		
DARA <sub>3</sub> ~d 12706 1x III: 1p o0980156 ZATU070	PC25	12706	12706	12706			
DARA <sub>3</sub> ~d×(KAR <sub>2</sub> .ŠE~a)  12707 1x III: 1p o0980157 ZATU072	PC25	12707	12707				
DARA <sub>3</sub> ~d×KAR <sub>2</sub> -b  12708 AKA:  DARA <sub>3</sub> ~d×KAR <sub>2</sub>    DARA <sub>3</sub> ~d×KAR <sub>2</sub>  -b CDLI:  DARA <sub>3</sub> ~d×KAR <sub>2</sub>  -b 8x IV: 2p; III: 5p/3u o0980158 ZATU071	PC25	12708 2 F20A0	12708 2 F20A0	12708 2 F20A0		F209F	

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DARA <sub>4</sub> ~a1 12709 31x IV: 2p; III: 23p/4u	PC25 o0980159 ZATU073	12709	12709	12709		12709	
DARA <sub>4</sub> ~a2 1270A 3x IV: 3p; III: 2p	PC25 o0980160 ZATU073	1270A	1270A		1270A		
DARA <sub>4</sub> ~a3 1270B 2x IV: 1p/1u	PC25 o0980161 ZATU073	1270B	1270B	1270B			
DARA <sub>4</sub> ~b 1270C 6x IV: 3p/1u; III: 2p/1u	PC25 o0980162 ZATU073	1270C	1270C	1270C	1270C		
DARA <sub>4</sub> ~c 1270D 1x III: 1p	PC25 o0980163 ZATU073	1270D					1270D
DARA <sub>4</sub> ~c1 1270E 19x IV: 1p; III: 9p/9u	PC25 o0980164 ZATU073	1270E	1270E	1270E		1270E	
DARA <sub>4</sub> ~c2 1270F 27x IV: 3p; III: 17p/7u	PC25 o0980165 ZATU073	1270F	1270F				
DARA <sub>4</sub> ~c3 12710 5x III: 4p/1u	PC25 o0980166 ZATU073	12710	12710				
DARA <sub>4</sub> ~c4 12711 11x III: 7p/4u	PC25 o0980167 ZATU073	12711	12711				
DARA <sub>4</sub> ~c5 12712 1x III: 1p	PC25 o0980168 ZATU073	12712	12712				
DARA <sub>4</sub> ~d 12713 1x III: 1p	PC25 o0980169 ZATU073	12713	12713				12713
DI 12714 128x IV: 16p/3u; III: 86p/35u	PC25 o0980170 ZATU075	12714	12714	12714	12714	12714	12714
DI@t 12715 3x IV: 1p; III: 2p/1u	PC25 o0980171	12715	12715	12715			
DIB 12716 5x IV: 2p; III: 4p	PC25 o0980172 ZATU076	12716 1 F20A1 2 F20A2	12716 1 F20A1 2 F20A2	12716 1 F20A1	12716		F20A2

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DILMUN 12717	PC25	1 F20A3 12717 2 F20A4	12717	12717	F20A3		
34x IV: 1p; III: 26p/8u	o0980173 ZATU077						
DIM~a 12718	PC25	12718 1 F20A5			12718 F20A5	12718	
56x IV: 5p; III: 33p/22u	o0980174 ZATU078						
DIM~a×GU	EDI o0980175	12718 F24F3					
DIM~a×X	EDI o0980176	12718 F24F4					
DIM~b 12719	PC25	12719	12719		12719		
4x IV: 2p; III: 4p	o0980177 ZATU078						
DIM~c 1271A	PC25	1271A	1271A	1271A			
21x IV: 2p; III: 17p/2u	o0980178 ZATU078						
DIN 1271B	PC25	1271B	1271B	1271B	1271B	1271B	
97x IV: 32p/13u; III: 47p/20u	o0980179 ZATU079						
DIN×1(N58)  1271C	PC25	1271C					1271C
AKA:  DIN+1(N57)  1x III: 1p	o0980180						
DIN@t 1271D	PC25	1271D	1271D				
3x IV: 1p/1u; III: 1p/1u	o0980181 ZATU080						
DU 1271E	PC25	1271E	1271E	1271E	1271E	1271E	
481x IV: 20p/10u; III: 304p/153u	o0980182 ZATU082						
DU×1(N58@t)  1271F	PC25	1271F	1271F		1271F		
AKA:  DU×DIŠ  CDLI:  DU×DIŠ  3x III: 3p	o0980183						
DU@g 12720	PC25	12720	12720		12720		
4x III: 1p/3u	o0980184						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DU <sub>6~a</sub> 12721	PC25	1 F20A6 12721 2 F20A7 3 F20A8	12721	F20A7	(b) F20A8		
15x IV: 1p; III: 14p/1u	o0980185	ZATU083					
DU <sub>6~a</sub> *1(N58)  12722	PC25	12722	12722				
AKA:  DU <sub>6~a</sub> *Diš  CDLI:  DU <sub>6~a</sub> *Diš  1x III: 1p	o0980186						
DU <sub>6~a@n</sub>	ZERO	F2539					
o0980187							
DU <sub>6~b</sub> 12723	PC25	12723	12723	12723	12723		
31x IV: 1p; III: 27p/3u	o0980188	ZATU083					
DU <sub>6~c</sub> 12724	PC25	12724	12724	12724			
1x IV: 1p; III: 1p	o0980189	ZATU083					
DU <sub>7</sub> 12725	PC25	12725	12725	12725			
7x III: 4p/3u	o0980190	ZATU084					
DU <sub>8~a</sub> 12726	PC25	12726	12726				
1x IV: 1p	o0980191	ZATU085					
DU <sub>8~b</sub> 12727	PC25	12727 1 F20A9	12727		12727		
2x IV: 2p; III: 1p	o0980192	ZATU085					
DU <sub>8~c</sub> 12728	PC25	12728	12728		12728	12728	
40x IV: 6p; III: 34p/5u	o0980193	ZATU085					
DU <sub>8~c</sub> *AB <sub>2</sub>   12729	PC25	12729					12729
1x III: 1p	o0980194						
DU <sub>8~c</sub> *AMAR  1272A	PC25	1272A					1272A
8x III: 8p	o0980195						
DU <sub>8~c</sub> *HI  1272B	PC25	1272B	1272B		1272B		
3x IV: 1p; III: 1p	o0980196						
DU <sub>8~c</sub> *UDU~a  1272C	PC25	1272C	1272C				
8x III: 4p/4u	o0980197						
DU <sub>8~c</sub> X	ZERO	F2411	F2411				
	o0980198						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DU <sub>g~c@g</sub> 1272D	PC25 	1272D  F20AA 	1272D 				
AKA: DU <sub>g@g~c</sub> 21× IV: 1u; III: 16p/4u	o0980199 ZATU698						
DUB~a 1272E	PC25 	1272E 	1272E 	1272E 	1272E 	1272E 	1272E 
155× IV: 5p/2u; III: 104p/45u	o0980200 ZATU086						
DUB~b 1272F	PC25 	1 F20AB  2 F20AC  3 F20AD  4 F20AE  1272F  F20AC  F20AE 					
69× IV: 36p/4u; III: 48p/8u	o0980201 ZATU086						
DUB~b@r	UNP 	F252A 					
1× IV: 1u	o0980202						
DUB~c 12730	PC25 	12730 					
1× IV: 1p	o0980203 ZATU086						
DUB~d 12731	PC25 	12731 		12731 			
4× IV: 1p/1u; III: 2p	o0980204 ZATU086						
DUB~e 12732	PC25 	12732 					
1× III: 1p	o0980205 ZATU086						
DUB~f 12733	PC25 	12733 					
4× III: 4p	o0980206 ZATU086						
DUB~h 12734	PC25 	12734 					12734 
1× III: 1p	o0980207 ZATU086						
(DUB@n~a×1(N58))~a  12735	PC25 	12735 					
AKA:  (DUB×DIŠ)~a  CDLI:  (DUB×DIŠ)~a  5× IV: 5p; III: 5p	o0980208 ZATU087						
(DUB@n~a×1(N58))~b  12736	PC25 	12736 		12736 (c) 	12736 		
AKA:  (DUB×DIŠ)~c  CDLI:  (DUB×DIŠ)~c  1× III: 1p	o0980209 ZATU087						
DUB@n~b×1(N58))~a  12737	PC25 	12737 			12737 		
AKA:  (DUB×DIŠ)~b  CDLI:  (DUB×DIŠ)~b  1× IV: 1p; III: 1p	o0980210 ZATU087						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DUB <sub>2</sub> 12738 2× III: 2p	PC25 o0980211	12738	12738				
DUG~a 12739 252× IV: 30p/10u; III: 193p/30u	PC25 o0980212 ZATU088	1 F20AF 2 F20BO 12739	1 F20AF 2 F20BO 12739	12739	F20AF F20BO 12739	12739	12739
DUG~a×HI	EDI o0980213	F24F5	F24F5				
DUG~a×KASKAL	UNP	F2412	F2412				
1× III: 1u	o0980214 ZATU103						
DUG~a×KU <sub>6</sub> ~a	PC25	1273A	1273A				1273A
1× III: 1p	o0980215 ZATU104						
DUG~a×LAM~b	UNP	F2413	F2413				
1× III: 1u	o0980216 ZATU106						
DUG~a×NAGA~a	PC25	1273B	1273B				1273B
1× III: 1p	o0980217 ZATU109						
DUG~a×U <sub>2</sub> ~a	PC25	1273C	1273C				1273C
1× III: 1p	o0980218 ZATU122						
DUG~a×U <sub>2</sub> ~b	PC25	1273D	1273D				
2× IV: 1p; III: 1p/1u	o0980219 ZATU122						
DUG~a×X	EDI	F24F6	F24F6				
	o0980220						
DUG~a×1(N57)	PC25	1273E	1273E	1273E			1273E
9× IV: 1u; III: 8p	o0980221 ZATU091						
DUG~b 1273F 130× IV: 37p/12u; III: 79p/23u	PC25 o0980222 ZATU088	1 F20B1 1273F	1 F20B1 1273F	1273F	F20B1 1273F	1273F	
DUG~b×AB <sub>2</sub>	PC25	12740	12740	12740	12740		
2× IV: 1p; III: 2p	o0980223 ZATU089						
DUG~b×ANŠE~b	PC25	12741	12741	12741			
5× III: 5p	o0980224 ZATU090						
DUG~b×ANŠE~d	PC25	12742	12742	12742			
2× III: 2p	o0980225 ZATU090						
DUG~b×BALA~a	PC25	12743	12743	12743			
10× III: 10p	o0980227 ZATU094						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DUG~b×BIR <sub>3</sub> ~c  12744 2× III: 1p/1u	PC25 o0980228 ZATU095	12744	12744	12744			
DUG~b×DIN  12745 18× IV: 1p/4u; III: 12p/1u	PC25 o0980229 ZATU096	1 F20B2 12745	1 F20B2 12745	12745			
(DUG~b×DIN)@r  12746 AKA:  DUG~b@r×DIN  1× IV: 1p	PC25 o0980230	12746	12746				
DUG~b×E~a  1× III: 1u	UNP o0980231	F2414	F2414				
DUG~b×GA~a  12747 2× III: 1p/1u	PC25 o0980232 ZATU097	12747	12747	12747			
DUG~b×GA~b  12748 2× III: 2p	PC25 o0980233 ZATU097	12748	12748	12748			
DUG~b×GEŠTU~a  12749 6× III: 5p/1u	PC25 o0980234 ZATU098	1 F20B3 12749	1 F20B3 12749	12749			
DUG~b×GEŠTU~b  1274A 1× III: 1p	PC25 o0980235 ZATU098	1274A	1274A	1274A			
DUG~b×GI <sub>6</sub>   1274B 3× III: 3p	PC25 o0980236 ZATU099	1274B	1274B	1274B			
DUG~b×GIŠ  1274C 7× III: 6p/1u	PC25 o0980237 ZATU100	1274C	1274C	1274C			
DUG~b×HI  1274D 9× IV: 2p/1u; III: 7p	PC25 o0980238 ZATU101	1 F20B4 1274D	1 F20B4 1274D	1274D 1274D			
DUG~b×HI@g~a  1274E 7× IV: 7p; III: 7p	PC25 o0980239 ZATU102	1274E	1274E	1274E			
DUG~b×KASKAL  1274F 10× III: 10p	PC25 o0980240 ZATU103	1274F	1274F	1274F			
DUG~b×KU <sub>6</sub> ~a  12750 2× III: 2p	PC25 o0980241 ZATU104	12750	12750	12750			
DUG~b×KUR~a  12751 3× III: 3p	PC25 o0980242 ZATU105	12751	12751	12751			

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DUG~b×(KUR~a.X)  1× III: 1p	PC25-bk o0980243		 F2415	 F2415			
DUG~b×KUR~b  12752 2× III: 1p/1u	PC25 o0980244 ZATU105		 12752	 12752			
DUG~b×KUR@g~a  12753 4× III: 4p	PC25 o0980245 ZATU107		 12753	 12753			
DUG~b×LAM~a  12754 4× III: 3p/1u	PC25 o0980246 ZATU106		 12754	 12754			
DUG~b×MAŠ  12755 16× IV: 2p/2u; III: 13p/1u	PC25 o0980247 ZATU108		<sup>1</sup>  F20B5  12755	 12755			
DUG~b×NAGA~a  12756 9× III: 6p/3u	PC25 o0980248 ZATU109		 12756	 12756			
DUG~b×NAM <sub>2</sub>   12757 1× III: 1p	PC25 o0980249		 12757	 12757			
DUG~b×(NI~a@g.ZATU779)  1× III: 1u	UNP o0980250		 F2416				
DUG~b×SA~a  12758 6× III: 5p/1u	PC25 o0980251 ZATU110		 12758	 12758			
DUG~b×(SA~a.GI)  12759 CDLI: *DUG~b+SA~a+GI 4× III: 4p	PC25 o0980252 ZATU111		 12759	 12759			
DUG~b×SI <sub>4</sub> ~a  1275A 6× III: 6p	PC25 o0980253 ZATU112		 1275A	 1275A			
DUG~b×(SI <sub>4</sub> ~a.X)  1× III: 1p	PC25-bk o0980254		 F2417	 F2417			
DUG~b×SIG <sub>2</sub> ~a1  1275B 3× III: 3p	PC25 o0980255 ZATU113		 1275B	 1275B			
DUG~b×SIG <sub>2</sub> ~a2  1275C 2× III: 2p	PC25 o0980256 ZATU113		 1275C	 1275C			
DUG~b×SIG <sub>7</sub>   1275D 20× III: 19p/1u	PC25 o0980257 ZATU114		 1275D	 1275D			
DUG~b×SUHUR  1275E 1× III: 1p	PC25 o0980258 ZATU115		 1275E	 1275E			
DUG~b×SUKUD~d  1× III: 1u	UNP o0980259 ZATU116		 F252B				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DUG~b×ŠAH₂~a  1275F 4x III: 4p	PC25 o0980260 ZATU117	PC25	1275F	1275F			
DUG~b×ŠE~a  12760 18x IV: 5p; III: 16p	PC25 o0980261 ZATU118	PC25	1 F20B6 2 F20B7 12760 12760	12760			
DUG~b×(ŠE~a.NAM₂)  12761 7x III: 7p	PC25 o0980262 ZATU119	PC25	12761	12761			
DUG~b×TAK₄~a  12762 5x III: 4p/1u	PC25 o0980263 ZATU120	PC25	12762	12762			
DUG~b×(TAK₄~a.SA~a)  12763 2x III: 1p/1u	PC25 o0980264	PC25	12763	12763			
DUG~b×(TAK₄~a.SAL)  12764 1x III: 1p	PC25 o0980265	PC25	12764	12764			
DUG~b×TI  12765 7x III: 7p	PC25 o0980266 ZATU121	PC25	12765	12765			
DUG~b×U₂~a  12766 2x III: 1p/1u	PC25 o0980267 ZATU122	PC25	12766	12766			
DUG~b×U₂~b  12767 2x III: 1p/1u	PC25 o0980268 ZATU122	PC25	1 F20B8 2 F20B9 12767 3 F20BA	F20BA			
DUG~b×(UDU~a×TAR~b)  12768 2x III: 2p	PC25 o0980269	PC25	12768				12768
DUG~b×UH₃~a  12769 3x III: 3p	PC25 o0980270 ZATU123	PC25	12769	12769			
DUG~b×UH₃~a@t  1276A 1x III: 1p	PC25 o0980271	PC25	1276A	1276A			
DUG~b×X  128x IV: 3p/3u; III: 110p/14u	PC25-bk o0980272	PC25-bk	1 F20BC 2 F20BB	F20BB	F20BB		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DUG~b×ZATU707~a  1× III: 1u o0980273	UNP F2418						
DUG~b×ZATU764  1276B 2× III: 2p o0980274 ZATU124	PC25 						
DUG~b×ZATU779  1276C 4× III: 2p/2u o0980275	PC25 						
DUG~b×ZATU780  1276D 2× III: 2p o0980276	PC25 						
DUG~b×ZATU781  1276E 3× III: 3p o0980277	PC25 						
DUG~b×(ZATU789.SA~a)  1276F 1× III: 1p o0980278	PC25 						
DUG~b×1(N57)  12770 10× IV: 5p/1u; III: 6p/1u o0980279 ZATU091	PC25 	 1 F20BD 					
DUG~b×(1(N57).KU <sub>3</sub> ~a)  12771 3× III: 3p o0980280 ZATU092	PC25 						
DUG~b×3(N57)  12772 1× III: 1p o0980282	UNP F2419						
(DUG~b&DUG~b)×1(N58)  12773 AKA:  DUG~b&(DUG~b×1(N58))  1× IV: 1p o0980283	PC25 						
DUG~c 12774 224× IV: 42p/20u; III: 138p/32u o0980284 ZATU088	PC25 	 1 F20BE 					
DUG~c×1(N57)  12775 69× IV: 18p/7u; III: 42p/6u o0980285 ZATU091	PC25 	 1 F20BF 2 F20CO 					
DUG~c@t 12776 1× IV: 1p o0980286	PC25 						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DUG~d 12777	PC25 	12777 F20C1 			12777 (e) F20C1 		
4x III: 4p	o0980287 ZATU088						
DUGUD 12778	PC25 	12778 	12778 				
1x III: 1p	o0980288 ZATU125						
DUR~a 12779	PC25 	12779 	12779 	12779 	12779 		
24x IV: 20p/1u; III: 11p/1u	o0980289 ZATU126						
DUR~b 1277A	PC25 	1277A F20C2 	1277A 		1277A 	1277A F20C2 	
49x IV: 1p; III: 30p/15u	o0980290 ZATU126						
DUR <sub>2</sub> 1277B	PC25 	1277B 	1277B 	1277B 	1277B 		
75x IV: 4p; III: 55p/17u	o0980291 ZATU127						
E~a 1277C	PC25 	1277C 	1277C 				
86x IV: 1p; III: 79p/6u	o0980292 ZATU128						
E~b 1277D	PC25 	1277D 	1277D 				
24x IV: 1u; III: 19p/4u	o0980293 ZATU128						
E~c 1277E	PC25 	1277E 	1277E 	1277E 			
1x IV: 1p; III: 1p	o0980294 ZATU128						
E~d	UNP						
1x IV: 1u	o0980295 ZATU128	F241A 					
E~e	EDI						
		F24D0 					
E <sub>2</sub> ~a 1277F	PC25 	1277F 	1277F 	1277F 	1277F 		
AKA: E <sub>2</sub> 608x							
IV: 14p/11u; III: 449p/141u	o0980297 ZATU129						
E <sub>2</sub> ~a.LiŠ	UNP						
1x III: 1u	o0980298	F2232 					
E <sub>2</sub> ~a×3(N58)	UNP						
1x III: 1u	o0980299	F241B 					
E <sub>2</sub> ~a×1(N58@t)	PC25 	12780 	12780 			12780 	
AKA:  E <sub>2</sub> ~a×1(N57)@t  CDLI:  E <sub>2</sub> ~a×1(N57)@t							
38x III: 38p	o0980300 ZATU131						
E <sub>2</sub> ~b 12781	PC25 	12781 	12781 	12781 	12781 		
201x							
IV: 5p/1u; III: 105p/88u	o0980301 ZATU129						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
E₂~b.LIŠ  1× III: 1u o0980302	UNP F2234						
E₂~b×1(N58@t)  12782 AKA:  E₂~b×1(N57)@t  CDLI:  E₂~b×1(N57)@t  6× III: 5p/1u o0980303 ZATU131	PC25						
E₂~c 12783 1× III: 1p o0980304 ZATU129	PC25 12783						
E₂~d 12784 2× III: 2p o0980305 ZATU129	PC25 12784						
E₃~a 2× IV: 1u; III: 1p/1u o0980306 ZATU132	UNP F2231						
E₃~b 12785 1× III: 1p o0980307 ZATU132	PC25 12785						
EDIN 12786 5× III: 5p o0980308 ZATU133	PC25 12786						
EN~a 12787 AKA: EN 1784x IV: 120p/47u; III: 1171p/487u o0980309 ZATU134	PC25 12787		 1 F20C3	 2 F20C4	 3 F20C5	 F20C3 F20C4 F20C5 12787	 F20C5
EN~b 12788 79× IV: 63p/11u; III: 40p/4u o0980310 ZATU134	PC25 12788		 1 F20C6	 F20C6	 F20C6		
EN~b@t 12789 1× IV: 1p; III: 1p o0980311	PC25 12789						
EN~c 1278A 15× III: 15p o0980312 ZATU134	PC25 1278A		 1 F20C7		 1278A	 1278A	
EN~c&EN~c  1× IV: 1u o0980313	UNP F241C						
EN~e 1× o0980314 ZATU134	UNP F241D						
EN@g~a 1278B 2× IV: 2p; III: 1p o0980315 ZATU137	PC25 1278B				 1278B		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
EN@g~b 1278C	PC25	1278C		1278C			
11× IV: 9p/2u; III: 4p o0980316 ZATU137							
EN <sub>2</sub> 1278D	PC25	1278D		1278D		1278D	
44× IV: 3p/1u; III: 22p/20u o0980317 ZATU138							
EN <sub>2</sub> ,E <sub>2</sub> ~a  4× III: 1p/3u o0980318	PC25-sq	F2237					
EN <sub>2</sub> ,E <sub>2</sub> ~b  AKA:  EN <sub>2</sub> ×E <sub>2</sub> ~b  21× III: 7p/14u o0980319	PC25-sq	F2238			F2238		
ENDIB	PC25-sq	F2236		F2236			
6× III: 6p o0980320 ZATU139							
ENGIZ	PC25-sq	F20C8 F20C9 F20CA		F20C8	F20C8	F20C8	
21× III: 20p/1u o0980321 ZATU140							
ENKUM	PC25-sq	F20CB F20CC		F20CB			
13× III: 9p/4u o0980322 ZATU141							
ENLIL	ZERO	F2235		F2235			
o0980323 ZATU142							
ENSI	EDI	F224E					
o0980324							
ENSI <sub>2</sub>	EDI	F2257					
o0980325							
ERIM~a 1278E	PC25	1278E		1278E		1278E	
218× IV: 45p/24u; III: 115p/59u o0980326 ZATU143							
ERIM~b1 1278F	PC25	1278F		1278F			
1× IV: 1p o0980327 ZATU143							
ERIM~b2 12790	PC25	12790		12790 (b) 12790		12790	
2× IV: 1p; III: 1p o0980328 ZATU143							
ERIM <sub>2</sub>	PC25-sq	F2255		F2255		F2255	
22× III: 18p/4u o0980329 ZATU144							
ERIN 12791	PC25	12791		12791		12791	
148× IV: 29p/4u; III: 113p/18u o0980330 ZATU145							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
EŠDA 12792	PC25						
126x IV: 24p/1u; III: 92p/27u	o0980331 ZATU147						
EŠDA×TAR-a  12793	PC25						
AKA:  EŠDA×TAR  CDLI:  EŠDA×TAR  1x III: 1p	o0980332 ZATU148						
EŠGAR 12794	PC25						
22x IV: 6p; III: 19p/3u	o0980333 ZATU149						
EZEN~a 12795	PC25		 1 F20CD				
22x IV: 9p/3u; III: 12p/4u	o0980334 ZATU150						
EZEN~a×EN~a	UNP						
1x IV: 1u	o0980335 ZATU151						
EZEN~a×EN~b  12796	PC25						
2x IV: 1p; III: 2p	o0980336 ZATU151						
EZEN~a×(HI×1(N57).AN)  12797	PC25						
AKA:  EZEN~a×(HI.1(N57).AN)  CDLI:  EZEN~a×(HI.1(N57).AN)  1x III: 1p	o0980337						
EZEN~a×KAB  12798	PC25						
1x IV: 1p; III: 1p	o0980338 ZATU152						
EZEN~a×KAŠ~b  12799	PC25						
2x III: 2p	o0980339						
EZEN~a×KI  1279A	PC25						
AKA:  EZEN~a+KI  1x III: 1p	o0980340						
EZEN~a×LA~e	EDI		 1 F20CE				
	o0980341		 1 F20CE				
EZEN~a×NIM~b2  1279B	PC25						
1x IV: 1p	o0980342 ZATU153						
EZEN~a×NIMGIR  1279C	PC25						
2x IV: 1p; III: 1p/1u	o0980343 ZATU154						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
EZEN~a×RAD~a  1279D 1× IV: 1p; III: 1p	PC25 o0980344 ZATU155	1279D	1279D		1279D		
EZEN~a×SAG  1× III: 1u	UNP o0980345	F241E	F241E				
EZEN~a×SU~a  1279E 8× III: 5p/3u	PC25 o0980346 ZATU156	1279E	1279E	1279E			
EZEN~a×(U <sub>2</sub> ~b.A)  1279F 5× IV: 1u; III: 1p/3u	PC25 o0980347 ZATU157	1279F	1279F				
EZEN~a×U <sub>4</sub>   127A0 1× IV: 1p	PC25 o0980348	127A0	127A0				
EZEN~a×X  2× IV: 1p; III: 1u	PC25-bk o0980349	F241F	F241F				
EZEN~b 127A1 87× IV: 1p; III: 68p/18u	PC25 o0980350 ZATU150	127A1	127A1	127A1	127A1	127A1	127A1
EZEN~b×ŠE~a@t  127A2 23× III: 19p/4u	PC25 o0980351	127A2					
EZEN~b×6(N57)  127A3 1× III: 1p	PC25 o0980352 ZATU411	127A3	127A3				
EZEN~b@t 127A4 AKA: EZEM~c EZEN~c CDLI:  EZEN~b@t  9× IV: 3p; III: 4p/3u	PC25 o0980353 ZATU150	127A4	127A4		127A4 (c)		
EZEN~c o0982242 ZATU150	DEL ZATU150	F24D1	F24D1				
EZINU~a 127A5 12× IV: 1u; III: 5p/6u	PC25 o0980354 ZATU158	127A5	127A5	127A5		127A5	
EZINU~b 127A6 1× III: 1p	PC25 o0980355 ZATU158	127A6	127A6				
EZINU~c 127A7 6× IV: 2u; III: 4p	PC25 o0980356 ZATU158	127A7	127A7				
EZINU~d 127A8 10× IV: 4p/1u; III: 8p/1u	PC25 o0980357 ZATU158	127A8	127A8	127A8	127A8		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GA~a 127A9	PC25	 F20D3  F20D4  F20D5  127A9  F20D6	 F20D3  F20D4  F20D5  127A9  F20D6				
339× IV: 38p/15u; III: 216p/93u	o0980358	ZATU159	 F20D6		 F20D6	 127A9	
GA~a.ZATU753	PC25-sq	 F20D1  F20D2	 F20D1  F20D2				 F20D2
85× IV: 1u; III: 63p/21u	o0980359	ZATU161	 F20D2				
GA~a×X	ZERO	 F24F7	 F24F7				
GA~b 127AA	PC25	 127AA	 127AA				
25× III: 25p	o0980361	ZATU159					
GA~c 127AB	PC25	 127AB	 127AB				
4× III: 4p	o0980362	ZATU159					
GA~c×KASKAL  127AC	PC25	 127AC	 127AC				
2× III: 2p	o0980363						
GA~c×1(N14)  127AD	PC25	 127AD	 127AD				
1× III: 1p	o0980364	ZATU160					
GA <sub>2</sub> ~a1 127AE	PC25	 127AE	 127AE	 127AE	 127AE	 127AE	
111× IV: 11p/2u; III: 80p/18u	o0980365	ZATU162					
GA <sub>2</sub> ~a1×A  127AF	PC25	 127AF	 127AF	 127AF			
3× IV: 1p; III: 2p	o0980366						
GA <sub>2</sub> ~a1×E <sub>2</sub> ~a  127B0	PC25	 127B0					 127B0
AKA:  GA <sub>2</sub> ~a×E <sub>2</sub> ~a  1× III: 1p	o0980367						
GA <sub>2</sub> ~a1×EN~a	UNP	 F2527	 F2527				
4× III: 3u	o0980368						
GA <sub>2</sub> ~a1×EN~b  127B1	PC25	 127B1	 127B1	 127B1			
1× IV: 1p; III: 1p	o0980369						
GA <sub>2</sub> ~a1×GEŠTU~a  127B2	PC25	 127B2					 127B2
1× III: 1p	o0980370						
GA <sub>2</sub> ~a1×GEŠTU~c3  127B3	PC25	 127B3	 127B3		 127B3		
1× III: 1p	o0980371						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GA₂~a1×GEŠTU~c5  127B4 10x III: 10p	PC25 o0980372	127B4	127B4			127B4	
GA₂~a1×GIR~a  127B5 5x III: 5p	PC25 o0980373 ZATU167	127B5	127B5				
GA₂~a1×(GIR~a.KU₆~a)  127B6 1x III: 1p	PC25 o0980374	127B6	127B6				
GA₂~a1×GIŠ@t  127B7 1x IV: 1p; III: 1p	PC25 o0980375 ZATU168	127B7	127B7				
GA₂~a1×GU₄  o0980376	EDI	F24F8	F24F8				
GA₂~a1×HAL  127B8 1x IV: 1p; III: 1p	PC25 o0980377	127B8	127B8	127B8			
GA₂~a1×HI  127B9 5x IV: 1p/2u; III: 3p	PC25 o0980378 ZATU170	127B9	127B9	127B9			
GA₂~a1×(HI.SUHUR)  1x IV: 1u	UNP o0980379 ZATU171	F2421	F2421				
GA₂~a1×KU₃~a  127BA 1x III: 1p	PC25 o0980380 ZATU172	127BA	127BA				
GA₂~a1×KU₆~a  127BB 13x IV: 3p/1u; III: 10p/1u	PC25 o0980381 ZATU173	127BB	127BB	127BB			
GA₂~a1×(KU₆~a+KU₆~a)  127BC CDLI:  GA₂~a1×(KU₆~a.KU₆~a)  1x III: 1p	PC25 o0980382 ZATU174	127BC	127BC			127BC	
GA₂~a1×LAGAB~b  127BD 1x IV: 1p	PC25 o0980383	127BD	127BD				
GA₂~a1×MAŠ  127BE 1x III: 1p	PC25 o0980384 ZATU176	127BE	127BE	127BE			
GA₂~a1×NAGA~a  1x III: 1u	UNP o0980385 ZATU177	F2422	F2422				
GA₂~a1×NIM~b1  AKA:  GA₂~a2×NIM~b1  CDLI:  GA₂~a2×NIM~b1  1x III: 1u	UNP o0980386	F2423	F2423				
GA₂~a1×NUN~a  o0980387	EDI	F24F9	F24F9				
GA₂~a1×PAD~b  127BF 1x III: 1p	PC25 o0980388	127BF	127BF				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GA <sub>2</sub> ~a1×PAP~a  127C0 1× III: 1p	PC25 o0980389						
GA <sub>2</sub> ~a1×SU~a  127C1 1× III: 1p	PC25 o0980390						
GA <sub>2</sub> ~a1×SUHURI  127C2 5× IV: 4p; III: 4p	PC25 o0980391 ZATU179						
GA <sub>2</sub> ~a1×SUKUD  127C3 9× IV: 5p/2u; III: 5p/2u	PC25 o0980392 ZATU180						
GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~a)  AKA:  GA <sub>2</sub> ~a1×(SUKUD&SUKUD)~a  CDLI:  GA <sub>2</sub> ~a1×((SUKUD&SUKUD)~a)  1× IV: 1u	UNP o0980393						
GA <sub>2</sub> ~a1×((SUKUD+SUKUD)-b)  AKA:  GA <sub>2</sub> ~a1×(SUKUD&SUKUD)-b  CDLI:  GA <sub>2</sub> ~a1×((SUKUD&SUKUD)-b)  1× III: 1u	UNP o0980394						
GA <sub>2</sub> ~a1×SUMAŠ  127C4 1× IV: 1p; III: 1p	PC25 o0980395 ZATU181						
GA <sub>2</sub> ~a1×ŠA  127C5 1× III: 1p	PC25 o0980396						
GA <sub>2</sub> ~a1×TI  127C6 3× III: 3p	PC25 o0980397						
GA <sub>2</sub> ~a1×U <sub>4</sub>   127C7 13× III: 9p/4u	PC25 o0980398 ZATU183						
GA <sub>2</sub> ~a1×X  14× IV: 4p; III: 12p/1u	PC25-bk o0980399		 				
GA <sub>2</sub> ~a1×1(N14)  127C8 3× IV: 2p; III: 3p	PC25 o0980400 ZATU182						
GA <sub>2</sub> ~a1×1(N57)  127C9 3× IV: 3p; III: 1p	PC25 o0980401 ZATU164						
GA <sub>2</sub> ~a2 127CA 37× III: 13p/24u	PC25 o0980403 ZATU162						
GA <sub>2</sub> ~a2×GU <sub>4</sub>   127CB 4× III: 3p/1u	PC25 o0980404						
GA <sub>2</sub> ~a2×NI~a  127CC 1× IV: 1p	PC25 o0980405 ZATU178						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GA₂~a2×NI-b  1× III: 1u o0980406 ZATU178	UNP F2427						
GA₂~a2×SUHURI  127CD 1× IV: 1p o0980407 ZATU179	PC25						
GA₂~a2×ŠE₃  127CE 3× III: 3p o0980408	PC25 127CE					127CE	
GA₂~a2×(ŠE₃.GU₄)  127CF AKA:  GA₂~a2×(GU₄.ŠE₃)  CDLI:  GA₂~a2×(GU₄.ŠE₃)  10× III: 9p/1u o0980409 ZATU169	PC25 127CF						
GA₂~a2×X  1× III: 1p o0980410	PC25-bk F2428						
GA₂~a2×3(N57)  1× III: 1u o0980411	UNP F2542						
GA₂~a3 127D0 1× III: 1p o0980412 ZATU162	PC25 127D0						
GA₂~a3×X  1× IV: 1p; III: 1p o0980413	PC25-bk F2429						
GA₂~a4 127D1 1× IV: 1p; III: 1p o0980414 ZATU162	PC25 127D1					127D1	
GA₂~b 127D2 18× IV: 9p/1u; III: 15p o0980415 ZATU162	PC25 127D2					127D2	
GA₂~b×DUB~a  127D3 11× IV: 1p/2u; III: 6p/3u o0980416 ZATU166	PC25 127D3 1 F20D9					127D3	
GA₂~b×DUB~b  127D4 1× IV: 1p; III: 1p o0980417 ZATU166	PC25 127D4					127D4	
GA₂~b×KU₃~a  1× III: 1u o0980418 ZATU172	UNP F242A						
GA₂~b×KU₆~a  127D5 1× III: 1p o0980419 ZATU173	PC25 127D5						
GA₂~b×NUN~b  1× o0980420	UNP F252E						
GA₂~b×ZATU659  127D6 1× III: 1p o0980421	PC25 127D6						
GA₂~c 127D7 1× III: 1p o0980422 ZATU162	PC25 127D7						

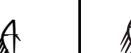
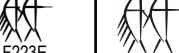
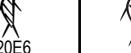
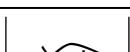
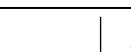
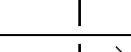
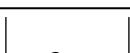
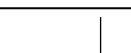
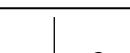
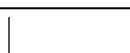
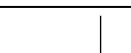
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GA'AR~a1 127D8 44x IV: 1u; III: 42p/1u	PC25 o0980423 ZATU184						
GA'AR~a2 127D9 17x IV: 1p/1u; III: 11p/4u	PC25 o0980424 ZATU184						
GA'AR~b1 127DA 2x IV: 1p; III: 2p	PC25 o0980425 ZATU184						
GA'AR~b2 127DB 3x IV: 2p; III: 1p	PC25 o0980426 ZATU184						
GADA~a 127DC 122x IV: 12p/11u; III: 70p/30u	PC25 o0980427 ZATU186						
GADA~b 1x IV: 1u; III: 1p	UNP o0980428 ZATU186						
GADA~b@g 127DD 8x IV: 2p/4u; III: 3p/1u	PC25 o0980429 ZATU187						
GAL~a 127DE 1236x IV: 54p/12u; III: 930p/261u	PC25 o0980430 ZATU188						
GAL~b 127DF 11x IV: 3p/2u; III: 6p	PC25 o0980431 ZATU188						
GALGA~a 127E0 12x III: 12p	PC25 o0980432 ZATU189						
GALGA~b 3x III: 3u	UNP o0980433 ZATU189						
GAN~a 127E1 50x IV: 3p; III: 39p/9u	PC25 o0980434 ZATU190		 1 F20DA 2 127E1				
GAN~b 127E2 40x IV: 6p/1u; III: 28p/8u	PC25 o0980435 ZATU190		 1 F20DB 2 F20DC 3 F20DD 4 127E2				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GAN~c 127E3		PC25	 127E3 	 127E3			 127E3
40× III: 24p/16u	o0980436	ZATU190					
GAN~cxDIN  127E4		PC25	 127E4	 127E4	 127E4 (b)		
1× III: 1p	o0980437						
GAN~cxHI  127E5		PC25	 127E5				
1× IV: 1p	o0980438						
GAN~cx(HLDIN)  127E6		PC25	 127E6				
2× IV: 2p	o0980439	ZATU191					
GAN~cxKAŠ~c  127E7		PC25	 127E7				
2× III: 2p	o0980440						
GAN~cx(KUR~a.A)  127E8		PC25	 127E8				
1× III: 1p	o0980441						
GAN~cxLAGAB~b  127E9		PC25	 127E9				
2× IV: 1p; III: 2p	o0980442	ZATU192					
GAN~cxNE~a		UNP	 F242D				
3× III: 3u	o0980443	ZATU193					
GAN~cxSIG <sub>7</sub>   127EA		PC25	 127EA				
1× III: 1p	o0980444						
GAN~cxŠE~a		UNP	 F242F				
4× III: 4u	o0980445	ZATU194					
GAN~cxŠE <sub>3</sub> @t		UNP	 F2430				
1× III: 1u	o0980446						
GAN~cxX		PC25-bk	 F242E				
3× IV: 1p; III: 2p/1u	o0980447						
GAN~cxZATU777  127EB		PC25	 127EB				
1× III: 1p	o0980448						
GAN~cx(4(N57).GAR)  127EC		PC25	 127EC			 127EC	
1× III: 1p	o0980449						
GAN~d		EDI	 F24D2				
o0980450							
GAN~dxGEŠTU~a  127ED		PC25	 127ED				
1× III: 1p	o0980451						
GAN~dxHI		EDI	 F24FA				
o0980452							
GAN <sub>2</sub> 127EE		PC25	 127EE	 127EE			
270× IV: 10p/2u; III: 190p/65u	o0980453	ZATU195			 127EE	 127EE	

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>GAR</b> 127EF	PC25 	127EF 	127EF 	127EF 	127EF 	127EF 	
373x IV: 44p/28u; III: 241p/73u	o0980454 ZATU196						
<b>GAR@g~a</b> 127F0	PC25 	127F0 		127F0 			
4x IV: 4p; III: 4p	o0980455 ZATU197						
<b>GAR@g~b</b> 127F1	PC25 	127F1 		127F1 			
3x III: 2p/1u	o0980456 ZATU197						
<b>GAR@g~c</b> 127F2	PC25 	127F2 		127F2 			
3x III: 2p/1u	o0980457 ZATU197						
<b>GAR<sub>3</sub></b> 127F3	PC25 	127F3 			127F3 		
29x IV: 29p; III: 10p	o0980458 ZATU198						
<b>GARA<sub>2</sub>~a</b> 127F4	PC25 	127F4 		127F4 			127F4 
55x IV: 2u; III: 37p/16u	o0980459 ZATU199						
<b>GARA<sub>2</sub>~b</b>	UNP						
2x III: 2u	o0980460 ZATU199	F2431 					
<b>GAZI</b> 127F5	PC25 	127F5 		127F5 			
15x III: 14p/1u	o0980461 ZATU200						
<b>GEŠTIN~a</b> 127F6	PC25 	127F6 		127F6 			
8x III: 6p/2u	o0980462 ZATU202						
<b>GEŠTIN~c</b>	EDI						
	o0980463	F24D3 					
<b> GEŠTIN~c×X </b>	EDI						
	o0980464	F24FB 					
<b>GEŠTIN~d</b> 127F7	PC25 	127F7 					127F7 
1x III: 1p	o0980465 ZATU202						
<b>GEŠTIN~e</b> 127F8	PC25 	127F8 					127F8 
1x III: 1p	o0980466 ZATU202						
<b>GEŠTU~a</b> 127F9	PC25 	127F9 					
		1 F20DF 					
26x IV: 9p/2u; III: 13p/6u	o0980467 ZATU203	2 F20E0 		F20E0 	127F9 		
<b> GEŠTU~a×ŠE~a@t </b> 127FA	PC25 	127FA 					
1x III: 1p	o0980468						
<b>GEŠTU~b</b> 127FB	PC25 	127FB 					
85x IV: 27p/7u; III: 44p/24u	o0980469 ZATU203			127FB 	127FB 	127FB 	127FB 

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GEŠTU~c3 127FC	PC25 	127FC  F20E1 					
9× IV: 2p/1u; III: 7p o0980470 ZATU203							
GEŠTU~c5 127FD	PC25 	127FD 			127FD 		
2× III: 2p o0980471 ZATU203							
GI 127FE	PC25 	1 F20E2  127FE 		127FE 	F20E2  127FE  127FE 		
667× IV: 48p/8u; III: 459p/182u o0980472 ZATU204							
GIxA  127FF	PC25 	127FF 					
AKA:  GI+A  1× III: 1p o0980473							
GIxGIŠ@t  12800	PC25 	12800 			12800 		
1× III: 1p o0980474 ZATU207							
GIxKU~b1  12801	PC25 	12801 			12801 		
6× III: 6p o0980475							
GIxLAGAB~a  12802	PC25 	12802 			12802 		
3× IV: 2p; III: 1p/1u o0980476 ZATU208							
GIxNAM <sub>2</sub>   12803	PC25 	12803 			12803 		
2× IV: 1p/1u; III: 1p o0980477 ZATU209							
GIxSIG <sub>2</sub> -d1  12804	PC25 	12804 			12804 		
2× IV: 2p; III: 2p o0980478 ZATU210							
GIxŠE <sub>3</sub>   12805	PC25 	12805 			12805 		
5× IV: 1p; III: 4p o0980479							
GIxX	UNP	F2432 					
1× IV: 1u o0980480							
GIx1(N14)  12806	PC25 	12806 			12806 		
1× IV: 1p; III: 1p o0980481 ZATU211							
GIx1(N58@t)  12807	PC25 	12807 					
AKA:  GIx1(N58)@t  CDLI:  GIx1(N58)@t  2× III: 2p o0980482							
GI&GI  12808	PC25 	12808 		12808 	12808 	12808 	12808 
83× IV: 1p; III: 64p/19u o0980483							
(GI&GI)xGIŠ@t  12809	PC25 	12809 					
1× IV: 1p; III: 1p o0980484							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
(GI&GI)×ŠE <sub>3</sub>   CDLI:  (GI+&GI)×ŠE <sub>3</sub>   2x III: 2u	UNP o0980485 ZATU206	PC25 F2433					
(GI&GI)×X	ZERO o0980486	PC25 F2434				 F2434	
GI&GI&GI  1280A 2x IV: 1p; III: 2p	PC25 o0980487	PC25 1280A					
GI@t 1280B 1x IV: 1p; III: 1p	PC25 o0980488	PC25 1280B					
GI <sub>4</sub> ~a 1280C 31x IV: 1p; III: 21p/10u	PC25 o0980489 ZATU212	PC25 1280C					
GI <sub>4</sub> ~a×A  1280D 1x III: 1p	PC25 o0980490	PC25 1280D					
GI <sub>4</sub> ~a&GI <sub>4</sub> ~a	UNP o0980491	PC25 F2435					
GI <sub>4</sub> ~b 1280E 8x IV: 6p/1u; III: 8p	PC25 o0980492 ZATU212	PC25 1280E					
GI <sub>4</sub> ~b&GI <sub>4</sub> ~b  1280F 1x IV: 1p	PC25 o0980493	PC25 1280F					
GI <sub>6</sub> 12810 AKA: GI <sub>6</sub> ~a 129x IV: 15p/1u; III: 86p/38u	PC25 o0980494 ZATU213	PC25 F20E3 12810					
GIBIL 12811 98x IV: 2p; III: 81p/17u	PC25 o0980495 ZATU214	PC25 12811					
GIBIL@t	UNP o0980496	PC25-sq F2436					
GIBIL <sub>6</sub>	PC25-sq o0980497 ZATU215	PC25-sq F20E4 1 F20E5					
GIG	EDI o0980498	EDI F223D					
GIL	EDI o0980499	EDI F24D4					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GIR~a 12812	PC25 						
22× IV: 1p; III: 14p/6u	o0980500 ZATU216	12812		12812			
GIR~a.KU <sub>6</sub> ~a	PC25-sq						
1× III: 1p	o0980501	F223E					
GIR~b 12813	PC25 						
16× IV: 2p; III: 12p/4u	o0980502 ZATU216	12813		F20E6	F20E6		
GIR~b.GIR~b	PC25-sq						
4× III: 4p	o0980503	F223F		F223F			
GIR~c 12814	PC25 						
3× III: 3p	o0980504 ZATU216	12814		12814			
GIR~d	UNP						
1× IV: 1u	o0980505 ZATU216	F2437					
GIR <sub>2</sub> ~a 12815	PC25 						
71× IV: 5p/2u; III: 59p/6u	o0980506 ZATU218	12815		12815	12815		
GIR <sub>2</sub> ~b	ZERO						
	o0980507 ZATU218	F2438					
GIR <sub>3</sub> ~a 12816	PC25 						
23× IV: 15p/1u; III: 17p/2u	o0980508 ZATU219	12816		12816	12816		
GIR <sub>3</sub> ~a×ŠE~b  12817	PC25 						
1× IV: 1p	o0980509 ZATU220	12817					
GIR <sub>3</sub> ~b 12818	PC25 						
1× IV: 1p	o0980510 ZATU219	12818					
GIR <sub>3</sub> ~c 12819	PC25 						
112× IV: 5p/1u; III: 59p/47u	o0980511 ZATU219	12819		12819		12819	12819
GIR <sub>3</sub> ~c×KAR <sub>2</sub> ~b	UNP						
AKA:  GIR <sub>3</sub> ~c×KAR <sub>2</sub> ~b  CDLI:  GIR <sub>3</sub> ~c×KAR <sub>2</sub> ~b							
3× III: 3u	o0980512	F2439					
GIR <sub>3</sub> ~c×ŠE <sub>3</sub>   1281A	PC25 						
2× III: 2p	o0980513	1281A		1281A	1281A		
GIR <sub>3</sub> @g~a 1281B	PC25 						
4× IV: 3p; III: 2p	o0980514 ZATU221	1281B		1281B	1281B		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GIR <sub>3</sub> @g~b 1281C  76× IV: 1p; III: 68p/7u	PC25  o0980515 ZATU221	 1281C	 1281C			 1281C	 1281C
GIR <sub>3</sub> @g~c 1281D  AKA: GIR <sub>3</sub> ~c@g 11× IV: 1p; III: 4p/6u o0980516 ZATU221	PC25	 1281D	 1281D			 1281D	
GIR <sub>4</sub>  o0980517	EDI	 F24D5					
GISAL~a 1281E  1× IV: 1p; III: 1p o0980518 ZATU222	PC25	 1281E	 1281E				
GISAL~b 1281F  2× IV: 2p; III: 2p o0980519 ZATU222	PC25	 1281F	 1281F			 1281F	
GIŠ 12820  405× IV: 8p/4u; III: 362p/36u o0980520 ZATU223	PC25	 12820	 12820	 12820	 12820	 12820	
GIŠ.TE   27× III: 24p/3u o0980521 ZATU226	PC25-sq	 F2242	 F2242			 F2242	 F2242
(GIŠ×(DIN.DIN))~a  12821  4× III: 4p o0980522 ZATU224	PC25	 12821	 12821	 12821			
(GIŠ×(DIN.DIN))~b  12822  1× IV: 1p o0980523 ZATU224	PC25	 12822	 12822				
(GIŠ×(DIN.DIN))~c  12823  1× III: 1p o0980524 ZATU224	PC25	 12823	 12823	 12823			
(GIŠ×ŠU <sub>2</sub> )~a  12824  AKA:  GIŠ×ŠU <sub>2</sub> ~a  CDLI:  GIŠ×ŠU <sub>2</sub> ~a  42× IV: 1p; III: 29p/12u o0980525 ZATU225	PC25	 12824	 12824	 12824		 12824	 12824
(GIŠ×ŠU <sub>2</sub> )~b  12825  AKA:  GIŠ×ŠU <sub>2</sub> ~b  CDLI:  GIŠ×ŠU <sub>2</sub> ~b  16× III: 16p o0980526 ZATU225	PC25	 12825	 12825	 12825			
GIŠ~v CDLI: GIŠ~x  o0980527	EDI	 F24D6					
GIŠ@t 12826  37× IV: 8p/1u; III: 30p/2u o0980528 ZATU227	PC25	 12826	 12826	 12826	 12826	 12826	
GIŠ@t.E <sub>2</sub> ~a   o0980529	EDI	 F2243	 F2243				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GIŠ <sub>3</sub> ~a 12827 14× III: 11p/2u	PC25 o0980530 ZATU228	12827					
GIŠ <sub>3</sub> ~a&GIŠ <sub>3</sub> ~a  12828 3× III: 2p/1u	PC25 o0980531	12828		12828			
GIŠ <sub>3</sub> ~b 12829 54× III: 18p/35u	PC25 o0980532 ZATU228	12829		12829		12829	
GIŠGAL 1282A 10× III: 9p/1u	PC25 o0980533 ZATU229	1 F20E7 1282A	1 F20E7 1282A	1282A			
GIŠIMMAR~a1 1282B 6× IV: 3p/1u; III: 4p	PC25 o0980534 ZATU230	1282B	1282B		1282B		
GIŠIMMAR~a2 1282C 9× IV: 1p; III: 5p/1u	PC25 o0980535 ZATU230	1282C	1282C	1282C			
GIŠIMMAR~a3 1282D 2× III: 1p/1u	PC25 o0980536 ZATU230	1282D 1 F20E8	1282D 1 F20E8			F20E8	
GIŠIMMAR~b1 1282E 45× IV: 3p; III: 37p/4u	PC25 o0980537 ZATU230	1 F20E9 2 F20EA 1282E	1 F20E9 2 F20EA 1282E	1282E	F20E9	F20E9	F20E9
GIŠIMMAR~b2 1282F 1× IV: 1p	PC25 o0980538 ZATU230	1282F	1282F				
GIŠIMMAR~b3 12830 2× IV: 1p; III: 1p	PC25 o0980539 ZATU230	12830	12830		12830		
GIZZAL~v CDLI: GIZZAL~x 1× III: 1u	UNP o0980540 ZATU231	F223C	F223C				
GU 12831 AKA: GU~a 101× IV: 2p/2u; III: 56p/43u	PC25 o0980541 ZATU232	12831	12831	(a) 12831	(a) 12831	(a) 12831	
GU <sub>2</sub> 12832 2× III: 2p	PC25 o0980542 ZATU233	12832	12832	12832			
GU <sub>4</sub> 12833 201× IV: 52p/4u; III: 151p/37u	PC25 o0980543 ZATU234	1 F20EB 12833	1 F20EB 12833	12833	F20EB 12833	12833	12833

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GU <sub>4</sub> .ZATU755~b  AKA:  GU <sub>4</sub> .ZATU755~a  CDLI:  GU <sub>4</sub> .ZATU755~a  1x IV: 1p; III: 1p o0980544	PC25-sq	F2244	F2244		F2244		
GU <sub>4</sub> ×1(N58)  CDLI: *GU <sub>4</sub> +1N58 o0982249	ZERO	F2540			F2540		
GU <sub>4@g</sub> 12834 5x III: 3p/2u o0980546	PC25	12834 1 F20EC	12834 1 F20EC		12834	F20EC	
GU <sub>7</sub> 12835 314x IV: 6p/4u; III: 250p/58u o0980547 ZATU235	PC25	12835 1 F20ED	12835 1 F20ED		12835	12835	
GUB <sub>3</sub> ~a 12836 11x IV: 1p/4u; III: 4p/3u o0980548 ZATU236	PC25	12836	12836	12836			
GUB <sub>3</sub> ~b 12837 2x III: 1p/1u o0980549 ZATU236	PC25	12837	12837	12837			
GUB <sub>3</sub> ~c 12838 3x IV: 1p; III: 2p o0980550 ZATU236	PC25	12838	12838				
GUB <sub>3</sub> ~d 12839 1x IV: 1p; III: 1p o0980551 ZATU236	PC25	12839 1 F20EE	12839 1 F20EE			F20EE	
GUG <sub>2</sub> 1283A AKA: GUG <sub>2</sub> ~a 190x IV: 36p/5u; III: 116p/36u o0980552 ZATU237	PC25	1 F20EF 1283A 2 F20FO	1 F20EF 1283A 2 F20FO	(a) F20FO	(a) 1283A	(a) F20FO	(a) 1283A
GUG <sub>2</sub> ×SILA <sub>3</sub> ~a  1283B 1x IV: 1p o0980553 ZATU238	PC25	1283B	1283B				
GUG <sub>2</sub> ×ŠITA~a1  1x III: 1u o0980554	UNP	F24FC	F24FC				
GUG <sub>2</sub> ×TUR  1283C 1x IV: 1p o0980555 ZATU239	PC25	1283C	1283C				
GUG <sub>2@t</sub> o0980556	ZERO	F243A	F243A				
GU <sub>KKAL</sub> ~a 1283D 28x IV: 27p; III: 27p o0980557 ZATU240	PC25	1283D	1283D		1283D		
GU <sub>KKAL</sub> ~a.HI@g~a  2x IV: 2p; III: 2p o0980558 ZATU241	PC25-sq	F2245	F2245		F2245		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GUUKKAL~b 1283E 2x IV: 2p	PC25 o0980559 ZATU240	1283E					
GUUKKAL~c 1283F 9x III: 6p/1u	PC25 o0980560 ZATU240	1283F					
GUUKKAL~d 12840 1x IV: 1p; III: 1p	PC25 o0980561 ZATU240	12840					
GUL 12841 28x IV: 4p; III: 21p/3u	PC25 o0980562 ZATU242	12841					
GUM~a 12842 16x IV: 14p/1u; III: 13p	PC25 o0980563 ZATU243	12842					
GUM~b 12843 41x IV: 3p/1u; III: 29p/10u	PC25 o0980564 ZATU243	12843					
GUM~b@n 12844 1x III: 1p	PC25 o0980565 ZATU244	12844					
GUN <sub>3</sub> ~a 12845 13x IV: 1p; III: 8p/5u	PC25 o0980566 ZATU245	12845					
GUN <sub>3</sub> ~b 12846 10x IV: 1u; III: 6p/3u	PC25 o0980567 ZATU245	12846					
GUR 12847 2x III: 2p	PC25 o0980568 ZATU246	12847					
GURUŠ~a 12848 64x IV: 23p/2u; III: 45p/15u	PC25 o0980569 ZATU247	12848					
GURUŠ~a×2(N14)  12849 4x IV: 2p/2u; III: 2p	PC25 o0980570 ZATU248	12849					
GURUŠ~b 1284A 4x IV: 4p; III: 1p	PC25 o0980571 ZATU247	1284A					
GURUŠ~b×2(N14)  1284B 2x IV: 1p/1u; III: 1p	PC25 o0980572 ZATU248	1284B					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GURUŠ~c×2(N14)  1284C 1× III: 1p	PC25 o0980573 ZATU248	1284C					1284C
GURUŠDA 1284D AKA: GURUŠDA~a 80× IV: 35p/3u; III: 60p/8u	PC25 o0980574 ZATU249	1284D		1284D	1284D	1284D	1284D
HAL 1284E 90× IV: 2p/2u; III: 68p/18u	PC25 o0980575 ZATU250	1284E		1284E		1284E	
HALUB 1284F 11× III: 11p	PC25 o0980576 ZATU251	1284F		1284F			
HAŠHUR 12850 112× IV: 42p/9u; III: 64p/14u	PC25 o0980577 ZATU252	12850		12850	12850	12850	12850
HAŠHUR×MA  12851 3× IV: 2p; III: 1p	PC25 o0980578 ZATU253	12851		12851			
HI 12852 AKA: HI~a 349× IV: 13p/4u; III: 230p/105u	PC25 o0980579 ZATU254	12852		12852	12852	12852	12852
HI.SUHUR  7× IV: 2u; III: 2p/3u	PC25-sq o0980580 ZATU256	1 F20F6 2 F20F7 F20F5					
HI×LAGAB~a  3× III: 3p	PC25-sq o0980581	F2246				F2246	
HI×ŠE₃@t  o0980582	EDI	F24FE					
HI×ZATU707~a  1× IV: 1u	UNP o0980583 ZATU257	F243B					
HI×1(N01@f)  CDLI:  HI×1(N01)F	EDI o0980584	F24FD					
HI×1(N57)  12853 12× IV: 1p; III: 10p/2u	PC25 o0980585	12853		12853			12853
(HI×1(N57)).(HI×1(N57))  1× III: 1p	PC25-sq o0980586	F20F8 1 F20F9					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
HI×1(N57@t)  12854  AKA:  HI×1(N57)@t  CDLI:  HI×1(N57)@t  2× III: 2p o0980587 ZATU255	PC25 	12854 	12854 	12854 	12854 (a) 		
HI×1(N58)  1× IV: 1u o0980588	UNP 	F243C 					
HI~b 1× o0980589 ZATU254	UNP 	F252F 					
HI@g~a 12855  AKA: HI@g HI~a@g 176× IV: 9p; III: 140p/33u o0980590 ZATU258	PC25 	12855 	12855 	12855 	12855 	12855 	
HI@g~b 12856  12× IV: 2p; III: 8p/2u o0980591 ZATU258	PC25 	12856 	12856 	12856 	12856 	12856 	
HI@g~c 12857  1× III: 1p o0980592 ZATU258	PC25 	12857 					
HUB <sub>2</sub> o0980593	EDI 	F24D7 					
I 12858  43× IV: 1p; III: 24p/19u o0980594 ZATU259	PC25 	12858 	12858 	12858 	12858 	12858 	
IB~a 12859  393× IV: 45p/9u; III: 248p/110u o0980595 ZATU260	PC25 	12859 	12859 	12859 	12859 	12859 	
1 1285A  CDLI:  IB~a@n  1× III: 1p o0980596	PC25 	1285A 	1285A 				
IB~b 1285B  9× IV: 7p; III: 5p o0980597 ZATU260	PC25 	1285B 	1285B 	1285B 			
IB~c 1285C  5× III: 5p o0980598 ZATU260	PC25 	1285C 					
IDIGNA 1285D  57× IV: 10p; III: 42p/11u o0980599 ZATU261	PC25 	1 F20FC 	1285D 	1285D 	1285D 		
IG~a 1285E  2× III: 2p o0980600	PC25 	1285E 	1285E 		1285E 		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>IG~b</b> 1285F 2× III: 1p/1u	PC25 o0980601	1285F					
<b>IGI</b>	EDI o0980602	F24D8					
<b>IL</b> 12860 10× III: 8p/2u	PC25 o0980603 ZATU262	12860				12860	
<b>ILDUM~a</b> 1× IV: 1p	PC25-sq o0980604 ZATU263	F2253					
<b>ILDUM~b</b> 4× III: 4p	PC25-sq o0980605 ZATU263	F2254				F2254	
<b>IM~a</b> 12861 97× III: 65p/32u	PC25 o0980606 ZATU264	12861		12861		12861	12861
<b>IM~a@g</b>	EDI o0980607	F24D9					
<b>IM~b</b> 12862 13× III: 11p/2u	PC25 o0980608 ZATU264	12862		12862			12862
<b>IN~b</b> 12863 29× IV: 2p/1u; III: 23p/5u	PC25 o0980609 ZATU265	12863 F20FD		12863		12863	
<b>IN~d</b> 12864 1× III: 1p	PC25 o0980610 ZATU266	12864					
<b>IR~a</b> 12865 47× IV: 2p; III: 43p/3u	PC25 o0980611 ZATU267	12865		12865		12865	
<b> IR~a.GA<sub>2</sub>~a1 </b> 1× III: 1p	PC25-sq o0980612	F2247					
<b>IR~b</b> 12866 2× III: 2p	PC25 o0980613 ZATU267	12866		12866			
<b>IR~c</b> 12867 1× IV: 1p; III: 1p	PC25 o0980614 ZATU267	12867			12867		
<b>IR~d</b> 12868 1× IV: 1p	PC25 o0980615 ZATU267	12868					
<b>IR<sub>11</sub></b> 9× III: 5p/4u	PC25-sq o0980616 ZATU268	1 F20FF F20FE					
<b>IRHAN</b>	PC25-bk o0980617 ZATU269	F243D					

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
IŠ~a 12869		PC25	 1 F2100  12869  2 F2101  3 F2102		   F2101  F2102			
26x IV: 3p; III: 22p/4u	o0980618	ZATU270						
IŠ~b 1286A		PC25	 1286A  1 F2103  2 F2104  3 F2105  4 F2106  5 F2107	   F2103   F2103				
74x IV: 5p/1u; III: 52p/19u	o0980619	ZATU270						
IŠ~c 1286B		PC25	 1286B	   1286B				
2x IV: 1p; III: 1p/1u	o0980620	ZATU270						
KA~a 1286C		PC25	    	     1286C				
97x IV: 5p/1u; III: 52p/43u	o0980621	ZATU271						
KA~a.ŠE~a		PC25-sq	    	    				
1x III: 1p	o0980622	ZATU274	 1 F2108  1 F2109					
KA~a×SAR~a  1286D		PC25	    	    				
1x III: 1p	o0980623	ZATU273	 1286D	   1286D				
KA <sub>2</sub> ~a 1286E		PC25	    	    				
13x IV: 2p; III: 10p/2u	o0980624	ZATU275	 1286E					
KA <sub>2</sub> ~b 1286F		PC25	    	    				
6x III: 4p/2u	o0980625	ZATU275	 1286F					
KA <sub>2</sub> ~c		UNP	    	    				
1x IV: 1u	o0980626	ZATU275	 F243E					
KA <sub>2</sub> ~d		EDI	    	    				
			 o0980627					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
KA₂~d×LAM~b  12870	PC25 	12870  F210A	12870  (o)	12870  (o)	12870  (o)		
AKA:  KA₂×LAM  CDLI:  KA₂×LAM  20x IV: 2p; III: 18p/1u	o0980628 ZATU276						
KAB 12871	PC25 	12871 	12871 	12871 	12871 	12871 	
AKA: TUKU 146x IV: 36p/9u; III: 90p/30u	o0980629 ZATU277						
KAB×1(N58)	UNP	F243F 					
AKA:  TUKU+DIŠ  3x IV: 1u; III: 2u	o0980630 ZATU278						
KAD₄~a 12872	PC25 	12872 	12872 	12872 			
9x III: 9p	o0980631 ZATU279						
KAD₄~b 12873	PC25 	12873 	12873 	12873 			
2x III: 2p	o0980632 ZATU279						
KAD₄~c1	UNP	F2440 					
1x IV: 1u	o0980633 ZATU279						
KAD₄~c2	UNP	F2441 					
1x IV: 1u	o0980634 ZATU279						
KAK~a 12874	PC25 	12874 	12874 	12874 	12874 	12874 	
51x IV: 4p; III: 37p/11u	o0980635 ZATU280						
KAK~a.GA₂~a1	PC25-sq	F2248 					
3x III: 3p	o0980636						
KAK~b 12875	PC25 	12875 			12875 		
1x IV: 1p; III: 1p	o0980637 ZATU280						
KAL~a 12876	PC25 	12876 	12876 	12876 			
5x III: 5p	o0980638 ZATU281						
KAL~b1 12877	PC25 	12877  F210B	12877  12877	12877  12877		12877  12877	
2x III: 2p	o0980639 ZATU281						
KAL~b2 12878	PC25 	12878 	12878 	12878 			
15x III: 8p/7u	o0980640 ZATU281						
KALAM~a 12879	PC25 	12879 	12879 	12879 	12879 	12879 	
29x IV: 2p/1u; III: 18p/9u	o0980641 ZATU282						
KALAM~b 1287A	PC25 	1287A 	1287A 			1287A 	1287A 
54x IV: 3u; III: 31p/20u	o0980642 ZATU282						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
KALAM~c 1287B 1x III: 1p	PC25 o0980643 ZATU282	1287B	1287B				
KALAM~d 1287C 1x III: 1p	PC25 o0980644 ZATU282	1287C	1287C				
KALAM~e 1287D 1x III: 1p	PC25 o0980645 ZATU282	1287D	1287D				
KALAM~f 1287E 1x III: 1p	PC25 o0980646 ZATU282	1287E	1287E				
KALAM~g 1287F 6x III: 6p	PC25 o0980647 ZATU282	1287F					1287F
KALAM~h 12880 3x III: 2p	PC25 o0980648 ZATU282	12880					12880
KALAM~h2 12881 1x III: 1p	PC25 o0980649 ZATU282	12881					12881
KAR PC25-sq 7x IV: 2u; III: 5p/1u	o0980650 ZATU283	F2272	F2272	F2272			
KAR <sub>2</sub> ~a 12882 63x IV: 1p/1u; III: 5p/10u	PC25 o0980651 ZATU284	12882	12882	12882			12882
KAR <sub>2</sub> ~b 12883 11x IV: 1p; III: 8p/2u	PC25 o0980652 ZATU284	12883	12883	12883			
KASKAL 12884 58x IV: 6p/1u; III: 31p/22u	PC25 o0980653 ZATU285	12884	12884	12884	12884	12884	12884
KASKAL@g CDLI:  KASKAL@g  1x III: 1u	UNP o0980654	F2442	F2442				
KAŠ~a 12885 122x IV: 15p/4u; III: 97p/9u	PC25 o0980655 ZATU286	12885	1 F210C 12885	12885	12885	12885	12885
KAŠ~b 12886 126x IV: 32p/7u; III: 90p/21u	PC25 o0980656 ZATU286	12886	1 F210D 12886	12886	F210D 12886	12886	12886
KAŠ~b×ŠE~a@t  12887 AKA:  KAŠ~b×ŠE~a  CDLI:  KAŠ~b×ŠE~a  2x IV: 2p	PC25 o0980657 ZATU288	12887	12887				
KAŠ~b@t CDLI:  KAŠ~b@t	ZERO o0980658	F2443	F2443				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
KAŠ~c 12888 150x IV: 25p/11u; III: 47p/67u	PC25 o0980659 ZATU287	12888	12888		12888	12888	
KAŠ~d 12889 19x III: 19p	PC25 o0980660 ZATU286	12889 1 F210E	12889				F210E
KEŠ₂ o0980661	EDI	F24DB	F24DB				
KI 1288A AKA: KI~a 553x IV: 7p/5u; III: 327p/214u	PC25 o0980662 ZATU289	1288A	1288A	1288A (a)	1288A (a)	1288A (a)	1288A (a)
KI@n 1288B 4x III: 2p/2u	PC25 o0980663	1288B	1288B				1288B
KI@n×DUB~a  1288C AKA:  KI@n+DUB~a  1x III: 1p	PC25 o0980664 ZATU567	1288C	1288C				
KIB 1288D 11x IV: 1p/1u; III: 7p/2u	PC25 o0980665 ZATU290	1288D	1288D	1288D			
KIB@g 1288E 1x III: 1p	PC25 o0980666	1288E	1288E				
KID~a 1288F 18x III: 15p/3u	PC25 o0980667 ZATU291	1288F	1288F	1288F		1288F	
KID~b 12890 73x IV: 1p; III: 55p/17u	PC25 o0980668 ZATU291	12890	12890	12890		12890	12890
KID~c 12891 5x IV: 1p; III: 4p	PC25 o0980669 ZATU291	12891	12891		12891		
KID~d 12892 1x IV: 1p; III: 1p	PC25 o0980670 ZATU291	12892	12892		12892		
KID~e 12893 3x III: 3p	PC25 o0980671 ZATU291	12893	12893			12893	
KIN 12894 3x III: 3p	PC25 o0980672 ZATU292	12894	12894	12894			
KIN₂~a 12895 1x IV: 1p; III: 1p	PC25 o0980673 ZATU293	12895	12895		12895		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
KIN₂~b 12896 1× III: 1p	PC25 o0980674 ZATU293	12896					12896
KIN₂~c 12897 13× III: 13p	PC25 o0980675 ZATU293	12897	12897				
KIN₂~d 12898 3× III: 3p	PC25 o0980676 ZATU293	12898	12898				
KIN₂~e 12899 1× IV: 1p; III: 1p	PC25 o0980677 ZATU293	12899 1 F210F	1 F210F		F210F		
KINGAL	PC25-sq	1 F2111 F2110	1 F2110	F2110	F2111		F2110
44× IV: 3p; III: 33p/10u	o0980678 ZATU294						
KIR₁₁ 22× III: 7p/15u	PC25-sq o0980679	F225E	F225E				
KISAL~a1 1289A 15× IV: 13p; III: 6p/1u	PC25 o0980680 ZATU295	1289A	1289A	1289A			
KISAL~a2 1× IV: 1u	UNP o0980681 ZATU295	F2444	F2444				
KISAL~b1 1289B 222× IV: 30p/2u; III: 171p/39u	PC25 o0980682 ZATU295	1289B	1289B	1289B	1289B	1289B	1289B
KISAL~b2 1289C 7× III: 7p	PC25 o0980683 ZATU295	1289C	1289C				
KISAL~b2@t 1289D CDLI:  KISAL~b2@t  2× III: 1p/1u	PC25 o0980684	1289D	1289D				
KISAL~b3 1289E 2× III: 2p	PC25 o0980685 ZATU295	1289E	1289E	1289E			
KISIM~a 1289F 62× IV: 1p; III: 56p/5u	PC25 o0980686 ZATU296	1289F	1289F			1289F	
KISIM~b 128A0 23× III: 23p	PC25 o0980687 ZATU296	128A0 1 F2112 2 F2113 3 F2114	128A0 1 F2112 2 F2113 3 F2114	F2113			

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
KISIM~c 128A1 1x IV: 1p; III: 1p	PC25 o0980688 ZATU296	128A1	128A1		128A1		
KIŠ 128A2 174x IV: 3p; III: 96p/36u	PC25 o0980689 ZATU297	1 F2115 128A2 2 F2116	1 F2115 128A2 2 F2116	128A2		128A2	128A2 F2116
KIŠIK~a 128A3 29x III: 19p/10u	PC25 o0980690 ZATU298	128A3	128A3		128A3		
KIŠIK~b 128A4 3x III: 3p	PC25 o0980691 ZATU298	128A4	128A4				
KITI 128A5 26x III: 12p/14u	PC25 o0980692 ZATU299	1 F2117 128A5 2 F2118	1 F2117 128A5 2 F2118	F2118		F2117	
KU~a 128A6 4x III: 4p	PC25 o0980693 ZATU300	128A6	128A6		128A6		
KU~a@t o0980694	EDI	F24DC	F24DC				
KU~b1 128A7 75x IV: 1u; III: 35p/39u	PC25 o0980695 ZATU300	128A7	128A7			128A7	128A7
KU~b2 128A8 27x III: 26p/1u	PC25 o0980696 ZATU300	128A8	128A8		128A8		
KU <sub>3</sub> ~a 128A9 262x IV: 40p/1u; III: 179p/49u	PC25 o0980697 ZATU301	128A9 1 F2119	128A9 1 F2119	128A9 1 F2119 (b)	128A9 1 F2119 (b)	128A9 1 F2119 (b)	
KU <sub>3</sub> ~c 128AA 2x III: 1p/1u	PC25 o0980698 ZATU301	128AA	128AA		128AA		
KU <sub>6</sub> ~a 128AB 385x IV: 40p/15u; III: 273p/84u	PC25 o0980699 ZATU302	128AB	128AB		128AB	128AB	128AB
KU <sub>6</sub> ~a.1(N02)  3x III: 3p	PC25-sq o0980700	F224A	F224A				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
KU <sub>6</sub> ~a+GIŠ	ZERO						
		o0980701	F2249				
KU <sub>6</sub> ~a+KU <sub>6</sub> ~a	PC25						
128AC			128AC		128AC		128AC
10x IV: 1p/1u; III: 5p/3u	o0980702	ZATU303					
KU <sub>6</sub> ~a@s	UNP						
		o0980703	ZATU446	F2445			
1x III: 1u							
KU <sub>6</sub> ~c	PC25						
128AD			128AD				
1x III: 1p	o0980704	ZATU302					128AD
KU <sub>6</sub> ~d	PC25						
128AE			128AE				
2x IV: 1u; III: 2p	o0980705	ZATU217					
KUN	EDI						
		o0980706	F24DD				
KUR~a	PC25						
128AF			128AF		128AF		128AF
361x IV: 40p/7u; III: 231p/97u	o0980707	ZATU304					
KUR~a.E <sub>2</sub> ~a	PC25-sq						
		o0980708	ZATU130	F224B			
13x III: 11p/2u							
KUR~a.NUNUZ~a1	ZERO						
		o0980709	F224C				
KUR~b	PC25						
128B0			128B0		128B0		
6x IV: 3p/2u; III: 4p	o0980710	ZATU304					
KUR~b.E <sub>2</sub> ~a	UNP						
		o0980711	ZATU130	F224D			
1x IV: 1u; III: 1p							
KUR~c	PC25						
128B1			128B1		128B1		
1x III: 1p	o0980712	ZATU304					
KUR~d	UNP						
		o0980713	ZATU304	F2446			
1x IV: 1u							
KUR@g~a	PC25						
128B2			128B2		128B2		
CDLI:  KUR@g~a							
9x IV: 3p/2u; III: 6p	o0980714	ZATU329					
KUR@g~b	PC25						
128B3			128B3		128B3		
CDLI:  KUR@g~b							
1x IV: 1p; III: 1p	o0980715	ZATU329					
KUŠU <sub>2</sub> ~a	PC25						
128B4			128B4		128B4		
4x IV: 4p; III: 2p	o0980716	ZATU305					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
KUŠU₂~b 128B5 7× IV: 3p/2u; III: 2p/1u	PC25 o0980717 ZATU305						
KUŠU₂~c 128B6 3× III: 2p/1u	PC25 o0980718 ZATU305						
KUŠU₂~d 128B7 1× III: 1p	PC25 o0980719 ZATU305						
KUŠU₂~e 128B8 1× IV: 1p	PC25 o0980720 ZATU305						
KUŠU₂~f 128B9 1× III: 1p	PC25 o0980721 ZATU305						
LA~b 128BA AKA: LA 3× IV: 1p; III: 3p	PC25 o0980722 ZATU306						
LA~c 1× III: 1u	UNP o0980723 ZATU306						
LA~d 128BB 1× IV: 1p; III: 1p	PC25 o0980724 ZATU306						
LA~e o0980725	EDI						
LA₂ 128BC 91× IV: 2p; III: 53p/36u	PC25 o0980726 ZATU307						
LAGAB~a 128BD 52× IV: 9p/1u; III: 20p/24u	PC25 o0980727 ZATU308						
LAGAB~axBa  1× III: 1u	UNP o0980728						
LAGAB~axBIR₃~b  2× III: 2u	UNP o0980729						
LAGAB~axDU₆~a  128BE AKA:  LAGAB~axDU₆~b  CDLI:  LAGAB~axDU₆~b  1× IV: 1p	PC25 o0980730 ZATU310						
LAGAB~axKAK~a  1× III: 1u	UNP o0980731						
LAGAB~axKU₆~a  128BF 1× III: 1p	PC25 o0980732 ZATU313						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
LAGAB~a×(KU <sub>6</sub> ~a+KU <sub>6</sub> ~a)  128C0  1× III: 1p o0980733	PC25	 128C0					 128C0
LAGAB~a×KUŠU <sub>2</sub> ~a@t  128C1  AKA:  LAGAB~a×KUŠU <sub>2</sub> ~b  CDLI:  LAGAB~a×KUŠU <sub>2</sub> ~b  3× IV: 2p/1u; III: 2p o0980734 ZATU314	PC25	 128C1					
LAGAB~a×LA <sub>2</sub> ~a  128C2  1× o0980735	UNP	 F2521					
LAGAB~a×LAGAB~a  128C3  1× III: 1u o0980736	UNP	 F244B					
LAGAB~a×ME~a  128C4  2× IV: 2p; III: 1p o0980737 ZATU315	PC25	 128C2  1F211C		 F211C			
LAGAB~a×NI~a  128C5  1× III: 1u o0980738	UNP	 F2520					
LAGAB~a×NUN~b  128C6  2× IV: 1p/1u; III: 1p o0980739 ZATU316	PC25	 128C3		 128C3			
LAGAB~a×PA~a  128C7  5× IV: 2p; III: 3p/1u o0980740 ZATU317	PC25	 128C4			 128C4		
LAGAB~a×SI  128C8  3× III: 3u o0980741	UNP	 F244C					
LAGAB~a×SIG <sub>7</sub>   128C9  1× III: 1p o0980742	PC25	 128C5					
LAGAB~a×SU~a  128C10  1× III: 1p o0980743	PC25	 128C6					
LAGAB~a×ŠA  128C11  10× III: 10p o0980744 ZATU318	PC25	 128C7  1F211D  2F211E		 F211D		 F211E	
LAGAB~a×ŠITA~a1  128C12  20× III: 19p/1u o0980745 ZATU319	PC25	 128C8  1F211F		 F211F	 128C8	 128C8	
LAGAB~a×TI  128C13  1× III: 1p o0980746	PC25	 128C9  1F2120		 F2120			

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
LAGAB~a×U <sub>4</sub>   128CA 1× III: 1p	PC25 o0980747	128CA	128CA			128CA	
LAGAB~a×UB  128CB 1× IV: 1p	PC25 o0980748	128CB	128CB				
LAGAB~a×X  3× IV: 1p; III: 2p	PC25-bk o0980749	F2121 1 F2122	128CC	F2122			
LAGAB~a×ZATU753  128CC 2× IV: 1p; III: 1p	PC25 o0980750 ZATU321	128CC 1 F2123	128CC	F2123			
LAGAB~a×2(N14)  128CD 1× IV: 1p; III: 1p	PC25 o0980751 ZATU320	128CD	128CD	128CD			
LAGAB~a×1(N58)  128CE 1× III: 1p	PC25 o0980752	128CE	128CE				128CE
LAGAB~b 128CF 149× IV: 5p/2u; III: 107p/33u	PC25 o0980753 ZATU308	128CF	128CF	128CF	128CF	128CF	128CF
LAGAB~b,TE  10× IV: 1p; III: 9p	PC25-sq o0980754	128CF					
LAGAB~b×BANSUR~a  1× IV: 1u	UNP o0980755 ZATU309	F244D	F244D				
LAGAB~b×GA'AR~a1  1× IV: 1u	UNP o0980756 ZATU311	F244E	F244E				
LAGAB~b×HI  128D0 1× IV: 1p; III: 1p	PC25 o0980757 ZATU312	128D0	128D0				
LAGAB~b×(HI×1(N04))  AKA:  LAGAB~b×(HI×N04)  1× o0980758	UNP	F251F	F251F				
LAGAB~b×KUR~e  128D1 1× IV: 1p	PC25 o0980759 ZATU175	128D1	128D1				
LAGAB~b×PA~a  128D2 1× III: 1p	PC25 o0980760 ZATU317	128D2	128D2				
LAGAB~b×SI  o0980761	EDI	F2501	F2501				
LAGAB~b×SUH <sub>3</sub>   1× III: 1u	UNP o0980762	F244F	F244F				
LAGAB~b×ŠITA~c  o0980763	EDI	F2500	F2500				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
LAGAB~b×U <sub>4</sub>   128D3 2× III: 2p	PC25 o0980764	128D3	128D3				
LAGAB~b×X  1×	EDI o0980765	F2502	F2502				
LAGAB~b×1(N01)  o0980766	EDI	F24FF	F24FF				
LAGAB~b&LAGAB~b  128D4 AKA:  LAGAB~b+LAGAB~b   LAGAB~b×LAGAB~b  CDLI:  LAGAB~b×LAGAB~b  4× III: 3p/1u	PC25 o0980767	128D4	128D4	128D4			
LAGAR~a 128D5 61× IV: 16p/4u; III: 42p/9u	PC25 o0980768 ZATU323	128D5	128D5	128D5	128D5		
LAGAR~a@r 128D6 1× III: 1p	PC25 o0980769	128D6	128D6				
LAGAR~b1 128D7 5× IV: 4p; III: 5p	PC25 o0980770 ZATU323	128D7	128D7				
LAGAR~b2 128D8 3× IV: 3p	PC25 o0980771 ZATU323	128D8	128D8	128D8			
LAGAR~c 128D9 4× IV: 3p; III: 3p	PC25 o0980772 ZATU323	128D9	128D9	128D9	128D9		
LAHTAN <sub>2</sub> 9× III: 7p/2u	PC25-sq o0980773 ZATU324	F2266	F2266	F2266			
LAK025 o0980774	EDI	F24DF	F24DF				
LAK050 o0980775	EDI	F24E0	F24E0				
LAK172 o0980776	EDI	F24E1	F24E1				
LAK251 o0980777	EDI	F24E2	F24E2				
LAK350 o0980778	EDI	F24E3	F24E3				
LAK777 o0980779	EDI	F24E4	F24E4				
LAL <sub>2</sub> ~a 128DA 39× IV: 14p; III: 31p/6u	PC25 o0980780 ZATU325	128DA	128DA	128DA	128DA	128DA	
LAL <sub>2</sub> ~a×EZEN~a  1× IV: 1u	UNP o0980781 ZATU326	F2450	F2450				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
LAL <sub>2</sub> -a×NAGA-a  128DB 2× III: 2p	PC25 o0980782						
LAL <sub>2</sub> -a×NIM-b2  128DC 3× III: 2p/1u	PC25 o0980783						
LAL <sub>2</sub> -b 128DD 1× IV: 1p	PC25 o0980784 ZATU325						
LAL <sub>3</sub> -a 128DE 5× III: 2p/3u	PC25 o0980785 ZATU327						
LAL <sub>3</sub> -b 128DF 2× III: 1p/1u	PC25 o0980786 ZATU327						
LAL <sub>3</sub> -c o0980787	EDI						
LAM-a 128E0 5× III: 4p/1u	PC25 o0980788 ZATU328						
LAM-b 128E1 61× IV: 12p/5u; III: 35p/19u	PC25 o0980789 ZATU328		 <sup>1</sup> F2124  <sup>2</sup> F2125	 <sup>1</sup> F2124  <sup>2</sup> F2125	 <sup>1</sup> F2124  <sup>2</sup> F2125		
LAM-b@r 128E2 1× IV: 1p; III: 1p	PC25 o0980790						
LAM-b@s o0980791 ZATU329	UNP						
LAM-b@t 128E3 CDLI:  LAM-b@t  2× IV: 2p; III: 2p	PC25 o0980792						
LAM-c o0980793	EDI						
LI 7× III: 7p	PC25-sq o0980794 ZATU330		 <sup>1</sup> F2127	 <sup>1</sup> F2127	 <sup>1</sup> F2127		
LIŠ 128E4 10× III: 3p/7u	PC25 o0980795 ZATU331						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
LU <sub>2</sub> 128E5	PC25 o0980796 ZATU332	1 F2128 2 128E5 2 F2129	 128E5	 F2128	 128E5	 128E5	
58x IV: 1p/1u; III: 31p/24u							
LU <sub>2</sub> ×GEŠTU~c3	UNP						
1x III: 1u	o0980797 ZATU333	F2452					
LU <sub>2@t</sub>	EDI						
	o0980798	F24E7					
LUGAL	PC25-sq	1 F212B 2 F212A					
13x IV: 1u; III: 8p/4u	o0980799 ZATU334		 128E6				
LUM 128E6	PC25 o0980800 ZATU335	 128E6	 128E6				
14x IV: 1p; III: 9p/4u							
MA 128E7	PC25 o0980801 ZATU336	128E7 1 F212C	 F212C	 128E7 F212C	 F212C	 F212C	
195x IV: 38p/20u; III: 100p/51u							
MA×A  128E8	PC25 o0980802 ZATU337	 128E8					
2x IV: 2p							
MA×MA  128E9	PC25 o0980803 ZATU338	 128E9			 128E9		
9x IV: 8p; III: 4p							
MA×X	EDI						
	o0980804	F2504					
MA×2(N57)	EDI						
	o0980805	F2503					
MA×1(N58)  128EA	PC25 o0980806	 128EA					
1x III: 1p							
MA <sub>2</sub> 128EB	PC25 o0980807 ZATU339	 128EB			 128EB		
9x IV: 5p/2u; III: 4p/1u							
MAGUR~a 128EC	PC25 o0980808 ZATU340	 128EC			 128EC		
4x IV: 4p; III: 4p							
MAGUR~b	UNP						
1x IV: 1u	o0980809 ZATU340	F2453					
MAH~a 128ED	PC25 o0980810 ZATU341	 128ED		 128ED	 128ED		
13x IV: 2p; III: 9p/4u							
MAH~a×AB <sub>2</sub>   128EE	PC25 o0980811	 128EE					
1x IV: 1p							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
MAH~a×GUUKKAL~a  128EF 1× IV: 1p; III: 1p o0980812 ZATU342	PC25 128EF	128EF	128EF	128EF			
MAH~a×KU <sub>6</sub> ~a  128F0 2× IV: 1u; III: 1p o0980813 ZATU343	PC25 128F0	128F0	128F0				
MAH~a×MAŠ  128F1 11× IV: 4p; III: 7p/2u o0980814 ZATU344	PC25 128F1	128F1	128F1	128F1			
MAH~a×NA~a  128F2 3× III: 3p o0980815	PC25 128F2	128F2	128F2	128F2	128F2	128F2	
MAH~a×(SILA <sub>3</sub> ~a×UMBIN~a)  128F3 1× IV: 1p; III: 1p o0980816 ZATU346	PC25 128F3	128F3	128F3	128F3			
MAH~a×TUG <sub>2</sub> ~a  128F4 1× IV: 1p; III: 1p o0980817 ZATU347	PC25 128F4	128F4	128F4	128F4			
MAH~a×TUN <sub>3</sub> ~c  128F5 1× III: 1p o0980818	PC25 128F5	128F5					128F5
MAH~a×UD <sub>5</sub> ~a  128F6 2× IV: 2p; III: 2p o0980819 ZATU348	PC25 128F6	128F6	128F6	128F6			
MAH~a×UDU~a  128F7 1× IV: 1p; III: 1p o0980820 ZATU349	PC25 128F7	128F7	128F7	128F7			
MAH~a×UR~a  128F8 2× IV: 2p; III: 2p o0980821 ZATU350	PC25 128F8	128F8	128F8				
MAH~a×UTUA~a  128F9 1× IV: 1p; III: 1p o0980822 ZATU351	PC25 128F9	128F9	128F9	128F9			
MAH~a×X  128FB 7× IV: 5p; III: 6p/1u o0980823	PC25-bk F2454	F2454	F2454	F2454			
MAH~a×ZATU659  128FA 1× IV: 1p; III: 1p o0980824	PC25 128FA	128FA	128FA	128FA			
MAH~b 128FB 2× IV: 1p; III: 1p/1u o0980825 ZATU341	PC25 128FB	128FB	128FB	128FB			
MAH~b×KU <sub>6</sub> ~a  128FC 1× IV: 1u o0980826 ZATU343	UNP F2455	F2455	F2455				
MAH~b×MAŠ  128FC 1× III: 1u o0980827 ZATU344	UNP F2456	F2456	F2456				
MAH~b×NA~a  128FC 1× III: 1p o0980828	PC25 128FC	128FC	128FC				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
MAH~b×SAL  128FD 1x IV: 1p; III: 1p	PC25 o0980829 ZATU345	128FD	128FD		128FD		
MAR~a 128FE 164x IV: 16p/1u; III: 101p/47u	PC25 o0980830 ZATU352	128FE F212D	128FE F212D	128FE F212D	128FE F212D	128FE F212D	
MAR~a@g 128FF AKA: MAR@g~a 2x III: 2p	PC25 o0980831	128FF F212E	128FF				F212E
MAR~a@t 12900 1x IV: 1p; III: 1p	PC25 o0980832	12900	12900	12900			
MAR~b 12901 22x IV: 10p; III: 12p/1u	PC25 o0980833 ZATU352	12901	12901	12901	12901	12901	
MAR~b×GAR  12902 1x III: 1p	PC25 o0980834	12902					
MAR~b×(LAGAB~b.ŠE <sub>3</sub> )  12903 1x IV: 1p	PC25 o0980835 ZATU353	12903	12903	12903			
MAR~b×ŠE~a  12904 1x IV: 1p; III: 1p	PC25 o0980836 ZATU354	12904	12904	12904			
MAR~b×X  2x III: 2p	PC25-bk o0980837	F2457	F2457	F2457			
MAŠ 12905 220x IV: 50p/1u; III: 141p/65u	PC25 o0980838 ZATU355	12905	12905	12905	12905	12905	
MAŠ <sub>2</sub> 12906 AKA: MAŠNITA 164x IV: 2p; III: 84p/75u	PC25 o0980839 ZATU357	12906	12906	12906	12906	12906	
MAŠ <sub>2</sub> @g 12907 1x III: 1p	PC25 o0980840	12907					
ME~a 12908 511x IV: 24p/13u; III: 381p/98u	PC25 o0980841 ZATU358	12908	12908	12908	12908	12908	
ME~b 12909 4x IV: 2p; III: 4p	PC25 o0980842 ZATU358	12909	12909	12909			

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ME <sub>3</sub> 1290A 5x III: 4p/1u	PC25 o0980843 ZATU359	1290A					
MEN~a 1290B 48x IV: 2p/2u; III: 28p/16u	PC25 o0980844 ZATU360	1 F212F 1290B 2 F2130	1290B	1290B	F2130	1290B	F212F
MEN~b 1290C 4x IV: 2p; III: 2p	PC25 o0980845 ZATU360	1290C					
MES 1290D 41x III: 35p/6u	PC25 o0980846 ZATU361	1 F2131 1290D	1290D	(a) 1290D		(a) F2131	
MIR~a 1290E 23x III: 21p/2u	PC25 o0980847 ZATU362	1290E		1290E			
MIR~b 1290F 16x III: 10p/6u	PC25 o0980848 ZATU362	1290F		1290F			
MU 12910 140x IV: 13p/1u; III: 111p/20u	PC25 o0980849 ZATU363	12910	12910	12910	12910	12910	12910
MUD 12911 115x IV: 2u; III: 81p/32u	PC25 o0980850 ZATU364	12911 1 F2132	12911	12911		12911	
MUD <sub>3</sub> ~a 12912 35x IV: 3p; III: 25p/7u	PC25 o0980851 ZATU365	12912		12912		12912	
MUD <sub>3</sub> ~a@g 12913 AKA: MUD <sub>3</sub> @g 6x III: 4p/2u	PC25 o0980852 ZATU366	12913 1 F2133	12913	(o) 12913		F2133	
MUD <sub>3</sub> ~a@gxGU  o0980853	EDI	F2505					
MUD <sub>3</sub> ~b 12914 2x IV: 1p; III: 1p/1u	PC25 o0980854 ZATU365	12914			12914		
MUD <sub>3</sub> ~c 12915 4x III: 4p	PC25 o0980855 ZATU365	12915		12915		12915	
MUD <sub>3</sub> ~d 12916 5x III: 5p	PC25 o0980856 ZATU365	12916					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
MUL 12917 3x III: 2p/1u	PC25 o0980857 ZATU367	12917	12917	12917			
MUN~a1 12918 59x IV: 5p/2u; III: 33p/18u	PC25 o0980858 ZATU368	1 F2134	12918	12918		F2134	
MUN~a2 12919 4x III: 2p/2u	PC25 o0980859 ZATU368	1 F2135	12919	1 F2135			
MUN~a3 1291A 2x IV: 1p; III: 1u	PC25 o0980860 ZATU368		1291A				
MUN~a4 1291B 1x III: 1p	PC25 o0980861 ZATU368		1291B	1291B			
MUN~b 1291C 2x III: 2p	PC25 o0980862 ZATU368		1291C	1291C			
MUNŠUB~a 1291D 2x IV: 2p	PC25 o0980863 ZATU369		1291D				
MUNŠUB~b 1291E 18x III: 1p/17u	PC25 o0980864 ZATU369		1291E	1291E			
MUNU <sub>3</sub> 1291F 16x III: 15p/1u	PC25 o0980865 ZATU370		1291F	1291F			
MURUB <sub>2</sub> 12920 5x III: 3p/2u	PC25-sq o0980866 ZATU371		F2259	F2259			
MUŠ 12920 3x III: 3p	PC25 o0980867 ZATU373		12920	12920			
MUŠ <sub>a</sub> 12921 339x IV: 59p/7u; III: 251p/66u	PC25 o0980868 ZATU374		1 F2137 2 F2138 12921	12921	F2137 12921	F2138 12921	12921
MUŠ <sub>a@g</sub> 12922 6x IV: 2p/4u	PC25 o0980869 ZATU375		12922 1 F2136	12922			
MUŠ <sub>b</sub> 12923 4x IV: 1p; III: 3p	PC25 o0980870 ZATU374		12923	12923			
MUŠEN 12924 321x IV: 24p/4u; III: 220p/80u	PC25 o0980871 ZATU376		1 F2139 12924	12924	12924	12924	

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
MUŠEN.UR <sub>3</sub> -b2  2x IV: 1p/1u o0980872 ZATU377	PC25-sq F213A F213B	 1			 F213A		
MUŠEN.3(N58)  1x III: 1u o0980873	UNP 12924						
MUŠEN×PAP~a  1x III: 1u o0980874	UNP F2506						
MUŠEN×X  o0980875	ZERO F2458					 F2458	
1(N02).RU  1x III: 1p o0980876	PC25-sq 125BE						
1(N58).BAD  12925 AKA:  1(N58).BAD-a   1(N58).BAD~a   BAD+DiŠ~a   BAD+DiŠ~a  CDLI:  1(N58).BAD~a  85x IV: 18p/3u; III: 60p/18u o0980877 ZATU043	PC25 12925			 12925	 12925	 12925	 12925
(1(N58).BAD)-b  12926 AKA:  (1(N58).BAD-b)  CDLI:  1(N58).BAD-b  6x IV: 4p/2u; III: 3p o0980878 ZATU043	PC25 12926 1 F2223	 1	 F2223	 F2223			
3(N58).UR <sub>3</sub> -b1  12927 1x III: 1p o0980879	PC25 12927			 12927			
NA~a 12928 AKA: NA 169x IV: 4p/2u; III: 95p/70u o0980880 ZATU378	PC25 12928			 12928		 12928	 12928
NA~b 12929 8x IV: 5p; III: 2p/2u o0980881 ZATU378	PC25 12929			 12929			
NA~c 1292A 4x IV: 4p; III: 1p o0980882 ZATU378	PC25 1292A			 1292A			
NA~d 1x III: 1u o0980883 ZATU378	UNP F2459						
NA <sub>2</sub> ~a 1292B 84x IV: 4p/4u; III: 53p/25u o0980884 ZATU379	PC25 1 F213C 1292B	 1	 F213C	 1292B	 F213C	 1292B	 1292B
NA <sub>2</sub> ~b1 1292C 6x IV: 1p; III: 6p o0980885 ZATU379	PC25 1292C				 1292C		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NA <sub>2</sub> ~b2 1292D 7x III: 6p/1u	PC25 o0980886 ZATU379	1292D					
NA <sub>2</sub> ~c 1292E 1x III: 1p	PC25 o0980887 ZATU379	1292E					1292E
NAB 1292F 20x III: 15p/4u	PC25 o0980888 ZATU380	*	1292F 1 <sup>1</sup> F213D 2 <sup>2</sup> F213E	*			1292F
NAGA~a 12930 AKA: NAGA 163x IV: 16p/6u; III: 107p/37u	PC25 o0980889 ZATU381	12930		12930	12930	12930	12930
NAGA~a×TAK <sub>4</sub> ~a  12931 1x III: 1p	PC25 o0980890	12931					
NAGA~b 12932 7x IV: 6p/1u; III: 2p	PC25 o0980891 ZATU381	12932		12932			
NAGAR~a 12933 100x IV: 40p; III: 52p/10u	PC25 o0980892 ZATU382	12933	1 F213F 2 F2140 3 F2141 12933	12933 12933 12933 12933	12933 12933 12933 12933		
NAGAR~b 12934 95x IV: 1p/1u; III: 90p/5u	PC25 o0980893 ZATU382	12934	1 F2142	12934 12934	12934	12934	
NAM~a 12935 11x IV: 5p; III: 4p/3u	PC25 o0980894 ZATU383	12935			12935		
NAM~b 12936 3x IV: 3p; III: 3p	PC25 o0980895 ZATU383	12936			12936		
NAM~c 12937 4x IV: 1u; III: 3p	PC25 o0980896 ZATU383	12937					
NAM~d 12938 5x IV: 1u; III: 2p/2u	PC25 o0980897 ZATU383	12938		12938		12938	

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NAM <sub>2</sub> 12939	PC25	12939 F2143		12939	12939	12939	12939
829x IV: 66p/12u; III: 580p/219u	o0980898 ZATU384						
NAM <sub>2</sub> ×1(N01)  1293A	PC25	1293A					
1x III: 1p	o0980899 ZATU385						
NAM <sub>2</sub> @g 1293B	PC25	1293B		1293B			
1x III: 1p	o0980900 ZATU386						
NAM <sub>2</sub> @t 1293C	PC25	1293C			1293C		
9x IV: 1p; III: 1p/8u	o0980901						
NAMEŠDA	PC25-sq	12945 F2144		F2145	F2145	F2145	F2145
87x IV: 2p/1u; III: 69p/18u	o0980902 ZATU387						
NANNA~a	PC25-sq	F2146 12947 2 F2148		F2148 (o)			
11x III: 6p/5u	o0980903 ZATU388						
NANNA~b	PC25-sq	12945					
2x III: 2p	o0980904 ZATU388	F2265					
NANŠE~a 1293D	PC25	1293D					
6x IV: 2p; III: 4p/1u	o0980905 ZATU389						
NANŠE~b 1293E	PC25	1293E		1293E			
7x III: 7p	o0980906 ZATU389						
NAR 1293F	PC25	1293F 1 F2149		F2149	1293F	F2149	1293F
127x IV: 5p; III: 64p/56u	o0980907 ZATU390						
NE~a 12940	PC25	12940 1 F214A 2 F214B 3 F214C		F214A	12940 F214A	F214C	F214B
345x IV: 50p/17u; III: 192p/89u	o0980908 ZATU391						
NE~b 12941	PC25	12941					
1x IV: 1p	o0980909 ZATU391						
NE~c 12942	PC25	12942 1 F214D		F214D			
3x IV: 1p; III: 3p	o0980910 ZATU391						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NE~d 12943 2x IV: 2p	PC25 o0980911 ZATU391	 12943	 12943	 12943			
NERGAL~v CDLI: NERGAL~x 1x III: 1p	PC25-sq o0980912 ZATU392	 F2240	 F2240	 F2240			
NESAG <sub>2</sub> ~a 12944 73x IV: 37p/2u; III: 58p/8u	PC25 o0980913 ZATU416 ZATU570	 12944 <sup>1</sup>  F214E	 12944 <sup>1</sup>  F214E	 F214E	 F214E		
NESAG <sub>2</sub> ~a2 AKA: NISAG~a3 1x III: 1u	UNP o0980914 ZATU416	 F2530					
NESAG <sub>2</sub> ~b 12945 24x IV: 9p/3u; III: 14p/1u	PC25 o0980915 ZATU416	 <sup>1</sup>  F214F <sup>1</sup>  12945		 12945		 F214F	
NESAG <sub>2</sub> ~b@t 1x III: 1u	UNP o0980916	 F245A					
NI~a 12946 356x IV: 13p/6u; III: 200p/145u	PC25 o0980917 ZATU393	 12946	 12946	 12946	 12946	 12946	
NI~a.RU  78x III: 78p	PC25-sq o0980918	 F2256				 F2256	
NI~a×1(N57)  o0980919	ZERO	 F245B					
NI~a@g 12947 1x IV: 1p	PC25 o0980920 ZATU394	 12947			 12947		
NI~b 12948 91x IV: 8p; III: 79p/10u	PC25 o0980921 ZATU393	 12948	 12948	 12948	 12948	 12948	
NI~b×X  1x IV: 1p; III: 1p	PC25-bk o0980922	 F245C	 F245C				
NI~b×4(N57)  12949 1x III: 1p	PC25 o0980923	 12949 <sup>1</sup>  F2150	 12949 <sup>1</sup>  F2150				
NI~b×8(N57)  1294A CDLI:  8(N57).NI~b  1x III: 1p	PC25 o0980924	 1294A	 1294A				
NI <sub>2</sub> 1294B 32x III: 27p/5u	PC25 o0980925 ZATU396	 1294B	 1294B	 1294B			
NIGIN 1294C 9x III: 7p/2u	PC25 o0980926 ZATU397	 1294C	 1294C	 1294C		 1294C	

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NIM~a 1294D 88x IV: 22p/6u; III: 64p/15u o0980927 ZATU398	PC25						
NIM~b1 1294E 68x IV: 2p; III: 42p/25u o0980928 ZATU398	PC25						
NIM~b2 1294F 22x IV: 3p; III: 12p/9u o0980929 ZATU398	PC25						
NIM~b3 12950 1x III: 1p o0980930 ZATU398	PC25						
NIM~d UNP 1x o0980931 ZATU398							
NIMGIR 12951 84x IV: 23p/1u; III: 59p/15u o0980932 ZATU399	PC25	 1 			 F2151 12951		
NIN 107x IV: 1p/1u; III: 68p/37u o0980933 ZATU400	PC25-sq						
NINDA <sub>2</sub> 12952 23x IV: 9p/3u; III: 15p/2u o0980934 ZATU401	PC25	 1 		 12952	 F2152 12952	 12952	
NINDA <sub>2</sub> ~AN  12953 2x III: 1p/1u o0980935	PC25						
NINDA <sub>2</sub> ~(AN.HI)  12954 2x III: 2p o0980936	PC25						
NINDA <sub>2</sub> ~(AN.ME~a)  12955 1x III: 1p o0980937 ZATU406	PC25	 1  3 					
NINDA <sub>2</sub> ~(AN.X)  1x III: 1p o0980938	PC25-bk						
NINDA <sub>2</sub> ~BA  1x III: 1u o0980939 ZATU402	UNP						
NINDA <sub>2</sub> ~EZEN~b  12956 2x III: 2p o0980940 ZATU403	PC25						
NINDA <sub>2</sub> ~GA'AR~a1  12957 1x III: 1p o0980941	PC25						
NINDA <sub>2</sub> ~GAR  12958 3x IV: 1p/1u; III: 1p o0980942 ZATU404	PC25						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NINDA₂×GIŠ  12959 3x IV: 1p; III: 3p o0980943	PC25 ZATU405	12959	12959				
NINDA₂×(GIŠ.DAR~a)  o0980944	EDI	F2508	F2508				
NINDA₂×GU₄  1295A 1x III: 1p o0980945	PC25	1295A	1295A				
NINDA₂×GUDU₄  o0982243	DEL ZATU406	1 F2156 2 F2155 1 F2154 3 F2153	1 F2156 2 F2155 1 F2154 3 F2153				
NINDA₂×HI  1295B 5x III: 3p/2u o0980946	PC25 ZATU407	1295B	1295B				
NINDA₂×(HI.AN.ME~a)  1295C 5x III: 3p/2u o0980947	PC25 ZATU406	1295C 1 F2154 2 F2155	1295C 1 F2154 2 F2155				
NINDA₂×(HI.ME~a)  1295D AKA:  NINDA₂×(HI+ME~a)  4x III: 1p/3u o0980948	PC25 ZATU406	1295D 1 F2156	1295D 1 F2156				
NINDA₂×(HI.X)  1x III: 1p o0980949	PC25-bk	F245F	F245F				
NINDA₂×KAŠ~b  1295E 3x III: 2p/1u o0980950	PC25	1295E	1295E			1295E	
NINDA₂×MAR~a  1295F 1x o0980951	PC25 ZATU408	1295F	1295F			1295F	
NINDA₂×MAR~b  12960 1x III: 1p o0980952	PC25 ZATU408	12960	12960				
NINDA₂×NE~a  o0980953	EDI	F2509	F2509				
NINDA₂×NUN~a  12961 3x III: 3p o0980954	PC25	12961	12961				12961
NINDA₂×ŠIM~a  o0980955	EDI	F250A	F250A				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NINDA <sub>2</sub> ×U <sub>4</sub> ] 12962 3× III: 1p/2u		PC25 o0980956	 12962				
NINDA <sub>2</sub> ×(U <sub>4</sub> .X)  1× III: 1u		UNP o0980957	 F2460				
NINDA <sub>2</sub> ×(UDU~a×TAR~a)  AKA:  NINDA <sub>2</sub> ×((UDU~a×TAR)~a)  CDLI:  NINDA <sub>2</sub> ×((UDU~a×TAR)~a)  1× III: 1u		UNP o0980958	 F2461				
NINDA <sub>2</sub> ×(UDU~a×TAR~b)  AKA:  NINDA <sub>2</sub> ×((UDU~a+TAR)~b)  1× III: 1u		UNP o0980959	 F2462				
NINDA <sub>2</sub> ×X  12× IV: 2p/1u; III: 4p/5u		PC25-bk o0980960	 F2463			 F2463	
NINDA <sub>2</sub> ×(X.MAŠ)  o0980961		EDI	 F250B				
NINDA <sub>2</sub> ×(ZATU659×1(N01))  12963 2× III: 2p		PC25 o0980962	 12963			 12963	
NINDA <sub>2</sub> ×ZATU710  12964 3× III: 3p		PC25 o0980963	 12964				 12964
NINDA <sub>2</sub> ×1(N01)  12965 7× IV: 3p/1u; III: 3p/1u		PC25 o0980964	 12965		 12965	 12965	
NINDA <sub>2</sub> ×2(N01)  12966 1× III: 1p		PC25 o0980965	 12966				
NINDA <sub>2</sub> ×1(N06)  o0980966		EDI	 F2507				
NINDA <sub>2</sub> ×(1(N06).HI@g~a)  12967 AKA:  NINDA <sub>2</sub> ×(HI@g~a.1(N06))  CDLI:  NINDA <sub>2</sub> ×(HI@g~a.1(N06))  2× III: 1p/1u		PC25 o0980967	 12967				
NINDA <sub>2</sub> ×1(N08)  12968 1× IV: 1p; III: 1p		PC25 o0980968	 12968		 12968		
NINKUM 10× III: 10p		PC25-sq o0980969	 F225C		 F225C		
NINLIL 4× III: 4p		PC25-sq o0980970	 F2233		 F2233		
NIR~a 12969 32× IV: 1u; III: 23p/7u		PC25 o0980971	 12969		 12969	 12969	

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS			
NIR~a×AN  1296A 14× III: 5p/9u	PC25 o0980972 ZATU415	1296A								
NIR~b 1296B 15× IV: 11p; III: 11p	PC25 o0980973 ZATU414	1296B								
NU 1296C 63× IV: 4p/4u; III: 39p/18u	PC25 o0980974 ZATU417	1296C								
NU@g 1296D 21× IV: 5p/7u; III: 12p	PC25 o0980975 ZATU418	1296D <sup>1</sup> F2157								
NU <sub>11</sub> 1296E 45× IV: 2p; III: 37p/6u	PC25 o0980976 ZATU419	1296E								
NU <sub>11</sub> &NU <sub>11</sub>   1296F 1× III: 1p	PC25 o0980977	1296F								
NU <sub>11</sub> @t 12970 CDLI:  NU <sub>11</sub> @t  4× III: 2p/2u	PC25 o0980978	12970								
NUMUN 12971 15× IV: 1p; III: 12p/2u	PC25 o0980979	12971								
NUMUN <sub>2</sub> 2× III: 2u	UNP o0980980 ZATU420	F2464								
NUN~a 12972 726× IV: 103p/13u; III: 522p/155u	PC25 o0980981 ZATU421	12972								
NUN~a+A  12973 3× IV: 2p; III: 3p	PC25 o0980982 ZATU422	12973								
NUN~a+EN~a  12974 AKA:  EN~a×NUN~a  39× IV: 12p/5u; III: 21p/5u	PC25 o0980983 ZATU135	12974								
NUN~a+EN~b  12975 5× IV: 2p/3u; III: 1p	PC25 o0980984 ZATU135	12975			 (b)					
NUN~a+EN~d  12976 1× IV: 1p	PC25 o0980985 ZATU135	12976								
NUN~a+NAM <sub>2</sub>   12977 13× III: 13p	PC25 o0980986	12977								

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NUN~b 12978	PC25						
117× IV: 36p/3u; III: 49p/61u	o0980987 ZATU421	12978	12978	12978			
NUN~b.U <sub>4</sub>	PC25-sq						
1× III: 1p	o0980988	12978					
NUN~b+EN~a  12979	PC25						
AKA:  EN~a+NUN~b  9× III: 8p	o0980989 ZATU135	12979					
NUN~c 1297A	PC25						
18× IV: 15p/2u; III: 8p	o0980990 ZATU421	1 F2158 1297A 2 F2159 3 F215A	1 F2158 1297A 2 F2159	1297A			
NUN~d 1297B	PC25						
4× IV: 3p; III: 1p	o0980991 ZATU421	1297B					
NNUZ~a0 1297C	PC25						
AKA: NNUZ~a1@n 13× III: 3p/10u	o0980992 ZATU423	1297C					
NNUZ~a1 1297D	PC25						
184× IV: 3p/2u; III: 113p/67u	o0980993 ZATU423	1297D		1297D	1297D	1297D	1297D
NNUZ~a1@t	UNP						
CDLI:  NNUZ~a1@t  2× III: 2u	o0980994	F2465	-●●-				
NNUZ~a2 1297E	PC25						
14× IV: 6p; III: 5p/5u	o0980995 ZATU423	1297E			1297E	1297E	
NNUZ~b1 1297F	PC25						
5× IV: 2p; III: 5p	o0980996 ZATU423	1297F		1297F	1297F		
NNUZ~b2	UNP						
1× III: 1u	o0980997 ZATU423	F2466	-●-				
NNUZ~c 12980	PC25						
27× IV: 1p; III: 15p/11u	o0980998 ZATU423	12980 1 F215B 2 F215C 3 F215D	12980 1 F215B 2 F215C 3 F215D	12980 1 F215B 2 F215C 3 F215D	12980 1 F215C	12980	

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
PA~a 12981		PC25	 1 F215E 12981  2 F215F 2 F215F  3 F2160 3 F2160		 F215E 12981  F215F F215F	 F215E 12981  F215F 12981		
514x IV: 43p/8u; III: 370p/116u	o0980999	ZATU425						
PA~b 12982		PC25	 12982	 12982	 12982			
2x IV: 2p; III: 1p	o0981000	ZATU425						
PA <sub>3</sub>		EDI	 F24E8	 F24E8				
o0981001								
PAD~a 12983		PC25	 12983	 12983	 12983	 12983	 12983	
30x IV: 3p; III: 19p/9u	o0981002	ZATU426						
PAD~b 12984		PC25	 12984	 12984	 12984			
1x III: 1p	o0981003	ZATU426						
PAP~a 12985		PC25	 12985	 12985	 12985	 12985	 12985	
855x IV: 55p/11u; III: 553p/246u	o0981004	ZATU427						
PAP~a@t 12986		PC25	 12986	 12986			 F2161	 F2161 (o)
AKA: PAP@t 21x III: 21p	o0981005							
PAP~b 12987		PC25	 12987	 12987	 12987		 12987	
4x IV: 2p/1u; III: 2p	o0981006	ZATU427	 1 F2162					
PIRIG~a1 12988		PC25	 12988	 12988	 12988	 12988		
19x IV: 17p/1u; III: 13p	o0981007	ZATU428						
PIRIG~a2 12989		PC25	 12989	 12989	 12989			
1x IV: 1p; III: 1p	o0981008	ZATU428						
PIRIG~a3 1298A		PC25	 1298A	 1298A	 1298A			
2x IV: 1p; III: 1p	o0981009	ZATU428						
PIRIG~b1 1298B		PC25	 1298B	 1298B	 1298B	 1298B	 1298B	 1298B
174x IV: 7p/3u; III: 112p/54u	o0981010	ZATU428						
PIRIG~b1+DIN  1298C		PC25	 1298C					 1298C
2x III: 2p	o0981011							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
PIRIG~b1×UR <sub>2</sub>   2× III: 2u o0981012	UNP	 F2467					
PIRIG~b1×1(N58@t)  o0981013	ZERO	 F2528					 F2528
PIRIG~b2 1298D 2× IV: 1p; III: 1p o0981014 ZATU428	PC25	 1298D					
PU <sub>2</sub> 1298E 40× IV: 1p; III: 35p/4u o0981015 ZATU430	PC25	 1298E <sup>1</sup> F2163		 F2163		 F2163	
RA 1298F 4× IV: 1p; III: 3p o0981016 ZATU431	PC25	 1298F				 1298F	
RAD~a 12990 238× IV: 5p/2u; III: 116p/111u o0981017 ZATU432	PC25	 12990		 12990	 12990	 12990	
RAD~a@g 12991 15× IV: 5p/1u; III: 7p/6u o0981018 ZATU433	PC25	 12991		 12991	 12991		
RAD~a@t CDLI:  RAD~a@t  2× III: 2u o0981019	UNP	 F2468					
RAD~b 12992 16× IV: 14p; III: 15p o0981020 ZATU432	PC25	 12992		 12992	 12992		
RI o0981021	EDI	 F24E9					
RI~x o0982244	DEL	 F24EA					
RI <sub>8</sub> ~a 12993 8× IV: 1p; III: 4p/3u o0981022 ZATU434	PC25	 12993		 12993			
RI <sub>8</sub> ~b 12994 1× III: 1p o0981023 ZATU434	PC25	 <sup>1</sup> F2164		 12994			 F2164
RU 12995 AKA: RU~a 345× IV: 17p/6u; III: 248p/82u o0981024 ZATU435	PC25	 <sup>1</sup> F2165		 12995	 12995	 12995	 F2165
RU@t CDLI:  RU@t  o0981025	ZERO	 F2469					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SA~a 12996 25× IV: 1p; III: 16p/8u	PC25 o0981026 ZATU436	PC25 12996	12996	12996	12996		
SA~c 12997 53× III: 40p/12u	PC25 o0981027 ZATU436	PC25 12997 1 F2166	12997 1 F2166				
SAG 12998 417× IV: 34p/8u; III: 277p/109u	PC25 o0981028 ZATU437	PC25 1 F2168 12998 2 F2169	1 F2168 12998 2 F2169	12998	F2168 12998 F2169	12998	12998
SAG+UKKIN~b×1(N57)  12999 AKA:  SAG×(UKKIN~b×1(N57))  1× III: 1p	PC25 o0981029	PC25 12999					12999
SAG×GEŠTU~a  1299A AKA:  SAG+GEŠTU~a  10× IV: 8p; III: 1p/1u	PC25 o0981030 ZATU438	PC25 1299A	1299A				
SAG×GEŠTU~b  1299B 3× III: 3p	PC25 o0981031 ZATU438	PC25 1299B 1 F2167	1299B 1 F2167				
SAG×GEŠTU~c  1× III: 1u	UNP o0981032 ZATU438	UNP F246A	F246A				
SAG×LAM~c  o0981033	EDI	EDI F250C	F250C				
SAG×MA  1299C 19× III: 18p	PC25 o0981034 ZATU439	PC25 1299C	1299C			1299C	
SAG×NAM <sub>2</sub>   1299D AKA:  SAG+NAM <sub>2</sub>   1× III: 1p	PC25 o0981035	PC25 1299D	1299D				
SAG×SAR~a  o0981036	EDI	EDI F250D	F250D				
SAG×1(N14)  1× III: 1u	UNP o0981037 ZATU440	UNP F246B	F246B				
SAG@g 1299E 9× III: 4p/5u	PC25 o0981038	PC25 1299E	1299E				1299E
SAG@n 1299F 18× IV: 1p; III: 17p/1u	PC25 o0981039 ZATU441	PC25 1299F	1299F	1299F	1299F		1299F

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SAGŠU 129A0  31× III: 17p/14u	PC25 o0981040 ZATU442	129A0	129A0			129A0	
SAL 129A1  985× IV: 57p/19u; III: 627p/310u	PC25 o0981041 ZATU443	129A1	129A1	129A1	129A1	129A1	
SAL.KUR~a   50× IV: 3p/1u; III: 35p/12u	PC25-sq o0981042 ZATU201	F2258	F2258		F2258	F2258	
SAL.LAM~b   2× III: 2u	UNP o0981043	F225A	F225A				
SAL.ME~a   AKA: LUKUR 1× III: 1p	PC25-sq o0981044	129A1					
SAL.ŠU₂   2× III: 2p	PC25-sq o0981045	F225F	F225F			F225F	
SAL.ZATU751~a   CDLI: *SAL.ZATU751~a 1× III: 1p	PC25-sq o0981046	F2260			F2260		
SAL.ZATU751~b   CDLI: *SAL+ZATU751~b	ZERO o0981047	F2261			F2261		
SAL.ZATU751~c   CDLI: *SAL+ZATU751~c 1× III: 1p	PC25-sq o0981048	F2262					F2262
SAL×1(N58)  129A2  2× III: 1p/1u	PC25 o0981049	129A2	129A2				
SANGA~a 129A3  716× IV: 75p/28u; III: 488p/155u	PC25 o0981050 ZATU444	1 F216A 2 F216B 3 129A3	1 F216A 2 F216B 3 129A3	F216A 129A3 (b)	F216A 129A3 F216B 129A3	129A3	129A3
SANGA~b 129A4  16× IV: 15p; III: 6p	PC25 o0981051 ZATU444	1 F216C 2 129A4	1 F216C 2 129A4		F216C 129A4		
SANGA~c 129A5  2× IV: 1p/1u	PC25 o0981052 ZATU444	1 129A5	1 129A5				
SANGA~e 129A6  1× III: 1p	PC25 o0981053 ZATU444	1 129A6 2 F222A					1 129A6 2 F222A
SAR~a 129A7  78× IV: 2p/2u; III: 49p/26u	PC25 o0981054 ZATU445	1 129A7	1 129A7	1 129A7	1 129A7	1 129A7	
SAR~a×ŠE~a  129A8  27× IV: 4p/1u; III: 20p/4u	PC25 o0981055 ZATU514	1 129A8	1 129A8		1 129A8	1 129A8	

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SAR~b 129A9 5x III: 5p	PC25 o0981056 ZATU445	129A9					
SAR~c 129AA 4x III: 2p/2u	PC25 o0981057 ZATU445	129AA					
SAR~d 129AB 1x III: 1p	PC25 o0981058 ZATU445	129AB					129AB
SI 129AC 389x IV: 24p/9u; III: 227p/129u	PC25 o0981059 ZATU447	1 F216D 129AC	129AC	F216D	F216D	F216D	F216D
SI×AN  129AD 1x III: 1p	PC25 o0981060	129AD					129AD
SI×EN~a  129AE 1x III: 1p	PC25 o0981061	129AE					129AE
SI×GU₄  129AF 1x III: 1p	PC25 o0981062 ZATU448	129AF					
SI×KU~b₁  129B0 17x III: 17p	PC25 o0981063	129B0					129B0
SI×SAL  129B1 1x III: 1p	PC25 o0981064	129B1					129B1
SI×ŠE₃  129B2 4x III: 3p/1u	PC25 o0981065 ZATU449	129B2		129B2			
SI×TUN₃~a  129B3 1x III: 1p	PC25 o0981066	129B3					129B3
SI×1(N58)  129B4 1x III: 1p	PC25 o0981067	129B4					129B4
SI₄~a 129B5 75x IV: 20p/5u; III: 45p/11u	PC25 o0981068 ZATU450	129B5		129B5	129B5		
SI₄~b 129B6 1x IV: 1p; III: 1p	PC25 o0981069 ZATU450	129B6			129B6		
SI₄~c 129B7 1x IV: 1p; III: 1p	PC25 o0981070 ZATU450	129B7			129B7		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>SI<sub>4</sub>-d</b> 129B8	PC25 	129B8 	129B8 	129B8 	129B8 	F216E 	
4x IV: 1p; III: 4p	o0981071 ZATU450	1 F216E					
<b>SI<sub>4</sub>-f</b> 129B9	PC25 	129B9 	129B9 		129B9 	F216F 	129B9 
73x III: 57p/16u	o0981072 ZATU450	1 F216F					
<b>SIG</b> 129BA	PC25 	129BA 	129BA 	129BA 	129BA 	129BA 	
92x IV: 7p; III: 56p/31u	o0981073 ZATU451						
<b>SIG~b</b>	UNP o0981074 ZATU451	F2532 					
<b>SIG@g</b>	UNP o0981075	F246C 					
<b>SIG<sub>2</sub>~a1</b> 129BB	PC25 	129BB 	129BB 				
AKA: SIG <sub>2</sub> ~a 26x IV: 1u; III: 14p/10u	o0981076 ZATU452						
<b>SIG<sub>2</sub>~a2</b> 129BC	PC25 	129BC 	129BC 	F2170 	129BC 	F2170 	
23x IV: 3p/3u; III: 17p/2u	o0981077 ZATU452	1 F2170					
<b>SIG<sub>2</sub>~a3</b> 129BD	PC25 	129BD 	129BD 	129BD 	129BD 	F2171 	
21x IV: 6p/1u; III: 16p/3u	o0981078 ZATU452	1 F2171 2 F2172 					
<b>SIG<sub>2</sub>~a4</b> 129BE	PC25 o0981079 ZATU452	129BE 	129BE 				
2x IV: 1p; III: 1p							
<b>SIG<sub>2</sub>-b</b> 129BF	PC25 o0981080 ZATU452	129BF 	129BF 	129BF 	129BF 	129BF 	129BF 
158x IV: 17p/16u; III: 80p/51u							
<b> SIG<sub>2</sub>-b×1(N14) </b>	UNP o0981081 ZATU453	F246D 	129B0 				
3x IV: 3u							
<b> SIG<sub>2</sub>-b&amp;SIG<sub>2</sub>-b </b> 129C0	PC25 o0981082	129C0 	129C0 				
AKA:  SIG <sub>2</sub> -b.SIG <sub>2</sub> -b  CDLI:  SIG <sub>2</sub> -b.SIG <sub>2</sub> -b  2x III: 2p							
<b>SIG<sub>2</sub>-c1</b> 129C1	PC25 o0981083 ZATU452	129C1 	129C1 	129C1 	129C1 	129C1 	
2x IV: 1p; III: 1p							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SIG <sub>2</sub> ~c2 129C2 1x III: 1p	PC25 o0981084 ZATU452	129C2	129C2				
SIG <sub>2</sub> ~d1 129C3 10x III: 10p	PC25 o0981085 ZATU452	129C3	129C3				
SIG <sub>2</sub> ~d2 129C4 4x IV: 2p; III: 1p	PC25 o0981086 ZATU452	129C4 <sup>1</sup> F2173	129C4 <sup>1</sup> F2173				
SIG <sub>2</sub> ~d3 129C5 2x IV: 2p	PC25 o0981087 ZATU452	129C5	129C5		129C5		
SIG <sub>2</sub> ~d4 129C6 4x IV: 4p; III: 2p	PC25 o0981088 ZATU452	129C6	129C6		129C6		
SIG <sub>2</sub> ~e 129C7 10x IV: 4p/2u; III: 3p/2u	PC25 o0981089 ZATU452	129C7	129C7		129C7		
SIG <sub>4</sub> 129C8 1x IV: 1p	PC25 o0981090 ZATU454	129C8	129C8	129C8			
SIG <sub>7</sub> 129C9 102x IV: 14p/1u; III: 68p/23u	PC25 o0981091 ZATU455	129C9 <sup>1</sup> F2174	129C9 <sup>1</sup> F2174	129C9 <sup>1</sup> F2174	129C9 <sup>1</sup> F2174	F2174	F2174
SIKIL o0981092	EDI	F225D	F225D				
SILA <sub>3</sub> ~a 129CA 52x IV: 5p/3u; III: 21p/24u	PC25 o0981093 ZATU456	129CA	129CA	129CA	129CA		
SILA <sub>3</sub> ~a×A  129CB 1x III: 1p	PC25 o0981094 ZATU457	129CB	129CB	129CB			
SILA <sub>3</sub> ~a×AMAR  129CC 1x IV: 1p	PC25 o0981095	129CC	129CC				
SILA <sub>3</sub> ~a×DUG~a  129CD 8x III: 4p/4u	PC25 o0981096 ZATU458	129CD <sup>1</sup> F2175	129CD <sup>1</sup> F2175				
SILA <sub>3</sub> ~a×DUG~b  o0981097	EDI	F250E	F250E				
SILA <sub>3</sub> ~a×GA~a  129CE 8x III: 5p/3u	PC25 o0981098 ZATU459	129CE	129CE				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SILA <sub>3</sub> ~a×GARA <sub>2</sub> ~a  129CF  AKA:  SILA <sub>3</sub> ~a+GARA <sub>2</sub> ~a  18x III: 14p/4u o0981099 ZATU461	PC25 	129CF 	129CF 				
SILA <sub>3</sub> ~a×GEŠTU~a  129D0  1x III: 1p o0981100 ZATU462	PC25 	129D0 	129D0 				
SILA <sub>3</sub> ~a×GEŠTU~c3  129D1  7x IV: 5p/2u; III: 1p o0981101 ZATU462	PC25 	129D1 					
SILA <sub>3</sub> ~a×GEŠTU~c5   1x III: 1u o0981102 ZATU462 ZATU469	UNP F246E 						
SILA <sub>3</sub> ~a×HAŠHUR  129D2  5x IV: 1p; III: 3p/1u o0981103 ZATU463	PC25 	129D2 				129D2 	
SILA <sub>3</sub> ~a×HI  129D3  7x IV: 1p; III: 6p/1u o0981104 ZATU464	PC25 	129D3 	129D3 				
SILA <sub>3</sub> ~a×HI@g~a   2x IV: 2u o0981105 ZATU465	UNP F246F 						
SILA <sub>3</sub> ~a×IB~a  129D4  1x IV: 1p; III: 1p o0981106 ZATU466	PC25 	129D4 					
SILA <sub>3</sub> ~a×KAŠ~a  129D5  AKA:  SILA <sub>3</sub> ~a+KAŠ~a  5x IV: 1u; III: 4p o0981107 ZATU467	PC25 	129D5 					
SILA <sub>3</sub> ~a×KAŠ~c  129D6  2x III: 2p o0981108 ZATU467	PC25 	129D6 					
SILA <sub>3</sub> ~a×KAŠ~d  129D7  2x III: 1p/1u o0981109 ZATU467	PC25 	129D7 					
SILA <sub>3</sub> ~a×KU <sub>6</sub> ~a  129D8  9x III: 6p/3u o0981110	PC25 	129D8 				129D8 	
SILA <sub>3</sub> ~a×KUR~a  129D9  4x IV: 1p/2u; III: 1p/1u o0981111 ZATU468	PC25 	129D9 					
SILA <sub>3</sub> ~a×MA  129DA  4x III: 3p/1u o0981112 ZATU473	PC25 	129DA 					129DA 
SILA <sub>3</sub> ~a×MAŠ  129DB  3x IV: 3p; III: 3p o0981113 ZATU470	PC25 	129DB 					
SILA <sub>3</sub> ~a×MUD <sub>3</sub> ~b  129DC  AKA:  SILA <sub>3</sub> ~a+MUD <sub>3</sub> ~b  1x III: 1p o0981114	PC25 	129DC 					129DC 

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SILA <sub>3</sub> -a×NAGA-a  129DD 2× III: 2p	PC25 o0981115 ZATU471	PC25 129DD	129DD	129DD			
SILA <sub>3</sub> -a×NI-a  129DE 10× IV: 2u; III: 7p/1u	PC25 o0981116 ZATU460 ZATU472	PC25 129DE	129DE			129DE	
SILA <sub>3</sub> -a×NUN-b  129DF 2× IV: 1p; III: 1p	PC25 o0981117 ZATU614	PC25 129DF	129DF	129DF			
SILA <sub>3</sub> -a×SUHUR  129E0 2× IV: 2p; III: 2p	PC25 o0981118	PC25 129E0	129E0		129E0		
SILA <sub>3</sub> -a×SUM-a  129E1 3× IV: 3p; III: 1p	PC25 o0981119 ZATU474	PC25 129E1	129E1				
SILA <sub>3</sub> -a×SUM-b  129E2 1× III: 1p	PC25 o0981120 ZATU474	PC25 129E2	129E2			129E2	
SILA <sub>3</sub> -a×ŠE-a  129E3 1× IV: 1p	PC25 o0981121 ZATU475	PC25 129E3	129E3				
SILA <sub>3</sub> -a×ŠE-a@t  129E4 18× IV: 5p; III: 8p/7u	PC25 o0981122	PC25 129E4	129E4		129E4		
SILA <sub>3</sub> -a×ŠU  129E5 17× IV: 2p/1u; III: 4p/10u	PC25 o0981123 ZATU476	PC25 129E5	129E5	129E5			
SILA <sub>3</sub> -a×ŠU <sub>2</sub>   129E6 11× III: 8p/3u	PC25 o0981124 ZATU477	PC25 129E6	129E6			129E6	129E6
SILA <sub>3</sub> -a×X  17× IV: 7p/5u; III: 10p/2u	PC25-bk o0981125	PC25-bk F2470	F2470		F2470		
SILA <sub>3</sub> -a×ZATU629  129E7 1× III: 1p	PC25 o0981126	PC25 129E7	129E7	129E7			
SILA <sub>3</sub> -a×ZATU646  129E8 1× III: 1p	PC25 o0981127	PC25 129E8	129E8	129E8			
SILA <sub>3</sub> -a×(ZATU659.TU-c)  129E9 1× IV: 1p; III: 1p	PC25 o0981128 ZATU478	PC25 129E9	129E9	129E9			
SILA <sub>3</sub> -a×1(N57)  129EA 2× III: 2p	PC25 o0981129 ZATU481	PC25 129EA	129EA	129EA			
SILA <sub>3</sub> -a×1(N58)  1× IV: 1u	UNP o0981130 ZATU481	UNP F2471	F2471				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SILA <sub>3</sub> ~b 129EB 5x III: 5p	PC25 o0981131 ZATU456	129EB	129EB	129EB		129EB	
SILA <sub>3</sub> ~b×DUG~a	EDI o0981132	F250F					
SILA <sub>3</sub> ~b×GUG <sub>2</sub>   129EC 1x III: 1p	PC25 o0981133	129EC					
SILA <sub>3</sub> ~b×NAGA~b  129ED 1x IV: 1p; III: 1p	PC25 o0981134 ZATU471	129ED			129ED		
SILA <sub>3</sub> ~b×NI~a  129EE 1x III: 1p	PC25 o0981135 ZATU460	129EE					
SILA <sub>3</sub> ~b×NI~b  129EF 1x III: 1p	PC25 o0981136 ZATU460	129EF	129EF	129EF			
SILA <sub>3</sub> ~c 1x III: 1u	UNP o0981137 ZATU456	F2472					
SILA <sub>3</sub> ~c×ŠU  1x IV: 1u	UNP o0981138 ZATU476	F2473					
SILA <sub>3</sub> ~c×ZATU687  129F0 1x III: 1p	PC25 o0981139 ZATU480	129F0	129F0	129F0			
SILA <sub>3</sub> ~d×NI~a  2x III: 2u	UNP o0981140 ZATU460	F2474					
SILA <sub>4</sub> ~a 129F1 17x III: 10p/7u	PC25 o0981141 ZATU482	129F1	129F1	129F1			
SILA <sub>4</sub> ~b 129F2 31x IV: 6p/1u; III: 20p/8u	PC25 o0981142 ZATU482	129F2	129F2	129F2			
SILA <sub>4</sub> ~c 129F3 83x IV: 8p/1u; III: 45p/35u	PC25 o0981143 ZATU482	129F3 1 F2176			129F3		
SILA <sub>4</sub> ~d 129F4 1x III: 1p	PC25 o0981144 ZATU482	129F4		129F4			
SILANITA 129F5 AKA: SILANITA~a 26x III: 20p/6u	PC25 o0981145 ZATU483	129F5					
SIMUG 129F6 13x IV: 1p; III: 10p/3u	PC25 o0981146 ZATU484	129F6 1 F2177		F2177	129F6 F2177		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SIPA	PC25-sq	F2178 F2179	F2179	F2179			
6x III: 6p o0981147							
SU~a 129F7	PC25	1 F217A 129F7	F217A	F217A	F217A 129F7	F217A	F217A
278x IV: 20p/5u; III: 168p/97u o0981148 ZATU485							
SU~a×1(N58)  129F8	PC25	129F8	129F8	129F8			
2x III: 2p o0981149 ZATU486							
SU~b 129F9	PC25	129F9	129F9		129F9		
3x IV: 3p; III: 3p o0981150 ZATU485							
SU~c 129FA	PC25	129FA					129FA
1x III: 1p o0981151 ZATU485							
SU <sub>3</sub> 129FB	PC25	129FB	129FB	129FB			
6x III: 5p/1u o0981152 ZATU487							
SUG 129FC	PC25	129FC	129FC	129FC			
11x IV: 3p; III: 6p/3u o0981153 ZATU488							
SUG <sub>5</sub> 129FD	PC25	129FD	129FD	129FD	129FD	129FD	129FD
AKA: SUG <sub>5</sub> ~a 89x IV: 2p/1u; III: 63p/22u o0981154 ZATU489							
SUH <sub>3</sub> 129FE	PC25	129FE	129FE	129FE			
4x III: 3p/1u o0981155 ZATU490							
SUHUR 129FF	PC25	129FF 1 F217B 2 F217C 3 F217D	129FF	129FF	129FF	129FF	F217D
AKA: SUHUR~a 310x IV: 37p/11u; III: 234p/52u o0981156 ZATU491							
SUHUR@g 12A00	PC25	12A00	12A00	12A00			
4x III: 3p/1u o0981157							
SUHUR@n 12A01	PC25	12A01	12A01				
CDLI:  SUHUR@n  5x III: 1p/4u o0981158							
SUHUR@t 12A02	PC25	12A02	12A02				12A02
6x III: 6p o0981159							

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SUKKAL 12A03		PC25	12A03 		12A03	12A03	12A03	
155x IV: 19p/7u; III: 106p/34u	o0981160	ZATU492	1 F217E		F217E			
SUKUD 12A04		PC25	12A04		12A04		12A04	
14x IV: 6p; III: 9p/2u	o0981161	ZATU493			(a)			
(SUKUD+SUKUD)~a  12A05		PC25	12A05		12A05			
5x IV: 1u; III: 4p	o0981162	ZATU494						
(SUKUD+SUKUD)~b  12A06		PC25	12A06		12A06		12A06	
13x IV: 1p; III: 11p/1u	o0981163	ZATU494						
(SUKUD+SUKUD)~c  o0981164		EDI	F2510		(o) F2510			
(SUKUD+SUKUD)~d  3x III: 3u	o0981165	ZATU494		F2475				
SUKUD@g~a 12A07		PC25	12A07 			F217F		
1x IV: 1p	o0981166	ZATU495	1 F217F					
SUKUD@g~b 12A08		PC25	12A08 		F2180	12A08		
2x IV: 1p; III: 1p	o0981167	ZATU495	1 F2180					
SUKUD@g~c 12A09		PC25	12A09			12A09		
2x IV: 1p; III: 1p/1u	o0981168	ZATU495						
SUKUD@g~d 12A0A		PC25	12A0A					
CDLI:  SUKUD@g~d  3x III: 1p/2u	o0981169	ZATU495						
SUKUD@h 1x III: 1u	o0981170	UNP	F251C					
SUM~a 12A0B		PC25	1 F2181 		F2182		F2182	
29x IV: 1p; III: 24p/5u	o0981171	ZATU496	2 F2182					
SUM~a@t CDLI:  SUM~a@t  1x III: 1u	o0981172	UNP	F2476					
SUM~b 12A0C		PC25	12A0C		12A0C		12A0C	
19x IV: 4p; III: 11p/4u	o0981173	ZATU496						
SUMAŠ 12A0D		PC25	12A0D		12A0D	12A0D		
2x IV: 1p; III: 2p	o0981174	ZATU497						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SUR 12A0E 9x IV: 1p; III: 6p/2u o0981175 ZATU498	PC25 	12A0E 	12A0E 		12A0E 		
SUSA 1x III: 1p o0981176 ZATU499	PC25-sq 	F2250 	F2250 				
ŠA 12A0F 139x IV: 6p/2u; III: 103p/33u o0981177 ZATU500	PC25 1 F2183 2 F2184 3 F2185 	1 F2183 2 F2184 3 F2185 	12A0F 		F2183 F2184 	12A0F 	12A0F 
(ŠA×HI@g~a)~a  12A10 15x IV: 1p; III: 7p/8u o0981178 ZATU501	PC25 	12A10 	12A10 	12A10 	12A10 		
(ŠA×HI@g~a)~b  12A11 4x IV: 1p; III: 4p o0981179 ZATU501	PC25 	12A11 			12A11 	(b) 12A11 	
ŠA@g 12A12 20x IV: 1p; III: 14p/5u o0981180 ZATU502	PC25 12A12 	12A12 	12A12 		12A12 		
ŠA <sub>3</sub> -a1 12A13 112x IV: 5p; III: 58p/49u o0981181 ZATU503	PC25 12A13 1 F2186 	12A13 	F2186 	12A13 	F2186 	12A13 	
ŠA <sub>3</sub> -a2 12A14 AKA: ŠA <sub>3</sub> -b1 32x IV: 1p/1u; III: 21p/5u o0981182 ZATU503	PC25 12A14 1 F2187 	12A14 	F2187 		F2187 	12A14 	
ŠA <sub>3</sub> -a2@g 12A15 1x III: 1p o0981183	PC25 12A15 	12A15 					12A15 
ŠA <sub>3</sub> -b 12A16 3x IV: 2p; III: 2p o0981184 ZATU503	PC25 12A16 	12A16 			12A16 	(b) 12A16 	
ŠA <sub>3</sub> -c 12A17 9x IV: 6p/1u; III: 7p o0981185 ZATU503	PC25 12A17 	12A17 			12A17 		
ŠA <sub>3</sub> -d 12A18 1x IV: 1p o0981186 ZATU503	PC25 12A18 	12A18 					
ŠAB~a 79x IV: 5p/1u; III: 66p/10u o0981187 ZATU504	PC25-sq 1 F2189 2 F2188 3 F218A 	1 F2189 2 F2188 3 F218A 	F218A 		F2189 	F218A 	

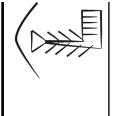
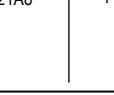
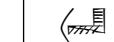
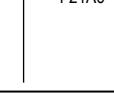
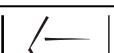
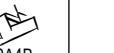
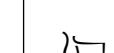
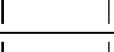
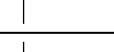
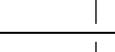
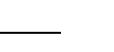
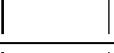
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ŠAB~b 9x III: 9p o0981188 ZATU504	PC25-sq ZATU504	1 F218C F218B					
ŠAGAN 12A19 73x IV: 5p/1u; III: 60p/10u o0981189 ZATU506	PC25 ZATU506	1 F218D 12A19	12A19	F218D	12A19		
ŠAGINA 12A1A 1x IV: 1p o0981190 ZATU507	PC25 ZATU507	12A1A	12A1A				
ŠAH₂~a 12A1B 27x IV: 4p; III: 23p/3u o0981191 ZATU508	PC25 ZATU508	12A1B		12A1B	12A1B		
ŠAH₂~b 12A1C 1x III: 1p o0981192 ZATU508	PC25 ZATU508	12A1C					
ŠAH₂~c 12A1D 1x IV: 1p o0981193 ZATU508	PC25 ZATU508	12A1D	12A1D		12A1D		
ŠAKIR~a 12A1E 3x III: 3p o0981194 ZATU509	PC25 ZATU509	12A1E	12A1E	12A1E		12A1E	
ŠAKIR~b 12A1F 8x III: 7p/1u o0981195 ZATU509	PC25 ZATU509	12A1F	12A1F				
ŠAKIR~c 12A20 47x III: 32p/15u o0981196 ZATU509	PC25 ZATU509	12A20 1 F218E	12A20	F218E		12A20	
ŠAM₂ 12A21 66x IV: 3p/2u; III: 57p/8u o0981197 ZATU510	PC25 ZATU510	12A21 1 F218F	12A21	F218F	12A21	F218F	12A21
ŠANDANA~a 2x III: 2p o0981198	PC25-sq ZATU510	F223B	F223B				
ŠANDANA~b 1x III: 1u o0981199	UNP ZATU511	F223A	F223A				
ŠE~a 12A22 1204x IV: 87p/6u; III: 889p/232u o0981200 ZATU511	PC25 ZATU511	12A22		12A22	12A22	12A22	12A22
ŠE~a.GAR  2x III: 2p o0981201	PC25-sq ZATU511	F2228 1 F2229					F2228 1 F2229

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ŠE~a.KIN <sub>2~c</sub>   5x III: 5p o0981202 ZATU512	PC25-sq	  	 				
ŠE~a.NAM <sub>2</sub>   AKA:  ŠE~a×NAM <sub>2</sub>    ŠE~a×NAM <sub>2</sub>   109x IV: 10p; III: 64p/39u o0981203 ZATU513	PC25-sq	  	 	 	 	 	 
ŠE~a&ŠE~a  12A23 29x IV: 1p; III: 24p/4u o0981204 ZATU515	PC25	 	 			 	 
ŠE~a@t 12A24 14x IV: 2p; III: 9p/5u o0981205	PC25	  	 	 	 		
ŠE~b 12A25 6x IV: 1p; III: 5p o0981206 ZATU511	PC25	 	 	 	 		
ŠE~c 12A26 2x IV: 1p/1u o0981207 ZATU511	PC25	 	 				
ŠE <sub>3</sub> 12A27 175x IV: 13p/10u; III: 112p/48u o0981208 ZATU516	PC25	  	 	 	 	 	 
ŠE <sub>3</sub> @t 12A28 11x IV: 1p/1u; III: 8p/2u o0981209 ZATU518	PC25	   	 	 	 		
SEG <sub>9</sub> 12A29 31x IV: 8p; III: 27p/3u o0981210 ZATU519	PC25	  	 	 	 		
ŠELU 32x IV: 25p; III: 6p/1u o0981211 ZATU520	PC25-sq	 	 	 			
ŠEN~a 12A2A 19x IV: 1u; III: 14p/4u o0981212 ZATU521	PC25	  	 	 	 	 	 
ŠEN~b 12A2B 52x IV: 1p; III: 49p/2u o0981213 ZATU521	PC25	  	 	 	 		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ŠEN~c 12A2C	PC25 	12A2C  1 		F219B			
2x III: 1p	o0981214 ZATU521						
ŠEN~c@t 12A2D	PC25 	12A2D 					
28x III: 28p	o0981215						
ŠEN~d	ZERO						
		1  2  2 					
	o0981216 ZATU521						
ŠEN~dxA  12A2E	PC25 	12A2E 					
1x III: 1p	o0981217						
ŠEN~e 12A2F	PC25 	12A2F 				12A2F 	
6x III: 6p	o0981218 ZATU521						
ŠENNUR~a 12A30	PC25 	12A30 		12A30 			
10x III: 9p/1u	o0981219 ZATU522						
ŠENNUR~b 12A31	PC25 	12A31 					
2x III: 1p/1u	o0981220 ZATU522						
ŠEŠ~a 12A32	PC25 	12A32  1 			12A32  F219F 		F219F 
25x IV: 11p/3u; III: 10p/4u	o0981221 ZATU523						
ŠEŠ~b 12A33	PC25 	12A33 			12A33 		
1x IV: 1p; III: 1p	o0981222 ZATU523						
ŠIDIM 12A34	PC25 	12A34 		12A34 		12A34 	12A34 
36x IV: 6p/3u; III: 23p/5u	o0981223 ZATU524						
ŠIDIM@t	UNP						
1x IV: 1u	o0981224		F2477 				
ŠIM~a 12A35	PC25 	1  12A35 2 		F21A0  12A35 F21A1  12A35		12A35 	12A35 
56x IV: 2p/2u; III: 50p/3u	o0981225 ZATU525						
ŠIM~b 12A36	PC25 	12A36 			12A36 		
3x IV: 1p/1u; III: 1p/1u	o0981226 ZATU525						
ŠIR~a 12A37	PC25 	1  12A37 2 		12A37  F21A2 12A37 F21A2		12A37 	F21A2 
16x IV: 2p/4u; III: 11p/1u	o0981227 ZATU526						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ŠIR~b 12A38		PC25 1 F21A3 2 F21A4 12A38	  		 F21A3 F21A4 12A38		
7× IV: 4p; III: 3p/2u o0981228	ZATU526						
ŠITA~a1 12A39		PC25	 12A39		 12A39	 12A39	 12A39
AKA: ŠITA~a 346x IV: 38p/10u; III: 243p/76u	o0981229	ZATU527					
ŠITA~a1×KAK~a  12A3A		PC25 2× III: 2p o0981230	 12A3A		 12A3A		
	ZATU529						
ŠITA~a1×ŠU  12A3B		PC25 2× III: 2p o0981231	 12A3B		 12A3B		
ZATU528							
ŠITA~a1×ŠU₂  12A3C		UNP 1× III: 1u o0981232	 F2478				
	ZATU527						
ŠITA~a1×UDU~a  12A3D		UNP 5× III: 5u o0981233	 F2479				
	ZATU527						
ŠITA~a1×(N06)  12A3E		UNP 3× III: 3u o0981234	 F247A				
	ZATU527						
ŠITA~a2 12A3F		PC25 1× III: 1p o0981235	 12A3C				
ZATU527							
ŠITA~a3 12A3G		PC25 29× IV: 10p; III: 20p/4u o0981236	 12A3D		 12A3D	 12A3D	 12A3D
ZATU527							
ŠITA~b1 12A3H		PC25 26× IV: 7p/4u; III: 16p/2u o0981237	 12A3E		 12A3E	 12A3E	
ZATU527							
ŠITA~b2 12A3I		PC25 6× IV: 1p; III: 4p/2u o0981238	 12A3F				
ZATU527							
ŠITA~b2@g×HI@g~a  12A40		PC25 AKA:  ŠITA~b1×HI@g~a  CDLI:  ŠITA~b1×HI@g~a  1× IV: 1p; III: 1p o0981239	 12A40			 (b1) 12A40	
ŠITA~b3 12A41		PC25 6× IV: 3p; III: 5p o0981240	 12A41		 12A41	 12A41	
ZATU527							
ŠITA~b3×NAM₂  12A42		PC25 1× IV: 1p; III: 1p o0981241	 12A42				
ŠITA~c	EDI o0981242		 F24EB				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ŠITA@g~a 12A43  24x IV: 6p/1u; III: 16p/4u	PC25  o0981243 ZATU530	PC25 12A43  1 F21A5	12A43  F21A5		F21A5	F21A5	
ŠITA@g~a×1(N04)   1x III: 1u	UNP  o0981244 ZATU531	UNP F247B	F247B				
ŠITA@g~a×1(N06)  12A44  4x III: 3p/1u	PC25  o0981245	PC25 12A44	12A44			12A44	
ŠITA@g~b 12A45  4x III: 3p/1u	PC25  o0981246 ZATU530	PC25 12A45	12A45				
ŠU 12A46  610x IV: 46p/8u; III: 378p/169u	PC25  o0981247 ZATU532	PC25 12A46	12A46	12A46	12A46	12A46	
ŠU×1(N58)  12A47  1x III: 1p	PC25  o0981248	PC25 12A47	12A47				
ŠU&ŠU  12A48  22x IV: 1p; III: 20p/2u	PC25  o0981249	PC25 12A48	12A48			12A48	12A48
ŠU@g 12A49  4x III: 4p	PC25  o0981250 ZATU533	PC25 12A49	12A49	12A49	12A49	12A49	
ŠU@s  o0981251	EDI	EDI F24EC	F24EC				
ŠU <sub>2</sub> 12A4A  385x IV: 65p/40u; III: 253p/46u	PC25  o0981252 ZATU534	PC25 1 F21A9 2 12A4A 3 F21AA 4 F21AB 5 F21AC F21AD	12A4A	F21AC	F21A9 F21AD	F21AD	
ŠU <sub>2</sub> .AN  AKA:  ŠU <sub>2</sub> +AN   ŠU <sub>2</sub> .AN   ŠU <sub>2</sub> ×AN  4x III: 2u	UNP  o0981253	UNP  ŠU <sub>2</sub> .AN  o0981253	12A4A	F21AC			
ŠU <sub>2</sub> .E~a   9x III: 8p/1u	PC25-sq  o0981254 ZATU535	PC25-sq F2267	F2267		F2267		
ŠU <sub>2</sub> .E~b   13x III: 10p/3u	PC25-sq  o0981255 ZATU535	PC25-sq F2268	F2268				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ŠU₂.EN~a  40x IV: 9p/3u; III: 27p/4u o0981256 ZATU536	PC25-sq	1 F21A7 F21A6 2 F21A8	 	 	 		
ŠU₂.EN~b  2x IV: 2u o0981257 ZATU536	UNP						
ŠU₂.GIŠ  o0981258	ZERO						
ŠU₂,(HI×1(N57))&(HI×1(N57))  AKA:  ŠU₂,((HI+1(N57))+(HI+1(N57)))  CDLI:  ŠU₂,((HI+1(N57))+(HI+1(N57)))  1x III: 1p o0981259	PC25-sq						
ŠU₂.PAP~a  1x III: 1p o0981260	PC25-sq						
ŠU₂.URI₃~a  1x III: 1p o0981261	PC25-sq						
ŠU₂.1(N02)  2x IV: 1u; III: 1p/1u o0981262	UNP						
ŠU₂.1(N24)  AKA:  ŠU₂×1(N24)  1x III: 1p o0981263	PC25-sq						
ŠU₂.2(N57)  o0981264	EDI						
ŠU₂×3(N57)  AKA:  ŠU₂×3(N57)  1x o0981265	UNP						
ŠU₁₂ 12A4B 1x III: 1p o0981266 ZATU538	PC25						
ŠUBUR 12A4C 345x IV: 41p/7u; III: 223p/98u o0981267 ZATU539	PC25	 1 F21AE					
ŠUM 12A4D 35x IV: 14p; III: 23p/4u o0981268 ZATU541	PC25						
ŠUR₂×1(N58)  12A4E 4x III: 4p o0981269	PC25						
ŠUR₂~a 12A4F 14x III: 8p/6u o0981270 ZATU543	PC25						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ŠUR₂~b 12A50 13x III: 7p/6u	PC25 o0981271 ZATU543						
ŠUR₂~c 2x	UNP o0981272 ZATU543						
ŠURUPPAK~a 48x IV: 3u; III: 37p/10u	PC25-sq o0981273 ZATU544						
ŠURUPPAK~b 10x IV: 1u; III: 8p/2u	PC25-sq o0981274 ZATU544						
ŠURUPPAK~c o0981275	EDI						
TA~a 12A51 5x IV: 1u; III: 4p	PC25 o0981276 ZATU545						
TA~b 12A52 1x III: 1p	PC25 o0981277 ZATU545						
TA~c 12A53 23x IV: 2p/2u; III: 16p/3u	PC25 o0981278 ZATU545						
TA~d 12A54 2x III: 1p/1u	PC25 o0981279 ZATU545						
TA~d×MAŠ  1x III: 1u	UNP o0981280						
TA~e 12A55 1x III: 1p	PC25 o0981281 ZATU545						
TA~f o0981282	EDI						
TAG~a1 12A56 25x IV: 16p; III: 8p/2u	PC25 o0981283 ZATU547						
TAG~a1@t 12A57 1x IV: 1p	PC25 o0981284						
TAG~a2 12A58 9x III: 7p/2u	PC25 o0981285 ZATU547						
TAG~a3 12A59 2x III: 2p	PC25 o0981286 ZATU547						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
TAG~a4 12A5A 2x IV: 1p; III: 2p	PC25 o0981287 ZATU547						
TAG~b 12A5B 14x IV: 2p/1u; III: 13p	PC25 o0981288 ZATU547						
TAG~c 12A5C 1x III: 1p	PC25 o0981289 ZATU547						
TAG~d 12A5D 3x III: 2p/1u	PC25 o0981290 ZATU547						
TAK <sub>4</sub> ~a 12A5E 188x IV: 6p/3u; III: 123p/58u	PC25 o0981291 ZATU548						
TAK <sub>4</sub> ~a@n 12A5F 1x III: 1p	PC25 o0981292						
TAK <sub>4</sub> ~c 12A60 3x III: 2p/1u	PC25 o0981293 ZATU548						
TAR~a 12A61 100x IV: 5p; III: 80p/16u	PC25 o0981294 ZATU549						
TAR~d	EDI o0981295						
TE 12A62 AKA: TE~a 350x IV: 63p/5u; III: 239p/86u	PC25 o0981296 ZATU550						
TI 12A63 AKA: TI~a 103x IV: 9p/8u; III: 62p/34u	PC25 o0981297 ZATU551						
TI@g 12A64 1x III: 1p	PC25 o0981298						
TI@r 12A65 2x III: 2p	PC25 o0981299						
TI@t 12A66 17x IV: 1p; III: 13p/4u	PC25 o0981300						
TIDNUM 1x III: 1p	PC25-sq o0981301 ZATU552						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
TILLA <sub>2</sub> 12A67	PC25 	 12A67	 12A67				
6× IV: 1p; III: 5p/1u o0981302	ZATU553						
TU~a 12A68	PC25 	 12A68	 12A68	 12A68			
27× IV: 4p; III: 16p/7u o0981303	ZATU554						
TU~b 12A69	PC25 	 12A69	 12A69	 12A69	 12A69	 12A69	
29× IV: 1u; III: 26p/2u o0981304	ZATU554						
TU~c 12A6A	PC25 	 12A6A	 12A6A				
1× IV: 1p o0981305	ZATU554						
TUG <sub>2</sub> ~a 12A6B	PC25 	 12A6B	 1 F21B6	 F21B6	 12A6B	 F21B7	 12A6B
365× IV: 31p/26u; III: 194p/124u o0981306	ZATU555	 2 F21B7					
TUG <sub>2</sub> ~a.BAD&BAD	PC25-sq 	 F21B8	 F21B9				
CDLI:  TUG <sub>2</sub> ~a.(BAD&BAD)							
35× IV: 1p/2u; III: 23p/10u o0981307	ZATU556 ZATU558	1					
TUG <sub>2</sub> ~a@g 12A6C	PC25 	 1 F21BA	 12A6C				
19× IV: 2u; III: 17p o0981308	ZATU557	 12A6C					
TUG <sub>2</sub> ~b 12A6D	PC25 	 12A6D	 12A6D				
2× IV: 1p; III: 2p o0981309	ZATU555						
TUG <sub>2</sub> ~c 12A6E	PC25 	 12A6E	 12A6E				
1× III: 1p o0981310	ZATU555						
TUG <sub>2</sub> ~d	UNP 	 F247D	 F247D				
1× IV: 1u o0981311	ZATU555						
TUM~a 12A6F	PC25 	 12A6F	 12A6F	 12A6F	 12A6F	 12A6F	
34× IV: 9p/2u; III: 17p/10u o0981312	ZATU560						
TUM~a@g 12A70	PC25 	 12A70	 12A70				
2× IV: 1p; III: 1u o0981313							
TUM~b 12A71	PC25 	 12A71	 12A71				
6× IV: 2p; III: 4p/2u o0981314	ZATU560						
TUM~c 12A72	PC25 	 1 F21BB	 F21BB		 12A72	 F21BB	
13× IV: 1p; III: 12p o0981315	ZATU560						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
TUM~d 12A73 3x IV: 1p; III: 3p	PC25 o0981316 ZATU560	12A73	12A73	12A73			
TUN <sub>3</sub> ~a 12A74 108x IV: 35p/2u; III: 53p/19u	PC25 o0981317 ZATU561	12A74	12A74	12A74	12A74	12A74	12A74
TUN <sub>3</sub> ~b 12A75 3x III: 3p	PC25 o0981318 ZATU561	12A75	12A75	12A75			
TUN <sub>3</sub> ~c 12A76 4x IV: 1p; III: 2p/1u	PC25 o0981319 ZATU561	12A76	12A76				
TUR 12A77 381x IV: 31p/6u; III: 243p/101u	PC25 o0981320 ZATU562	12A77	F21BD F21BE F21BF 12A77	12A77	F21BD F21BE F21BF 12A77	12A77	12A77
TUR×X	EDI o0981321		F2511	F2511			
TUR@g 12A78 9x IV: 1p; III: 7p/2u	PC25 o0981322	12A78	12A78 1F21BC	12A78			F21BC
TUR <sub>3</sub> ~a 12A79 171x IV: 19p/4u; III: 126p/31u	PC25 o0981323 ZATU563	12A79	12A79	12A79	12A79	12A79	12A79
TUR <sub>3</sub> ~a.5(N57)  1x III: 1p	PC25-sq o0981324	12A79					
TUR <sub>3</sub> ~a@n CDLI:  TUR <sub>3</sub> ~a@n  1x	UNP o0981325		F247E	F247E			
TUR <sub>3</sub> ~b 12A7A 9x IV: 1p/2u; III: 7p	PC25 o0981326 ZATU563	12A7A	12A7A	12A7A			
TUR <sub>3</sub> ~b×TAK <sub>4</sub> ~a  o0981327	EDI	F2512	F2512				
TUR <sub>3</sub> ~c 12A7B 1x IV: 1p	PC25 o0981328 ZATU563	12A7B	12A7B				
U <sub>2</sub> ~a 12A7C 145x IV: 10p/1u; III: 103p/35u	PC25 o0981329 ZATU565	12A7C	12A7C	12A7C			12A7C

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>U<sub>2</sub>~b</b> 12A7D	PC25	F21C0 12A7D 2 F21C1	F21C0 12A7D 2 F21C1	12A7D	F21C0 12A7D F21C1	12A7D	F21C0
170x IV: 15p/2u; III: 102p/59u	o0981330 ZATU565						
<b>U<sub>2</sub>~c</b> 12A7E	PC25	12A7E	12A7E				
1x IV: 1p	o0981331 ZATU565						
<b>U<sub>4</sub></b> 12A7F	PC25	12A7F	12A7F	12A7F	12A7F	12A7F	12A7F
602x IV: 77p/13u; III: 435p/112u	o0981332 ZATU566						
U <sub>4</sub> .ŠU <sub>2</sub>	PC25-sq	F2275	F2275	F2275	F2275		
11x IV: 2p; III: 9p/2u	o0981333 ZATU568						
U <sub>4</sub> .1(N08)	PC25-sq	F2276	F2276			F2276	
48x III: 32p/16u	o0981334						
U <sub>4</sub> .2(N08)	PC25-sq	F2277	F2277			F2277	
12x IV: 1p; III: 11p	o0981335						
U <sub>4</sub> .3(N08)	PC25-sq	F2278	F2278			F2278	
10x III: 8p/2u	o0981336						
U <sub>4</sub> .4(N08)	PC25-sq	F2279	F2279			F2279	
2x III: 2p	o0981337						
U <sub>4</sub> .5(N08)	PC25-sq	F227A	F227A			F227A	
6x III: 5p/1u	o0981338						
U <sub>4</sub> .6(N08)	PC25-sq	F227B	F227B				
4x III: 4p	o0981339						
U <sub>4</sub> .7(N08)	PC25-sq	F227C	F227C				
2x III: 1p/1u	o0981340						
U <sub>4</sub> .8(N08)	PC25-sq	F227D	F227D				
1x III: 1p	o0981341						
U <sub>4</sub> .1(N14)	PC25-sq	F227E	F227E				
1x III: 1p	o0981342						
U <sub>4</sub> .1(N14).1(N08)	PC25-sq	12A7F					
AKA:  (U <sub>4</sub> .1(N14)).1(N08)							
1x III: 1p	o0981343						
U <sub>4</sub> .1(N14).3(N08)	PC25-sq	F227F	F227F				
CDLI:  U <sub>4</sub> .(1(N14).3(N08))							
2x III: 2p	o0981344						
U <sub>4</sub> .1(N14).4(N08)	PC25-sq	F2280	F2280			F2280	
CDLI:  U <sub>4</sub> .(1(N14).4(N08))							
1x III: 1p	o0981345						
U <sub>4</sub> .1(N14).5(N08)	PC25-sq	F2281	F2281			F2281	
CDLI:  U <sub>4</sub> .(1(N14).5(N08))							
4x III: 2p/2u	o0981346						
U <sub>4</sub> .1(N14).8(N08)	PC25-sq	F2282	F2282				
CDLI:  U <sub>4</sub> .(1(N14).8(N08))							
1x III: 1p	o0981347						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
U <sub>4</sub> -2(N14)  2x III: 2p	PC25-sq o0981348	F2283					
U <sub>4</sub> .1(N24)  3x III: 3p	PC25-sq o0981349	F2284					F2284
U <sub>4</sub> *X  2x III: 1p/1u	PC25-bk o0981350	F247F					
U <sub>4</sub> *X-(X+2(N01))  1x III: 1u	UNP o0981351	F2480					
U <sub>4</sub> *1(N01)  12A80 38x IV: 1p; III: 31p/7u	PC25 o0981352 ZATU569	12A80				12A80	
U <sub>4</sub> *1(N01).5(N08)  2x III: 1p/1u	PC25-sq o0981353	F2285				F2285	
U <sub>4</sub> *1(N01).1(N24))  12A81 AKA:  U <sub>4</sub> *1(N01)+1(N24)  2x III: 2p	PC25 o0981354	12A81					12A81
U <sub>4</sub> *2(N01)  14x III: 13p/1u	PC25-bk o0981355	F2481				F2481	F2481
U <sub>4</sub> *2(N01).X  1x III: 1p	PC25-sq o0981356	F2482					
U <sub>4</sub> *2(N01).2(N14)  1x III: 1p	PC25-sq o0981357	F2286					
U <sub>4</sub> *2(N01).2(N14).1(N08)  CDLI:  U <sub>4</sub> *2(N01).(2(N14).1(N08))  1x III: 1p	PC25-sq o0981358	F2287				F2287	
U <sub>4</sub> *3(N01)  12A82 5x III: 3p/2u	PC25 o0981359	12A82					12A82
U <sub>4</sub> *3(N01).3(N08)  1x III: 1u	UNP o0981360	F2288					
U <sub>4</sub> *4(N01)  12A83 7x III: 6p/1u	PC25 o0981361	12A83					
U <sub>4</sub> *4(N01).2(N14)  1x III: 1u	UNP o0981362	F2289					
U <sub>4</sub> *5(N01)  12A84 3x III: 2p/1u	PC25 o0981363	12A84					
U <sub>4</sub> *5(N01).1(N14)  1x III: 1p	PC25-sq o0981364	F228A					
U <sub>4</sub> *6(N01)  12A85 3x III: 1p/2u	PC25 o0981365	12A85					12A85

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
U <sub>4</sub> ×8(N01)  12A86	PC25 o0981366	12A86			12A86		
2× III: 2p							
U <sub>4</sub> ×8(N01).X	PC25-sq	F2483					
1× III: 1p	o0981367						
U <sub>4</sub> ×N(N01)  CDLI:  U <sub>4</sub> ×(X(N01))  1× III: 1u	UNP o0981368	F2484					
CDLI:  U <sub>4</sub> ×1(N01@F)  CDLI:  U <sub>4</sub> ×1(N01)F	EDI o0981369	F2513					
U <sub>4</sub> ×1(N14)  12A87	PC25 o0981370	12A87			12A87		
5× III: 1p/4u							
U <sub>4</sub> ×(1(N14).1(N01))  12A88	PC25 o0981371	12A88					12A88
1× III: 1p							
U <sub>4</sub> ×(1(N14).2(N01))  12A89	PC25 o0981372	12A89			12A89		
10× III: 10p							
U <sub>4</sub> ×(1(N14).3(N01))	UNP o0981373	F253C					
1× III: 1u							
U <sub>4</sub> ×(1(N14).3(N01)).1(N14).4(N08)  AKA:  U <sub>4</sub> ×(1(N14).3(N01)).(1(N14).4(N08))  1× III: 1u	UNP o0981374	F253C					
1× III: 1p	o0981375	12A8A					
1× III: 1p	o0981375	12A8A					
U <sub>4</sub> ×(1(N14).8(N01))  12A8B	PC25 o0981376	12A8B			12A8B		
2× III: 2p							
U <sub>4</sub> ×2(N14)	ZERO o0981377	F2485			F2485		
U <sub>4</sub> ×(2(N14).4(N01))  12A8C	PC25 o0981378	12A8C					12A8C
1× III: 1p							
U <sub>4</sub> ×(3(N14).2(N01))  12A8D	PC25 o0981379	12A8D			12A8D		
1× III: 1p							
U <sub>4</sub> ×(3(N14).7(N01))  12A8E	PC25 o0981380	12A8E					
1× III: 1p							
U <sub>4</sub> ×1(N57)  12A8F	PC25 o0981381	12A8F			12A8F	12A8F	12A8F
159× III: 132p/23u							
U <sub>4</sub> ×2(N57)  12A90	PC25 o0981382	12A90		12A90	12A90	12A90	
57× IV: 1p; III: 43p/9u							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
U <sub>4</sub> ×3(N57)  12A91 43× IV: 1u; III: 30p/10u	PC25 o0981383	12A91	12A91		12A91	12A91	
U <sub>4</sub> ×4(N57)  12A92 9× III: 7p/1u	PC25 o0981384	12A92	12A92		12A92	12A92	
U <sub>4</sub> ×5(N57)  12A93 5× III: 5p	PC25 o0981385	12A93	12A93		12A93	12A93	
U <sub>4</sub> ×6(N57)  12A94 9× III: 8p/1u	PC25 o0981386	12A94	12A94		12A94	12A94	
U <sub>4</sub> ×7(N57)  12A95 3× III: 3p	PC25 o0981387	12A95	12A95			12A95	
U <sub>4</sub> ×8(N57)  12A96 3× III: 3p	PC25 o0981388	12A96	12A96			12A96	
U <sub>4</sub> ×10(N57)  12A97 2× III: 2p	PC25 o0981389	12A97	12A97				
U <sub>4</sub> ×1(N58@t)  12A98 AKA:  U <sub>4</sub> ×1(N58)@t  CDLI:  U <sub>4</sub> ×1(N58)@t  2× III: 2p	PC25 o0981390	12A98	12A98				
U <sub>4</sub> @t 12A99 1× III: 1p	PC25 o0981391	12A99	12A99				
U <sub>8</sub> 12A9A 186× IV: 32p; III: 118p/62u	PC25 o0981392 ZATU571	1 F21C2 12A9A 2 F21C3 3 F21C4	12A9A	F21C3	F21C2 12A9A F21C3 F21C4	F21C3	12A9A
U <sub>8</sub> ×TAR~b  12A9B CDLI:  (U <sub>8</sub> ×TAR)~b  2× III: 1p/1u	PC25 o0981393	12A9B	12A9B				
UB 12A9C 186× IV: 21p/5u; III: 152p/19u	PC25 o0981394 ZATU572	12A9C	12A9C	12A9C	12A9C	12A9C	12A9C
UBI~a 12A9D 2× IV: 2p; III: 2p	PC25 o0981395 ZATU573	12A9D	12A9D		12A9D		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
UBI~c 12A9E  8x III: 8p	PC25  o0981396 ZATU573	PC25  12A9E F21C5	12A9E F21C5	F21C5			
UBI~d 12A9F  2x III: 2p	PC25  o0981397 ZATU573	PC25  12A9F	12A9F				12A9F
UD <sub>5</sub> ~a 12AA0  224x IV: 46p/2u; III: 132p/83u	PC25  o0981398 ZATU574	PC25  1 F21C6 12AA0 2 F21C7	1 F21C6 12AA0 2 F21C7	12AA0 F21C7	12AA0 F21C6	12AA0 12AA0	12AA0 12AA0
UD <sub>5</sub> ~a@g 12AA1  1x III: 1p	PC25  o0981399	PC25  12AA1	12AA1	12AA1			
UD <sub>5</sub> ~b 12AA2  2x IV: 2p; III: 2p	PC25  o0981400 ZATU574	PC25  12AA2	12AA2		12AA2		
UD <sub>5</sub> ~c 12AA3  2x IV: 2p; III: 2p	PC25  o0981401 ZATU574	PC25  12AA3	12AA3		12AA3		
UDU~a 12AA4  AKA: UDU 586x IV: 77p/17u; III: 379p/148u	PC25  o0981402 ZATU575	PC25  12AA4	12AA4	12AA4	12AA4	12AA4	12AA4
UDU~a×TAR~a  12AA5  CDLI:  (UDU~a×TAR~a)  8x IV: 2p; III: 2p/4u	PC25  o0981403 ZATU576	PC25  12AA5	12AA5				
UDU~a×TAR~b  12AA6  CDLI:  (UDU~a×TAR~b)  19x III: 10p/9u	PC25  o0981404 ZATU576	PC25  12AA6	12AA6				
UDU~b  1x IV: 1u	UNP  o0981405 ZATU575	UNP  F2486	F2486				
UDU~c 12AA7  6x IV: 1u; III: 4p/1u	PC25  o0981406 ZATU575	PC25  12AA7	12AA7	12AA7			
UDUNITA~a 12AA8  198x IV: 33p; III: 122p/73u	PC25  o0981407 ZATU578	PC25  12AA8	12AA8	12AA8	12AA8	12AA8	12AA8
UDUNITA~b 12AA9  1x IV: 1p; III: 1p	PC25  o0981408 ZATU578	PC25  12AA9	12AA9		12AA9		
UDUNITA~c 12AAA  14x IV: 7p; III: 13p	PC25  o0981409 ZATU578	PC25  12AAA	12AAA		12AAA		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
UH	UNP						
1x III: 1u	o0981410	F2487					
UH <sub>3~a</sub> 12AAB	PC25						
13x IV: 2p; III: 9p/4u	o0981411	ZATU579					
UH <sub>3~a@t</sub> 12AAC	PC25						
2x IV: 1p; III: 1p	o0981412						
UH <sub>3~b</sub> 12AAD	PC25						
4x IV: 1p; III: 4p	o0981413	ZATU579					
UKKIN~a 12AAE	PC25	 <sup>1</sup> F21C8		 <sup>1</sup> F21C8	 <sup>1</sup> F21C8		
155x IV: 34p/9u; III: 112p/23u	o0981414	ZATU580					
UKKIN~b 12AAF	PC25	 <sup>1</sup> F21C9   <sup>2</sup> F21CA					
13x III: 11p/2u	o0981415	ZATU580					
UKKIN~bxDIN  12AB0	PC25					 <sup>1</sup> 12AB0	
6x III: 5p/1u	o0981416						
UKKIN~bxD(DIN.1(N01))  12AB1	PC25						
1x III: 1p	o0981417						
UKKIN~bxDUG~a  o0981418	EDI	 F2514					
UKKIN~b@HI@g~a  12AB2	PC25						
1x III: 1p	o0981419						
UKKIN~b@NI~a  12AB3	PC25						
2x III: 2p	o0981420						
UKKIN~b@X	PC25-bk	 F2488					
1x III: 1p	o0981421						
UKKIN~b@2(N01)  12AB4	PC25	 12AB4	 12AB4				
1x III: 1p	o0981422						
UKKIN~b@3(N01)  12AB5	PC25	 12AB5	 12AB5				
1x III: 1p	o0981423						
UKKIN~b@5(N01)  12AB6	PC25	 12AB6	 12AB6				
1x III: 1p	o0981424						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
UKKIN~c 12AB7	PC25 	PC25 	12AB7 		12AB7 		
1× IV: 1p	o0981425 ZATU580		12AB7 				
UKKIN~d	UNP	PC25 	F2534 				
1×	o0981426 ZATU580		F2534 				
UMBIN~a 12AB8	PC25 	PC25 	12AB8 		12AB8 		12AB8 
40× IV: 27p/3u; III: 27p/3u	o0981427 ZATU581		12AB8 		12AB8 		12AB8 
UMBIN~b1 12AB9	PC25 	PC25 	12AB9 				
2× IV: 2p	o0981428 ZATU581		12AB9 				
UMBIN~b2 12ABA	PC25 	PC25 	12ABA 		12ABA 		
1× IV: 1p	o0981429 ZATU581		12ABA 		12ABA 		
UMBIN~c 12ABB	PC25 	PC25 	12ABB 		12ABB 		
1× IV: 1p; III: 1p	o0981430 ZATU581		12ABB 		12ABB 		
UMUN <sub>2</sub> 12ABC	PC25 	PC25 	1 F21CB 	12ABC 	12ABC 	12ABC 	12ABC 
160× IV: 19p/2u; III: 109p/43u	o0981431 ZATU582		12ABC 		12ABC 		12ABC 
UNUG~a 12ABD	PC25 	PC25 	1 F21CC 	12ABD 	12ABD 	12ABD 	12ABD 
266× IV: 71p/8u; III: 186p/56u	o0981432 ZATU583		12ABD 		12ABD 		12ABD 
UNUG~a×A@t  12ABE	PC25 	PC25 	12ABE 		12ABE 		
1× IV: 1p; III: 1p	o0981433 ZATU584		12ABE 		12ABE 		
UNUG~a@s 12ABF	PC25 	PC25 	12ABF 		12ABF (o) 		
2× IV: 1p; III: 1p/1u	o0981434 ZATU585		12ABF 		12ABF (o) 		
UNUG~b 12AC0	PC25 	PC25 	12AC0 				
6× IV: 1p; III: 6p	o0981435 ZATU583		12AC0 				
UNUG~c 12AC1	PC25 	PC25 	12AC1 				
3× IV: 3p	o0981436 ZATU583		12AC1 				
UR~a 12AC2	PC25 	PC25 	12AC2 		12AC2 	12AC2 	12AC2 
AKA: UR 75× IV: 3p/4u; III: 42p/26u	o0981437 ZATU586		12AC2 		12AC2 	12AC2 	12AC2 
UR~a×KAR <sub>2</sub> ~b	UNP	PC25 	F2489 				
AKA:  UR~a×KAR <sub>2</sub> ~b  CDLI:  UR~a×KAR <sub>2</sub> ~b	o0981438						
1× III: 1u							
UR~a@g 12AC3	PC25 	PC25 	12AC3 		12AC3 		
2× IV: 2p; III: 2p	o0981439 ZATU587		12AC3 		12AC3 		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
UR~b 12AC4	PC25	12AC4	12AC4				
8× IV: 1u; III: 7p	o0981440	ZATU586					
UR~c 12AC5	PC25	12AC5	12AC5				12AC5
3× IV: 1p/1u; III: 1p	o0981441	ZATU586					
UR <sub>2</sub> 12AC6	PC25	12AC6	12AC6	12AC6	12AC6	12AC6	12AC6
107× IV: 13p/2u; III: 77p/24u	o0981442	ZATU588					
UR <sub>2</sub> ×TAR~c  12AC7	PC25	12AC7	12AC7	12AC7 (o)			
AKA:  UR <sub>2</sub> ×TAR  CDLI:  UR <sub>2</sub> ×TAR  4× IV: 2p; III: 2p	o0981443	ZATU590					
UR <sub>2</sub> ×1(N57)  12AC8	PC25	12AC8	12AC8	12AC8			
15× IV: 6p/1u; III: 11p/2u	o0981444	ZATU589					
UR <sub>3</sub> ~a1 12AC9	PC25	12AC9 1 F21CD	12AC9		12AC9		
4× IV: 4p; III: 2p	o0981445	ZATU591					
UR <sub>3</sub> ~a2 12ACA	PC25	12ACA	12ACA	12ACA			
6× III: 6p	o0981446	ZATU591					
UR <sub>3</sub> ~a3 12ACB	PC25	12ACB	12ACB				
8× III: 7p/1u	o0981447	ZATU591					
UR <sub>3</sub> ~b1 12ACC	PC25	12ACC	12ACC	12ACC			
12× IV: 5p/2u; III: 4p	o0981448	ZATU591					
UR <sub>3</sub> ~b1×MAŠ  1× IV: 1u	o0981449	UNP	F248A	F248A			
UR <sub>3</sub> ~b2 12ACD	PC25	12ACD 1 F21CE	12ACD	12ACD			
11× IV: 2p/1u; III: 5p/3u	o0981450	ZATU591					
UR <sub>3</sub> ~d2 1×	UNP	F2535	F2535				
o0981451	ZATU591						
UR <sub>4</sub> ~a 12ACE	PC25	12ACE	12ACE	12ACE			
13× IV: 1p; III: 9p/3u	o0981452	ZATU592					
UR <sub>4</sub> ~b 12ACF	PC25	12ACF	12ACF	12ACF			12ACF
18× III: 15p/3u	o0981453	ZATU592					
UR <sub>4</sub> ~c 12AD0	PC25	12AD0	12AD0				
3× IV: 2p; III: 1p	o0981454	ZATU592					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
UR <sub>5~a</sub> 12AD1 74x IV: 1p/1u; III: 57p/16u	PC25 o0981455 ZATU593	12AD1	12AD1		12AD1	12AD1	
UR <sub>5~b</sub> 12AD2 4x III: 4p	PC25 o0981456 ZATU593	12AD2	12AD2				
URI 12AD3 29x IV: 1p/1u; III: 20p/7u	PC25 o0981457 ZATU594	12AD3	12AD3	12AD3	12AD3	12AD3	
URI <sub>2</sub>	EDI o0981458		F228E				
URI <sub>3~a</sub> 12AD4 110x IV: 7p; III: 58p/45u	PC25 o0981459 ZATU595	12AD4 1 F21CF	12AD4 1 F21CF	F21CF		F21CF	F21CF
URI <sub>3~a+IB~a</sub>	EDI o0981460		F228D				
URI <sub>3~b</sub>	PC25-sq o0981461 ZATU595		F228C				
URI <sub>5</sub> 12AD5 8x III: 4p/4u	PC25 o0981462 ZATU596	12AD5	12AD5				
URU~a1	PC25 12AD6 169x IV: 9p/3u; III: 112p/46u	12AD6 1 o0981463 ZATU597	12AD6	12AD6	12AD6	12AD6	12AD6
URU~a1xA	EDI o0981464		F2515				
URU~a1xAMAR	PC25 12AD7 2x IV: 2p; III: 2p	12AD7	12AD7		12AD7		
URU~a1xGU <sub>4</sub>	UNP 1x III: 1u	F248B	F248B				
URU~a1xHI@g~a	PC25 12AD8 1x III: 1p	12AD8	12AD8		12AD8		
URU~a1xKI	PC25 12AD9 2x III: 2p	12AD9					12AD9
URU~a1xNIMGIR	PC25 12ADA 1x IV: 1p; III: 1p	12ADA	12ADA		12ADA		
URU~a1xU <sub>4</sub>	PC25 12ADB 1x III: 1p	12ADB	12ADB		12ADB		
URU~a1xX	PC25-bk 2x IV: 1p; III: 2p	F248C	F248C		F248C		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
URU~a1×1(N57)	PC25-sq						
1× IV: 1p	o0981472	ZATU601	F22B0				
URU~a1×2(N57)	UNP						
1× IV: 1u	o0981473	ZATU601	F22B1				
URU~a1×3(N57)	PC25						
12ADC		12ADC					12ADC
5× III: 5p	o0981474						
URU~a1@n	UNP						
CDLI:  URU~a1@n			F248D				
1× III: 1u	o0981475						
URU~a2	PC25						
12ADD		12ADD					
3× IV: 3p; III: 2p	o0981476	ZATU597		12ADD			
URU~a2×1(N58)	PC25						
12ADE		12ADE					
AKA:  URU~a1+1(N58)				12ADE			
3× IV: 2p; III: 3p	o0981477	ZATU601					
URU~a3×KALAM~a	PC25						
12ADF		12ADF					
1× IV: 1p	o0981478	ZATU599		12ADF			
URU~b1	PC25						
12AE0		12AE0					
2× IV: 2p; III: 2p	o0981479	ZATU597		12AE0			
URU~b2	PC25						
12AE1		12AE1					
4× IV: 4p; III: 3p	o0981480	ZATU597		12AE1			
URU~c	PC25						
12AE2		12AE2					
2× IV: 2p; III: 2p	o0981481	ZATU597		12AE2			
URUDU~a	PC25						
12AE3		12AE3					
40× IV: 8p/1u; III: 24p/11u	o0981482	ZATU602	1 F21D0 2 F21D1 12AE3	F21D0 F21D1 12AE3	F21D0 F21D1 12AE3	F21D1	12AE3
URUDU~c	PC25						
12AE4		12AE4					
3× IV: 1p; III: 2p/1u	o0981483	ZATU602		12AE4			
URUDU~d	PC25						
12AE5		12AE5					
1× IV: 1p; III: 1p	o0981484	ZATU602		12AE5			
URUDU@g~a	PC25						
12AE6		12AE6					
5× IV: 3p/2u; III: 2p	o0981485	ZATU603		12AE6			
URUDU@g~b	UNP						
1× IV: 1u	o0981486	ZATU603	F248E				
URUDU@g~c	PC25						
12AE7		12AE7					
3× III: 3p	o0981487	ZATU603		12AE7			

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
URUDU@g~d 12AE8	PC25 o0981488 ZATU603	12AE8					
UŠ~a 12AE9	PC25 o0981489 ZATU604	12AE9 F21D2	12AE9	12AE9		12AE9	
UŠ~a&UŠ~a  12AEA	PC25 o0981490	12AEA		12AEA			
UŠ~b 12AEB	PC25 o0981491 ZATU604	12AEB F21D3	12AEB	12AEB F21D3			
UŠ~b×TAR~c  12AEC	PC25 o0981492 ZATU605	1 F21D4 12AEC					
UŠ~b×TAR~d	EDI o0981493	F2516					
UŠ~b&UŠ~b  12AED	PC25 o0981494	12AED	12AED				
UŠUMGAL	PC25-sq o0981495 ZATU607	F2239	F2239				
UŠUR <sub>3</sub> ~a	EDI o0981496	F24F0	F24F0	F24F0 (b1) F24F0			
UŠUR <sub>3</sub> ~b1 12AEE	PC25 o0981497 ZATU608	12AEE	12AEE	F24F0 (b2) 12AEE			
UŠUR <sub>3</sub> ~b2 12AEF	PC25 o0981498 ZATU608	12AEF	12AEF				
UTUA~a~a@t 12AF0	PC25 o0981499 ZATU609	12AF0		12AF0	12AF0	12AF0	
UTUA~a~a@t 12AF1	PC25 o0981500	12AF1		12AF1			
UTUA~b 12AF2	PC25 o0981501 ZATU609	1 F21D5 12AF2	12AF2	F21D5	F21D5 12AF2		
UTUL~a 12AF3	PC25 o0981502 ZATU610	12AF3		12AF3	12AF3	12AF3	

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>UTUL~b</b> 12AF4	PC25						
1× IV: 1p; III: 1p o0981503 ZATU610							
<b>UTUL~c</b> 12AF5	PC25						
1× IV: 1p; III: 1p o0981504 ZATU610							
<b>UTUL~d</b> 12AF6	PC25						
1× IV: 1p; III: 1p o0981505 ZATU610							
<b>UZ~a</b>	PC25-sq						
6× III: 1p/2u o0981506 ZATU611							
<b>UZU</b> 12AF7	PC25						
2× III: 1p/1u o0981507							
<b>X₂</b>	PC25-sq						
AKA:  2(N57).DU₆~a@n  1× III: 1p o0981508							
<b>ZA~v</b> 12AF8	PC25						
CDLI: ZA~x 9× III: 9p o0981509 ZATU612							
<b>ZABALAM~a</b>	PC25-sq						
AKA: ZABALA~a 48× III: 31p/17u o0981510 ZATU613							
<b>ZABALAM~b</b>	UNP						
1× III: 1u o0981511 ZATU613							
<b>ZADIM</b>	EDI						
<b>ZAG~a</b> 12AF9	PC25						
75× IV: 2p/1u; III: 58p/15u o0981513 ZATU615							
<b>ZAG~b</b> 12AFA	PC25						
2× IV: 2p; III: 2p o0981514 ZATU615							
<b>ZAG~c</b> 12AFB	PC25						
7× IV: 4p; III: 4p o0981515 ZATU615							
<b>ZAR~a</b> 12AFC	PC25						
2× III: 2p o0981516 ZATU616							
<b>ZAR~b1</b> 12AFD	PC25						
2× IV: 2p; III: 1p o0981517 ZATU616							
<b>ZAR~b2</b> 12AFE	PC25						
3× IV: 3p o0981518 ZATU616							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZAR~c 12AFF	PC25	12AFF	12AFF		12AFF		
8x IV: 6p/1u; III: 6p o0981519 ZATU616							
ZI~a 12B00	PC25	1 F221C	12B00	12B00	12B00		
125x IV: 3p/1u; III: 91p/31u o0981520 ZATU617		12B00					
ZI~b 12B01	PC25	12B01	12B01		12B01		
2x IV: 2p; III: 2p o0981521 ZATU617							
ZI~d 12B02	PC25	12B02	12B02				
2x III: 2p o0981522 ZATU617							
(ZU&ZU).SAR~a	EDI	F2518	F2518				
		F2518					
ZUBI~a 12B03	PC25	12B03	12B03				
1x III: 1p o0981524 ZATU619							
ZUBI~b	UNP	F221D 1 F221E	F221E	F221E (a)			
1x III: 1u o0981525 ZATU619							
ZATU620 12B04	PC25	12B04	12B04		12B04		
1x IV: 1p; III: 1p o0981526 ZATU620							
ZATU621~a 12B05	PC25	12B05	12B05	12B05	12B05		
5x IV: 4p; III: 4p o0981527 ZATU621							
ZATU621~b 12B06	PC25	12B06	12B06		12B06		
3x IV: 3p; III: 2p o0981528 ZATU621							
ZATU621~c 12B07	PC25	12B07	12B07		12B07		
2x IV: 2p; III: 1p o0981529 ZATU621							
ZATU621~d 12B08	PC25	12B08	12B08				
1x IV: 1p o0981530 ZATU621							
ZATU622 12B09	PC25	12B09	12B09		12B09		
1x IV: 1p; III: 1p o0981531 ZATU622							
ZATU623 12B0A	PC25	1 F21D9 2 F21DA 12B0A	12B0A	F21D9 F21DA	12B0A	12B0A	
11x IV: 3p/1u; III: 6p/2u o0981532 ZATU623							
ZATU624~a 12B0B	PC25	12B0B	12B0B		12B0B		
6x III: 3p/3u o0981533 ZATU624							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU624~b 12B0C	PC25 	12B0C	12B0C				
5× III: 1p/4u	o0981534	ZATU624					
ZATU624~c	UNP						
1× III: 1u	o0981535	ZATU624	F248F				
ZATU625 12B0D	PC25 	12B0D	12B0D		12B0D		12B0D
17× IV: 3p/1u; III: 13p/3u	o0981536	ZATU625	1 F21DB		1 F21DB		
ZATU626~a 12B0E	PC25 	12B0E	12B0E		12B0E		
1× IV: 1p; III: 1p	o0981537	ZATU626					
ZATU626~b 12B0F	PC25 	12B0F	12B0F				
1× IV: 1p	o0981538	ZATU626					
ZATU626~c 12B10	PC25 	12B10	12B10		12B10		
1× IV: 1p; III: 1p	o0981539	ZATU626					
ZATU627	UNP						
1× IV: 1u	o0981540	ZATU627	F2490				
ZATU628~a 12B11	PC25 	12B11	1 F21DC		12B11	12B11	
30× III: 15p/15u	o0981541	ZATU628					
ZATU628~b 12B12	PC25 	12B12	12B12			12B12	
8× III: 1p/7u	o0981542	ZATU628					
ZATU629 12B13	PC25 	1 F21DD	12B13		F21DD		
22× IV: 6p; III: 9p/10u	o0981543	ZATU629					
ZATU630 12B14	PC25 	12B14	12B14	12B14	12B14	12B14	
8× IV: 5p/1u; III: 5p	o0981544	ZATU630					
ZATU631 12B15	PC25 	12B15	12B15		12B15		
6× IV: 4p; III: 4p/2u	o0981545	ZATU631					
ZATU632~a 12B16	PC25 	12B16	1 F21DE	12B16			
4× IV: 1p/1u; III: 2u	o0981546	ZATU632					
ZATU632~b 12B17	PC25 	12B17	12B17		12B17		
1× IV: 1p; III: 1p	o0981547	ZATU632					
ZATU632~c	UNP						
1× IV: 1u	o0981548	ZATU632	F2491				
ZATU633~a 12B18	PC25 	12B18	12B18		12B18		
4× III: 3p/1u	o0981549	ZATU633					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU633~b 12B19 4x III: 4p	☒☒ o0981550 ZATU633	PC25 12B19	☒☒ 12B19	☒☒ 12B19			
ZATU634 1x IV: 1u		UNP o0981551 ZATU634	☒☒ F2492	☒☒			
ZATU635 12B1A 3x IV: 3p; III: 3p	☒ o0981552 ZATU635	PC25 12B1A	☒ 12B1A		☒ 12B1A		
ZATU636 12B1B 5x IV: 3p; III: 3p/2u	☒ o0981553 ZATU636	PC25 12B1B	☒ F21DF ☒ 12B1B	☒			
ZATU637 12B1C 2x IV: 1p; III: 2p	☒☒ o0981554 ZATU637	PC25 12B1C	☒☒ 12B1C	☒☒			
ZATU639 12B1D 7x IV: 4p/1u; III: 6p	☒ o0981555 ZATU639	PC25 12B1D	☒ 12B1D		☒ 12B1D		
ZATU640 1x IV: 1p; III: 1p		PC25-bk o0981556 ZATU640	☒ F2493	☒	☒ F2493		
ZATU641 12B1E 1x IV: 1p; III: 1p	☒ o0981557 ZATU641	PC25 12B1E	☒ 12B1E		☒ 12B1E		
ZATU642 12B1F 2x IV: 2p; III: 2p	☒☒ o0981558 ZATU642	PC25 12B1F	☒☒ 12B1F		☒☒ 12B1F		
ZATU643 12B20 2x IV: 1p/1u	☒☒ o0981559 ZATU643	PC25 12B20	☒☒ 12B20				
ZATU644~a 12B21 57x IV: 8p/3u; III: 48p/2u	⤙ o0981560 ZATU644	PC25 12B21	⤙ 12B21		⤙ 12B21	⤙ 12B21	
ZATU644~a×1(N14)		UNP o0981561 ZATU645	⤙ F2494	⤙			
ZATU644~b 12B22 10x IV: 3p/4u; III: 6p/1u	⤙ o0981562 ZATU644	PC25 12B22	⤙ 12B22	⤙ 12B22	⤙ 12B22		
ZATU646 12B23 10x IV: 2p; III: 2p/6u	⤙⤙ o0981563 ZATU646	PC25 12B23	⤙⤙ 12B23				
ZATU647 12B24 73x IV: 3p; III: 54p/14u	⤙ o0981564 ZATU647	PC25 1 F21E0	⤙ 12B24 ⤙ 12B24	⤙ 12B24	⤙ 12B24	⤙ 12B24	
ZATU648 12B25 53x IV: 2u; III: 39p/12u	⤙⤙ o0981565 ZATU648	PC25 12B25	⤙⤙ 12B25	⤙⤙ 12B25			⤙⤙ 12B25

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU649 12B26  44x III: 37p/7u o0981566 ZATU649	PC25	 12B26  1 F21E1	 12B26				 12B26
ZATU650  1x IV: 1p o0981567 ZATU650	PC25-bk	 F2495	 F2495				
ZATU651 12B27  17x IV: 11p/3u; III: 6p/1u o0981568 ZATU651	PC25	 1 F21E2  2 F21E3  12B27	 1 F21E2  2 F21E3  12B27	 12B27			
ZATU651×AN  12B28  1x III: 1p o0981569 ZATU652	PC25	 12B28	 12B28				
ZATU651×EN~a  12B29  29x III: 23p/6u o0981570 ZATU653	PC25	 12B29	 12B29		 12B29		 12B29
ZATU651×GAR  12B2A  20x IV: 1p/2u; III: 8p/9u o0981571 ZATU654	PC25	 12B2A	 12B2A		 12B2A		 12B2A
ZATU651×MA  12B2B  1x IV: 1p o0981572 ZATU655	PC25	 12B2B	 12B2B				
ZATU651×NUN~a  12B2C  12x IV: 1p; III: 11p/1u o0981573 ZATU656	PC25	 12B2C	 12B2C				
ZATU651×ŠE~a   1x III: 1u o0981574 ZATU657	UNP	 F2497	 F2497				
ZATU651×X   2x III: 2p o0981575	PC25-bk	 F2496	 F2496				
ZATU651×ZAR~c  12B2D  1x IV: 1p o0981576	PC25	 12B2D	 12B2D				
ZATU651@g 12B2E  15x IV: 1p; III: 9p/5u o0981577 ZATU658	PC25	 12B2E	 12B2E	 12B2E	 12B2E		
ZATU659 12B2F  131x IV: 14p/6u; III: 78p/37u o0981578 ZATU659	PC25	 12B2F	 12B2F	 12B2F	 12B2F	 12B2F	 12B2F
ZATU659×1(N01)  12B30  20x III: 20p o0981579	PC25	 12B30	 12B30		 12B30	 12B30	 12B30
ZATU659×1(N14)  12B31  1x IV: 1p; III: 1p o0981580 ZATU661	PC25	 12B31	 12B31		 12B31		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU659×1(N58@t)  12B32  AKA:  ZATU659×1(N58)@t  CDLI:  ZATU659×1(N58)@t  1x III: 1p o0981581 ZATU660	PC25 	 12B32	 12B32				
ZATU659@t  1x o0981582	UNP	 F2541					
ZATU662 12B33  27x IV: 4p/6u; III: 19p/1u o0981583 ZATU662	PC25 	 1 F21E4  2 F21E5  12B33  3 F21E6	 F21E5	 F21E5  12B33		 12B33	
ZATU662×1(N14)  12B34  11x IV: 4p/1u; III: 9p o0981584 ZATU663	PC25 	 12B34  1 F21E7  2 F21E8	 F21E8	 F21E7			
ZATU664 12B35  2x IV: 1p; III: 1p o0981585 ZATU664	PC25 	 12B35	 12B35				
ZATU665 12B36  1x IV: 1p; III: 1p o0981586 ZATU665	PC25 	 12B36	 12B36				
ZATU666 12B37  1x IV: 1p o0981587 ZATU666	PC25 	 12B37	 12B37				
ZATU667 12B38  1x IV: 1p; III: 1p o0981588 ZATU667	PC25 	 12B38	 12B38		 12B38		
ZATU668 12B39  1x IV: 1p o0981589 ZATU668	PC25 	 12B39	 12B39		 12B39		
ZATU669 12B3A  6x III: 3p/3u o0981590 ZATU669	PC25 	 12B3A	 12B3A				
ZATU670  1x IV: 1p; III: 1p o0981591 ZATU670	PC25-bk 	 F2498	 F2498				
ZATU672 12B3B  3x IV: 3p; III: 2p o0981592 ZATU672	PC25 	 12B3B	 12B3B		 12B3B		
ZATU674 12B3C  1x IV: 1p o0981593 ZATU674	PC25 	 12B3C	 12B3C				
ZATU675~a 12B3D  1x IV: 1p; III: 1p o0981594 ZATU675	PC25 	 12B3D	 12B3D				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU675~b 12B3E	PC25	1 F21E9 12B3E			12B3E		
4× IV: 2p; III: 4p o0981595	ZATU675						
ZATU675~c 12B3F	PC25						
2× IV: 2p; III: 1p o0981596	ZATU675	12B3F			12B3F		
ZATU675~d 12B40	PC25						
2× III: 2p o0981597	ZATU675	12B40					
ZATU676~a 12B41	PC25						
8× III: 6p/2u o0981598	ZATU676	12B41					
ZATU676~b 12B42	PC25						
7× III: 7p o0981599	ZATU676	12B42					
ZATU677~a 12B43	PC25						
1× IV: 1p; III: 1p o0981600	ZATU677	12B43			12B43		
ZATU677~b 12B44	PC25						
1× IV: 1p; III: 1p o0981601	ZATU677	12B44			12B44		
ZATU678 12B45	PC25						
5× IV: 4p o0981602	ZATU678	12B45			12B45		
ZATU679 12B46	PC25						
8× IV: 4p/2u; III: 4p o0981603	ZATU679	12B46		12B46	12B46		
ZATU680~a1 12B47	PC25						
1× IV: 1p o0981604	ZATU680	12B47					
ZATU680~a2 12B48	PC25						
1× IV: 1p o0981605	ZATU680	12B48					
ZATU680~b 12B49	PC25	1 F21EA 12B49		12B49	12B49		
6× IV: 4p; III: 5p o0981606	ZATU680	12B49					
ZATU680~d 12B4A	PC25						
1× IV: 1p o0981607	ZATU680	12B4A			12B4A		
ZATU680~e 12B4B	PC25						
1× IV: 1p o0981608	ZATU680	12B4B			12B4B		
ZATU681 12B4C	PC25						
10× IV: 1p; III: 9p o0981609	ZATU681	12B4C		12B4C	12B4C		
ZATU682 12B4D	PC25						
7× III: 4p/3u o0981610	ZATU682	12B4D			12B4D		
ZATU683~a 12B4E	PC25						
1× IV: 1p o0981611	ZATU683	12B4E			12B4E		
ZATU683~b 12B4F	PC25						
2× IV: 2p o0981612	ZATU683	12B4F					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU683@t CDL:  ZATU683@t  1x III: 1u	UNP o0981613	F2499					
ZATU684 12B50 2x III: 1p/1u	PC25 o0981614 ZATU684	12B50		12B50			
ZATU685 12B51 1x IV: 1p	PC25 o0981615 ZATU685	12B51			12B51		
ZATU686~a 12B52 40x IV: 1p/1u; III: 25p/14u	PC25 o0981616 ZATU686	12B52		12B52		12B52	
ZATU686~b 12B53 14x III: 9p/5u	PC25 o0981617 ZATU686	12B53				12B53	
ZATU686~c 12B54 2x III: 2p	PC25 o0981618 ZATU686	12B54		12B54			
ZATU687 12B55 15x IV: 3p; III: 4p/9u	PC25 o0981619 ZATU687	12B55		12B55		12B55	
ZATU688~a 12B56 4x IV: 4p	PC25 o0981620 ZATU688	12B56					
ZATU688~b 12B57 1x IV: 1p; III: 1p	PC25 o0981621 ZATU688	12B57				12B57	
ZATU689 12B58 3x IV: 3p; III: 3p	PC25 o0981622 ZATU689	12B58				12B58	
ZATU690 12B59 2x IV: 1p/1u; III: 1p	PC25 o0981623 ZATU690	12B59		12B59			
ZATU691 12B5A 1x IV: 1p	PC25 o0981624 ZATU691	12B5A					
ZATU692 12B5B 1x IV: 1p; III: 1p	PC25 o0981625 ZATU692	12B5B				12B5B	
ZATU693 12B5C 31x IV: 29p/1u; III: 25p	PC25 o0981626 ZATU693	12B5C F21EB F21EC		12B5C F21EB F21EC			
ZATU693@t 12B5D 1x IV: 1p; III: 1p	PC25 o0981627	12B5D 1 F21ED					F21ED

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU694~a 12B5E	PC25 	12B5E 			12B5E 		
3x IV: 3p; III: 1p	o0981628 ZATU694						
ZATU694~b 12B5F	PC25 	12B5F 			12B5F 		
10x IV: 9p; III: 3p	o0981629 ZATU694						
ZATU694~c 12B60	PC25 	12B60 		12B60 		12B60 	
74x IV: 2p; III: 19p/53u	o0981630 ZATU694	F21EE 				12B60 	12B60 
ZATU694~d 12B61	PC25 	12B61 			12B61 		
16x IV: 14p; III: 5p	o0981631 ZATU694						
ZATU694~d@t 12B62	PC25 	12B62 			12B62 		
2x IV: 2p	o0981632						
ZATU694~e	ZERO						
	o0981633 ZATU694	F2529 					
ZATU695 12B63	PC25 	12B63 					
5x IV: 4p; III: 1u	o0981634 ZATU695						
ZATU696 12B64	PC25 	12B64 			12B64 		
5x IV: 1p; III: 5p	o0981635 ZATU696						
ZATU697~a 12B65	PC25 	1 F21EF  2 F21F0  3 F21F1  4 F21F2 		12B65 	1 F21EF  2 F21F0  3 F21F1  4 F21F2 		
34x IV: 9p; III: 20p/12u	o0981636 ZATU697						
ZATU697~b 12B66	PC25 	12B66 			12B66 		
7x IV: 3p/2u; III: 2p/1u	o0981637 ZATU697						
ZATU697~c	UNP						
2x III: 2u	o0981638 ZATU697	F249A 					
ZATU699~a	UNP						
1x IV: 1u	o0981639 ZATU699	F249B 					
ZATU699~b 12B67	PC25 	12B67 					
1x IV: 1p	o0981640 ZATU699						
ZATU700 12B68	PC25 	12B68 			12B68 		
2x IV: 1p; III: 1p	o0981641 ZATU700						
ZATU701 12B69	PC25 	12B69 			12B69 		
1x IV: 1p	o0981642 ZATU701						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU702 12B6A 3x IV: 1p; III: 3p o0981643 ZATU702	PC25						
ZATU703 12B6B 21x IV: 3p; III: 18p/3u o0981644 ZATU703	PC25						
ZATU704 PC25-bk 3x IV: 2p; III: 1p o0981645 ZATU704							
ZATU705 12B6C 1x IV: 1p; III: 1p o0981646 ZATU705	PC25						
ZATU706 12B6D 2x IV: 2p o0981647 ZATU706	PC25						
ZATU707-a 12B6E 11x IV: 1u; III: 9p/1u o0981648 ZATU707	PC25						
ZATU707-b 12B6F 2x IV: 2p o0981649 ZATU707	PC25						
ZATU708 12B70 2x IV: 1p; III: 2p o0981650 ZATU708	PC25						
ZATU709 12B71 1x IV: 1p; III: 1p o0981651 ZATU709	PC25						
ZATU710 12B72 52x III: 46p/5u o0981652 ZATU710	PC25						
1							
2							
ZATU711 12B73 6x IV: 3p; III: 2p/1u o0981653 ZATU711	PC25						
ZATU711-xH@g~a  12B74 2x IV: 2p; III: 2p o0981654 ZATU712	PC25						
ZATU711-x  PC25-bk 1x IV: 1p; III: 1p o0981655 ZATU713							
ZATU713 12B75 7x IV: 7p o0981656 ZATU713	PC25						
ZATU714 12B76 40x IV: 2p/1u; III: 29p/10u o0981657 ZATU714	PC25						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS	
ZATU714.RU  1x IV: 1p; III: 1p o0981658 ZATU716	PC25-sq	 F228F			 F228F			
ZATU714×HI@g~a  12B77 39x IV: 3p; III: 35p/3u o0981659 ZATU715	PC25	 12B77			 12B77	 12B77		
ZATU714×X  2x IV: 1p; III: 1u o0981660	PC25-bk	 F249E						
ZATU717 12B78 2x IV: 1p; III: 2p o0981661 ZATU717	PC25	 12B78				 12B78		
ZATU718 12B79 16x IV: 1p; III: 10p/5u o0981662 ZATU718	PC25	 12B79		 12B79	 12B79			
ZATU719 12B7A 4x III: 1p/3u o0981663 ZATU719	PC25	 12B7A						
ZATU720 12B7B 20x IV: 19p/1u; III: 16p o0981664 ZATU720	PC25	 12B7B				 12B7B		
ZATU721 12B7C 2x IV: 2p; III: 2p o0981665 ZATU721	PC25	 12B7C				 12B7C		
ZATU722 12B7D 3x IV: 2p; III: 1p o0981666 ZATU722	PC25	 12B7D				 12B7D		
ZATU723 12B7E 3x IV: 1p; III: 2p o0981667 ZATU723	PC25	 12B7E				 12B7E		
ZATU724 3x IV: 1p; III: 3p o0981668 ZATU724	PC25-bk	 F249F			 F249F		 F249F	
ZATU725 12B7F 18x IV: 1p; III: 16p/1u o0981669 ZATU725	PC25	 1 F21F6  12B7F	 1 F21F6 					
ZATU726~a 12B80 1x IV: 1p o0981670 ZATU726	PC25	 12B80  1 F21F7	 12B80 			 12B80  (b) F21F7		
ZATU726~c 12B81 4x IV: 1p; III: 4p o0981671 ZATU726	PC25	 12B81				 12B81		
ZATU726~d 12B82 23x IV: 6p/1u; III: 18p/2u o0981672 ZATU726	PC25	 12B82				 12B82		
ZATU727 12B83 1x III: 1p o0981673 ZATU727	PC25	 12B83				 12B83		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU728 12B84	PC25 	12B84 					
9x III: 5p/4u	o0981674	ZATU728					
ZATU729 12B85	PC25 	12B85  1 F21F8	12B85  F21F8				
7x IV: 6p; III: 6p	o0981675	ZATU729					
ZATU730 12B86	PC25 	12B86 					
1x III: 1p	o0981676	ZATU730					
ZATU732 12B87	PC25 	12B87  1 F21F9	12B87  F21F9				
8x III: 8p	o0981677	ZATU732					
ZATU733	UNP	F24A0 	F24A0 				
1x III: 1u	o0981678	ZATU733					
ZATU734 12B88	PC25 	12B88 	12B88 				
1x IV: 1p	o0981679	ZATU734					
ZATU735~a 12B89	PC25 	12B89 	12B89 				
8x III: 5p/3u	o0981680	ZATU735				12B89 	12B89 
ZATU735~b 12B8A	PC25 	1 F21FA  2 F21FB  12B8A 	1 F21FA  2 F21FB  12B8A 	12B8A  F21FB  12B8A 			
20x IV: 3p; III: 17p/3u	o0981681	ZATU735					
ZATU735~c 12B8B	PC25 	12B8B 	12B8B 				12B8B 
1x III: 1p	o0981682	ZATU735					
ZATU736~a 12B8C	PC25 	12B8C 	12B8C 				12B8C 
2x IV: 1p; III: 1p	o0981683	ZATU736					
ZATU736~b 12B8D	PC25 	12B8D 	12B8D 				
1x IV: 1p; III: 1p	o0981684	ZATU736					
ZATU737 12B8E	PC25 	12B8E  1 F21FC  2 F21FD 	12B8E  1 F21FC  2 F21FD 	12B8E  12B8E 			
4x IV: 1p; III: 3p/1u	o0981685	ZATU737					
ZATU737~AB~a  12B8F	PC25 	12B8F 	12B8F 				
1x III: 1p	o0981686	ZATU738					
ZATU737~BU~a  12B90	PC25 	12B90 	12B90 				
1x III: 1p	o0981687						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU737×BUR~a  12B91  AKA: GABURRA 15× IV: 1p; III: 14p	PC25  o0981688 ZATU185	12B91  F21FE	12B91  F21FE (o)			12B91 (o)  12B91 (o)	
ZATU737×DI  12B92  26× IV: 1p; III: 23p/1u	PC25  o0981689 ZATU739	1 F2202  12B92	12B92  F2202				
ZATU737×E~a   1× III: 1u	UNP  o0981690	F24A1	F24A1				
ZATU737×EN~a  12B93  1× IV: 1p	PC25  o0981691 ZATU740	12B93	12B93				
ZATU737×EN~b  12B94  1× IV: 1p	PC25  o0981692 ZATU740	12B94	12B94				
ZATU737×GAR  12B95  AKA: ZATU741 5× IV: 2u; III: 3p	PC25  o0981693 ZATU741	12B95  1 F21FF  2 F2200	12B95  1 F21FF  2 F2200				
ZATU737×I   1× III: 1u	UNP  o0981694	F251B	F251B				
ZATU737×NI~a@g  12B96  1× III: 1p	PC25  o0981695	12B96  1 F2201	12B96  1 F2201				
ZATU737×NIMGIR  12B97  2× IV: 1p; III: 1p	PC25  o0981696 ZATU742	12B97	12B97				
ZATU737×SAL  12B98  33× IV: 1p/1u; III: 18p/13u	PC25  o0981697 ZATU743	12B98	12B98				
ZATU737×SU~a  12B99  2× IV: 1p; III: 1p	PC25  o0981698 ZATU744	12B99	12B99				12B99
ZATU737×ŠE~a  12B9A  1× IV: 1p; III: 1p	PC25  o0981699 ZATU745	12B9A	12B9A				
ZATU737×ŠITA~a1  12B9B  1× IV: 1p	PC25  o0981700	12B9B	12B9B				
ZATU737×ŠITA~b1@g  CDLI:  ZATU737×ŠITA@g~a  o0981701 ZATU746	EDI  o0981701 ZATU746	F2517	F2517				
ZATU737×U <sub>4</sub>   12B9C  11× III: 9p/2u	PC25  o0981702 ZATU747	12B9C	12B9C				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU737×UNUG~a  12B9D	PC25 	12B9D 		12B9D 			
1× IV: 1p; III: 1p	o0981703	ZATU748					
ZATU737×X	PC25-bk 	F24A2 		F24A2 			
14× III: 12p/2u	o0981704						
ZATU737@t×PAP~a	UNP 	F251A 					
1×	o0981705						
ZATU749~a 12B9E	PC25 	12B9E  1 F2203  2 F2204 					
13× IV: 1p; III: 7p/5u	o0981706	ZATU749					
ZATU749~b 12B9F	PC25 	12B9F 			12B9F 		
19× IV: 1p/1u; III: 10p/9u	o0981707	ZATU749					
ZATU749~c 12BA0	PC25 	12BA0 					
13× IV: 1p; III: 11p/1u	o0981708	ZATU749					
ZATU750 12BA1	PC25 	1 F2205  2 F2206  12BA1  3 F2207  4 F2208  5 F2209 			F2208 	F2205 	F2208 
15× IV: 4p/2u; III: 8p/2u	o0981709	ZATU750					
ZATU751~a 12BA2	PC25 	12BA2  1 F220A 		12BA2 		12BA2 	12BA2 
41× IV: 1p; III: 35p/6u	o0981710	ZATU751					
ZATU751~b 12BA3	PC25 	12BA3  1 F220B 		12BA3 			
5× III: 5p	o0981711	ZATU751					
ZATU751~c 12BA4	PC25 	12BA4 					
1× III: 1p	o0981712						
ZATU752 12BA5	PC25 	1 F220C  12BA5 		12BA5 	F220C 	12BA5 	12BA5 
129× IV: 14p/1u; III: 90p/30u	o0981713	ZATU752					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU753 12BA6	PC25						
231x IV: 22p/16u; III: 168p/37u	o0981714 ZATU753	12BA6		12BA6	12BA6	12BA6	12BA6
ZATU754 12BA7	PC25						
3x IV: 3p; III: 1p	o0981715 ZATU754	12BA7			12BA7		
ZATU755~a 12BA8	PC25						
2x IV: 2p; III: 2p	o0981716 ZATU755	12BA8			12BA8		
ZATU755~b 12BA9	PC25						
3x IV: 1p; III: 3p	o0981717 ZATU755	12BA9					
ZATU756 12BAA	PC25						
19x IV: 1u; III: 11p/7u	o0981718 ZATU756	1 F220D 12BAA				F220D	
ZATU757 12BAB	PC25						
5x IV: 1u; III: 3p/2u	o0981719 ZATU757	1 F220E 12BAB 2 F220F				F220F	
ZATU758 12BAC	PC25						
26x IV: 18p/1u; III: 16p/1u	o0981720 ZATU758	12BAC		12BAC	12BAC		
ZATU759 12BAD	PC25						
47x IV: 8p/2u; III: 31p/8u	o0981721 ZATU759	1 F2210 12BAD			1 F2210 12BAD	12BAD	12BAD
ZATU759×KU <sub>6</sub> ~a  12BAE	PC25						
32x IV: 9p/1u; III: 22p/6u	o0981722 ZATU760	12BAE		12BAE (o)			12BAE
ZATU759×(KU <sub>6</sub> ~a+KU <sub>6</sub> ~a)  12BAF	PC25						
1x III: 1p	o0981723	12BAF					
ZATU759×KU <sub>6</sub> ~d	UNP						
1x IV: 1u; III: 1p	o0981724 ZATU760	F24A3					
ZATU759×X	PC25-bk						
2x IV: 1p; III: 2p	o0981725	F24A4					
ZATU759@t×X	PC25-bk						
1x III: 1p	o0981726	F24A5					
ZATU761	UNP						
1x III: 1u	o0981727 ZATU761	F24A6					

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU762~a 12BB0		PC25	 1 F2211  2 F2212 					
7x IV: 2p/2u; III: 5p o0981728	ZATU762		12BB0		12BB0			
ZATU762~a×NIM~a  12BB1		PC25	 12BB1					
2x IV: 1p/1u; III: 1p o0981729	ZATU763				12BB1			
ZATU762~b 12BB2		PC25	 12BB2					
5x IV: 3p/1u; III: 3p o0981730	ZATU762				12BB2			
ZATU762~b×AB~a  12BB3		PC25	 12BB3					
1x III: 1p o0981731	ZATU163				12BB3			
ZATU764 12BB4		PC25	 12BB4					
21x IV: 4p/2u; III: 13p/3u o0981732	ZATU764				12BB4			
ZATU765 12BB5		PC25	 12BB5					
1x IV: 1p o0981733	ZATU765		12BB5			12BB5		
ZATU766 12BB6		PC25	 12BB6					
1x IV: 1p; III: 1p o0981734	ZATU766		12BB6		12BB6			
ZATU767 12BB7		PC25	 12BB7					
1x IV: 1p; III: 1p o0981735	ZATU767		12BB7			12BB7		
ZATU768		PC25-bk						
1x IV: 1p o0981736	ZATU768		F24A7			F24A7		
ZATU769		PC25-bk						
1x III: 1p o0981737	ZATU769		F24A8			F24A8		
ZATU771		PC25-bk						
1x IV: 1p o0981738	ZATU771		F24A9			F24A9		
ZATU772 12BB8		PC25	 12BB8					
1x III: 1p o0981739	ZATU772		12BB8					
ZATU773~a 12BB9		PC25	 12BB9					
50x IV: 1u; III: 39p/10u o0981740	ZATU773		1 F2213				12BB9	
ZATU773~b 12BBA		PC25	 12BBA					
8x IV: 1p; III: 2p/3u o0981741	ZATU773		1 F2214					F2214
ZATU774 12BBB		PC25	 12BBB					
1x III: 1p o0981742	ZATU774		12BBB					
ZATU775 12BBC		PC25	 12BBC					
1x III: 1p o0981743	ZATU775		12BBC					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU776 12BBB	PC25 	 12BBB 1 F2215 2 F2216				 F2216	 12BBB
20x IV: 3p; III: 13p/4u	o0981744	ZATU776					
ZATU777 12BBE	PC25 	 12BBE 1 F2217 2 F2218		 F2217			 F2217
18x III: 15p/3u	o0981745	ZATU777					
ZATU778 12BBF	PC25 	 12BBF					
4x III: 2p/2u	o0981746	ZATU778					
ZATU779	ZERO	 F24AA					
	o0981747	ZATU779					
ZATU780 12BC0	PC25 	 12BC0					
2x IV: 2p; III: 1p	o0981748	ZATU780					
ZATU781 12BC1	PC25 	 12BC1					
1x III: 1p	o0981749	ZATU781					
ZATU782 12BC2	PC25 	 12BC2					
3x III: 3p	o0981750	ZATU782					
ZATU783 12BC3	PC25 	 12BC3					
2x III: 1p/1u	o0981751	ZATU783					
ZATU784 12BC4	PC25 	 12BC4					
1x III: 1p	o0981752	ZATU784					
ZATU785	PC25-bk	 F24AB					
1x III: 1p	o0981753	ZATU785					
ZATU786 12BC5	PC25 	 12BC5		 12BC5			
9x IV: 1u; III: 5p/3u	o0981754	ZATU786					
ZATU787 12BC6	PC25 	 12BC6					 12BC6
1x III: 1p	o0981755	ZATU787					
ZATU788 12BC7	PC25 	 12BC7					 12BC7
27x III: 27p	o0981756	ZATU788					
ZATU789	ZERO	 F24AC					
	o0981757	ZATU789					
ZATU791 12BC8	PC25 	 12BC8					
2x IV: 1u; III: 1p	o0981758	ZATU791					
ZATU792 12BC9	PC25 	 12BC9					
1x III: 1p	o0981759	ZATU792					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU795 12BCA 23x III: 6p/17u o0981760	PC25 ZATU795	 12BCA	 12BCA				
ZATU797 12BCB 2x III: 1p/1u o0981761	PC25 ZATU797	 12BCB	 12BCB			 12BCB	
ZATU798 12BCC 1x III: 1p o0981762	PC25 ZATU798	 12BCC	 12BCC			 12BCC	
ZATU799 12BCD 3x III: 1p/2u o0981763	PC25 ZATU799	 12BCD	 12BCD			 12BCD	
ZATU800 12BCE 2x III: 2p o0981764	PC25 ZATU800	 12BCE	 12BCE			 12BCE	
ZATU801 12BCF 4x III: 4p o0981765	PC25 ZATU801	 12BCF	 12BCF				
ZATU802 12BD0 1x IV: 1p o0981766	PC25 ZATU802	 12BD0	 12BD0				
ZATU802-b 12BD1 1x III: 1p o0981767	PC25 ZATU802	 12BD1	 12BD1				 12BD1
ZATU803 12BD2 1x IV: 1p o0981768	PC25 ZATU803	 12BD2	 12BD2				
ZATU804 12BD3 1x IV: 1p; III: 1p o0981769	PC25 ZATU804	 12BD3	 12BD3				
ZATU805 UNP 2x III: 2u o0981770	ZATU805		 F24AD	 F24AD			
ZATU806 12BD4 1x III: 1p o0981771	PC25 ZATU806	 12BD4	 12BD4				
ZATU807 12BD5 1x IV: 1p; III: 1p o0981772	PC25 ZATU807	 12BD5	 12BD5				
ZATU808 12BD6 1x III: 1p o0981773	PC25 ZATU808	 12BD6	 12BD6				
ZATU809 12BD7 7x III: 6p o0981774	PC25 ZATU809	 12BD7	 12BD7				
ZATU810 12BD8 1x III: 1p o0981775	PC25 ZATU810	 12BD8	 12BD8				
ZATU811 12BD9 7x IV: 1p; III: 2p/4u o0981776	PC25 ZATU811	 12BD9	 12BD9			 12BD9	
ZATU812 12BDA 1x III: 1p o0981777	PC25 ZATU812	 12BDA	 12BDA			 12BDA	

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU813 12BDB	PC25 o0981778 ZATU813	 12BDB					
1× III: 1p							
ZATU814	UNP		 F24AE				
1× III: 1u	o0981779 ZATU814						
ZATU815	UNP		 F24AF				
1× III: 1u	o0981780 ZATU815						
ZATU817	PC25-bk		 F24B0		 F24B0		
1× IV: 1p; III: 1p	o0981781 ZATU817						
ZATU818	PC25-bk		 F24B1		 F24B1		
1× IV: 1p; III: 1p	o0981782 ZATU818						
ZATU819 12BDC	PC25 o0981783 ZATU819	 12BDC					
7× III: 1p/6u							
ZATU820	UNP		 F24B2				
1× III: 1u	o0981784 ZATU820						
ZATU821	UNP		 F24B3				
7× III: 7u	o0981785 ZATU821						
ZATU822	UNP		 F24B4				
1× III: 1u	o0981786 ZATU822						
ZATU823	UNP		 F24B5				
3× III: 3u	o0981787 ZATU823						
ZATU824	UNP		 F24B6				
2× III: 2u	o0981788 ZATU824						
ZATU825	UNP		 F24B7				
2× III: 2u	o0981789 ZATU825						
ZATU826	UNP		 F24B8				
2× III: 2u	o0981790 ZATU826						
ZATU829	UNP		 F24B9				
1× III: 1u	o0981791 ZATU829						
ZATU831	UNP		 F24BA				
2× III: 2u	o0981792 ZATU831						
ZATU831@g	UNP		 F24BB				
CDLI:  ZATU831@g							
2× III: 2u	o0981793						
ZATU832 12BDD	PC25 o0981794 ZATU832	 12BDD					
3× III: 1p/2u							
ZATU833 12BDE	PC25 o0981795 ZATU833	 12BDE					
1× IV: 1p; III: 1p							
ZATU834 12BDF	PC25 o0981796 ZATU834	 12BDF					
1× IV: 1p							
ZATU835 12BE0	PC25 o0981797 ZATU835	 12BE0					
1× III: 1p							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU836 12BE1	PC25 12BE1	12BE1					
2x III: 1p/1u	o0981798	ZATU836					
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	F2219 1 F221A					
6x III: 6u	o0981802	ZATU839					
ZATU840	UNP	F24BF					
1x III: 1u	o0981803	ZATU840					
ZATU841	UNP	F24C0					
2x III: 2u	o0981804	ZATU841					
ZATU842	UNP	F24C1					
1x	o0981805	ZATU842					
ZATU843	UNP	F24C2					
1x III: 1u	o0981806	ZATU843					
ZATU844	UNP	F24C3					
1x IV: 1u	o0981807	ZATU844					
ZATU845	UNP	F24C4					
1x III: 1u	o0981808	ZATU845					
ZATU846	UNP	F24C5					
1x III: 1u	o0981809	ZATU846					
ZATU847 12BE2	PC25 12BE2	12BE2					
6x III: 2p/4u	o0981810	ZATU847					
ZATU848	UNP	F24C6					
1x III: 1u	o0981811	ZATU848					
ZATU849	UNP	F24C7					
2x III: 2u	o0981812	ZATU849					
ZATU850 12BE3	PC25 12BE3	12BE3					
4x III: 4p	o0981813	ZATU850					
ZATU851 12BE4	PC25 12BE4	12BE4 1 F221B					F221B
1x III: 1p	o0981814	ZATU851					
ZATU852	UNP	F24C8					
1x III: 1u	o0981815	ZATU852					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU853 3× III: 3u o0981816	UNP ZATU853	F24C9					
ZATU854 12BE5 1× III: 1p o0981817	PC25 ZATU854	12BE5					
ZATU855 1× III: 1u o0981818	UNP ZATU855	F24CA					
ZATU856 1× III: 1u o0981819	UNP ZATU856	F2522					
ZATU857 1× III: 1u o0981820	UNP ZATU857	F2524					
ZATU858 12BE6 1× III: 1p o0981821	PC25 ZATU858	12BE6					
ZATU859 12BE7 1× III: 1p o0981822	PC25 ZATU859	12BE7					
2(LAGAB~a) 12BE8 4× III: 4p o0981823	PC25	12BE8					
3(LAGAB~a) 12BE9 1× III: 1p o0981824	PC25	12BE9					
4(LAGAB~a) 12BEA 2× III: 2p o0981825	PC25	12BEA					
5(LAGAB~a) o0981826	NUM	F2543					
6(LAGAB~a) 12BEB 1× III: 1p o0981827	PC25	12BEB					
1(N01) 12971× IV: 1467p/317u; III: 9623p/2277u o0981828	ACN	12550					
2(N01) 3138× IV: 608p/168u; III: 1846p/763u o0981829	ACN	12551 F2000					
3(N01) 1630× IV: 340p/78u; III: 904p/438u o0981830	ACN	12552 F2001					
4(N01) 1151× IV: 240p/65u; III: 655p/269u o0981831	ACN	12553					
5(N01) 1326× IV: 263p/66u; III: 815p/267u o0981832	ACN	12554 F2002					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>6(N01)</b> 597x IV: 134p/42u; III: 328p/146u o0981833	ACN	 12555  F2003					
<b>7(N01)</b> 379x IV: 86p/22u; III: 204p/98u o0981834	ACN	 12556  F2004					
<b>8(N01)</b> 364x IV: 66p/29u; III: 217p/80u o0981835	ACN	 12557  F2005					
<b>9(N01)</b> 247x IV: 57p/15u; III: 127p/62u o0981836	ACN	 12558  F2006					
<b>10(N01)</b> 2x III: 2p o0981837	PC25	 F00DA					
<b>1(N01@f)</b> 11x IV: 1p; III: 11p o0981838	ACN	 1264C					
<b>2(N01@f)</b> 3x III: 3p o0981839	ACN	 1264D  F205C					
<b>3(N01@f)</b> 1x o0981840	ACN	 1264E  F205D					
<b>4(N01@f)</b> 1x o0981841	ACN	 1264F					
<b>5(N01@f)</b> 1x III: 1p o0981842	ACN	 12650  F205E					
<b>6(N01@f)</b> 1x IV: 1u o0981843	ACN	 12651  F205F					
<b>7(N01@f)</b> o0981844	ACN	 12652  F2060					
<b>8(N01@f)</b> 1x o0981845	ACN	 12653  F2061					

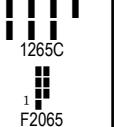
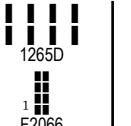
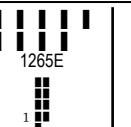
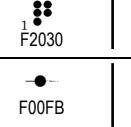
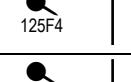
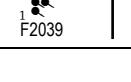
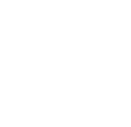
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
9(N01@f)	ACN	12654 1 F2062	12589				
o0981846							
1(N01@r)	ACN		12589				
CDLI:  1(N01@r)  2× IV: 1p; III: 1p	o0981847						
1(N02)	ACN	125BE	125BF				
165× IV: 45p/10u; III: 99p/38u	o0981848 ZATU606		1 F2029				
2(N02)	ACN	125C0 125C1	125C2				
99× IV: 28p/20u; III: 49p/10u	o0981849		1 F202A				
3(N02)	ACN	125C4	125C5				
44× IV: 16p/1u; III: 21p/9u	o0981850		1 F202B				
4(N02)	ACN	125C1	125C3				
30× IV: 3p/4u; III: 22p/1u	o0981851		1 F202C				
5(N02)	ACN	125C4	125C5				
24× IV: 8p/1u; III: 7p/9u	o0981852		1 F202D				
6(N02)	ACN	125C5	125C6				
15× IV: 3p/1u; III: 12p/1u	o0981853		1 F202E				
7(N02)	ACN	125C6	125C7				
5× IV: 2p/1u; III: 2p	o0981854		1 F202F				
8(N02)	ACN	125C7	125C8				
5× IV: 3p; III: 4p	o0981855		1 F202G				
9(N02)	ACN	125C8	125C9				
5× IV: 2p/1u; III: 2p/1u	o0981856		1 F202H				
1(N03)	ACN	125EF	125F0				
68× IV: 2p/1u; III: 63p/2u	o0981857		1 F2036				
2(N03)	ACN	125F0	125F1				
40× IV: 2p; III: 36p/2u	o0981858		1 F2037				
3(N03)	ACN	125F1	125F2				
34× IV: 1p; III: 32p/1u	o0981859						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
4(N03) 19× IV: 1p; III: 17p/2u	ACN o0981860	 125F2					
5(N03)  8× III: 8p	ACN o0981861	 125F3   1 F2038					
1(N04) 145× IV: 2p/1u; III: 120p/22u	ACN o0981862 ZATU618	 12606					
2(N04)  66× IV: 2p; III: 64p/1u	ACN o0981863	 12607   1 F203E					
3(N04)  58× IV: 1p/1u; III: 52p/4u	ACN o0981864	 12608   1 F203F					
4(N04) 36× IV: 1p; III: 32p/2u	ACN o0981865	 12609					
5(N04)  26× IV: 1u; III: 22p/3u	ACN o0981866	 1260A   1 F2040					
1(N04@f)  o0981867	ACN	 12676					
2(N04@f)  o0981868	ACN	 12677   1 F2073					
3(N04@f)  o0981869	ACN	 12678					
4(N04@f)  o0981870	ACN	 12679					
5(N04@f)  o0981871	ACN	 1267A   1 F2074					
1(N05) 104× IV: 10p/1u; III: 79p/11u	ACN o0981872	 12631					
2(N05)  62× IV: 7p/1u; III: 49p/6u	ACN o0981873	 12632   1 F2052					
3(N05)  42× IV: 4p; III: 32p/8u	ACN o0981874	 12633   1 F2053					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
4(N05) 41x IV: 3p; III: 35p/5u	ACN o0981875	12634					
5(N05) 29x IV: 2p; III: 22p/6u	ACN o0981876	12635 1 F2054	 				
1(N06) 10x III: 6p/4u	ACN o0981877	125D1					
2(N06)	ACN o0981878	125D2					
3(N06)	ACN o0981879	125D3					
4(N06)	ACN o0981880	125D4					
5(N06)	ACN o0981881	125D5					
6(N06)	ACN o0981882	125D6					
7(N06)	ACN o0981883	125D7					
8(N06)	ACN o0981884	125D8					
9(N06)	ACN o0981885	125D9					
1(N07A) AKA: 1(N07~a) 15x IV: 15p; III: 15p	ACN o0981886	12646					
2(N07A) AKA: 2(N07~a) 12x IV: 11p; III: 12p	ACN o0981887	12647					
3(N07A) AKA: 3(N07~a) 9x IV: 9p; III: 8p	ACN o0981888	12648					
1(N07B) AKA: 1(N07~b) 4x IV: 4p; III: 4p	ACN o0981889	12649					
2(N07B) AKA: 2(N07~b) 3x IV: 3p; III: 3p	ACN o0981890	1264A					
3(N07B) AKA: 3(N07~b) 3x IV: 2p/1u; III: 2p	ACN o0981891	1264B					
1(N08) 287x IV: 51p/5u; III: 180p/74u	ACN o0981892	12559					
2(N08) 35x IV: 7p; III: 25p/6u	ACN o0981893	1255A					

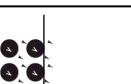
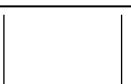
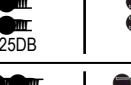
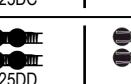
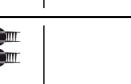
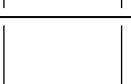
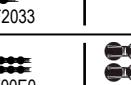
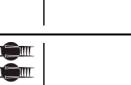
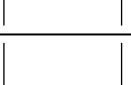
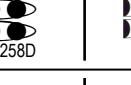
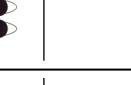
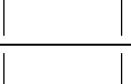
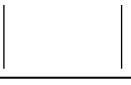
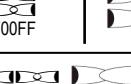
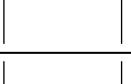
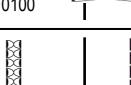
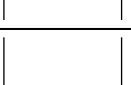
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>3(N08)</b> 31× IV: 2p/1u; III: 19p/11u o0981894	ACN 1255B						
<b>4(N08)</b> 20× IV: 3p; III: 15p/3u o0981895	ACN 1255C F2007						
<b>5(N08)</b> 23× IV: 3p/1u; III: 14p/6u o0981896	ACN 1255D						
<b>6(N08)</b> 10× IV: 1p/1u; III: 8p/1u o0981897	ACN 1255E						
<b>7(N08)</b> 5× III: 4p/1u o0981898	ACN 1255F						
<b>8(N08)</b> 7× III: 7p o0981899	ACN 12560						
<b>9(N08)</b> 3× IV: 1p; III: 3p o0981900	ACN 12561						
<b>1(N08-b)</b> 1× III: 1u o0981901	NUM F00F5						
<b>2(N08-b)</b> 4× III: 1p/3u o0981902	PC25 F00F6						
<b>3(N08-b)</b> 1× III: 1u o0981903	NUM F00F7						
<b>4(N08-b)</b> 1× III: 1u o0981904	NUM F00F8						
<b>4(N08-c)</b> 1× III: 1u o0981905	NUM F00F9						
<b>1(N08-v)</b> 1× III: 1u o0982197	NUM F00FA						
<b>1(N08@f)</b> o0981907	ACN 12655						
<b> 1(N08@f)×1(N57) </b> o0981908	NUM F012C						
<b>1(N09)</b> 18× IV: 18p; III: 18p o0981909	ACN 12643						
<b>1(N11)</b> 4× IV: 4p; III: 4p o0981910	ACN 12644						
<b>1(N12)</b> 1× IV: 1p; III: 1p o0981911	ACN 12645						
<b>1(N14)</b> 2594× IV: 478p/187u; III: 1617p/491u o0981912 ZATU564	ACN 12562						
<b>2(N14)</b> 1375× IV: 276p/91u; III: 812p/293u o0981913	ACN 12563						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
3(N14) 807x IV: 147p/50u; III: 500p/151u o0981914	ACN	 12564					
4(N14) 530x IV: 105p/29u; III: 321p/113u o0981915	ACN	 12565					
5(N14) 386x IV: 32p/19u; III: 243p/77u o0981916	ACN	 12566  F2008	 				
6(N14) 100x IV: 12p/3u; III: 65p/21u o0981917	ACN	 12567  F2009	 				
7(N14) 79x IV: 5p; III: 56p/17u o0981918	ACN	 12568  F200A	 				
8(N14) 72x IV: 5p; III: 63p/4u o0981919	ACN	 12569  F200B	 				
9(N14) 43x IV: 1p; III: 38p/4u o0981920	ACN	 1256A  F200C	 				
10(N14) 2x o0981921	PC25	 F00DB					
11(N14) 1x o0981922	PC25	 F00DC					
12(N14) 1x o0981923	OOR5	 F00DD					
22(N14) 1x o0981924	PC25	 F00DE					
1(N14@f) 1x IV: 1u o0981925	ACN	 12656					
2(N14@f) o0981926	ACN	 12657					
3(N14@f) 2x IV: 1u o0981927	ACN	 12658					
4(N14@f) o0981928	ACN	 12659					
5(N14@f) o0981929	ACN	 1265A  F2063	 				

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>6(N14@f)</b>		ACN						
	o0981930							
<b>7(N14@f)</b>		ACN						
	o0981931							
<b>8(N14@f)</b>		ACN						
	o0981932							
<b>9(N14@f)</b>		ACN						
	o0981933							
<b>10(N14@f)</b>		OOR						
	o0981934							
<b>1(N15)</b> 13× IV: 1p; III: 10p/2u		ACN						
	o0981935							
<b>2(N15)</b>		ACN						
	8× IV: 1p; III: 5p/2u	o0981936						
<b>3(N15)</b>		ACN						
	4× IV: 1p; III: 2p/1u	o0981937						
<b>4(N15)</b>		ACN						
	1× III: 1u	o0981938						
<b>5(N15)</b>		ACN						
	3× III: 3p	o0981939						
<b>1(N16)</b>		ACN						
	9× IV: 1p; III: 8p/1u	o0981940						
<b>1(N17)</b>		ACN						
	1× III: 1p	o0981941						
<b>1(N18)</b> 19× IV: 3p/1u; III: 16p		ACN						
		o0981942						
<b>2(N18)</b>		ACN						
	14× III: 13p/1u	o0981943						
<b>3(N18)</b>		ACN						
	6× III: 6p	o0981944						
<b>4(N18)</b>		ACN						
	2× III: 2p	o0981945						
<b>5(N18)</b>		ACN						
	3× III: 3p	o0981946						

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>6(N18)</b>		ACN	125F9 1 F203A	125FA 1 F203B				
2× IV: 1p; III: 1p	o0981947							
<b>7(N18)</b>		ACN	125FB 1 F203C	125FC 1 F203D				
1× III: 1p	o0981948							
<b>8(N18)</b>		ACN	125FD 1 F203E	125FE 1 F203F				
2× III: 2p	o0981949							
<b>9(N18)</b>		ACN	125FF 1 F203G	125FG 1 F203H				
2× III: 2p	o0981950							
<b>1(N19)</b>		ACN	1260B	1260B				
87× IV: 2p/1u; III: 78p/6u	o0981951							
<b>2(N19)</b>		ACN	1260C	1260C				
81× IV: 4p/1u; III: 70p/6u	o0981952							
<b>3(N19)</b>		ACN	1260D	1260D				
52× IV: 2p; III: 47p/3u	o0981953							
<b>4(N19)</b>		ACN	1260E	1260E				
33× III: 29p/4u	o0981954							
<b>5(N19)</b>		ACN	1260F 1 F2041	1260F 1 F2041				
40× III: 34p/4u	o0981955							
<b>6(N19)</b>		ACN	12610 1 F2042	12610 1 F2042				
20× III: 18p/2u	o0981956							
<b>7(N19)</b>		ACN	12611 1 F2043	12611 1 F2043				
22× IV: 2p; III: 19p/2u	o0981957							
<b>8(N19)</b>		ACN	12612 1 F2044	12612 1 F2044				
16× III: 14p/2u	o0981958							
<b>9(N19)</b>		ACN	12613 1 F2045 2 F2046	12613 1 F2045 2 F2046				
10× III: 9p/1u	o0981959							

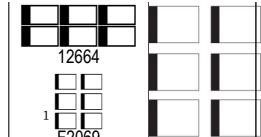
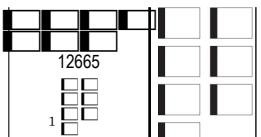
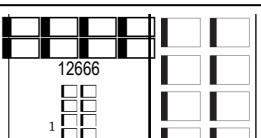
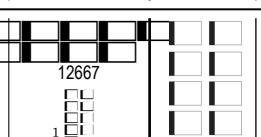
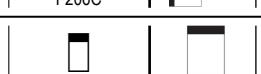
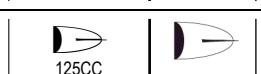
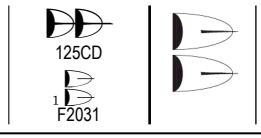
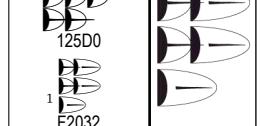
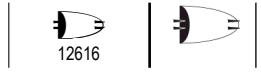
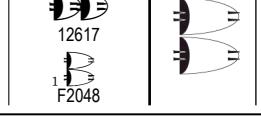
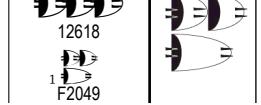
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2(N19@f) o0981961	ACN 1267C						
3(N19@f) o0981962	ACN 1267D						
4(N19@f) o0981963	ACN 1267E						
5(N19@f) o0981964	ACN 1267F 1 F2075						
6(N19@f) o0981965	ACN 12680 1 F2076						
7(N19@f) o0981966	ACN 12681 1 F2077						
8(N19@f) o0981967	ACN 12682 1 F2078						
9(N19@f) o0981968	ACN 12683 1 F2079						
1(N20) 62x IV: 11p; III: 52p/5u o0981969	ACN 12636						
2(N20) 50x IV: 7p/1u; III: 34p/13u o0981970	ACN 12637						
3(N20) 24x IV: 4p; III: 18p/3u o0981971	ACN 12638						
4(N20) 17x IV: 2p; III: 11p/4u o0981972	ACN 12639						
5(N20) 12x IV: 1p; III: 5p/6u o0981973	ACN 1263A 1 F2055						
6(N20) 9x III: 8p/1u o0981974	ACN 1263B 1 F2056						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
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4× IV: 1p; III: 4p	o0981975						
8(N20)	ACN	 1263D   F2058					
6× III: 4p/2u	o0981976						
9(N20)	ACN	 1263E   F2059					
5× IV: 1p; III: 4p	o0981977						
1(N21)	ACN	 125DA  					
	o0981978						
2(N21)	ACN	 125DB  					
5× III: 5p	o0981979						
3(N21)	ACN	 125DC  					
9× III: 8p/1u	o0981980						
4(N21)	ACN	 125DD  					
4× III: 4p	o0981981						
5(N21)	ACN	 125DE   F2033					
2× III: 2p	o0981982						
6(N21)	PC25	 F00E0  					
1× IV: 1p	o0981983						
1(N22)	ACN	 1258C  					
89× IV: 4p; III: 45p/41u	o0981984						
2(N22)	ACN	 1258D  					
56× IV: 2p; III: 31p/23u	o0981985						
1(N22~v)	PC25	 F00FD  					
1× III: 1p	o0981986						
1(N22@f)	ACN	 1266A  					
	o0981987						
2(N22@f)	ACN	 1266B  					
	o0981988						
1(N23)	Pelm	 F00FE  					
2× III: 1p/1u	o0981989						
2(N23)	Pelm	 F00FF  					
1× III: 1p	o0981990						
3(N23)	Pelm	 F0100  					
1× III: 1p	o0981991						
5(N23)	Pelm	 F0101  					
1× IV: 1p	o0981992						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
7(N23)	Pelm						
1x III: 1p	o0981993	F0102					
1(N24)	ACN						
AKA: 1(N24') 1(N24'')		125AA					
357x							
IV: 28p/11u;							
III: 297p/33u	o0981994						
2(N24)	NUM						
	o0981995	F0103					
4(N24)	NUM						
	o0981996	F0104					
6(N24)	NUM						
1x IV: 1u; III: 1p	o0981997	F0105					
1(N24@f)	PC25						
2x III: 2p	o0981998	F0106					
1(N24A)	ACN						
AKA: 1(N24~a)		125EA					
28x III: 28p	o0981999						
1(N24B)	ACN						
AKA: 1(N24~b)		125FE					
18x III: 15p/3u	o0982000						
1(N25)	ACN						
150x		12623					
IV: 5p;							
III: 132p/16u	o0982001						
1(N26)	ACN						
	o0982002	125AB					
45x IV: 9p/1u;							
III: 32p/7u	o0982002						
1(N26B)	ACN						
AKA: 1(N26~b)		125FF					
1x III: 1p	o0982003						
1(N27)	ACN						
	o0982004	12624					
13x IV: 1p; III: 12p	o0982004						
1(N28)	ACN						
91x IV: 17p/1u;		125AC					
III: 79p/6u	o0982005						
1(N28B)	ACN						
AKA: 1(N28~b)		12600					
2x III: 2p	o0982006						
1(N28C)	ACN						
AKA: 1(N28~c)		12625					
38x IV: 1p;							
III: 32p/6u	o0982007						
1(N29A)	ACN						
AKA: 1(N29) 1(N29~a)		125AD					
57x IV: 4p;							
III: 53p/2u	o0982008						
2(N29A)	PC25						
AKA: 2(N29~a)		F0107					
4x III: 4p	o0982009						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>1(N29AB)</b> AKA: 1(N29A~b) 1(N29A~b) 1× III: 1p o0982010	ACN	 12601					
<b>2(N29AB)</b> AKA: 2(N29A~b) 2× III: 2p o0982011	PC25	 F010A					
<b>1(N29AC)</b> AKA: 1(N29A~c) 3× III: 2p/1u o0982012	ACN	 12626					
<b>1(N29B)</b> AKA: 1(N29~b) 6× IV: 2p; III: 5p o0982013	ACN	 125AE					
<b>1(N30A)</b> AKA: 1(N30~a) 52× IV: 3p; III: 49p o0982014	ACN	 125AF  F2028					
<b>1(N30AC)</b> AKA: 1(N30A~c) 4× III: 4p o0982015	ACN	 12627					
<b>1(N30B)</b> AKA: 1(N30~b) 2× III: 2p o0982016	PC25	 F010B					
<b>1(N30C)</b> AKA: 1(N30~c) 47× IV: 1p; III: 44p/3u o0982017	ACN	 125B0					
<b>1(N30CA)</b> AKA: 1(N30C~a) 1(N30C~a) 1× III: 1p o0982018	PC25	 F2537					
<b>1(N30CB)</b> o0982019	NUM	 F010C					
<b>1(N30CC)</b> AKA: 1(N30C~c) 1× III: 1u o0982020	ACN	 12628					
<b>1(N30D)</b> AKA: 1(N30~d) 2× IV: 2p; III: 2p o0982021	ACN	 125B1					
<b>1(N30E)</b> AKA: 1(N30~e) 1× III: 1p o0982022	ACN	 125B2					
<b>1(N31)</b> 3× IV: 1p; III: 3p o0982023	ACN	 125B3					
<b>1(N32)</b> 3× IV: 2p/1u; III: 2p o0982024	ACN	 125B4					
<b>1(N33)</b> 1× IV: 1p; III: 1p o0982025	ACN	 125B5					
<b>1(N34)</b> 1020× IV: 243p/94u; III: 597p/179u o0982026	ACN	 1256B					
<b> 1(N34)×1(N58) </b> 1× III: 1p o0982027	PC25	 F012D					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
2(N34)	ACN	 1256C  F200D					
344x IV: 77p/17u; III: 212p/65u	o0982028						
3(N34)	ACN	 1256D  F200E					
175x IV: 39p/15u; III: 95p/38u	o0982029						
4(N34)	ACN	 1256E					
109x IV: 26p/10u; III: 67p/19u	o0982030						
5(N34)	ACN	 1256F  F200F					
112x IV: 22p/9u; III: 61p/19u	o0982031						
6(N34)	ACN	 12570  F2010					
54x IV: 11p/5u; III: 32p/13u	o0982032						
7(N34)	ACN	 12571  F2011					
28x IV: 5p/4u; III: 16p/7u	o0982033						
8(N34)	ACN	 12572  F2012					
24x IV: 7p/4u; III: 9p/10u	o0982034						
9(N34)	ACN	 12573  F2013					
14x IV: 4p/1u; III: 12p/1u	o0982035						
1(N34@f)	ACN	 1265F					
1x IV: 1p; III: 1p	o0982036						
2(N34@f)	ACN	 12660					
	o0982037						
3(N34@f)	ACN	 12661					
	o0982038						
4(N34@f)	ACN	 12662					
	o0982039						
5(N34@f)	ACN	 12663  F2068					
	o0982040						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
6(N34@f)	ACN						
		o0982041	12664 F2069				
7(N34@f)	ACN						
1x IV: 1p; III: 1p		o0982042	12665 F206A				
8(N34@f)	ACN						
		o0982043	12666 F206B				
9(N34@f)	ACN						
		o0982044	12667 F206C				
1(N34@f@t)	ACN						
CDLI:  1(N34@f@t)		o0982045	12675				
1(N35)	ACN						
5x IV: 2p; III: 3p/1u		o0982046	125CC				
2(N35)	ACN						
1x III: 1p		o0982047	125CD F2031				
3(N35)	ACN						
		o0982048	125CE				
4(N35)	ACN						
		o0982049	125CF				
5(N35)	ACN						
1x III: 1p		o0982050	125DO F2032				
1(N36)	ACN						
43x IV: 4p; III: 33p/9u		o0982051	12616				
2(N36)	ACN						
10x IV: 4p; III: 8p/1u		o0982052	12617 F2048				
3(N36)	ACN						
7x IV: 1p; III: 5p/2u		o0982053	12618 F2049				
4(N36)	ACN						
3x IV: 1p; III: 2p		o0982054	12619				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
5(N36)	ACN	1261A 1 F204A	1261A				
1× IV: 1p; III: 1p	o0982055						
6(N36)	ACN	1261B 1 F204B	1261B				
2× III: 2u	o0982056						
7(N36)	ACN	1261C 1 F204C	1261C				
	o0982057						
8(N36)	ACN	1261D 1 F204D	1261D				
	o0982058						
9(N36)	ACN	1261E 1 F204E	1261E				
2× III: 2p	o0982059						
1(N36@f)	ACN	12686	12686				
	o0982060						
1(N37)	ACN	12641	12641				
6× IV: 1u; III: 4p/1u	o0982061						
2(N37)	ACN	12642 1 F205B	12642				
1× III: 1p	o0982062						
1(N38)	ACN	125DF	125DF				
30× IV: 4p/1u; III: 27p/1u	o0982063						
1(N39A)	ACN	125B6	125B6				
AKA: 1(N39~a) 211× IV: 7p/4u; III: 181p/18u	o0982064						
2(N39A)	ACN	125B7	125B7				
AKA: 2(N39~a) 189× IV: 2p; III: 170p/17u	o0982065						
3(N39A)	ACN	125B8	125B8				
AKA: 3(N39~a) 89× IV: 2p/1u; III: 77p/10u	o0982066						
4(N39A)	ACN	125B9	125B9				
AKA: 4(N39~a) 55× III: 53p/2u	o0982067						

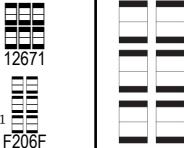
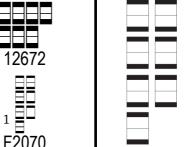
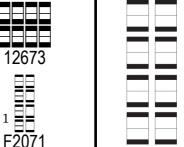
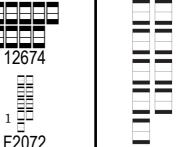
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>1(N39B)</b> AKA: 1(N39~b) 14× IV: 9p/4u; III: 8p o0982068	ACN						
<b>2(N39B)</b> AKA: 2(N39~b) 11× IV: 5p/3u; III: 3p o0982069	ACN						
<b>3(N39B)</b> AKA: 3(N39~b) 5× IV: 3p/1u; III: 2p o0982070	ACN						
<b>4(N39B)</b> AKA: 4(N39~b) 8× IV: 4p/1u; III: 1p o0982071	ACN						
<b>1(N40)</b> 40× III: 39p/1u o0982072	ACN						
<b>2(N40)</b> 36× IV: 1p; III: 35p o0982073	ACN						
<b>3(N40)</b> 27× III: 26p o0982074	ACN						
<b>4(N40)</b> 16× III: 16p o0982075	ACN						
<b>1(N41)</b> 24× IV: 1p; III: 24p o0982076	ACN						
<b>2(N41)</b> 27× III: 27p o0982077	ACN						
<b>3(N41)</b> 20× III: 20p o0982078	ACN						
<b>4(N41)</b> 17× III: 16p/1u o0982079	ACN						
<b>1(N42A)</b> AKA: 1(N42~a) 130× IV: 2p/1u; III: 117p/12u o0982080	ACN						
<b>2(N42A)</b> AKA: 2(N42~a) 89× IV: 1p; III: 78p/6u o0982081	ACN						
<b>3(N42A)</b> AKA: 3(N42~a) 52× IV: 1p; III: 40p/12u o0982082	ACN						
<b>4(N42A)</b> AKA: 4(N42~a) 25× IV: 5p; III: 21p/2u o0982083	ACN						
<b>1(N42B)</b> o0982084	ACN						
<b>2(N42B)</b> AKA: 2(N42~b) 3× IV: 3p; III: 1p o0982085	ACN						

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>3(N42B)</b>		ACN	 1262F					
	o0982086							
<b>4(N42B)</b>		ACN	 12630					
	o0982087							
<b>1(N43)</b>		PC25	 F010D					
3× III: 2p/1u	o0982088							
<b>4(N43)</b>		PC25	 F010E					
1× III: 1p	o0982089							
<b>1(N44)</b>		PC25	 F00E1					
1× IV: 1p	o0982090							
<b>1(N45)</b>		ACN	 12579					
323× IV: 25p/5u; III: 226p/60u	o0982091							
<b>2(N45)</b>		ACN	 1257A  F2017					
137× IV: 8p/3u; III: 92p/32u	o0982092							
<b>3(N45)</b>		ACN	 1257B					
13× IV: 2p; III: 7p/4u	o0982093							
<b>4(N45)</b>		ACN	 1257C					
4× III: 4u	o0982094							
<b>5(N45)</b>		ACN	 1257D  F2018					
6× III: 3p/3u	o0982095							
<b>6(N45)</b>		ACN	 1257E  F2019					
4× III: 3p/1u	o0982096							
<b>7(N45)</b>		ACN	 1257F  F201A					
2× III: 2u	o0982097							
<b>8(N45)</b>		ACN	 12580					
	o0982098							
<b>9(N45)</b>		ACN	 12581  F201B					
1× III: 1p	o0982099							
<b>1(N45@f)</b>		ACN	 12668					
	o0982100							
<b>2(N45@f)</b>		ACN	 12669					
	o0982101							

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
3(N45@f)		OOR						
	o0982102		F00E2					
4(N45@f)		OOR						
	o0982103		F00E3					
5(N45@f)		OOR						
	o0982104		F00E4					
6(N45@f)		OOR						
	o0982105		F00E5					
7(N45@f)		OOR						
	o0982106		F00E6					
8(N45@f)		OOR						
	o0982107		F00E7					
9(N45@f)		OOR						
	o0982108		F00E8					
1(N45A)		ACN						
AKA: 1(N45~a) 1× III: 1p	o0982109		125FD					
1(N46)		ACN						
99× IV: 5p; III: 76p/22u	o0982110		12614					
2(N46)		ACN						
40× IV: 2p; III: 34p/6u	o0982111		12615					
3(N46)		PC25						
1× III: 1p	o0982112		F00E9					
1(N46@f)		ACN						
	o0982113		12684					
2(N46@f)		ACN						
	o0982114		12685					
1(N47)		ACN						
15× IV: 4p/1u; III: 11p	o0982115		1263F					
2(N47)		ACN						
	o0982116		12640					
11× IV: 2p; III: 8p/1u	o0982116							
			1F205A					
3(N47)		OOR						
1× IV: 1u	o0982117		F00EA					
1(N48)		ACN						
105× IV: 33p/9u; III: 54p/20u	o0982118		12574					
2(N48)		ACN						
	o0982119		12575					
45× IV: 11p/10u; III: 23p/4u	o0982119							
			1F2014					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>3(N48)</b> 17× IV: 3p/1u; III: 10p/5u o0982120	ACN 12576 1 F2015	 					
<b>4(N48)</b> 13× IV: 2u; III: 7p/4u o0982121	ACN 12577						
<b>5(N48)</b> 4× IV: 3u; III: 1u o0982122	ACN 12578 1 F2016	 					
<b>6(N48)</b> 2× IV: 2u o0982123	OOR F00EB						
<b>7(N48)</b> 1× IV: 1u o0982124	OOR F00EC						
<b>1(N48@f)</b> o0982125	NUM F010F						
<b>1(N49)</b> 8× IV: 1p; III: 6p/1u o0982126	ACN 1261F						
<b>2(N49)</b> 3× IV: 1p; III: 2p/1u o0982127	ACN 12620 1 F204F	 					
<b>3(N49)</b> 4× IV: 1p; III: 4p o0982128	ACN 12621 1 F2050	 					
<b>4(N49)</b> 2× III: 1p/1u o0982129	ACN 12622						
<b>5(N49)</b> o0982130	OOR F00ED						
<b>1(N50)</b> 82× IV: 1u; III: 42p/36u o0982131	ACN 12582						
<b>2(N50)</b> 35× IV: 3p/1u; III: 19p/13u o0982132	ACN 12583 1 F201C						
<b>3(N50)</b> 22× IV: 1p; III: 16p/6u o0982133	ACN 12584						
<b>4(N50)</b> 23× IV: 1p; III: 15p/8u o0982134	ACN 12585						
<b>5(N50)</b> 9× III: 5p/3u o0982135	ACN 12586 1 F201D	 					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>1(N51)</b> 107× IV: 34p/14u; III: 51p/15u o0982136	ACN	 1259A					
<b>2(N51)</b> 46× IV: 10p/7u; III: 23p/8u o0982137	ACN	 1259B  F201E					
<b>3(N51)</b> 17× IV: 5p/2u; III: 10p/2u o0982138	ACN	 1259C					
<b>4(N51)</b> 11× IV: 2p; III: 6p/4u o0982139	ACN	 1259D					
<b>5(N51)</b> 18× IV: 2p/2u; III: 9p/6u o0982140	ACN	 1259E  F201F					
<b>6(N51)</b> 6× IV: 1u; III: 2p/3u o0982141	ACN	 1259F  F2020					
<b>7(N51)</b> 2× IV: 1p; III: 1p o0982142	ACN	 125A0  F2021					
<b>8(N51)</b> 2× IV: 1p; III: 2p o0982143	ACN	 125A1  F2022					
<b>9(N51)</b> o0982144	ACN	 125A2					
<b>1(N51@f)</b> o0982145	ACN	 1266C					
<b>2(N51@f)</b> o0982146	ACN	 1266D  F206D					
<b>3(N51@f)</b> o0982147	ACN	 1266E					
<b>4(N51@f)</b> o0982148	ACN	 1266F					
<b>5(N51@f)</b> o0982149	ACN	 12670  F206E					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>6(N51@f)</b> o0982150	ACN						
<b>7(N51@f)</b> o0982151	ACN						
<b>8(N51@f)</b> o0982152	ACN						
<b>9(N51@f)</b> o0982153	ACN						
<b>1(N52)</b> 27× IV: 1p/2u; III: 20p/4u o0982154	ACN						
<b>2(N52)</b> 10× III: 10p o0982155	ACN						
<b>3(N52)</b> 4× IV: 1p; III: 2p/1u o0982156	ACN						
<b>4(N52)</b> 2× IV: 1p; III: 1p o0982157	ACN						
<b>5(N52)</b> 1× IV: 1p; III: 1p o0982158	ACN						
<b>6(N52)</b> o0982159	ACN						
<b>7(N52)</b> o0982160	ACN						
<b>8(N52)</b> o0982161	ACN						
<b>9(N52)</b> o0982162	ACN						
<b>3(N53)</b> 1× IV: 1p o0982163	PC25						
<b>1(N54)</b> 18× IV: 7p/1u; III: 4p/7u o0982164	ACN						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
2(N54)	ACN	125A4 1 F2023					
4× IV: 3p; III: 3p	o0982165						
3(N54)	ACN	125A5					
3× IV: 1p; III: 2p	o0982166						
4(N54)	ACN	125A6					
	o0982167						
5(N54)	ACN	125A7 1 F2024	 				
3× III: 3p	o0982168						
1(N55)	PC25	F00EF					
1× IV: 1p	o0982169						
1(N56)	ACN	125A8					
	o0982170						
2(N56)	ACN	125A9 1 F2025	 				
1× III: 1p	o0982171						
1(N57) 12BEC	—	PC25	—	—			
AKA: AŠ 507×			12BEC				
IV: 71p/19u; III: 296p/139u	o0982172	ZATU037					
2(N57) 12BED	=	PC25	12BED	=			
161× IV: 15p/2u; III: 116p/35u	o0982173	ZATU546	1 F2224				
3(N57) 12BEE	≡	PC25	12BEE	≡			
551× IV: 23p/9u; III: 380p/139u	o0982174	ZATU146					
4(N57) 12BEF	≡	PC25	12BEF	≡			
46× IV: 4p/1u; III: 36p/7u	o0982175						
5(N57) 12BF0	≡≡	PC25	12BF0	≡≡			
62× IV: 6p; III: 51p/8u	o0982176						
6(N57) 12BF1	≡≡	PC25	12BF1	≡≡			
21× IV: 2p; III: 16p/3u	o0982177		1 F2225	≡≡			
7(N57) 12BF2	≡≡	PC25	12BF2	≡≡			
9× IV: 1p; III: 7p	o0982178		1 F2226	≡≡			
8(N57) 12BF3	≡≡	PC25	12BF3	≡≡≡≡≡≡			
5× III: 3p/1u	o0982179						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>9(N57)</b> 12BF4 2x III: 2p	≡ o0982180	PC25 12BF4	≡ 12BF4	≡≡			
<b>10(N57)</b> 12BF5 1x III: 1p	≡ o0982181	PC25 12BF5	≡≡≡≡≡≡ 12BF5				
<b>1(N58)</b> 12BF6 AKA: DIŠ 189x IV: 36p/16u; III: 118p/36u	 o0982182	PC25 12BF6 ZATU081	12BF6				
<b>2(N58)</b> 12BF7 11x IV: 4p/1u; III: 6p/2u	 o0982183	PC25 12BF7	 12BF7				
<b>3(N58)</b> 12BF8 9x IV: 4p; III: 4p/3u	 o0982184	PC25 12BF8	 12BF8				
<b>4(N58)</b> 12BF9 4x IV: 2u; III: 1p/1u	 o0982185	PC25 12BF9	 12BF9				
<b>5(N58)</b> 12BFA 2x IV: 2u	 o0982186	PC25 12BFA	 12BFA				
<b>8(N58)</b> 12BFB 1x III: 1u	 o0982187	PC25 12BFB	 12BFB				
<b>9(N58)</b> 12BFC 1x III: 1p	 o0982188	PC25 12BFC	 12BFC				
<b>10(N58)</b> 12BFD 2x III: 2p	 o0982189	PC25 12BFD	 12BFD				
<b>12(N58)</b> 12BFE 1x III: 1p	 o0982190	PC25 12BFE	 12BFE				
<b>1(N58@t)</b> 12BFF AKA: 1(N58)@t CDLI:  1(N58@t)  2x IV: 1p; III: 1p	\ o0982191	PC25 12BFF	\ 12BFF	\			
<b>1(N59)</b> 1x III: 1p		PC25 F0124					
<b>2(N59)</b> 1x III: 1p		PC25 F0125					
<b>3(N59)</b> 18x III: 11p/7u		PC25 F0126					
<b>4(N59)</b> 3x III: 2p/1u		PC25 F0127					
<b>6(N59)</b> 3x III: 3p		PC25 F0128					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
7(N59)	PC25						
1× III: 1p	o0981906	F2536					
1(N60)	ACN						
4× III: 4p	o0982198	125E9					
3(N61)	PC25						
1× III: 1p	o0982199	F0129					
4(N62)	PC25						
1× III: 1p	o0982200	F012A					
1(N63)	NUM						
2× III: 2u	o0982201	F012B					
1(N57).AB <sub>2</sub>	UNP						
1× III: 1u	o0982202	F2290					
2(N57).AB <sub>2</sub>	PC25-sq						
1× IV: 1p; III: 1p	o0982203	ZATU014	F2291		F2291		
3(N57).AMAR	PC25-sq						
2× III: 1p/1u	o0982204	F2292					
4(N57).AMAR	PC25-sq						
1× III: 1p	o0982205	F2293			F2293		
3(N57).AZ	PC25-sq						
3× III: 3p	o0982206	12BEE					
3(N57).BARxUŠ~a	ZERO						
	o0982207	F2294					
3(N57).BARA <sub>3</sub>	UNP						
1× III: 1u	o0982208	F2295					
2(N57).BIR <sub>3</sub> ~a	PC25-sq						
1× III: 1p	o0982209	F2296					
1(N57).BU <sub>3</sub>	PC25-sq						
1× III: 1p	o0982210	12BEC					
1(N57).E <sub>2</sub> ~a	ZERO						
	o0982211	F2297					
3(N57).E <sub>2</sub> ~b	UNP						
1× III: 1u	o0982212	F2221					
3(N57).EN <sub>2</sub>	PC25-sq						
6× III: 6p	o0982213	12BEE					
X(N57).GAR	PC25-sq						
AKA:  N(N57).GAR							
CDLI:  x(N57).GAR							
1× III: 1p	o0982214	F24CB					
3(N57).GAR	PC25-sq						
2× III: 2p	o0982215	F2298					
4(N57).GAR	PC25-sq						
5× III: 5p	o0982216	F2299					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
5(N57).GAR  8x III: 8p	PC25-sq o0982217	 F229A				 F229A	 F229A
6(N57).GAR  4x III: 3p/1u	PC25-sq o0982218	 F229B				 F229B	 F229B
7(N57).GAR  1x	PC25-sq o0982219	 12BF2					
4(N57).KU <sub>3</sub> ~a  11x III: 11p	PC25-sq o0982220	 F229D				 F229D	
5(N57).KU <sub>3</sub> ~a  4x III: 4p	PC25-sq o0982221	 F229E				 F229E	
6(N57).KU <sub>3</sub> ~a  2x III: 2p	PC25-sq o0982222	 F229F				 F229F	
2(N57).KU <sub>6</sub> ~a  1x III: 1p	PC25-sq o0982223	 F22A0					
1(N57).MUŠEN  AKA:  MUŠEN×1(N57)  CDLI:  MUŠEN×1(N57)  5x III: 5p	PC25-sq o0982224	 F22A2  12BEC					
2(N57).MUŠEN  AKA:  MUŠEN×2(N57)  CDLI:  MUŠEN×2(N57)  27x IV: 1p; III: 26p/1u	PC25-sq o0982225	 F22A3  12BED				 F22A3	
3(N57).MUŠEN  AKA:  MUŠEN×3(N57)  CDLI:  MUŠEN×3(N57)  1x III: 1p	PC25-sq o0982226	 F22A4				 F22A4	
3(N57).NUNUZ~a1  23x III: 20p/3u	PC25-sq o0982227	ZATU424	 F22A5				
3(N57).NUNUZ~c  2x III: 1p/1u	PC25-sq o0982228	ZATU424	 F22A6				
3(N57).PIRIG~b1  35x IV: 3p/1u; III: 25p/8u	PC25-sq o0982229	ZATU429	 F22A7		 F22A7	 F22A7	
3(N57).SANGA~a  1x III: 1p	PC25-sq o0982230		 12BEE				
3(N57).SI  2x III: 2p	PC25-sq o0982231		 12BEE				
1(N57).SIG  AKA:  SIG×1(N57)  CDLI:  SIG×1(N57)  1x IV: 1p	PC25-sq o0982232		 F22A8				
2(N57).SU~a  1x IV: 1u	UNP o0982233		 F22A9				
1(N57).ŠAH <sub>2</sub> ~a  4x III: 4p	PC25-sq o0982234		 F22AA		 F22AA	 F22AA	

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
1(N57).ŠUBUR  40x IV: 8p/1u; III: 27p/10u o0982235 ZATU540	PC25-sq 1 F2220	 F221F	 F2220	 F2220		 F2220	
2(N57).ŠUBUR  2x III: 2p o0982236	PC25-sq	 F22AB	 F22AB				
3(N57).ŠUBUR  3x III: 3p o0982237 ZATU540	PC25-sq	 F22AC	 F22AC				
3(N57).UDU~a  o0982238 ZATU577	ZERO	 F22AD					 F22AD
2(N57).UDUNITA~a  o0982239	ZERO	 F22AE					 F22AE
3(N57).UDUNITA~a  o0982240	ZERO	 F22AF					 F22AF

## B ZATU-PCSL Concordance

ZATU001	॥ A	ZATU037	— 1(N57)	ZATU069	↳ DAR~a; ↳ DAR~b;
ZATU002	⊦  A×EN~a	ZATU038	⊦ AZ	ZATU070	⊦ DAR~c; ⊦ DAR~d
ZATU003	⊦  A×ŠUBUR	ZATU039	⊦ AZU	ZATU071	⊦  DARA <sub>3</sub> ~c×KAR <sub>2</sub>  ;
ZATU004	⊦  A×1(N14)	ZATU040	⊦ BA	ZATU072	⊦  DARA <sub>3</sub> ~d×KAR <sub>2</sub> ~b
ZATU005	⊦  A×ZATU672	ZATU041	⊦ BAD	ZATU073	⊦  DARA <sub>3</sub> ~c×(KAR <sub>2</sub> .ŠE~a) ;
ZATU006	⊦ A <sub>2</sub>	ZATU042	⊦  BAD&BAD	ZATU074	ZATU074 DARA <sub>4</sub> +BAD+BAD reread in ATU 3 p.154 W20421,2 = Lú Vorläufer (Tf.23) O0305 as RI <sub>8</sub> ~a? DARA <sub>4</sub> ~b.
ZATU007	⊦ AB~a; ⊦ AB~b	ZATU043	⊦  1(N58).BAD ;	ZATU075	◊ DI
ZATU008	⊦  AB~b×A	ZATU044	⊦  (1(N58).BAD)~b	ZATU076	⊗ DIB
ZATU009	⊦  AB~a×AŠ	ZATU045	⊦  BAHAR <sub>2</sub> ~a ;	ZATU077	⊤ DILMUN
ZATU010	⊦  AB~a×ZATU659	ZATU046	⊦  BAHAR <sub>2</sub> ~b ;	ZATU078	⊦ DIM~a; ⊦ DIM~b;
ZATU011	⊦ AB~a@g	ZATU047	⊦  BAHAR <sub>2</sub> ~c	ZATU079	▷ DIN
ZATU012	⊦ AB <sub>2</sub>	ZATU048	⊦ BAN~a; ⊦ BAN~b	ZATU080	▽ DIN@t
ZATU013	⊦  AB <sub>2</sub> ×2(N14)	ZATU049	⊦  BANŠUR~a ;	ZATU081	▷ 1(N58)
ZATU014	⊦  2(N57).AB <sub>2</sub>	ZATU050	⊦  BANŠUR~b ;	ZATU082	⊦ DU
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.	ZATU051	⊦  BANŠUR~c	ZATU083	⊦ DU <sub>6</sub> ~a; ⊦ DU <sub>6</sub> ~b; ⊦ DU <sub>6</sub> ~c
ZATU015	⊦ ABGAL	ZATU052	⊦  BAPPIR~a; ⊦ BAPPIR~b	ZATU084	⊦ DU <sub>7</sub>
ZATU016	⊦ ABRIG	ZATU053	⊦  BAPPIR~c; ⊦ BAPPIR~d	ZATU085	⊦ DU <sub>8</sub> ~a; ⊦ DU <sub>8</sub> ~b;
ZATU017	⊦ ABZU	ZATU054	⊦  BAPPIR~e; ⊦ BAPPIR~f	ZATU086	⊦ DU <sub>8</sub> ~c;
ZATU018	⊦ AD~a; ⊦ AD~b; ⊦ AD~c	ZATU055	⊦  BAR	ZATU087	⊦  DUB@n~a×1(N58)~a ;
ZATU019	⊦ ADAB	ZATU056	⊦  BAR <sub>2</sub> ~a; ⊦ BAR <sub>2</sub> ~b	ZATU088	⊦  DUB@n~a×1(N58)~b ;
ZATU020	⊦ ADDA	ZATU057	⊦  BAR <sub>3</sub>	ZATU089	⊦  DUB@n~b×1(N58)~a
ZATU021	⊦  NINDA <sub>2</sub> ×(1(N06).HI@g~a)	ZATU058	⊦  BAR <sub>3</sub> ~a; ⊦ BAR <sub>3</sub> ~b	ZATU090	⊦  DUG~a; ⊦ DUG~b
ZATU022	⊦ AGAR <sub>2</sub>	ZATU059	⊦  BAR <sub>3</sub> ~c	ZATU091	⊦  DUG~c; ⊦ DUG~d
ZATU023	⊦ AK~a; ⊦ AK~b	ZATU060	⊦  BU <sub>3</sub>	ZATU092	⊦  DUG~b×ANŠE~b
ZATU024	⊦ AL	ZATU061	⊦  BU <sub>3</sub> ~a	ZATU093	⊦  DUG~b×ANŠE~d
ZATU025	⊦  ALAN~a; ⊦ ALAN~b	ZATU062	⊦  BU <sub>3</sub> ~b	ZATU094	⊦  DUG~b×1(N57) ;
	⊦  ALAN~c; ⊦ ALAN~d	ZATU063	⊦  BU <sub>3</sub> ~c	ZATU095	⊦  DUG~b×1(N57) ;
	⊦  ALAN~e	ZATU064	⊦  BU <sub>3</sub> ~d	ZATU096	⊦  DUG~c×1(N57)
ZATU026	⊦ ALIM	ZATU065	⊦  BUR <sub>2</sub>	ZATU097	⊦  DUG~b×(1(N57).KU <sub>3</sub> ~a)
ZATU027	⊦ AM~a; ⊦ AM~b	ZATU066	⊦  BUR <sub>2</sub> ~a; ⊦ BUR <sub>2</sub> ~b		
ZATU028	⊦ AMA~a; ⊦ AMA~b	ZATU067	⊦  BUR <sub>2</sub> ~c; ⊦ BUR <sub>2</sub> ~d		
ZATU029	⊦ AMAR	ZATU068	⊦  BUR <sub>2</sub> ~e; ⊦ BUR <sub>2</sub> ~f		
ZATU030	⊦  AMAR×TAR~c	ZATU069	⊦  BUR <sub>2</sub> ~g		
ZATU031	* AN	ZATU070	⊦  BUR <sub>2</sub> ~h		
ZATU032	⊦ ANŠE~a; ⊦ ANŠE~b;	ZATU071	⊦  BUR <sub>2</sub> ~i		
	⊦ ANŠE~c; ⊦ ANŠE~e;	ZATU072	⊦  BUR <sub>2</sub> ~j		
	⊦ ANŠE~f	ZATU073	⊦  BUR <sub>2</sub> ~k		
ZATU033	⊦ APIN~a; ⊦ APIN~b;	ZATU074	⊦  BUR <sub>2</sub> ~l		
	⊦ APIN~c	ZATU075	⊦  BUR <sub>2</sub> ~m		
ZATU034	⊦  ARARMA <sub>2</sub> ~a ;	ZATU076	⊦  BUR <sub>2</sub> ~n		
	⊦  ARARMA <sub>2</sub> ~b	ZATU077	⊦  BUR <sub>2</sub> ~o		
ZATU035	⊦  ARATTA	ZATU078	⊦  BUR <sub>2</sub> ~p		
ZATU036	⊦ ASAR	ZATU079	⊦  BUR <sub>2</sub> ~q		
		ZATU080	⊦  BUR <sub>2</sub> ~r		
		ZATU081	⊦  BUR <sub>2</sub> ~s		
		ZATU082	⊦  BUR <sub>2</sub> ~t		
		ZATU083	⊦  BUR <sub>2</sub> ~u		
		ZATU084	⊦  BUR <sub>2</sub> ~v		
		ZATU085	⊦  BUR <sub>2</sub> ~w		
		ZATU086	⊦  BUR <sub>2</sub> ~x		
		ZATU087	⊦  BUR <sub>2</sub> ~y		
		ZATU088	⊦  BUR <sub>2</sub> ~z		
		ZATU089	⊦  BUR <sub>2</sub> ~aa		
		ZATU090	⊦  BUR <sub>2</sub> ~ab		
		ZATU091	⊦  BUR <sub>2</sub> ~ac		
		ZATU092	⊦  BUR <sub>2</sub> ~ad		
		ZATU093	⊦  BUR <sub>2</sub> ~ae		
		ZATU094	⊦  BUR <sub>2</sub> ~af		
		ZATU095	⊦  BUR <sub>2</sub> ~ag		
		ZATU096	⊦  BUR <sub>2</sub> ~ah		
		ZATU097	⊦  BUR <sub>2</sub> ~ai		
		ZATU098	⊦  BUR <sub>2</sub> ~aj		
		ZATU099	⊦  BUR <sub>2</sub> ~ak		
		ZATU100	⊦  BUR <sub>2</sub> ~al		
		ZATU101	⊦  BUR <sub>2</sub> ~am		
		ZATU102	⊦  BUR <sub>2</sub> ~an		
		ZATU103	⊦  BUR <sub>2</sub> ~ao		
		ZATU104	⊦  BUR <sub>2</sub> ~ap		
		ZATU105	⊦  BUR <sub>2</sub> ~aq		
		ZATU106	⊦  BUR <sub>2</sub> ~ar		
		ZATU107	⊦  BUR <sub>2</sub> ~as		
		ZATU108	⊦  BUR <sub>2</sub> ~at		
		ZATU109	⊦  BUR <sub>2</sub> ~au		
		ZATU110	⊦  BUR <sub>2</sub> ~av		
		ZATU111	⊦  BUR <sub>2</sub> ~aw		
		ZATU112	⊦  BUR <sub>2</sub> ~ax		
		ZATU113	⊦  BUR <sub>2</sub> ~ay		
		ZATU114	⊦  BUR <sub>2</sub> ~az		
		ZATU115	⊦  BUR <sub>2</sub> ~ba		
		ZATU116	⊦  BUR <sub>2</sub> ~bb		
		ZATU117	⊦  BUR <sub>2</sub> ~bc		
		ZATU118	⊦  BUR <sub>2</sub> ~bd		
		ZATU119	⊦  BUR <sub>2</sub> ~be		
		ZATU120	⊦  BUR <sub>2</sub> ~bf		
		ZATU121	⊦  BUR <sub>2</sub> ~bg		
		ZATU122	⊦  BUR <sub>2</sub> ~bh		
		ZATU123	⊦  BUR <sub>2</sub> ~bi		
		ZATU124	⊦  BUR <sub>2</sub> ~bj		
		ZATU125	⊦  BUR <sub>2</sub> ~bk		
		ZATU126	⊦  BUR <sub>2</sub> ~bl		
		ZATU127	⊦  BUR <sub>2</sub> ~bm		
		ZATU128	⊦  BUR <sub>2</sub> ~bn		
		ZATU129	⊦  BUR <sub>2</sub> ~bo		
		ZATU130	⊦  BUR <sub>2</sub> ~bp		
		ZATU131	⊦  BUR <sub>2</sub> ~bq		
		ZATU132	⊦  BUR <sub>2</sub> ~bs		
		ZATU133	⊦  BUR <sub>2</sub> ~bt		
		ZATU134	⊦  BUR <sub>2</sub> ~bu		
		ZATU135	⊦  BUR <sub>2</sub> ~bv		
		ZATU136	⊦  BUR <sub>2</sub> ~bw		
		ZATU137	⊦  BUR <sub>2</sub> ~bx		
		ZATU138	⊦  BUR <sub>2</sub> ~by		
		ZATU139	⊦  BUR <sub>2</sub> ~bz		
		ZATU140	⊦  BUR <sub>2</sub> ~ca		
		ZATU141	⊦  BUR <sub>2</sub> ~cb		
		ZATU142	⊦  BUR <sub>2</sub> ~cc		
		ZATU143	⊦  BUR <sub>2</sub> ~cd		
		ZATU144	⊦  BUR <sub>2</sub> ~ce		
		ZATU145	⊦  BUR <sub>2</sub> ~cf		
		ZATU146	⊦  BUR <sub>2</sub> ~cg		
		ZATU147	⊦  BUR <sub>2</sub> ~ch		
		ZATU148	⊦  BUR <sub>2</sub> ~ci		
		ZATU149	⊦  BUR <sub>2</sub> ~cj		
		ZATU150	⊦  BUR <sub>2</sub> ~ck		
		ZATU151	⊦  BUR <sub>2</sub> ~cl		
		ZATU152	⊦  BUR <sub>2</sub> ~cm		
		ZATU153	⊦  BUR <sub>2</sub> ~cn		
		ZATU154	⊦  BUR <sub>2</sub> ~co		
		ZATU155	⊦  BUR <sub>2</sub> ~cp		
		ZATU156	⊦  BUR <sub>2</sub> ~cq		
		ZATU157	⊦  BUR <sub>2</sub> ~cr		
		ZATU158	⊦  BUR <sub>2</sub> ~cs		
		ZATU159	⊦  BUR <sub>2</sub> ~ct		
		ZATU160	⊦  BUR <sub>2</sub> ~cu		
		ZATU161	⊦  BUR <sub>2</sub> ~cv		
		ZATU162	⊦  BUR <sub>2</sub> ~cw		
		ZATU163	⊦  BUR <sub>2</sub> ~cx		
		ZATU164	⊦  BUR <sub>2</sub> ~cy		
		ZATU165	⊦  BUR <sub>2</sub> ~cz		
		ZATU166	⊦  BUR <sub>2</sub> ~da		
		ZATU167	⊦  BUR <sub>2</sub> ~db		
		ZATU168	⊦  BUR <sub>2</sub> ~dc		
		ZATU169	⊦  BUR <sub>2</sub> ~dd		
		ZATU170	⊦  BUR <sub>2</sub> ~de		
		ZATU171	⊦  BUR <sub>2</sub> ~df		
		ZATU172	⊦  BUR <sub>2</sub> ~dg		
		ZATU173	⊦  BUR <sub>2</sub> ~dh		
		ZATU174	⊦  BUR <sub>2</sub> ~di		
		ZATU175	⊦  BUR <sub>2</sub> ~dj		
		ZATU176	⊦  BUR <sub>2</sub> ~dk		
		ZATU177	⊦  BUR <sub>2</sub> ~dl		
		ZATU178	⊦  BUR <sub>2</sub> ~dm		
		ZATU179	⊦  BUR <sub>2</sub> ~dn		
		ZATU180	⊦  BUR <sub>2</sub> ~do		
		ZATU181	⊦  BUR <sub>2</sub> ~dp		
		ZATU182	⊦  BUR <sub>2</sub> ~dq		
		ZATU183	⊦  BUR <sub>2</sub> ~dr		
		ZATU184	⊦  BUR <sub>2</sub> ~ds		
		ZATU185	⊦  BUR <sub>2</sub> ~dt		
		ZATU186	⊦  BUR <sub>2</sub> ~du		
		ZATU187	⊦  BUR <sub>2</sub> ~dv		
		ZATU188	⊦  BUR <sub>2</sub> ~dw		
		ZATU189	⊦  BUR <sub>2</sub> ~dx		
		ZATU190	⊦  BUR <sub>2</sub> ~dy		
		ZATU191	⊦  BUR <sub>2</sub> ~dz		
		ZATU192	⊦  BUR <sub>2</sub> ~ea		
		ZATU193	⊦  BUR <sub>2</sub> ~eb		
		ZATU194	⊦  BUR <sub>2</sub> ~ec		
		ZATU195	⊦  BUR <sub>2</sub> ~ed		
		ZATU196	⊦  BUR <sub>2</sub> ~ee		
		ZATU197	⊦  BUR <sub>2</sub> ~ef		
		ZATU198	⊦  BUR <sub>2</sub> ~eg		
		ZATU199	⊦  BUR <sub>2</sub> ~eh		
		ZATU200	⊦  BUR <sub>2</sub> ~ei		
		ZATU201	⊦  BUR <sub>2</sub> ~ej		
		ZATU202	⊦  BUR <sub>2</sub> ~ek		
		ZATU203	⊦  BUR <sub>2</sub> ~el		
		ZATU204	⊦  BUR <sub>2</sub> ~em		
		ZATU205	⊦  BUR <sub>2</sub> ~en		
		ZATU206	⊦  BUR <sub>2</sub> ~eo		
		ZATU207	⊦  BUR <sub>2</sub> ~ep		
		ZATU208	⊦  BUR <sub>2</sub> ~eq		
		ZATU209	⊦  BUR <sub>2</sub> ~er		
		ZATU210	⊦  BUR <sub>2</sub> ~es		
		ZATU211	⊦  BUR <sub>2</sub> ~et		
		ZATU212	⊦  BUR <sub>2</sub> ~eu		
		ZATU213	⊦  BUR <sub>2</sub> ~ev		
		ZATU214	⊦  BUR <sub>2</sub> ~ew		
		ZATU215	⊦  BUR <sub>2</sub> ~ex		
		ZATU216	⊦  BUR <sub>2</sub> ~ey		
		ZATU217	⊦  BUR <sub>2</sub> ~ez		
		ZATU218	⊦  BUR <sub>2</sub> ~fa		
		ZATU219	⊦  BUR <sub>2</sub> ~fb		
		ZATU220	⊦  BUR <sub>2</sub> ~fc		
		ZATU221	⊦  BUR <sub>2</sub> ~fd		
		ZATU222	⊦  BUR <sub>2</sub> ~fe		
		ZATU223	⊦  BUR <sub>2</sub> ~ff		
		ZATU224	⊦  BUR <sub>2</sub> ~fg		
		ZATU225	⊦  BUR <sub>2</sub> ~fh		
		ZATU226	⊦  BUR <sub>2</sub> ~fi		
		ZATU227	⊦  BUR <sub>2</sub> ~fj		
		ZATU228	⊦  BUR <sub>2</sub> ~fk		
		ZATU229	⊦  BUR <sub>2</sub> ~fl		
		ZATU230	⊦  BUR <sub>2</sub> ~fm		
		ZATU231	⊦  BUR <sub>2</sub> ~fn		
		ZATU232	⊦  BUR <sub>2</sub> ~fo		
		ZATU233	⊦  BUR <sub>2</sub> ~fp		
		ZATU234	⊦  BUR <sub>2</sub> ~fq		
		ZATU235	⊦  BUR <sub>2</sub> ~fr </td		

ZATU094	DUG~b×BALA~a	ZATU130	KUR~a.E₂~a ;  KUR~b.E₂~a	ZATU164	GA₂~a1×1(N57)
ZATU095	DUG~b×BIR₃~c	ZATU131	E₂~a×1(N58@t) ;  E₂~b×1(N58@t)	ZATU165	Only in UET II as BAU328 =  GA₂×(1(N58).BAD) .
ZATU096	DUG~b×DIN	ZATU132	E₃~a;  E₃~b	ZATU166	GA₂~b×DUB~a ;  GA₂~b×DUB~b
ZATU097	DUG~b×GA~a ;  DUG~b×GA~b	ZATU133	EDIN	ZATU167	GA₂~a1×GIR~a
ZATU098	DUG~b×GEŠTU~a ;  DUG~b×GEŠTU~b	ZATU134	EN~a;  EN~b; EN~c;  EN~e	ZATU168	GA₂~a1×GIŠ@t
ZATU099	DUG~b×Gl	ZATU135	NUN~a+EN~a ;  NUN~a+EN~b ;  NUN~a+EN~d ;  NUN~b+EN~a	ZATU169	GA₂~a2×(ŠE₃.GU₄)
ZATU100	DUG~b×GIŠ	ZATU136	ZATU EN+UDU(?) read in CDLI as X in hapax ATU 1, 342=P001563 ATU 5, pl. 104, W 9656,es i 1.	ZATU170	GA₂~a1×HI
ZATU101	DUG~b×HI	ZATU137	EN@g~a;  EN@g~b	ZATU171	GA₂~a1×(HI.SUHUR)
ZATU102	DUG~b×HI@g~a	ZATU138	EN₂	ZATU172	GA₂~a1×KU₃~a ;  GA₂~b×KU₃~a
ZATU103	DUG~a×KASKAL ;  DUG~b×KASKAL	ZATU139	ENDIB	ZATU173	GA₂~a1×KU₆~a ;  GA₂~b×KU₆~a
ZATU104	DUG~a×KU₆~a ;  DUG~b×KU₆~a	ZATU140	ENGIZ	ZATU174	GA₂~a1×(KU₆~a+KU₆~a)
ZATU105	DUG~b×KUR~a ;  DUG~b×KUR~b	ZATU141	ENKUM	ZATU175	LAGAB~b×KUR~e
ZATU106	DUG~a×LAM~b ;  DUG~b×LAM~a	ZATU142	ENLIL	ZATU176	GA₂~a1×MAŠ
ZATU107	DUG~b×KUR@g~a	ZATU143	ERIM~a;  ERIM~b1; ERIM~b2	ZATU177	GA₂~a1×NAGA~a
ZATU108	DUG~b×MAŠ	ZATU144	ERIM₂	ZATU178	GA₂~a2×NI~a ;
ZATU109	DUG~a×NAGA~a ;  DUG~b×NAGA~a	ZATU145	ERIN	ZATU179	GA₂~a1×SUHURI ;  GA₂~a2×SUHURI
ZATU110	DUG~b×SA~a	ZATU146	= 3(N57)	ZATU180	GA₂~a1×SUKUD
ZATU111	DUG~b×(SA~a.GI)	ZATU147	ESDA	ZATU181	GA₂~a1×SUMAŠ
ZATU112	DUG~b×SI₄~a	ZATU148	EŠDA×TAR~a	ZATU182	GA₂~a1×1(N14)
ZATU113	DUG~b×SIG₂~a1 ;  DUG~b×SIG₂~a2	ZATU149	ESGAR	ZATU183	GA₂~a1×U₄
ZATU114	DUG~b×SIG₇	ZATU150	EZEN~a;  EZEN~b; EZEN~b@t;  EZEN~c	ZATU184	GA'AR~a1;  GA'AR~a2; GA'AR~b1;  GA'AR~b2
ZATU115	DUG~b×SUHUR	ZATU151	EZEN~a×EN~a ;  EZEN~a×EN~b	ZATU185	ZATU737×BUR~a
ZATU116	DUG~b×SUKUD~d	ZATU152	EZEN~a×KAB	ZATU186	GADA~a;  GADA~b
ZATU117	DUG~b×ŠAH₂~a	ZATU153	EZEN~a×NIM~b2	ZATU187	GADA~b@g
ZATU118	DUG~b×ŠE~a	ZATU154	EZEN~a×NIMGIR	ZATU188	GAL~a;  GAL~b
ZATU119	DUG~b×(ŠE~a.NAM₂)	ZATU155	EZEN~a×RAD~a	ZATU189	GALGA~a;  GALGA~b
ZATU120	DUG~b×TAK₄~a	ZATU156	EZEN~a×SU~a	ZATU190	GAN~a;  GAN~b; GAN~c
ZATU121	DUG~b×TII	ZATU157	EZEN~a×(U₂~b.A)	ZATU191	GAN~c×(HI.DIN)
ZATU122	DUG~a×U₂~a ;  DUG~a×U₂~b ;  DUG~b×U₂~a ;  DUG~b×U₂~b	ZATU158	EZINU~a;  EZINU~b; EZINU~c;  EZINU~d	ZATU192	GAN~c×LAGAB~b
ZATU123	DUG~b×UH₃~a	ZATU159	GA~a;  GA~b; GA~c	ZATU193	GAN~c×NE~a
ZATU124	DUG~b×ZATU764	ZATU160	GA~c×1(N14)	ZATU194	GAN~c×ŠE~a
ZATU125	DUGUD	ZATU161	GA~a.ZATU753	ZATU195	GAN₂
ZATU126	DUR~a;  DUR~b	ZATU162	GA₂~a1;  GA₂~a2; GA₂~a3;  GA₂~a4; GA₂~b;  GA₂~c	ZATU196	GAR
ZATU127	DUR₂	ZATU163	ZATU762~b×AB~a	ZATU197	GAR@g~a;  GAR@g~b; GAR@g~c
ZATU128	E~a;  E~b;  E~c;  E~d			ZATU198	GAR₃
ZATU129	E₂~a;  E₂~b;  E₂~c; E₂~d			ZATU199	GARA₂~a;  GARA₂~b
				ZATU200	GAZI
				ZATU201	SAL.KUR~a
				ZATU202	GEŠTIN~a;  GEŠTIN~d; GEŠTIN~e
				ZATU203	GEŠTU~a;  GEŠTU~b; GEŠTU~c3;  GEŠTU~c5
				ZATU204	GI
				ZATU205	ATU 1, 28=P001294 ATU 5, pl. 068, W 9579,av read  GI&GI   GI×SIG₂~d1 ;

ZATU206	(GI&GI)×ŠE <sub>3</sub>	ZATU240	GUUKKAL~a; GUUKKAL~b; GUUKKAL~c; GUUKKAL~d	ZATU280	▷ KAK~a; ▷ KAK~b
ZATU207	GI×GIŠ@t	ZATU241	GUUKKAL~a.HI@g~a	ZATU281	KAL~a;  KAL~b1; KAL~b2
ZATU208	GI×LAGAB~a	ZATU242	GUL	ZATU282	KALAM~a;  KALAM~b; KALAM~c;  KALAM~d; KALAM~e;  KALAM~f; KALAM~g; KALAM~h; KALAM~h2
ZATU209	GI×NAM <sub>2</sub>	ZATU243	GUM~a;  GUM~b	ZATU283	KAR
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; KAŠ~d
ZATU213	GI <sub>6</sub>	ZATU247	GURUŠ~a;  GURUŠ~b	ZATU287	KAŠ~c
ZATU214	GIBIL	ZATU248	GURUŠ~a×2(N14) ;  GURUŠ~b×2(N14) ;  GURUŠ~c×2(N14)	ZATU288	KAŠ~b×ŠE~a@t
ZATU215	GIBIL <sub>6</sub>	ZATU249	GURUŠDA	ZATU289	KI
ZATU216	GIR~a;  GIR~b;  GIR~c; GIR~d	ZATU250	HAL	ZATU290	KIB
ZATU217	KU <sub>6</sub> ~d	ZATU251	HALUB	ZATU291	KID~a;  KID~b; KID~c;  KID~d; 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; GIR <sub>3</sub> ~c	ZATU253	HAŠHUR×MA	ZATU293	KIN <sub>2</sub> ~a;  KIN <sub>2</sub> ~b;  KIN <sub>2</sub> ~c; KIN <sub>2</sub> ~d;  KIN <sub>2</sub> ~e
ZATU220	GIR <sub>3</sub> ~a×ŠE~b	ZATU254	HI;  HI~b	ZATU294	KINGAL
ZATU221	GIR <sub>3</sub> @g~a; GIR <sub>3</sub> @g~b;  GIR <sub>3</sub> @g~c	ZATU255	HI×1(N57@t)	ZATU295	KISAL~a1;  KISAL~a2; KISAL~b1;  KISAL~b2; KISAL~b3
ZATU222	GISAL~a;  GISAL~b	ZATU256	HI.SUHUR	ZATU296	KISIM~a;  KISIM~b; KISIM~c
ZATU223	GIŠ	ZATU257	HI×ZATU707~a	ZATU297	KIŠ
ZATU224	(GIŠ×(DIN.DIN))~a ;  (GIŠ×(DIN.DIN))~b ;  (GIŠ×(DIN.DIN))~c	ZATU258	HI@g~a;  HI@g~b; HI@g~c	ZATU298	KIŠIK~a;  KIŠIK~b
ZATU225	(GIŠ×ŠU <sub>2</sub> )~a ;  (GIŠ×ŠU <sub>2</sub> )~b	ZATU259	I	ZATU299	KITI
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	ILDUM~a;  ILDUM~b	ZATU303	KU <sub>6</sub> ~a+KU <sub>6</sub> ~a
ZATU230	GIŠIMMAR~a1; GIŠIMMAR~a2; GIŠIMMAR~a3; GIŠIMMAR~b1; GIŠIMMAR~b2; GIŠIMMAR~b3	ZATU264	IM~a;  IM~b	ZATU304	KUR~a;  KUR~b; KUR~c;  KUR~d
ZATU231	GIZZAL~v	ZATU265	IN~b	ZATU305	KUŠU <sub>2</sub> ~a;  KUŠU <sub>2</sub> ~b; KUŠU <sub>2</sub> ~c;  KUŠU <sub>2</sub> ~d; 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; IR~d	ZATU307	LA <sub>2</sub>
ZATU234	GU <sub>4</sub>	ZATU268	IR <sub>11</sub>	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; 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×HII
ZATU239	GUG <sub>2</sub> ×TUR	ZATU273	KA~a×SAR~a		
		ZATU274	KA~a.ŠE~a		
		ZATU275	KA <sub>2</sub> ~a;  KA <sub>2</sub> ~b; KA <sub>2</sub> ~c		
		ZATU276	KA <sub>2</sub> ~d×LAM~b		
		ZATU277	KAB		
		ZATU278	KAB×1(N58)		
		ZATU279	KAD <sub>4</sub> ~a;  KAD <sub>4</sub> ~b; KAD <sub>4</sub> ~c1;  KAD <sub>4</sub> ~c2		

ZATU313	LAGAB~a×KU <sub>6</sub> ~a	ZATU353	MAR~b×(LAGAB~b.ŠE <sub>3</sub> )	ZATU390	NAR
ZATU314	LAGAB~a×KUŠU <sub>2</sub> ~a@t	ZATU354	MAR~b×ŠE~a	ZATU391	NE~a;  NE~b;
ZATU315	LAGAB~a×ME~a	ZATU355	MAŠ	ZATU392	NE~c;  NE~d
ZATU316	LAGAB~a×NUN~b	ZATU356	ZATU  MAŠ+GAN <sub>2</sub>   read as MAŠ GAN <sub>2</sub> in CDLI-tc	ZATU393	NERGAL~v
ZATU317	LAGAB~a×PA~a ;  LAGAB~b×PA~a	ZATU357	MAŠ <sub>2</sub>	ZATU394	NI~a;  NI~b
ZATU318	LAGAB~a×ŠA	ZATU358	ME~a;  ME~b	ZATU395	NI~a@g See new copy of ATU 1, 143 in P001212=ATU 5, pl. 054, W 9335,i.
ZATU319	LAGAB~a×ŠITA~a1	ZATU359	ME <sub>3</sub>	ZATU396	NI <sub>2</sub>
ZATU320	LAGAB~a×2(N14)	ZATU360	MEN~a;  MEN~b	ZATU397	NIGIN
ZATU321	LAGAB~a×ZATU753	ZATU361	MES	ZATU398	NIM~a;  NIM~b1;
ZATU322	LAGAB×ZATU766 ; collation on P004228 o i 4b suggests not all of LAGAB is present; read X in CDLI-tc	ZATU362	MIR~a;  MIR~b	ZATU399	NIM~b2;  NIM~b3;
ZATU323	LAGAR~a; LAGAR~b1; LAGAR~b2;  LAGAR~c	ZATU363	MU	ZATU400	NIM~d
ZATU324	LAHTAN <sub>2</sub>	ZATU364	MUD	ZATU401	NIMGIR
ZATU325	LAL <sub>2</sub> ~a;  LAL <sub>2</sub> ~b	ZATU365	MUD <sub>3</sub> ~a;  MUD <sub>3</sub> ~b; MUD <sub>3</sub> ~c;  MUD <sub>3</sub> ~d	ZATU402	NIN
ZATU326	LAL <sub>2</sub> ~a×EZEN~a	ZATU366	MUD <sub>3</sub> ~a@g	ZATU403	NINDA <sub>2</sub>
ZATU327	LAL <sub>3</sub> ~a;  LAL <sub>3</sub> ~b	ZATU367	MUL	ZATU404	NINDA <sub>2</sub> ×BA
ZATU328	LAM~a;  LAM~b	ZATU368	MUN~a1;  MUN~a2; MUN~a3;  MUN~a4; MUN~b	ZATU405	NINDA <sub>2</sub> ×EZEN~b
ZATU329	KUR@g~a;  KUR@g~b; LAM~b@s	ZATU369	MUNŠUB~a; MUNŠUB~b	ZATU406	NINDA <sub>2</sub> ×(AN.ME~a) ;  NINDA <sub>2</sub> ×(HI.AN.ME~a) ;  NINDA <sub>2</sub> ×(HI.ME~a) ;
ZATU330	LI	ZATU370	MUNU <sub>3</sub>	ZATU407	NINDA <sub>2</sub> ×GUDU <sub>4</sub>
ZATU331	LIŠ	ZATU371	MURUB <sub>2</sub>	ZATU408	NINDA <sub>2</sub> ×HI
ZATU332	LU <sub>2</sub>	ZATU372	ZATU MURUB <sub>2</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	ZATU409	NINDA <sub>2</sub> ×MAR~a ;
ZATU333	LU <sub>2</sub> ×GEŠTU~c3	ZATU373	MUŠ	ZATU410	NINDA <sub>2</sub> ×MAR~b
ZATU334	LUGAL	ZATU374	MUŠ <sub>3</sub> ~a;  MUŠ <sub>3</sub> ~b	ZATU411	NINDA <sub>2</sub> ×U <sub>4</sub>
ZATU335	LUM	ZATU375	MUŠ <sub>3</sub> ~a@g	ZATU412	EZEN~b×6(N57) ;
ZATU336	MA	ZATU376	MUŠEN	ZATU413	NINDA <sub>2</sub> ×1(N01) ;
ZATU337	MA×A	ZATU377	MUŠEN.UR <sub>3</sub> ~b2	ZATU414	NINDA <sub>2</sub> ×2(N01) ;
ZATU338	MA×MA	ZATU378	NA~a;  NA~b;  NA~c; NA~d	ZATU415	NINDA <sub>2</sub> ×1(N08)
ZATU339	MA <sub>2</sub>	ZATU379	NA <sub>2</sub> ~a;  NA <sub>2</sub> ~b1; NA <sub>2</sub> ~b2;  NA <sub>2</sub> ~c	ZATU416	ZATU570  NESAG <sub>2</sub> ~a;
ZATU340	MAGUR~a;  MAGUR~b	ZATU380	NAB	ZATU417	NESAG <sub>2</sub> ~a2; NESAG <sub>2</sub> ~b
ZATU341	MAH~a;  MAH~b	ZATU381	NAGA~a;  NAGA~b	ZATU418	NU
ZATU342	MAH~a×GUKKAL~a	ZATU382	NAGAR~a;  NAGAR~b	ZATU419	NU@g
ZATU343	MAH~a×KU <sub>6</sub> ~a ;  MAH~b×KU <sub>6</sub> ~a	ZATU383	NAM~a;  NAM~b; NAM~c;  NAM~d	ZATU420	NU <sub>11</sub>
ZATU344	MAH~a×MAŠ ;  MAH~b×MAŠ	ZATU384	NAM <sub>2</sub>	ZATU421	NUMUN <sub>2</sub>
ZATU345	MAH~b×SAL	ZATU385	NAM <sub>2</sub> ×1(N01)	ZATU422	NUN~a;  NUN~b;
ZATU346	MAH~a×(SILA <sub>3</sub> ~a×UMBIN~a)	ZATU386	NAM <sub>2</sub> @g	ZATU423	NUN~c;  NUN~d
ZATU347	MAH~a×TUG <sub>2</sub> ~a	ZATU387	NAMEŠDA	ZATU424	NUNUZ~a0;  NUNUZ~a1;
ZATU348	MAH~a×UD <sub>5</sub> ~a	ZATU388	NANNA~a; NANNA~b	ZATU425	NUNUZ~a2;  NUNUZ~b1;
ZATU349	MAH~a×UDU~a	ZATU389	AB~a×KU <sub>6</sub> ~a ; NANSE~a;  NANSE~b	ZATU426	NUNUZ~b2;  NUNUZ~c
ZATU350	MAH~a×UR~a			ZATU427	3(N57).NUNUZ~a1 ;
ZATU351	MAH~a×UTUA~a			ZATU428	3(N57).NUNUZ~c1
ZATU352	MAR~a;  MAR~b				

ZATU425		ZATU460, ZATU472	ZATU494	
ZATU426				
ZATU427				
ZATU428		ZATU461	ZATU495	
ZATU429		ZATU462, ZATU469	ZATU496	
ZATU430		ZATU463	ZATU497	
ZATU431		ZATU464	ZATU498	
ZATU432		ZATU465	ZATU499	
ZATU433		ZATU466	ZATU500	
ZATU434		ZATU467	ZATU501	
ZATU435		ZATU468	ZATU502	
ZATU436		ZATU469 see ZATU462	ZATU503	
ZATU437		ZATU470	ZATU504	
ZATU438		ZATU471	ZATU505	Delete, W 14777,e = P002181 now read GAL~a ŠAB~a AL.
ZATU439		ZATU472 see ZATU460	ZATU506	
ZATU440		ZATU473	ZATU507	
ZATU441		ZATU474	ZATU508	
ZATU442		ZATU475	ZATU509	
ZATU443		ZATU476	ZATU510	
ZATU444		ZATU477	ZATU511	
ZATU445		ZATU478	ZATU512	
ZATU446		ZATU479 Delete, W 16012,b+ = P002571 now read UDU ŠITA.	ZATU513	
ZATU447		ZATU480	ZATU514	
ZATU448		ZATU481	ZATU515	
ZATU449		ZATU482	ZATU516	
ZATU450		ZATU483	ZATU517	Delete, W 17586 = P002625 now read as 1(N01) KU3.
ZATU451		ZATU484	ZATU518	
ZATU452		ZATU485	ZATU519	
ZATU453		ZATU486	ZATU520	
ZATU454		ZATU487	ZATU521	
ZATU455		ZATU488	ZATU522	
ZATU456		ZATU489	ZATU523	
ZATU457		ZATU490	ZATU524	
ZATU458		ZATU491	ZATU525	
ZATU459		ZATU492	ZATU526	
		ZATU493	ZATU527	

ZATU528	ŠITA~a1×ŠU	ZATU562	TUR	ZATU597	URU~a1;  URU~a2;
ZATU529	ŠITA~a1×KAK~a	ZATU563	TUR <sub>3</sub> ~a;  TUR <sub>3</sub> ~b;		URU~b1;  URU~b2;
ZATU530	ŠITA@g~a;  ŠITA@g~b		TUR <sub>3</sub> ~c		URU~c
ZATU531	ŠITA@g~a×1(N04)	ZATU564	1(N14)	ZATU598	JRU~a1×AMAR
ZATU532	ŠU	ZATU565	U <sub>2</sub> ~a;  U <sub>2</sub> ~b;  U <sub>2</sub> ~c	ZATU599	JRU~a3×KALAM~a
ZATU533	ŠU@g	ZATU566	U <sub>4</sub>	ZATU600	JRU~a1×NIMGIR
ZATU534	ŠU <sub>2</sub>	ZATU567	KI@nxDUB~a	ZATU601	JRU~a1×1(N57) ;
ZATU535	ŠU <sub>2</sub> .E <sub>2</sub> ~a ;   ŠU <sub>2</sub> .E <sub>2</sub> ~b	ZATU568	U <sub>4</sub> .ŠU <sub>2</sub>		JRU~a2×1(N58)
ZATU536	ŠU <sub>2</sub> .EN~a ;  ŠU <sub>2</sub> .EN~b	ZATU569	U <sub>4</sub> ×1(N01)	ZATU602	URUDU~a;  URUDU~c;
ZATU537	ŠU <sub>2</sub> .U <sub>4</sub>   in ATU 206 read as AB <sub>2</sub> in P001387=ATU 5 pl.80, W 9655.o.	ZATU570	see ZATU416		URUDU~d
ZATU538	ŠU <sub>12</sub>	ZATU571	U <sub>8</sub>	ZATU603	URUDU@g~a; URUDU@g~b; URUDU@g~c; URUDU@g~d
ZATU539	ŠUBUR	ZATU572	UB		
ZATU540	1(N57).ŠUBUR ;  3(N57).ŠUBUR	ZATU573	UBI~a;  UBI~c; UBI~d	ZATU604	UŠ~a;  UŠ~b
ZATU541	ŠUM	ZATU574	UD <sub>5</sub> ~a;  UD <sub>5</sub> ~b; UD <sub>5</sub> ~c	ZATU605	UŠ~b×TAR~c
ZATU542	ŠUNIGIN taken as DA in CDLI.	ZATU575	UDU~a;  UDU~b; UDU~c	ZATU606	1(N02)
ZATU543	ŠUR <sub>2</sub> ~a;  ŠUR <sub>2</sub> ~b; ŠUR <sub>2</sub> ~c	ZATU576	UDU~a×TAR~a ;  UDU~a×TAR~b	ZATU607	UŠUMGAL
ZATU544	ŠURUPPAK~a; ŠURUPPAK~b	ZATU577	3(N57).UDU~a	ZATU608	UŠUR <sub>3</sub> ~b1;  UŠUR <sub>3</sub> ~b2
ZATU545	TA~a;  TA~b; TA~c;  TA~d; TA~e	ZATU578	UDUNITA~a; UDUNITA~b; UDUNITA~c	ZATU609	UTUA~a;  UTUA~b
ZATU546	= 2(N57)	ZATU579	UH <sub>3</sub> ~a;  UH <sub>3</sub> ~b	ZATU610	UTUL~a;  UTUL~b; UTUL~c;  UTUL~d
ZATU547	TAG~a1;  TAG~a2; TAG~a3;  TAG~a4; TAG~b;  TAG~c; TAG~d	ZATU580	UKKIN~a;  UKKIN~b; UKKIN~c;  UKKIN~d	ZATU611	UZ~a
ZATU548	TAK <sub>4</sub> ~a;  TAK <sub>4</sub> ~c	ZATU581	UMBIN~a;  UMBIN~b1; UMBIN~b2;  UMBIN~c	ZATU612	ZA~v
ZATU549	TAR~a	ZATU582	UMUN <sub>2</sub>	ZATU613	ZABALAM~a; ZABALAM~b
ZATU550	TE	ZATU583	UNUG~a;  UNUG~b; UNUG~c	ZATU614	SILA <sub>3</sub> ~a×NUN~b
ZATU551	TI	ZATU584	UNUG~a×A@t	ZATU615	ZAG~a;  ZAG~b; ZAG~c
ZATU552	TIDNUM	ZATU585	UNUG~a@s	ZATU616	ZAR~a;  ZAR~b1; ZAR~b2;  ZAR~c
ZATU553	TILLA <sub>2</sub>	ZATU586	UR~a;  UR~b;  UR~c	ZATU617	ZI~a;  ZI~b;  ZI~d
ZATU554	TU~a;  TU~b; TU~c	ZATU587	UR~a@g	ZATU618	1(N04)
ZATU555	TUG <sub>2</sub> ~a;  TUG <sub>2</sub> ~b; TUG <sub>2</sub> ~c;  TUG <sub>2</sub> ~d	ZATU588	UR <sub>2</sub>	ZATU619	ZUBI~a;  ZUBI~b
ZATU556, ZATU558	TUG <sub>2</sub> ~a.BAD&BAD	ZATU589	UR <sub>2</sub> ×1(N57)	ZATU620	ZATU620
ZATU557	TUG <sub>2</sub> ~a@g	ZATU590	UR <sub>2</sub> ×TAR~c	ZATU621	ZATU621~a; ZATU621~b; ZATU621~c; ZATU621~d
ZATU558	see ZATU556	ZATU591	UR <sub>3</sub> ~a1;  UR <sub>3</sub> ~a2; UR <sub>3</sub> ~a3;  UR <sub>3</sub> ~b1; UR <sub>3</sub> ~b2;  UR <sub>3</sub> ~d2	ZATU622	ZATU622
ZATU559	Damaged, identification uncertain, possibly KAB.	ZATU592	UR <sub>4</sub> ~a;  UR <sub>4</sub> ~b;  UR <sub>4</sub> ~c	ZATU623	ZATU623
ZATU560	TUM~a;  TUM~b; TUM~c;  TUM~d	ZATU593	UR <sub>5</sub> ~a;  UR <sub>5</sub> ~b	ZATU624	ZATU624~a; ZATU624~b; ZATU624~c
ZATU561	TUN <sub>3</sub> ~a;  TUN <sub>3</sub> ~b; TUN <sub>3</sub> ~c	ZATU594	URI	ZATU625	ZATU625
		ZATU595	URI <sub>3</sub> ~a;  URI <sub>3</sub> ~b	ZATU626	ZATU626~a; ZATU626~b; ZATU626~c
		ZATU596	URI <sub>3</sub>	ZATU627	ZATU627

ZATU628	ZATU628~a; ZATU628~b	ZATU674	ZATU674	ZATU706	ZATU706
ZATU629	ZATU629	ZATU675	ZATU675~a; ZATU675~b; ZATU675~c; ZATU675~d	ZATU707	ZATU707~a; ZATU707~b
ZATU630	ZATU630	ZATU676	ZATU676~a; ZATU676~b	ZATU708	ZATU708
ZATU631	ZATU631	ZATU677	ZATU677~a; ZATU677~b	ZATU709	ZATU709
ZATU632	ZATU632~a; ZATU632~b;  ZATU632~c	ZATU678	ZATU678	ZATU710	ZATU710
ZATU633	ZATU633~a; ZATU633~b	ZATU679	ZATU679	ZATU711	ZATU711
ZATU634	ZATU634	ZATU680	ZATU680~a1; ZATU680~a2; ZATU680~b; ZATU680~d; ZATU680~e	ZATU712	ZATU711×HI@g~a
ZATU635	ZATU635	ZATU681	ZATU681	ZATU713	ZATU713
ZATU636	ZATU636	ZATU682	ZATU682	ZATU714	ZATU714
ZATU637	ZATU637	ZATU683	ZATU683~a; ZATU683~b	ZATU715	ZATU714×HI@g~a
ZATU639	ZATU639	ZATU684	ZATU684	ZATU716	ZATU714.RU
ZATU640	ZATU640	ZATU685	ZATU685	ZATU717	ZATU717
ZATU641	ZATU641	ZATU686	ZATU686~a; ZATU686~b;  ZATU686~c	ZATU718	ZATU718
ZATU642	ZATU642	ZATU687	ZATU687	ZATU719	ZATU719
ZATU643	ZATU643	ZATU688	ZATU688~a; 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; ZATU694~c;  ZATU694~d; ZATU694~e	ZATU726	ZATU726~a; ZATU726~c; ZATU726~d
ZATU650	ZATU650	ZATU695	ZATU695	ZATU727	ZATU727
ZATU651	ZATU651	ZATU696	ZATU696	ZATU728	ZATU728
ZATU652	ZATU651×AN	ZATU697	ZATU697~a; ZATU697~b; ZATU697~c	ZATU729	ZATU729
ZATU653	ZATU651×EN~a	ZATU698	DU <sub>8</sub> ~c@g	ZATU730	ZATU730
ZATU654	ZATU651×GAR	ZATU699	ZATU699~a; 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;  ZATU735~b; ZATU735~c
ZATU658	ZATU651@g	ZATU703	ZATU703	ZATU736	ZATU736~a; 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 ;  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; ZATU749~b; ZATU749~c
ZATU672	ZATU672			ZATU750	ZATU750

ZATU751		ZATU784		ZATU823	
ZATU752		ZATU785		ZATU824	
ZATU753		ZATU786		ZATU825	
ZATU754		ZATU787		ZATU826	
ZATU755		ZATU788		ZATU827	Vacat.
ZATU756		ZATU789		ZATU828	Vacat.
ZATU757		ZATU790	Vacat.	ZATU829	
ZATU758		ZATU791		ZATU830	Vacat.
ZATU759		ZATU792		ZATU831	
ZATU760	ZATU759×KU6~a ;  ZATU759×KU6~d	ZATU793	Vacat.	ZATU832	
ZATU761		ZATU794	Vacat.	ZATU833	
ZATU762		ZATU795		ZATU834	
ZATU763	ZATU762~a×NIM~a	ZATU796	Vacat.	ZATU835	
ZATU764		ZATU797		ZATU836	
ZATU765		ZATU798		ZATU837	
ZATU766		ZATU799		ZATU838	
ZATU767		ZATU800		ZATU839	
ZATU768		ZATU801		ZATU840	
ZATU769		ZATU802		ZATU841	
ZATU770	Damaged; ATU 833 = ATU 1, 442 = P001011 ATU 5, pl. 034, W 9071,h; excluded from CDLI list.	ZATU803		ZATU842	
ZATU771		ZATU804		ZATU843	
ZATU772		ZATU805		ZATU844	
ZATU773		ZATU806		ZATU845	
ZATU774		ZATU807		ZATU846	
ZATU775		ZATU808		ZATU847	
ZATU776		ZATU809		ZATU848	
ZATU777		ZATU810		ZATU849	
ZATU778		ZATU811		ZATU850	
ZATU779		ZATU812		ZATU851	
ZATU780		ZATU813		ZATU852	
ZATU781		ZATU814		ZATU853	
ZATU782		ZATU815		ZATU854	
ZATU783		ZATU816	Vacat.	ZATU855	
		ZATU817		ZATU856	
		ZATU818		ZATU857	
		ZATU819		ZATU858	
		ZATU820		ZATU859	
		ZATU821			
		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, =.

×(N57).GAR	>  X(N57).GAR	EZEN~a×(HI.1(N57).AN)	=  EZEN~a×(HI×1(N57).AN)
AMAR×TAR	=  AMAR×TAR~c	EZEN~ax(HI.1(N57).AN)	>  EZEN~a×(HI×1(N57).AN)
AMAR×TAR	>  AMAR×TAR~c	EZEN~b@t	> EZEN~b@t
AMAR@g	> AMAR@g	GA <sub>2</sub> ~a×E <sub>2</sub> ~a	=  GA <sub>2</sub> ~a1×E <sub>2</sub> ~a
APIN	= APIN~a	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)
AŠ	= 1(N57)	GA <sub>2</sub> ~a1×((SUKUD&SUKUD)~a)	>  GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~a)
BU~a.DU <sub>6</sub> ~a	=  BU~a+DU <sub>6</sub> ~a	GA <sub>2</sub> ~a1×(SUKUD&SUKUD)~a	=  GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~a)
BU~a&BU~a).NA <sub>2</sub> ~a@n	=  (BU~a%BU~a).NA <sub>2</sub> ~a@n	GA <sub>2</sub> ~a1×((SUKUD&SUKUD)~b)	>  GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~b)
BU~a&BU~a).NA <sub>2</sub> ~a@n	>  (BU~a%BU~a).NA <sub>2</sub> ~a@n	GA <sub>2</sub> ~a1×(SUKUD&SUKUD)~b	=  GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~b)
BU <sub>3</sub> ~a	= BU <sub>3</sub>	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> )
DARA <sub>3</sub> ~d×KAR <sub>2</sub>	>  DARA <sub>3</sub> ~d×KAR <sub>2</sub> ~b	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> )
DARA <sub>3</sub> ~d×KAR <sub>2</sub>	=  DARA <sub>3</sub> ~d×KAR <sub>2</sub> ~b	GA <sub>2</sub> ~a2×NIM~b1	=  GA <sub>2</sub> ~a1×NIM~b1
DIN+1(N57)	=  DIN×1(N58)	GA <sub>2</sub> ~a2×NIM~b1	>  GA <sub>2</sub> ~a1×NIM~b1
DIŠ	= 1(N58)	GABURRA	=  ZATU737×BUR~a
DU×DIŠ	=  DU×1(N58@t)	( GI+&GI)×ŠE <sub>3</sub>	>  ( GI&GI)×ŠE <sub>3</sub>
DU×DIŠ	>  DU×1(N58@t)	GI+A	=  GI×A
DU <sub>6</sub> ~a×DIŠ	=  DU <sub>6</sub> ~a×1(N58)	GI×1(N58)@t	=  GI×1(N58@t)
DU <sub>6</sub> ~a×DIŠ	>  DU <sub>6</sub> ~a×1(N58)	GI×1(N58)@t	>  GI×1(N58@t)
DU <sub>6</sub> @g~c	= DU <sub>6</sub> ~c@g	Gl <sub>6</sub> ~a	= Gl <sub>6</sub>
(DUB×DIŠ)~a	=  (DUB@n~a×1(N58))~a	GIR <sub>3</sub> ~c×KAR <sub>2</sub>	=  GIR <sub>3</sub> ~c×KAR <sub>2</sub> ~b
(DUB×DIŠ)~a	>  (DUB@n~a×1(N58))~a	GIR <sub>3</sub> ~c×KAR <sub>2</sub>	>  GIR <sub>3</sub> ~c×KAR <sub>2</sub> ~b
(DUB×DIŠ)~b	=  DUB@n~b×1(N58)~a	GIR <sub>3</sub> ~c@g	= GIR <sub>3</sub> @g~c
(DUB×DIŠ)~b	>  DUB@n~b×1(N58)~a	GIŠ×ŠU <sub>2</sub> ~a	=  (GIŠ×ŠU <sub>2</sub> )~a
(DUB×DIŠ)~c	=  (DUB@n~a×1(N58))~b	GIŠ×ŠU <sub>2</sub> ~a	>  (GIŠ×ŠU <sub>2</sub> )~a
(DUB×DIŠ)~c	>  (DUB@n~a×1(N58))~b	GIŠ×ŠU <sub>2</sub> ~b	=  (GIŠ×ŠU <sub>2</sub> )~b
*DUG~b+SA~a+GI	>  DUG~b×(SA~a.GI)	GIŠ×ŠU <sub>2</sub> ~b	>  (GIŠ×ŠU <sub>2</sub> )~b
DUG~b&(DUG~b×1(N58))	=  (DUG~b&DUG~b)×1(N58)	GIŠ~x	> GIŠ~v
DUG~b@r×DIN	=  (DUG~b×DIN)@r	GIZZAL~x	> GIZZAL~v
E <sub>2</sub>	= E <sub>2</sub> ~a	GU~a	= GU
E <sub>2</sub> ~a×1(N57)@t	=  E <sub>2</sub> ~a×1(N58@t)	GU <sub>4</sub> .ZATU755~a	=  GU <sub>4</sub> .ZATU755~b
E <sub>2</sub> ~a×1(N57)@t	>  E <sub>2</sub> ~a×1(N58@t)	GU <sub>4</sub> .ZATU755~a	>  GU <sub>4</sub> .ZATU755~b
E <sub>2</sub> ~b×1(N57)@t	=  E <sub>2</sub> ~b×1(N58@t)	*GU <sub>4</sub> +1N58	>  GU <sub>4</sub> ×1(N58)
E <sub>2</sub> ~b×1(N57)@t	>  E <sub>2</sub> ~b×1(N58@t)	GUG <sub>2</sub> ~a	= GUG <sub>2</sub>
EN	= EN~a	GURUŠDA~a	= GURUŠDA
EN~a+NUN~b	=  NUN~b+EN~a	HI×1(N01)F	>  HI×1(N01@f)
EN~a×NUN~a	=  NUN~a+EN~a	HI×1(N57)@t	=  HI×1(N57@t)
EN <sub>2</sub> ×E <sub>2</sub> ~b	=  EN <sub>2</sub> .E <sub>2</sub> ~b	HI×1(N57)@t	>  HI×1(N57@t)
EŠDA×TAR	=  EŠDA×TAR~a	( HI×1(N57))&( HI+1(N57))	>  ( HI×1(N57)).( HI×1(N57))
EŠDA×TAR	>  EŠDA×TAR~a	HI~a	= HI
EZEM~b×AN	= BAD <sub>3</sub> ~b2	HI@g	= HI@g~a
EZEM~c	= EZEN~b@t	HI~a@g	= HI@g~a
EZEN~c	= EZEN~b@t	IB~a@n	> IB~a@n
EZEN~a+a+KI	=  EZEN~a×KI	KA <sub>2</sub> ~d×LAM	=  KA <sub>2</sub> ~d×LAM~b

KA₂×LAM	>  KA₂~d×LAM~b	SAG×(UKKIN~b×1(N57))	=  SAG+UKKIN~b×1(N57)
KASKAL@g	> KASKAL@g	*SAL.ZATU751~a	>  SAL.ZATU751~a
KAŠ~b×ŠE~a	=  KAŠ~b×ŠE~a@t	*SAL+ZATU751~b	>  SAL.ZATU751~b
KAŠ~b×ŠE~a	>  KAŠ~b×ŠE~a@t	*SAL+ZATU751~c	>  SAL.ZATU751~c
KAŠ~b@t	> KAŠ~b@t	SIG×1(N57)	=  1(N57).SIG
KI~a	= KI	SIG×1(N57)	>  1(N57).SIG
KI@n+DUB~a	=  KI@n×DUB~a	SIG₂~a	= SIG₂~a1
KISAL~b2@t	> KISAL~b2@t	SIG₂~b.SIG₂~b	=  SIG₂~b&SIG₂~b
KUR@g~a	> KUR@g~a	SIG₂~b.SIG₂~b	>  SIG₂~b&SIG₂~b
KUR@g~b	> KUR@g~b	SILA₃~a+GARA₂~a	=  SILA₃~a×GARA₂~a
LA	= LA~b	SILA₃~a+KAŠ~a	=  SILA₃~a×KAŠ~a
LAGAB~a×DU₆~b	=  LAGAB~a×DU₆~a	SILA₃~a+MUD₃~b	=  SILA₃~a×MUD₃~b
LAGAB~a×DU₆~b	>  LAGAB~a×DU₆~a	SILANITA~a	= SILANITA
LAGAB~a×KUŠU₂~b	=  LAGAB~a×KUŠU₂~a@t	SUG₅~a	= SUG₅
LAGAB~a×KUŠU₂~b	>  LAGAB~a×KUŠU₂~a@t	SUHUR~a	= SUHUR
LAGAB~b+LAGAB~b	=  LAGAB~b&LAGAB~b	SUHUR@n	> SUHUR@n
LAGAB~b×LAGAB~b	=  LAGAB~b&LAGAB~b	SUKUD@g~d	> SUKUD@g~d
LAGAB~b×(HI×N04)	=  LAGAB~b×(HI×1(N04))	SUM~a@t	> SUM~a@t
LAGAB~b×LAGAB~b	>  LAGAB~b&LAGAB~b	ŠA₃~b1	= ŠA₃~a2
LAM~b@t	> LAM~b@t	ŠE~a×NAM₂	=  ŠE~a.NAM₂
LUKUR	=  SAL.ME~a	ŠITA~a	= ŠITA~a1
MAR@g~a	= MAR~a@g	ŠITA~b1×HI@g~a	=  ŠITA~b2@g×HI@g~a
MAŠNITA	= MAŠ₂	ŠITA~b1×HI@g~a	>  ŠITA~b2@g×HI@g~a
MUD₃@g	= MUD₃~a@g	ŠU₂.((HI+1(N57))+(HI+1(N57)))	=  ŠU₂.(HI×1(N57))&(HI×1(N57))
MUŠEN×1(N57)	=  1(N57).MUŠEN	ŠU₂.((HI+1(N57))+(HI+1(N57)))	>  ŠU₂.(HI×1(N57))&(HI×1(N57))
MUŠEN×1(N57)	>  1(N57).MUŠEN	ŠU₂+AN	=  ŠU₂.AN
MUŠEN×2(N57)	=  2(N57).MUŠEN	ŠU₂.AN	=  ŠU₂.AN
MUŠEN×2(N57)	>  2(N57).MUŠEN	ŠU₂×AN	=  ŠU₂.1(N24)
MUŠEN×3(N57)	=  3(N57).MUŠEN	ŠU₂×1(N24)	=  ŠU₂.1(N24)
MUŠEN×3(N57)	>  3(N57).MUŠEN	ŠU₂×3(N57)	=  ŠU₂×3(N57)
1(N58).BAD~a	>  1(N58).BAD	TE~a	= TE
1(N58).BAD~a	=  1(N58).BAD	TI~a	= TI
BAD+DIŠ~a	=  1(N58).BAD	TUG₂~a.(BAD&BAD)	>  TUG₂~a.BAD&BAD
1(N58).BAD~b	=  (1(N58).BAD)~b	TUKU	= KAB
1(N58).BAD~b	>  (1(N58).BAD)~b	TUKU+DIŠ	=  KAB×1(N58)
NA	= NA~a	TUR₃~a@n	> TUR₃~a@n
NAGA	= NAGA~a	U₄.(1(N14).3(N08))	>  U₄.1(N14).3(N08)
NERGAL~x	> NERGAL~v	U₄.(1(N14).4(N08))	>  U₄.1(N14).4(N08)
NINDA₂×(HI+ME~a)	=  NINDA₂×(HI.ME~a)	U₄.(1(N14).5(N08))	>  U₄.1(N14).5(N08)
NINDA₂×(HI@g~a.1(N06))	=  NINDA₂×(1(N06).HI@g~a)	U₄.(1(N14).8(N08))	>  U₄.1(N14).8(N08)
NINDA₂×(HI@g~a.1(N06))	>  NINDA₂×(1(N06).HI@g~a)	( U₄+1(N14)).1(N08)	=  U₄.1(N14).1(N08)
NINDA₂×((UDU~a+TAR)~b)	=  NINDA₂×(UDU~a×TAR~b)	U₄×(X(N01))	>  U₄×N(N01)
NINDA₂×((UDU~a×TAR)~a)	=  NINDA₂×(UDU~a×TAR~a)	U₄×1(N01)+1(N24)	=  U₄×(1(N01).1(N24))
NINDA₂×((UDU~a×TAR)~a)	>  NINDA₂×(UDU~a×TAR~a)	U₄×1(N01)F	>  U₄×1(N01@f)
NISAG~a3	= NESAG₂~a2	U₄×2(N01).(2(N14).1(N08))	>  U₄×2(N01).2(N14).1(N08)
NU₁₁@t	> NU₁₁@t	U₄×(1(N14).3(N01)).(1(N14).4(N08))	=  U₄×(1(N14).3(N01)).1(N14).4(N08)
NUNUZ~a1@n	= NUNUZ~a0	U₄×1(N58)@t	=  U₄×1(N58@t)
NUNUZ~a1@t	> NUNUZ~a1@t	U₄×1(N58)@t	>  U₄×1(N58@t)
PAP@t	= PAP~a@t	( U₈×TAR)~b	>  U₈×TAR~b
RAD~a@t	> RAD~a@t	UDU	= UDU~a
RU~a	= RU	( UDU~a×TAR)~a	>  UDU~a×TAR~a
RU@t	> RU@t	( UDU~a×TAR)~b	>  UDU~a×TAR~b
SAG+GEŠTU~a	=  SAG×GEŠTU~a	JUET₂.405	> BAU405
SAG+NAM₂	=  SAG×NAM₂	UR	= UR~a

UR~a×KAR <sub>2</sub>	=  UR~a×KAR <sub>2</sub> ~b	1(N29A~b)	= 1(N29AB)
UR~a×KAR <sub>2</sub>	>  UR~a×KAR <sub>2</sub> ~b	2(N29A~b)	= 2(N29AB)
UR <sub>2</sub> ×TAR	=  UR <sub>2</sub> ×TAR~c	1(N29A~c)	= 1(N29AC)
UR <sub>2</sub> ×TAR	>  UR <sub>2</sub> ×TAR~c	1(N30~a)	= 1(N30A)
URU~a1+1(N58)	=  URU~a2×1(N58)	1(N30~b)	= 1(N30B)
URU~a1@n	> URU~a1@n	1(N30~c)	= 1(N30C)
ZA~x	> ZA~v	1(N30~d)	= 1(N30D)
ZABALA~a	= ZABALAM~a	1(N30~e)	= 1(N30E)
ZATU659×1(N58)@t	=  ZATU659×1(N58@t)	1(N30A~c)	= 1(N30AC)
ZATU659×1(N58)@t	>  ZATU659×1(N58@t)	1(N30C~a)	= 1(N30CA)
ZATU683@t	> ZATU683@t	1(N30C~c)	= 1(N30CC)
ZATU737×ŠITA@g~a	>  ZATU737×ŠITA~b1@g	1(N34@f@t)	> 1(N34@f@t)
ZATU741	=  ZATU737×GAR	1(N39~a)	= 1(N39A)
ZATU831@g	> ZATU831@g	2(N39~a)	= 2(N39A)
1(N01@r)	> 1(N01@r)	3(N39~a)	= 3(N39A)
1(N07~a)	= 1(N07A)	4(N39~a)	= 4(N39A)
2(N07~a)	= 2(N07A)	1(N39~b)	= 1(N39B)
3(N07~a)	= 3(N07A)	2(N39~b)	= 2(N39B)
1(N07~b)	= 1(N07B)	3(N39~b)	= 3(N39B)
2(N07~b)	= 2(N07B)	4(N39~b)	= 4(N39B)
3(N07~b)	= 3(N07B)	1(N42~a)	= 1(N42A)
1(N24')	= 1(N24)	2(N42~a)	= 2(N42A)
1(N24")	= 1(N24)	3(N42~a)	= 3(N42A)
1(N24~a)	= 1(N24A)	4(N42~a)	= 4(N42A)
1(N24~b)	= 1(N24B)	2(N42~b)	= 2(N42B)
1(N26~b)	= 1(N26B)	1(N45~a)	= 1(N45A)
1(N28~b)	= 1(N28B)	1(N58)@t	= 1(N58@t)
1(N28~c)	= 1(N28C)	1(N58@t)	> 1(N58@t)
1(N29)	= 1(N29A)	2(N57).DU <sub>6</sub> ~a@n	= X <sub>2</sub>
1(N29~a)	= 1(N29A)	N(N57).GAR	=  X(N57).GAR
2(N29~a)	= 2(N29A)	8(N57).NI~b	>  NI~b×8(N57)
1(N29~b)	= 1(N29B)		

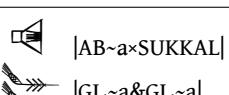
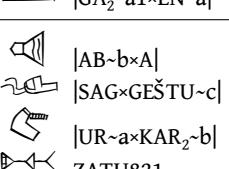
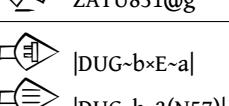
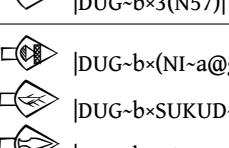
## D PCSL Non-PC25

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> ~x~BA
P002261	IM 023435,12	Uruk III	Uruk	-	ZATU815
P002264	IM 023435,19	Uruk III	Uruk	-	(GI&GI)~x~ŠE <sub>3</sub>
P002269	IM 023435,10	Uruk III	Uruk	-	NINDA <sub>2</sub> ~x~(UDU~a~TAR~b)  NUMUN <sub>2</sub>
P002464	IM 023445,03	Uruk III	Uruk	-	ŠITA@g~a~x~1(N04)
					LA~c
P002571	IM 023449,1	Uruk III	Uruk	-	ŠITA~a~1~x~UDU~a   ŠITA~a~1~x~1(N06)
P002624	IM —	Uruk III	Uruk	-	(GI&GI)~x~ŠE <sub>3</sub>
P002697	IM 046011+	Uruk III	Uruk	-	NUMUN <sub>2</sub>
P002741	IM 045991	Uruk III	Uruk	-	EZEN~a~x~SAG
P002758	IM 045978	Uruk III	Uruk	-	ZATU805
					GAN~c~NE~a   GAN~c~x~ŠE~a   GAN~c~x~ŠE~a@t
P002874	IM 045912	Uruk III	Uruk	-	NESAG <sub>2</sub> ~b@t
					GA <sub>2</sub> ~a~1~x~NAGA~a   GAN~c~x~ŠE~a   SILA <sub>3</sub> ~d~x~NI~a
P002891	IM 046146	Uruk III	Uruk	-	SIG <sub>2</sub> ~b~x~1(N14)
P003081	IM —	Uruk IV	Uruk	-	KAD <sub>4</sub> ~c1 KAD <sub>4</sub> ~c2
P003082	IM —	Uruk IV	Uruk	-	ALAN~d
P003096	IM —	Uruk IV	Uruk	-	LAM~b@S
P003098	IM 133643	Uruk IV	Uruk	-	

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)   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)
P003492	IM 067375	Uruk IV	Uruk	-	MAGUR~b
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   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 UDU~b
P004128	IM 074216	Uruk III	Uruk	-	DUG~a×KASKAL   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

CDLI	MusNo	Time	Place	Pub	Missing
P004228	IM 074288	Uruk IV	Uruk	-	KA <sub>2</sub> ~C  LAL <sub>2</sub> ~a×EZEN~a
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~SE~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 ZATU761
P004414	IM 074344	Uruk IV	Uruk	-	EZEN~a×EN~a  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  GAN~c×SE~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  NA~d
P006029	MS 2387	Uruk III	Umma	-	ZATU821 ZATU837~a
P006034	MS 2392	Uruk III	Umma	-	ZATU825

CDLI	MusNo	Time	Place	Pub	Missing
P006035	MS 2393	Uruk III	Umma	-	 UH ZATU826
P006040	MS 2427	Uruk III	Umma	-	  PIRIG~b1×UR <sub>2</sub>   ZATU821  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   GI <sub>4</sub> ~a&GI <sub>4</sub> ~a  NUNUZ~a1@t  ZATU825
P006057	MS 2440	Uruk III	uncertain	-	 ZATU824 ZATU831
P006058	MS 2441	Uruk III	Umma	-	 ZATU821
P006061	MS 2444	Uruk III	Umma	-	  A×AB <sub>2</sub>   ZATU852  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   SAG×GEŠTU~c   UR~a×KAR <sub>2</sub> ~b  ZATU821
P006068	MS 2501	Uruk III	uncertain	-	 ZATU831@g
P006070	MS 2503/1	Uruk III	Umma	-	  DUG~b×E~a   DUG~b×3(N57)
P006071	MS 2503/2	Uruk III	Umma	-	  DUG~b×(NI~a@g.ZATU779)   DUG~b×SUKUD~d   DUG~b×ZATU707~a

CDLI	MusNo	Time	Place	Pub	Missing
P006072	MS 2504	Uruk III	Umma	-	ZATU821
P006077	MS 2509	Uruk III	Umma	-	NUNUZ~a1@t
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	-	URU~a1@n 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 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 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 ZATU837~b
P006251	MS 2965	Uruk III	Umma	-	ZATU840
P006254	MS 2997	Uruk III	Umma	-	ZATU841

CDLI	MusNo	Time	Place	Pub	Missing
P006255	MS 2998	Uruk III	Umma	-	  BU~a×1(N58)
P006262	MS 3008	-	uncertain		 EN~e  TUR <sub>3</sub> ~a@n
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  ZATU737×I
P006278	MS 3886	Uruk III	Umma	-	 SUM~a@t 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  ZATU844
P006289	MS 4486	Uruk III	Umma	-	 ZATU845 ZATU846
P006290	MS 4487	Uruk III	Umma	-	  (SUKUD+SUKUD)~d
P006291	MS 4488	Uruk III	Umma	-	  GA <sub>2</sub> ~a1×NIM~b1   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  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 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 ZATU849

CDLI	MusNo	Time	Place	Pub	Missing
P006319	MS 4539	Uruk III	Umma	-	BU~a~GIŠ@t
P006323	MS 4543	Uruk III	Umma	-	TA~d~MAŠ
P006324	MS 4551	Uruk III	Umma	-	GUG₂~ŠITA~a₁   MAH~b~MAŠ
P006326	MS 4557	Uruk III	Umma	-	GA₂~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  ŠU₂~³(N57)  UR₃~d₂
P252182	MS 3171	-	uncertain		GA₂~b~NUN~b   LAGAB~b~(HI~¹(N04))   ŠUR₂~c
P252184	MS 3173	Uruk III	uncertain	-	AŠ₂
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		AB₂@g
P342533	MW 0188/041	-	uncertain		LAGAB~a~LA₂~a  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	-	SILA₃~d~NI~a
P512554	Anon. 512554	Uruk III	uncertain	-	KAB~¹(N58)  ZATU853
P518361	Kress 301	Uruk III	uncertain	-	U₄~(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						
	o0980016	F2404					
AMAR@g	PC25-bk						
CDL:  AMAR@g  1× IV: 1p	o0980057	F240B					
(BU~a&BU~a).X	PC25-bk						
1× IV: 1p	o0980124	F240F					
DU <sub>8</sub> ~c×X	ZERO						
	o0980198	F2411					
DUG~b×(KUR~a.X)	PC25-bk						
1× III: 1p	o0980243	F2415					
DUG~b×(SI <sub>4</sub> ~a.X)	PC25-bk						
1× III: 1p	o0980254	F2417					
DUG~b×X	PC25-bk	 1 	 F20BC				
128× IV: 3p/3u; III: 110p/14u	o0980272	F20BB					
EZEN~a×X	PC25-bk						
2× IV: 1p; III: 1u	o0980349	F241F					
GA~a×X	ZERO						
	o0980360	F24F7					
GA <sub>2</sub> ~a2×X	PC25-bk						
1× III: 1p	o0980410	F2428					
GA <sub>2</sub> ~a3×X	PC25-bk						
1× IV: 1p; III: 1p	o0980413	F2429					
GAN~c×X	PC25-bk						
3× IV: 1p; III: 2p/1u	o0980447	F242E					
GI×X	UNP						
1× IV: 1u	o0980480	F2432					
(GI&GI)×X	ZERO						
	o0980486	F2434				F2434	
IRHAN	PC25-bk						
1× III: 1p	o0980617	ZATU269	F243D				
LAGAB~a×X	PC25-bk	 1 					
3× IV: 1p; III: 2p	o0980749	F2121 F2122					
MAH~a×X	PC25-bk						
7× IV: 5p; III: 6p/1u	o0980823	F2454			F2454		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
MAR~b×X  2× III: 2p	PC25-bk o0980837	F2457	F2457	F2457			
MUŠEN×X  o0980875	ZERO	F2458	F2458			F2458	
NI~b×X  1× IV: 1p; III: 1p	PC25-bk o0980922	F245C	F245C	F245C			
NINDA <sub>2</sub> ×(AN.X)  1× III: 1p	PC25-bk o0980938	F245D	F245D	F245D			
NINDA <sub>2</sub> ×(HI.X)  1× III: 1p	PC25-bk o0980949	F245F	F245F				
NINDA <sub>2</sub> ×(U <sub>4</sub> .X)  1× III: 1u	UNP o0980957	F2460	F2460				
NINDA <sub>2</sub> ×X  12× IV: 2p/1u; III: 4p/5u	PC25-bk o0980960	F2463	F2463		F2463		
SILA <sub>3</sub> ~a×X  17× IV: 7p/5u; III: 10p/2u	PC25-bk o0981125	F2470	F2470		F2470		
U <sub>4</sub> ×X  2× III: 1p/1u	PC25-bk o0981350	F247F	F247F				
U <sub>4</sub> ×(X+2(N01))  1× III: 1u	UNP o0981351	F2480	F2480				
U <sub>4</sub> ×2(N01)  14× III: 13p/1u	PC25-bk o0981355	F2481	F2481		F2481	F2481	
U <sub>4</sub> ×N(N01)  CDLI:  U <sub>4</sub> ×(X(N01))  1× III: 1u	UNP o0981368	F2484	F2484				
UKKIN~b×X  1× III: 1p	PC25-bk o0981421	F2488	F2488				
URU~a1×X  2× IV: 1p; III: 2p	PC25-bk o0981471	F248C	F248C	F248C			
ZATU640 1× IV: 1p; III: 1p	PC25-bk o0981556	ZATU640 F2493	ZATU640 F2493		F2493		
ZATU650 1× IV: 1p	PC25-bk o0981567	ZATU650 F2495	ZATU650 F2495		F2495		
ZATU651×X  2× III: 2p	PC25-bk o0981575	F2496	F2496				
ZATU670 1× IV: 1p; III: 1p	PC25-bk o0981591	ZATU670 F2498	ZATU670 F2498		F2498		
ZATU704 3× IV: 2p; III: 1p	PC25-bk o0981645	ZATU704 F249C	ZATU704 F249C		F249C		
ZATU711×X  1× IV: 1p; III: 1p	PC25-bk o0981655	F249D	F249D		F249D		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU714×X  2× IV: 1p; III: 1u o0981660	PC25-bk	 F249E					
ZATU724 3× IV: 1p; III: 3p o0981668	PC25-bk	 F249F		 F249F	 F249F		
ZATU733 1× III: 1u o0981678	UNP	 F24A0					
ZATU737×X  14× III: 12p/2u o0981704	PC25-bk	 F24A2		 F24A2			
ZATU759×X  2× IV: 1p; III: 2p o0981725	PC25-bk	 F24A4					
ZATU759@t×X  1× III: 1p o0981726	PC25-bk	 F24A5					
ZATU768 1× IV: 1p o0981736	PC25-bk	 F24A7			 F24A7		
ZATU769 1× III: 1p o0981737	PC25-bk	 F24A8			 F24A8		
ZATU771 1× IV: 1p o0981738	PC25-bk	 F24A9			 F24A9		
ZATU785 1× III: 1p o0981753	PC25-bk	 F24AB					
ZATU817 1× IV: 1p; III: 1p o0981781	PC25-bk	 F24B0			 F24B0		
ZATU818 1× IV: 1p; III: 1p o0981782	PC25-bk	 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 set is largely the same as that in Appendix B.

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
AxAB <sub>2</sub>		UNP						
3x III: 3u	o0980001		F2400					
A@t		UNP						
1x III: 1u	o0980008		F2401					
AB~a×KU <sub>6</sub> ~a		ZERO						
	o0980013	ZATU389	F2402					
AB~a×SUKKAL		UNP						
3x III: 3u	o0980014		F2403					
AB~a×1(N01)		ZERO						
	o0980018		F2405					
AB~b×A		UNP						
1x III: 1u	o0980022	ZATU008	F2406					
AB~b×KU <sub>6</sub> ~a		UNP						
1x III: 1u	o0980023		F2407					
AB~b×ŠA <sub>3</sub> ~a1		UNP						
1x III: 1u	o0980024		F2408					
AB <sub>2</sub> @g		UNP						
1x	o0980027		F2525					
ADDA@t		ZERO						
	o0980036		F2409					
ALAN~d		UNP						
1x IV: 1u	o0980044	ZATU025	F240A					
AŠ <sub>2</sub>		UNP						
1x III: 1u	o0980074		F240C					
BAR×URI <sub>3</sub> ~a		NOT						
	o0980103		F252C					F252C
BAR×UŠ~a		NOT						
	o0980104		F253D					F253D
((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						
1x III: 1u	o0980121		F240D					
BU~a×1(N58)		UNP						
1x III: 1u	o0980122		F240E					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DAR~d	UNP						
1x III: 1u	o0980150 ZATU069	F2410					
DU <sub>6</sub> ~a@n	ZERO						
	o0980187	F2539					
DUB~b@r	UNP						
1x IV: 1u	o0980202	F252A					
DUG~a×KASKAL	UNP						
1x III: 1u	o0980214 ZATU103	F2412					
DUG~a×LAM~b	UNP						
1x III: 1u	o0980216 ZATU106	F2413					
DUG~b×E~a	UNP						
1x III: 1u	o0980231	F2414					
DUG~b×(NI~a@g.ZATU779)	UNP						
1x III: 1u	o0980250	F2416					
DUG~b×SUKUD~d	UNP						
1x III: 1u	o0980259 ZATU116	F252B					
DUG~b×ZATU707~a	UNP						
1x III: 1u	o0980273	F2418					
DUG~b×3(N57)	UNP						
1x III: 1u	o0980281	F2419					
E~d	UNP						
1x IV: 1u	o0980295 ZATU128	F241A					
E <sub>2</sub> ~a×3(N58)	UNP						
1x III: 1u	o0980299	F241B					
EN~c&EN~c	UNP						
1x IV: 1u	o0980313	F241C					
EN~e	UNP						
1x	o0980314 ZATU134	F241D					
EZEN~a×EN~a	UNP						
1x IV: 1u	o0980335 ZATU151	F2420					
EZEN~a×SAG	UNP						
1x III: 1u	o0980345	F241E					
GA <sub>2</sub> ~a1×EN~a	UNP						
4x III: 3u	o0980368	F2527					
GA <sub>2</sub> ~a1×(HI.SUHUR)	UNP						
1x IV: 1u	o0980379 ZATU171	F2421					
GA <sub>2</sub> ~a1×NAGA~a	UNP						
1x III: 1u	o0980385 ZATU177	F2422					
GA <sub>2</sub> ~a1×NIM~b1	UNP						
AKA:  GA <sub>2</sub> ~a2×NIM~b1							
CDLI:  GA <sub>2</sub> ~a2×NIM~b1							
1x III: 1u	o0980386	F2423					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~a)  AKA:  GA <sub>2</sub> ~a1×(SUKUD&SUKUD)~a  CDLI:  GA <sub>2</sub> ~a1×((SUKUD&SUKUD)~a)  1× IV: 1u o0980393	UNP	 F2424					
GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~b)  AKA:  GA <sub>2</sub> ~a1×(SUKUD&SUKUD)~b  CDLI:  GA <sub>2</sub> ~a1×((SUKUD&SUKUD)~b)  1× III: 1u o0980394	UNP	 F2425					
GA <sub>2</sub> ~a2×NI~b  1× III: 1u o0980406 ZATU178	UNP	 F2427					
GA <sub>2</sub> ~a2×3(N57)  1× III: 1u o0980411	UNP	 F2542					
GA <sub>2</sub> ~b×KU <sub>3</sub> ~a  1× III: 1u o0980418 ZATU172	UNP	 F242A					
GA <sub>2</sub> ~b×NUN~b  1× o0980420	UNP	 F252E					
GADA~b 1× IV: 1u; III: 1p o0980428 ZATU186	UNP	 F242B					
GALGA~b 3× III: 3u o0980433 ZATU189	UNP	 F242C					
GAN~c×NE~a  3× III: 3u o0980443 ZATU193	UNP	 F242D					
GAN~c×ŠE~a  4× III: 4u o0980445 ZATU194	UNP	 F242F					
GAN~c×ŠE <sub>3</sub> @t  1× III: 1u o0980446	UNP	 F2430					
GARA <sub>2</sub> ~b 2× III: 2u o0980460 ZATU199	UNP	 F2431					
(GI&GI)×ŠE <sub>3</sub>   CDLI:  (GI+&GI)×ŠE <sub>3</sub>   2× III: 2u o0980485 ZATU206	UNP	 F2433					
GI <sub>4</sub> ~a&GI <sub>4</sub> ~a  1× III: 1u o0980491	UNP	 F2435					
GIBIL@t 1× III: 1u o0980496	UNP	 F2436					
GIR~d 1× IV: 1u o0980505 ZATU216	UNP	 F2437					
GIR <sub>2</sub> ~b o0980507 ZATU218	ZERO	 F2438					
GIR <sub>3</sub> ~c×KAR <sub>2</sub> ~b  AKA:  GIR <sub>3</sub> ~c×KAR <sub>2</sub>   CDLI:  GIR <sub>3</sub> ~c×KAR <sub>2</sub>   3× III: 3u o0980512	UNP	 F2439					
GU <sub>4</sub> ×1(N58)  CDLI: *GU <sub>4</sub> +1N58 o0982249	ZERO	 F2540			 F2540		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GUG₂~ŠITA~a1	UNP						
1× III: 1u	o0980554	F24FC					
GUG₂@t	ZERO						
	o0980556	F243A					
HI×ZATU707~a	UNP						
1× IV: 1u	o0980583	ZATU257	F243B				
HI×1(N58)	UNP						
1× IV: 1u	o0980588	F243C					
HI~b	UNP						
1×	o0980589	ZATU254	F252F				
KA₂~c	UNP						
1× IV: 1u	o0980626	ZATU275	F243E				
KAB×1(N58)	UNP						
AKA:  TUKU+DIŠ							
3× IV: 1u; III: 2u	o0980630	ZATU278	F243F				
KAD₄~c1	UNP						
1× IV: 1u	o0980633	ZATU279	F2440				
KAD₄~c2	UNP						
1× IV: 1u	o0980634	ZATU279	F2441				
KASKAL@g	UNP						
CDLI:  KASKAL@g							
1× III: 1u	o0980654	F2442					
KAŠ~b@t	ZERO						
CDLI:  KAŠ~b@t							
	o0980658	F2443					
KISAL~a2	UNP						
1× IV: 1u	o0980681	ZATU295	F2444				
KU₆~a@s	UNP						
1× III: 1u	o0980703	ZATU446	F2445				
KUR~d	UNP						
1× IV: 1u	o0980713	ZATU304	F2446				
LA~c	UNP						
1× III: 1u	o0980723	ZATU306	F2447				
LAGAB~a×BA	UNP						
1× III: 1u	o0980728	F2448					
LAGAB~a×BIR₃~b	UNP						
2× III: 2u	o0980729	F2449					
LAGAB~a×KAK~a	UNP						
1× III: 1u	o0980731	F244A					
LAGAB~a×LA₂~a	UNP						
1×	o0980735	F2521					
LAGAB~a×LAGAB~a	UNP						
1× III: 1u	o0980736	F244B					
LAGAB~a×NI~a	UNP						
1× III: 1u	o0980738	F2520					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
LAGAB~a×SI  3x III: 3u o0980741	UNP F244C	Ⓐ F244C	Ⓑ				
LAGAB~b×BANŠUR~a  1x IV: 1u o0980755 ZATU309	UNP F244D	Ⓑ F244D	Ⓑ				
LAGAB~b×GA'AR~a1  1x IV: 1u o0980756 ZATU311	UNP F244E	Ⓑ F244E	Ⓑ				
LAGAB~b×(HI×1(N04))  AKA:  LAGAB~b×(HI×N04)  1x o0980758	UNP F251F	Ⓑ F251F	Ⓑ				
LAGAB~b×SUH <sub>3</sub>   1x III: 1u o0980762	UNP F244F	Ⓑ F244F	Ⓑ				
LAL <sub>2</sub> ~a×EZEN~a  1x IV: 1u o0980781 ZATU326	UNP F2450	Ⓑ F2450	Ⓑ				
LAM~b@s 1x IV: 1u o0980791 ZATU329	UNP F2451	Ⓓ F2451	Ⓓ				
LU <sub>2</sub> ×GEŠTU~c3  1x III: 1u o0980797 ZATU333	UNP F2452	Ⓓ F2452	Ⓓ				
MAGUR~b 1x IV: 1u o0980809 ZATU340	UNP F2453	Ⓔ F2453	Ⓔ				
MAH~b×KU <sub>6</sub> ~a  1x IV: 1u o0980826 ZATU343	UNP F2455	Ⓕ F2455	Ⓕ				
MAH~b×MAŠ  1x III: 1u o0980827 ZATU344	UNP F2456	Ⓖ F2456	Ⓖ				
MUŠEN×PAP~a  1x III: 1u o0980874	UNP F2506	Ⓗ F2506	Ⓗ				
NA~d 1x III: 1u o0980883 ZATU378	UNP F2459	Ⓘ F2459	Ⓘ				
NESAG <sub>2</sub> ~a2 AKA: NISAG~a3 1x III: 1u o0980914 ZATU416	UNP F2530	Ⓚ F2530	Ⓚ				
NESAG <sub>2</sub> ~b@t 1x III: 1u o0980916	UNP F245A	Ⓛ F245A	Ⓛ				
NI~a×1(N57)  o0980919	ZERO F245B	Ⓜ F245B	Ⓜ				
NIM~d 1x o0980931 ZATU398	UNP F2531	Ⓝ F2531	Ⓝ				
NINDA <sub>2</sub> ~BA  1x III: 1u o0980939 ZATU402	UNP F245E	Ⓣ F245E	Ⓣ				
NINDA <sub>2</sub> ~(UDU~a×TAR~a)  AKA:  NINDA <sub>2</sub> ~((UDU~a×TAR)~a)  CDLI:  NINDA <sub>2</sub> ~((UDU~a×TAR)~a)  1x III: 1u o0980958 ZATU410	UNP F2461	Ⓣ F2461	Ⓣ				
NINDA <sub>2</sub> ~(UDU~a×TAR~b)  AKA:  NINDA <sub>2</sub> ~((UDU~a+TAR)~b)  1x III: 1u o0980959 ZATU410	UNP F2462	Ⓣ F2462	Ⓣ				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NUMUN <sub>2</sub>	UNP						
2× III: 2u	o0980980	ZATU420	F2464				
NUNUZ~a1@t	UNP						
CDLI:  NUNUZ~a1@t			F2465				
2× III: 2u	o0980994						
NNUUZ~b2	UNP						
1× III: 1u	o0980997	ZATU423	F2466				
PIRIG~b1×UR <sub>2</sub>	UNP						
2× III: 2u	o0981012		F2467				
PIRIG~b1×1(N58@t)	ZERO						
	o0981013		F2528				F2528
RAD~a@t	UNP						
CDLI:  RAD~a@t			F2468				
2× III: 2u	o0981019						
RU@t	ZERO						
CDLI:  RU@t			F2469				
	o0981025						
SAG×GEŠTU~c	UNP						
1× III: 1u	o0981032	ZATU438	F246A				
SAG×1(N14)	UNP						
1× III: 1u	o0981037	ZATU440	F246B				
SIG~b	UNP						
2×	o0981074	ZATU451	F2532				
SIG@g	UNP						
1× III: 1u	o0981075		F246C				
SIG <sub>2</sub> ~b×1(N14)	UNP						
3× IV: 3u	o0981081	ZATU453	F246D				
SILA <sub>3</sub> ~a×GEŠTU~c5	UNP						
1× III: 1u	o0981102	ZATU462	F246E				
		ZATU469					
SILA <sub>3</sub> ~a×HI@g~a	UNP						
2× IV: 2u	o0981105	ZATU465	F246F				
SILA <sub>3</sub> ~a×1(N58)	UNP						
1× IV: 1u	o0981130	ZATU481	F2471				
SILA <sub>3</sub> ~c	UNP						
1× III: 1u	o0981137	ZATU456	F2472				
SILA <sub>3</sub> ~c×ŠU	UNP						
1× IV: 1u	o0981138	ZATU476	F2473				
SILA <sub>3</sub> ~d×NI~a	UNP						
2× III: 2u	o0981140	ZATU460	F2474				
(SUKUD+SUKUD)~d	UNP						
3× III: 3u	o0981165	ZATU494	F2475				
SUKUD@h	UNP						
1× III: 1u	o0981170		F251C				
SUM~a@t	UNP						
CDLI:  SUM~a@t			F2476				
1× III: 1u	o0981172						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ŠEN~d	ZERO						
o0981216 ZATU521		<sup>1</sup> F219C <sup>2</sup> F219D F219E					
ŠIDIM@t	UNP						
1× IV: 1u o0981224		F2477					
ŠITA~a1×ŠU <sub>2</sub>	UNP						
1× III: 1u o0981232		F2478					
ŠITA~a1×UDU~a	UNP						
5× III: 5u o0981233		F2479					
ŠITA~a1×1(N06)	UNP						
3× III: 3u o0981234		F247A					
ŠITA@g~a×1(N04)	UNP						
1× III: 1u o0981244 ZATU531		F247B					
ŠU <sub>2</sub> ×3(N57)	UNP						
AKA:  ŠU <sub>2</sub> ×3(N57)  1× o0981265		F251D					
ŠUR <sub>2</sub> ~c	UNP						
2× o0981272 ZATU543		F2533					
TA~d×MAŠ	UNP						
1× III: 1u o0981280		F247C					
TUG <sub>2</sub> ~d	UNP						
1× IV: 1u o0981311 ZATU555		F247D					
TUR <sub>3</sub> ~a@n	UNP						
CDLI:  TUR <sub>3</sub> ~a@n  1× o0981325		F247E					
U <sub>4</sub> ×(1(N14).3(N01))	UNP						
1× III: 1u o0981373		F253C					
U <sub>4</sub> ×2(N14)	ZERO						
o0981377		F2485			F2485		
UDU~b	UNP						
1× IV: 1u o0981405 ZATU575		F2486					
UH	UNP						
1× III: 1u o0981410		F2487					
UKKIN~d	UNP						
1× o0981426 ZATU580		F2534					
UR~a×KAR <sub>2</sub> ~b	UNP						
AKA:  UR~a×KAR <sub>2</sub>   CDLI:  UR~a×KAR <sub>2</sub>   1× III: 1u o0981438		F2489					
UR <sub>3</sub> ~b1×MAŠ	UNP						
1× IV: 1u o0981449		F248A					
UR <sub>3</sub> ~d2	UNP						
1× o0981451 ZATU591		F2535					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
URU~a1×GU₄  1× III: 1u o0981466	UNP						
URU~a1@n CDLI:  URU~a1@n  1× III: 1u o0981475	UNP						
URUDU@g-b 1× IV: 1u o0981486 ZATU603	UNP						
ZUBI~b 1× III: 1u o0981525 ZATU619	UNP	 F221D 1 F221E	 F221E (a)				
ZATU624~c 1× III: 1u o0981535 ZATU624	UNP						
ZATU627 1× IV: 1u o0981540 ZATU627	UNP						
ZATU632~c 1× IV: 1u o0981548 ZATU632	UNP						
ZATU634 1× IV: 1u o0981551 ZATU634	UNP						
ZATU644~a×1(N14)  1× IV: 1u o0981561 ZATU645	UNP						
ZATU651×ŠE~a  1× III: 1u o0981574 ZATU657	UNP						
ZATU659@t 1× o0981582	UNP						
ZATU683@t CDLI:  ZATU683@t  1× III: 1u o0981613	UNP						
ZATU694~e o0981633 ZATU694	ZERO						 F2529
ZATU697~c 2× III: 2u o0981638 ZATU697	UNP						
ZATU699~a 1× IV: 1u o0981639 ZATU699	UNP						
ZATU737×E~a  1× III: 1u o0981690	UNP						
ZATU737×I  1× III: 1u o0981694	UNP						
ZATU737@t×PAP~a  1× o0981705	UNP						
ZATU759×KU₆~d  1× IV: 1u; III: 1p o0981724 ZATU760	UNP						
ZATU761 1× III: 1u o0981727 ZATU761	UNP						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU779	ZERO						
	o0981747 ZATU779	F24AA					
ZATU789	ZERO						
	o0981757 ZATU789	F24AC					
ZATU805	UNP						
2× III: 2u	o0981770 ZATU805	F24AD					
ZATU814	UNP						
1× III: 1u	o0981779 ZATU814	F24AE					
ZATU815	UNP						
1× III: 1u	o0981780 ZATU815	F24AF					
ZATU820	UNP						
1× III: 1u	o0981784 ZATU820	F24B2					
ZATU821	UNP						
7× III: 7u	o0981785 ZATU821	F24B3					
ZATU822	UNP						
1× III: 1u	o0981786 ZATU822	F24B4					
ZATU823	UNP						
3× III: 3u	o0981787 ZATU823	F24B5					
ZATU824	UNP						
2× III: 2u	o0981788 ZATU824	F24B6					
ZATU825	UNP						
2× III: 2u	o0981789 ZATU825	F24B7					
ZATU826	UNP						
2× III: 2u	o0981790 ZATU826	F24B8					
ZATU829	UNP						
1× III: 1u	o0981791 ZATU829	F24B9					
ZATU831	UNP						
2× III: 2u	o0981792 ZATU831	F24BA					
ZATU831@g	UNP						
CDLI:  ZATU831@g							
2× III: 2u	o0981793	F24BB					
ZATU837~a	UNP						
3× III: 3u	o0981799 ZATU837	F24BC					
ZATU837~b	UNP						
1× III: 1u	o0981800 ZATU837	F24BD					
ZATU838	UNP						
3× III: 3u	o0981801 ZATU838	F24BE					
ZATU839	UNP						
6× III: 6u	o0981802 ZATU839	F2219					
		<sup>1</sup>					
ZATU840	UNP						
1× III: 1u	o0981803 ZATU840	F24BF					

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

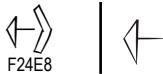
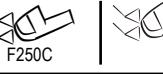
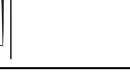
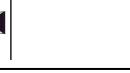
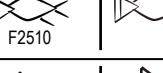
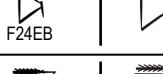
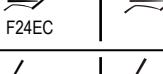
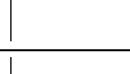
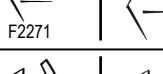
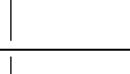
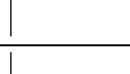
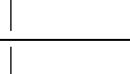
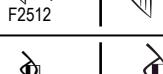
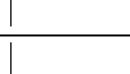
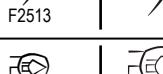
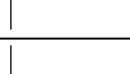
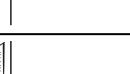
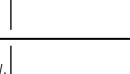
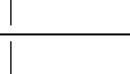
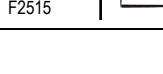
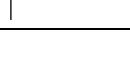
## G PC25 Not Encoded: ED I-II not in Sub-corpus

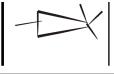
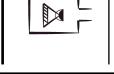
This table gives signs excluded because they only occur in ED I-II

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
A×AN  o0980002	EDI F24F2	{*}	{*}				
A@g o0980007	EDI F24CC						
ALAN~f o0980046	EDI F24CD	====	====				
ANZU <sub>2</sub> o0980064	EDI F222C	* ⌚ (≡)	* ⌚ (≡)				
ASAL <sub>2</sub> o0980072	EDI F24CE	====⇒	====⇒				
BAU405 CDLI:  UET <sub>2</sub> .405  o0980108	EDI F24EF	鱼	鱼				
DAG o0980142	EDI F24CF	==>	==>				
DIM~a×GU  o0980175	EDI F24F3	▽ ◇	▽ ◇				
DIM~a×X  o0980176	EDI F24F4	◇ ▽	◇ ▽				
DUG~a×HI  o0980213	EDI F24F5	□ ◇	□ ◇				
DUG~a×X  o0980220	EDI F24F6	◇ □	◇ □				
E~e o0980296	EDI F24D0	≡	≡				
ENSI o0980324	EDI F224E	ㄣ 𩫔	ㄣ 𩫔				
ENSI <sub>2</sub> o0980325	EDI F2257	ㄣ 𩫔 𩫔	ㄣ 𩫔 𩫔				
EZEN~a×LA~e  o0980341	EDI F20CF F20CE	1 𩫔 𩫔	𩫔 𩫔 1				
GA <sub>2</sub> ~a1×GU <sub>4</sub>   o0980376	EDI F24F8	□ ▷	□ ▷				
GA <sub>2</sub> ~a1×NUN~a  o0980387	EDI F24F9	□ ━	━ □				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GA <sub>2</sub> ~a1×X  14x IV: 4p; III: 12p/1u	PC25-bk o0980399	F20D7 F20D8 1	 		F20D7	F20D7	F20D7
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 CDLI: GIŠ~x	EDI o0980527						
GIŠ@t.E <sub>2</sub> ~a	EDI o0980529						
HI×ŠE <sub>3</sub> @t	EDI o0980582						
HI×1(N01@f)  CDLI:  HI×1(N01)F	EDI 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						

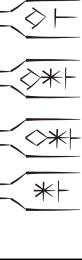
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
LAGAB~b×SI  o0980761	EDI						
LAGAB~b×ŠITA~c  o0980763	EDI						
LAGAB~b×X  1× o0980765	EDI						
LAGAB~b×1(N01)  o0980766	EDI						
LAK025 o0980774	EDI						
LAK050 o0980775	EDI						
LAK172 o0980776	EDI						
LAK251 o0980777	EDI						
LAK350 o0980778	EDI						
LAK777 o0980779	EDI						
LAL <sub>3</sub> ~c o0980787	EDI						
LAM~c o0980793	EDI						
LU <sub>2</sub> @t o0980798	EDI						
MA×X  o0980804	EDI						
MA×2(N57)  o0980805	EDI						
MUD <sub>3</sub> ~a@gxGUI  o0980853	EDI						
NINDA <sub>2</sub> ×(GIŠ.DAR~a)  o0980944	EDI						
NINDA <sub>2</sub> ×NE~a  o0980953	EDI						
NINDA <sub>2</sub> ×ŠIM~a  o0980955	EDI						
NINDA <sub>2</sub> ×(X.MAŠ)  o0980961	EDI						
NINDA <sub>2</sub> ×1(N06)  o0980966	EDI						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
PA <sub>3</sub>	EDI o0981001						
RI	EDI o0981021						
SAG×LAM~c	EDI o0981033						
SAG×SAR~a	EDI o0981036						
SIKIL	EDI o0981092						
SILA <sub>3</sub> ~a×DUG~b	EDI o0981097						
SILA <sub>3</sub> ~b×DUG~a	EDI o0981132						
(SUKUD+SUKUD)~c	EDI o0981164						
ŠITA~c	EDI o0981242						
ŠU@s	EDI o0981251						
ŠU <sub>2</sub> .2(N57)	EDI o0981264						
ŠURUPPAK~c	EDI o0981275						
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)  CDLI:  U <sub>4</sub> ×1(N01)F	EDI o0981369						
UKKIN~b×DUG~a	EDI o0981418						
URI <sub>2</sub>	EDI o0981458						
URI <sub>3</sub> ~a+IB~a	EDI o0981460						
URU~a1×A	EDI o0981464						

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
UŠ~b×TAR~d	o0981493	EDI						
UŠUR <sub>3</sub> ~a	o0981496	EDI						
ZADIM	o0981512	EDI						
(ZU&ZU).SAR~a	o0981523	EDI						
ZATU737×ŠITA~b1@g  CDLI:  ZATU737×ŠITA@g~a	o0981701 ZATU746	EDI						

## H PC25 Not Encoded: Delete

This table gives signs which occur in CDLI-gh but have been deleted from the CDLI-tc.

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
(BU~a&BU~a).NA <sub>2</sub> -b	DEL							
o0982241 ZATU058		F209B						
EZEN~c	DEL							
o0982242 ZATU150		F24D1						
NINDA <sub>2</sub> ×GUDU <sub>4</sub>	DEL							
o0982243 ZATU406		1 F2156 2 F2155 1 F2154 3 F2153						
RI~x	DEL							
o0982244		F24EA						

## 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 o0981826	○○ ○○ F2543					
10(N01)	PC25 2× III: 2p o0981837	BBB F00DA	BBBB				
1(N08~b)	NUM 1× III: 1u o0981901	# F00F5	𠂔				
2(N08~b)	PC25 4× III: 1p/3u o0981902	# F00F6	𠂔				
3(N08~b)	NUM 1× III: 1u o0981903	# F00F7	𠂔				
4(N08~b)	NUM 1× III: 1u o0981904	# F00F8	𠂔				
4(N08~c)	NUM 1× III: 1u o0981905	# F00F9	𠂔				
1(N08~v)	NUM 1× III: 1u o0982197	𠂔					
1(N08@f)×1(N57)	NUM o0981908	𠂔					
10(N14)	PC25 2× o0981921	●●●● F00DB	●●●●				
11(N14)	PC25 1× o0981922	●●●●					
12(N14)	OOR5 1× o0981923	●●●●	●●●●				
22(N14)	PC25 1× o0981924	●●●●					
10(N14@f)	OOR o0981934	■■■■■ F00DF	■■■■■				
6(N21)	PC25 1× IV: 1p o0981983	●●●● F00EO	●●●●				
1(N22~v)	PC25 1× III: 1p o0981986	𠂔					
1(N23)	Pelm 2× III: 1p/1u o0981989	𠂔	𠂔				
2(N23)	Pelm 1× III: 1p o0981990	𠂔	𠂔				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
3(N23)	Pelm						
1× III: 1p	o0981991	F0100					
5(N23)	Pelm						
1× IV: 1p	o0981992	F0101					
7(N23)	Pelm						
1× III: 1p	o0981993	F0102					
2(N24)	NUM						
	o0981995	F0103					
4(N24)	NUM						
	o0981996	F0104					
6(N24)	NUM						
1× IV: 1u; III: 1p	o0981997	F0105					
1(N24@f)	PC25						
2× III: 2p	o0981998	F0106					
2(N29A)	PC25						
AKA: 2(N29~a) 4× III: 4p	o0982009	F0107					
2(N29AB)	PC25						
AKA: 2(N29A~b) 2× III: 2p	o0982011	F010A					
1(N30B)	PC25						
AKA: 1(N30~b) 2× III: 2p	o0982016	F010B					
1(N30CA)	PC25						
AKA: 1(N30C~a) 1(N30C~a) 1× III: 1p	o0982018	F2537					
1(N30CB)	NUM						
	o0982019	F010C					
1(N34)×1(N58)	PC25						
1× III: 1p	o0982027	F012D					
1(N43)	PC25						
3× III: 2p/1u	o0982088	F010D					
4(N43)	PC25						
1× III: 1p	o0982089	F010E					
1(N44)	PC25						
1× IV: 1p	o0982090	F00E1					
3(N45@f)	OOR						
	o0982102	F00E2					
4(N45@f)	OOR						
	o0982103	F00E3					
5(N45@f)	OOR						
	o0982104	F00E4					
6(N45@f)	OOR						
	o0982105	F00E5					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
7(N45@f)	OOR						
	o0982106	F00E6					
8(N45@f)	OOR						
	o0982107	F00E7					
9(N45@f)	OOR						
	o0982108	F00E8					
3(N46)	PC25						
1× III: 1p	o0982112	F00E9					
3(N47)	OOR						
1× IV: 1u	o0982117	F00EA					
6(N48)	OOR						
2× IV: 2u	o0982123	F00EB					
7(N48)	OOR						
1× IV: 1u	o0982124	F00EC					
1(N48@f)	NUM						
	o0982125	F010F					
5(N49)	OOR						
	o0982130	F00ED					
3(N53)	PC25						
1× IV: 1p	o0982163	F00EE					
1(N55)	PC25						
1× IV: 1p	o0982169	F00EF					
1(N59)	PC25						
1× III: 1p	o0982192	F0124					
2(N59)	PC25						
1× III: 1p	o0982193	F0125					
3(N59)	PC25						
18× III: 11p/7u	o0982194	F0126					
4(N59)	PC25						
3× III: 2p/1u	o0982195	F0127					
6(N59)	PC25						
3× III: 3p	o0982196	F0128					
7(N59)	PC25						
1× III: 1p	o0981906	F2536					
3(N61)	PC25						
1× III: 1p	o0982199	F0129					
4(N62)	PC25						
1× III: 1p	o0982200	F012A					
1(N63)	NUM						
2× III: 2u	o0982201	F012B					

## J PC25 Sequences Encoded as Exceptions

This table gives sequences which are encoded because they have some exceptional characteristic against the principle that sequences are not encoded.

### J.1 Reasons for Exceptions

#### J.1.1 Reanalysis

Two city-name signs, ADAB and ARARMA~a, have earlier forms which are distinct from their reanalysis to include an initial U<sub>4</sub> component. Other city names may also have earlier integral forms but without further evidence they are not proposed for encoding as characters at this point.

#### J.1.2 Container Equivalency

The signs ASAR and AZ are the equivalent of containers.

#### J.1.3 Unencoded Constituents

The following exception signs contain unencoded constituents: ME<sub>3</sub> (EŠDA-tenu), ŠAGINA (modified UŠ form with additional strokes, unclear with this is an UŠ or not), ZUBI~a (NA<sub>2</sub>-nutillu).

#### J.1.4 Analogy: BAPPIR Group

The group of signs with the base BAPPIR has one member which is a container (BAPPIR~e) and the entire group is encoded by analogy.

#### J.1.5 Analogy: Sheep Group

The groups of signs with the base SILANITA, UDUNITA and UTUA represent various types (ages, genders) of sheep and since some of them have unencoded constituents the members of all groups are encoded as characters.

#### J.1.6 Analogy: UTUL Group

The UTUL group contains one member which includes an uncoded superposed reduplicated component (UTUL~c), so the entire group is encoded as characters.

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ADAB 126A4	PC25 o0980034	126A4 F2086		126A4	126A4		126A4
ARARMA <sub>2</sub> ~a 126C0	PC25 o0980069	F208C 126C0		126C0			
ASAR 126C1	PC25 o0980073	126C1	126C1				
AZ 126C2	PC25 o0980075	126C2					

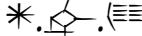
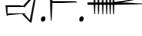
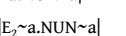
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
BAPPIR~a 126D7		PC25 o0980096					
BAPPIR~b 126D8		PC25 o0980097					
BAPPIR~c 126D9		PC25 o0980098					
BAPPIR~d 126DA		PC25 o0980099					
BAPPIR~e 126DB		PC25 o0980100					
BAPPIR~f 126DC		PC25 o0980101					
KITI 128A5		PC25 o0980692	 F2117 128A5 F2118 F2118				 F2117
ME <sub>3</sub> 1290A		PC25 o0980843					
1(N58).BAD  12925		PC25 o0980877		 (a)	 (a)	 (a)	
(1(N58).BAD)~b  12926		PC25 o0980878	 12926 F2223	 F2223	 12926 F2223		
3(N58).UR <sub>3</sub> ~b1  12927		PC25 o0980879					
SILANITA 129F5		PC25 o0981145					
ŠAGINA 12A1A		PC25 o0981190					
UDUNITA~a 12AA8		PC25 o0981407					
UDUNITA~b 12AA9		PC25 o0981408					
UDUNITA~c 12AAA		PC25 o0981409					

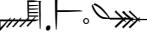
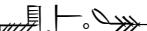
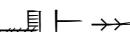
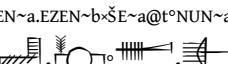
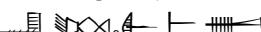
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>UTUA~a</b> 12AF0	o0981499	PC25	12AF0		12AF0	12AF0	12AF0
<b>UTUA~a@t</b> 12AF1	o0981500	PC25	12AF1		12AF1		
<b>UTUA~b</b> 12AF2	o0981501	PC25	F21D5 12AF2		F21D5 12AF2		
<b>UTUL~a</b> 12AF3	o0981502	PC25	12AF3		12AF3	12AF3	12AF3
<b>UTUL~b</b> 12AF4	o0981503	PC25	12AF4		12AF4		
<b>UTUL~c</b> 12AF5	o0981504	PC25	12AF5		12AF5		
<b>UTUL~d</b> 12AF6	o0981505	PC25	12AF6		12AF6		
<b>ZUBI~a</b> 12B03	o0981524	PC25	12B03				

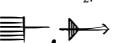
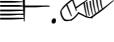
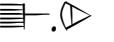
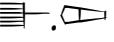
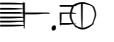
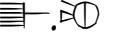
## K Sequences Data

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

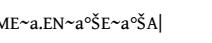
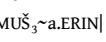
- In column one the character name (CHARNAME) and glyph names (GLYFNAME) are given along with the decomposition of the ligature into the base characters; in this decomposition the different joiners are used rather than mapping them all to ‘.’.
- In column two the precomposed single ligature character 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)   AMAR.1(N02)  	F222B	 u126B4_u125BE.liga
AN.IM~a.GI <sub>6</sub>    AN.IM~a.GI <sub>6</sub>   	F222C	 u126B7_u12861_u1288E.liga
APIN~a.APIN~a   APIN~a.APIN~a  	F222D	 u126BD_u126D2.liga
BU~b.NA <sub>2</sub> ~a   BU~b.NA <sub>2</sub> ~a  	F222E	 u126ED_u12A10.liga
BULUG <sub>3</sub> ,DU <sub>6</sub> ~a   BULUG <sub>3</sub> ,DU <sub>6</sub> ~a  	F222F	 u126F0_u12750.liga
DA~a.LIŠ   DA~a.LIŠ  	F2230	 u126F6_u129B5.liga
DU.ME~a.NUN~a   DU.ME~a.NUN~a  	F2084	 u1271E_u12908_u12A74.liga
DU.U <sub>4</sub> ,1(N14).1(N08)   DU.U <sub>4</sub>   	F2231	 u1271E_u12BE1.liga
E <sub>2</sub> ~a.LIŠ   E <sub>2</sub> ~a.LIŠ  	F2232	 u1277F_u129B5.liga
E <sub>2</sub> ~a.NUN~a   E <sub>2</sub> ~a.NUN~a  	F2233	 u1277F_u12A74.liga

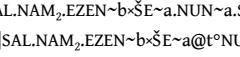
CHARNAME/GLYFNAME/DECOMP	PUA	LIG./liga
E₂~b.LIŠ   E₂~b.LIŠ  	F2234	 u12781_u129B5.liga
EN~a.KID~a   EN~a.KID~a  	F2235	 u12787_u12941.liga
EN~a.ME~a.GI   EN~a.ME~a°GI  	F20C8	 u12787_u12908_u12878.liga
EN~a.ME~a.GI   EN~a.ME~a°GI ~1 	F20C9	 u12787_u12908_u12878.liga.cv01
EN~a.ME~a.GI   EN~a°ME~a.GI  	F20CA	 u12787_u12908_u12878.liga.cv02
EN~a.ME~a.MU   EN~a.ME~a.MU  	F2236	 u12787_u12908_u129EC.liga
EN~a.ŠE~a@t.EZEN~b.NUN~a.SIG₇   EN~a.EZEN~b.ŠE~a@t°NUN~a.SIG₇  	F20CB	 u12787_u127A2_u12972_u12AE3.liga
EN~a.ŠE~a@t.EZEN~b.NUN~a.SIG₇   EN~a.BAHAR₂~b°SIG₇,ME~a.NUN~a  	F20CC	 u12787_u126CB_u129C9_u12908_u12A74.liga
EN₂.E₂~a   EN₂.E₂~a  	F2237	 u1278D_u127CA.liga
EN₂.E₂~b   EN₂.E₂~b  	F2238	 u1278D_u127CE.liga
EŠDA.NAM₂   EŠDA.NAM₂  	F2144	 u12792_u12A23.liga
EŠDA.NAM₂   EŠDA+NAM₂  	F2145	 u12792_u12A23.liga.cv01
GA~a.ZATU753   GA~a.ZATU753  	F20D2	 u127A9_u12D79.liga
GA~a.ZATU753   ZATU753.GA~a  	F20D1	 u12BA6_u1280E.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG./liga
GAL~a.BUR <sub>2</sub>    GAL~a.BUR <sub>2</sub>   	F2239	 u127DE_u1271F.liga
GAL~a.LU <sub>2</sub>    GAL~a.LU <sub>2</sub>   	F212A	 u127DE_u129B6.liga
GAL~a.LU <sub>2</sub>    LU <sub>2</sub> °GAL~a  	F212B	 u128E5_u1284E.liga
GAL~a.NI~a   GAL~a.NI~a  	F223A	 u127DE_u12A3A.liga
GAL~a.NIM~a   GAL~a.NIM~a  	F223B	 u127DE_u12A43.liga
GAL~a.UKKIN~a   GAL~a.UKKIN~a  	F2110	 u127DE_u12C31.liga
GAL~a.UKKIN~a   GAL~a.UKKIN~a ~1 	F2111	 u127DE_u12C31.liga.cv01
GEŠTU~a.NAGA~a   GEŠTU~a.NAGA~a  	F223C	 u127F9_u12A16.liga
GI <sub>6</sub> .NUNUZ~c   GI <sub>6</sub> .NUNUZ~c  	F223D	 u12810_u12A87.liga
GIR~a.KU <sub>6</sub> ~a   GIR~a.KU <sub>6</sub> ~a  	F223E	 u12812_u12965.liga
GIR~b.GIR~b   GIR~b.GIR~b  	F223F	 u12813_u12896.liga
GIR <sub>3</sub> ~c.AB~a   GIR <sub>3</sub> ~c.AB~a  	F2240	 u12819_u12698.liga
GIR <sub>3</sub> ~c.PIRIG~b1   GIR <sub>3</sub> ~c.PIRIG~b1  	F2241	 u12819_u12A98.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG./liga
GIŠ.TE   GIŠ.TE  	F2242	口 <del>×</del> u12820_u12BB9.liga
GIŠ@t.E₂~a   GIŠ@t.E₂~a  	F2243	口 <del>≡</del> u12826_u127CA.liga
GU₄.ZATU755~b   GU₄.ZATU755~b  	F2244	口 <del>〔〕</del> u12833_u12D7C.liga
GUKKAL~a.HI@g~a   GUKKAL~a.HI@g~a  	F2245	口 <del>≡</del> u1283D_u128F0.liga
HI.LAGAB~a   HI.LAGAB~a  	F2246	口 <del>○</del> u12852_u12980.liga
HI.SUHUR   HI.SUHUR  	F20F5	口 <del>鱼</del> u12852_u12B23.liga
HI.SUHUR   HI.SUHUR ~1 	F20F6	口 <del>鱼</del> u12852_u12B23.liga.cv01
HI.SUHUR   HI.SUHUR ~2 	F20F7	口 <del>鱼</del> u12852_u12B23.liga.cv02
(HI×1(N57)).(HI×1(N57))   HI×1(N57)°HI×1(N57)  	F20F9	口 <del>◆</del> u12853_u128EC.liga
HI×1(N57).HI×1(N57)   HI×1(N57).HI×1(N57)  	F20F8	口 <del>◆◆</del> u12853_u128EC.liga.cv01
IR~a.GA₂~a1   IR~a.GA₂~a1  	F2247	口 <del>□</del> u12865_u12815.liga
KA~a.ŠE~a   KA~a.ŠE~a  	F2109	口 <del>≡</del> u1286C_u12B52.liga
KA~a.ŠE~a   KA~a.ŠE~a@t  	F2108	口 <del>≡</del> u1286C_u12B57.liga
KAK~a.GA₂~a1   KAK~a.GA₂~a1  	F2248	口 <del>□</del> u12874_u12815.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG./liga
KU <sub>6</sub> ~a.GIŠ   KU <sub>6</sub> ~a.GIŠ  	 F2249	 u128AB_u128A7.liga
KU <sub>6</sub> ~a.1(N02)   KU <sub>6</sub> ~a.1(N02)  	 F224A	 u128AB_u125BE.liga
KUR~a.E <sub>2</sub> ~a   KUR~a.E <sub>2</sub> ~a  	 F224B	 u128AF_u127CA.liga
KUR~a.NUNUZ~a1   KUR~a.NUNUZ~a1  	 F224C	 u128AF_u12A82.liga
KUR~a.RU   KUR~a.RU  	 F21B0	 u128AF_u12AA5.liga
KUR~a.RU   KUR~a.RU ~1 	 F21AF	 u128AF_u12AA5.liga.cv01
KUR~b.E <sub>2</sub> ~a   KUR~b.E <sub>2</sub> ~a  	 F224D	 u128B0_u127CA.liga
LAGAB~b.TE   LAGAB~b.TE  	0	 u128CF_u12BB9.liga
ME~a.EN~a.ŠE~a.ŠA   ME~a.EN~a.ŠE~a.ŠA  	 F224E	 u12908_u12787_u12A22_u12B37.liga
MUŠ <sub>3</sub> ~a.AB~a   MUŠ <sub>3</sub> ~a.AB~a  	 F224F	 u12921_u12698.liga
MUŠ <sub>3</sub> ~a.ERIN   MUŠ <sub>3</sub> ~a.ERIN  	 F2250	 u12921_u127EF.liga
MUŠ <sub>3</sub> ~a.UNUG~a   MUŠ <sub>3</sub> ~a.UNUG~a  	 F2251	 u12921_u12C44.liga
MUŠEN.ŠE~a   ŠE~a°MUŠEN  	 F21D6	 u12A22_u12A05.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG./liga
MUŠEN.ŠE~a   MUŠEN.ŠE~a  	F21D7	 u12924_u12B52.liga
MUŠEN.UR <sub>3</sub> ~b2   MUŠEN.UR <sub>3</sub> ~b2  	F213A	 u12924_u12C58.liga
MUŠEN.UR <sub>3</sub> ~b2   MUŠEN.UR <sub>3</sub> ~b2 ~1 	F213B	 u12924_u12C58.liga.cv01
1(N02).RU   1(N02).RU  	F2252	 u125BE_u12AA5.liga
NAGAR~a.BU~a   NAGAR~a.BU~a  	F2253	 u12933_u1270B.liga
NAGAR~a.BU~a   NAGAR~b.BU~a  	F2254	 u12934_u1270B.liga
NE~a.GI   NE~a°GI  	F20E5	 u12940_u12878.liga
NE~a.GI   NE~c°GI  	F20E4	 u12942_u12878.liga
NE~a.RU   NE~a.RU  	F2255	 u12940_u12AA5.liga
NI~a.RU   NI~a.RU  	F2256	 u12946_u12AA5.liga
NUN~a.ME~a   NUN~a.ME~a  	F2082	 u12972_u129E2.liga
NUN~a.ME~a   NUN~a+ME~a  	F2083	 u12972_u129E2.liga.cv01
NUN~a.ME~a.DU   NUN~a.ME~a.DU  	F2085	 u12972_u12908_u1274D.liga
NUN~b.U <sub>4</sub> .U <sub>4</sub> .1(N14).1(N08)   NUN~b.U <sub>4</sub>   	0	 u12978_u12BE1.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG./liga
PA~a.IB~a   PA~a°IB~a  	 F2189	 u12981_u128F4.liga
PA~a.IB~a   PA~a.IB~a  	 F2188	 u12981_u128F4.liga.cv01
PA~a.IB~a   PA~a°IB~a ~1 	 F218A	 u12981_u128F4.liga.cv02
PA~a.TE.SI   PA~a.TE.SI  	 F2257	 u12981_u12A62_u12AC7.liga
PA~a.UDU~a   PA~a.UDU~a  	 F2178	 u12981_u12C25.liga
PA~a.UDU~a   PA~a.UDU~a ~1 	 F2179	 u12981_u12C25.liga.cv01
PAP~a.IB~a   PAP~a.IB~a  	 F218B	 u12985_u128F4.liga
PAP~a.IB~a   IB~a°PAP~a  	 F218C	 u12859_u12A91.liga
SAL.KUR~a   SAL.KUR~a  	 F2258	 u129A1_u1296C.liga
SALLAGAR~a   SALLAGAR~a  	 F2259	 u129A1_u129A0.liga
SALLAM~b   SALLAM~b  	 F225A	 u129A1_u129B1.liga
SAL.ME~a   SAL.ME~a  	0	 u129A1_u129E2.liga
SAL.NAM_2   SAL.NAM_2  	 F225B	 u129A1_u12A23.liga
SAL.NAM_2,EZEN~b×ŠE~a.NUN~a.SIG_7   SAL.NAM_2,EZEN~b×ŠE~a@t°NUN~a.SIG_7  	 F225C	 u129A1_u12939_u127A2_u12972_u12AE3.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG./liga
SAL.SI  [SAL.SI] ▷.▷	▷ F225D	▷ u129A1_u12AC7.liga
SAL.SILA <sub>4</sub> ~c  [SAL.SILA <sub>4</sub> ~c] ▷.◎	▷ ◎ F225E	▷ ◎ u129A1_u12B15.liga
SAL.ŠU <sub>2</sub>   [SAL.ŠU <sub>2</sub> ] ▷.⟨	▷ F225F	▷ u129A1_u12B98.liga
SAL.ZATU751~a  [SAL.ZATU751~a] ▷.▷	▷ F2260	▷ u129A1_u12D75.liga
SAL.ZATU751~b  [SAL.ZATU751~b] ▷.▷	▷ F2261	▷ u129A1_u12D76.liga
SAL.ZATU751~c  [SAL.ZATU751~c] ▷.◇	▷ F2262	▷ u129A1_uF300F.liga
SU~a.KUR~a.RU  [SU~a.KUR~a.RU] ≪.¤.≫	≪ F2263	≪ u129F7_u128AF_u12AA5.liga
ŠE~a.GAR  [ŠE~a.GAR] ~~~~.▷	~~~~.▷ F2228	~~~~.▷ u12A22_u12868.liga
ŠE~a.GAR  [ŠE~a@t.GAR] ~~~~.▷	~~~~.▷ F2229	~~~~.▷ u12A24_u12868.liga
ŠE~a.KIN <sub>2</sub> ~c  [ŠE~a.KIN <sub>2</sub> ~c] ~~~~.()	~~~~.() F2190	~~~~.() u12A22_u12948.liga
ŠE~a@t.KIN <sub>2</sub> ~c  [ŠE~a@t.KIN <sub>2</sub> ~c] ~~~~.()	~~~~.() F2191	~~~~.() u12A24_u12948.liga
ŠE~a.NAM <sub>2</sub>   [ŠE~a.NAM <sub>2</sub> ] ~~~~.[]	~~~~.[] F2192	~~~~.[] u12A22_u12A23.liga
ŠE~a.NAM <sub>2</sub>   [ŠE~a.NAM <sub>2</sub> ]~1 ~~~~.[]	~~~~.[] F2193	~~~~.[] u12A22_u12A23.liga.cv01
ŠE~a.ŠA  [ŠE~a.ŠA] ~~~~.[]	~~~~.[] F2126	~~~~.[] u12A22_u12B37.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG./liga
ſE~a.ſA  ſA°ſE~a  	F2127	 u12A0F_u12B52.liga
ſELU ſE~a.GUG₂  	F2264	 u12A22_u128C8.liga
ſEŠ~a.NA~a  ſEŠ~a.NA~a  	F2265	 u12A32_u12A0B.liga
ſITA~a1.MUD₃~a  ſITA~a1.MUD₃~a  	F2266	 u12A39_u129EF.liga
ſU₂.E₂~a  ſU₂.E₂~a  	F2267	 u12A4A_u127CA.liga
ſU₂.E₂~b  ſU₂.E₂~b  	F2268	 u12A4A_u127CE.liga
ſU₂.EN~a  ſU₂.EN~a  	F21A8	 u12A4A_u127D9.liga
ſU₂.EN~a  ſU₂.EN~a ~1 	F21A6	 u12A4A_u127D9.liga.cv01
ſU₂.EN~a  ſU₂.EN~a ~2 	F21A7	 u12A4A_u127D9.liga.cv02
ſU₂.EN~b  ſU₂.EN~b  	F2269	 u12A4A_u127DA.liga
ſU₂.GIŠ  ſU₂.GIŠ  	F226A	 u12A4A_u128A7.liga
ſU₂.(HI×1(N57).HI×1(N57))  ſU₂.(HI×1(N57)).(HI×1(N57))  	F226B	 u12A4A_u12853_u128EC.liga
ſU₂.PAP~a  ſU₂.PAP~a  	F226C	 u12A4A_u12A91.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG./liga
ŠU₂,PAP~a.AN   ŠU₂,AN  ⟨.*	(*) F226D	*(*) u12A4A_u126CC.liga
ŠU₂,URI₃~a   ŠU₂,URI₃~a  ⟨.*	(*) F226E	(*) u12A4A_u12C5F.liga
ŠU₂,1(N02)   ŠU₂,1(N02)  ⟨.*	(*) F226F	(*) u12A4A_u125BE.liga
ŠU₂,1(N24)   ŠU₂,1(N24)  ⟨.*	(*) F2270	(*) u12A4A_u125AA.liga
ŠU₂,2(N57)   ŠU₂,2(N57)  ⟨.*	(*) F2271	(*) u12A4A_uF0111.liga
TE.A   TE.A  ※.	(*) F2272	(*) u12A62_u12690.liga
TUG₂~a.BAD&BAD   TUG₂~a.BAD&BAD  ⊖.≡	(*) F21B8	(*) u12A6B_u126E0.liga
TUG₂~a.BAD&BAD   TUG₂~a@g.BAD&BAD  ⊖.≡	(*) F21B9	(*) u12A6C_u126E0.liga
TUR₃~a.5(N57).5(N57)   TUR₃~a.5(N57)  ≡.≡	(*) F2273	(*) u12A79_uF0114.liga
U₄,AB~b   U₄,AB~b  ♪.♩	(*) F2274	(*) u12A7F_u126A3.liga
U₄,ŠU₂   U₄,ŠU₂  ♪.⟨	(*) F2275	(*) u12A7F_u12B98.liga
U₄,1(N08)   U₄,1(N08)  ♪.σ	(*) F2276	(*) u12A7F_u12559.liga
U₄,2(N08)   U₄,2(N08)  ♪.σ	(*) F2277	(*) u12A7F_u1255A.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG./liga
U_4.3(N08)   U_4.3(N08)  	F2278	u12A7F_u1255B.liga
U_4.4(N08)   U_4.4(N08)  	F2279	u12A7F_u1255C.liga
U_4.5(N08)   U_4.5(N08)  	F227A	u12A7F_u1255D.liga
U_4.6(N08)   U_4.6(N08)  	F227B	u12A7F_u1255E.liga
U_4.7(N08)   U_4.7(N08)  	F227C	u12A7F_u1255F.liga
U_4.8(N08)   U_4.8(N08)  	F227D	u12A7F_u12560.liga
U_4.1(N14)   U_4.1(N14)  	F227E	u12A7F_u12562.liga
U_4.1(N14).1(N08)   U_4.1(N14).1(N08)  	0	u12A7F_u12562_u12559.liga
U_4.1(N14).3(N08)   U_4.1(N14).3(N08)  	F227F	u12A7F_u12562_u1255B.liga
U_4.1(N14).4(N08)   U_4.1(N14).4(N08)  	F2280	u12A7F_u12562_u1255C.liga
U_4.1(N14).5(N08)   U_4.1(N14).5(N08)  	F2281	u12A7F_u12562_u1255D.liga
U_4.1(N14).8(N08)   U_4.1(N14).8(N08)  	F2282	u12A7F_u12562_u12560.liga
U_4.2(N14)   U_4.2(N14)  	F2283	u12A7F_u12563.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG./liga
U <sub>4</sub> .1(N24)   U <sub>4</sub> .1(N24)  	 F2284	 u12A7F_u125AA.liga
U <sub>4</sub> ×1(N01).5(N08)   U <sub>4</sub> ×1(N01).5(N08)  	 F2285	 u12A80_u1255D.liga
U <sub>4</sub> ×2(N01).2(N14)   U <sub>4</sub> ×2(N01).2(N14)  	 F2286	 uF2481_u12563.liga
U <sub>4</sub> ×2(N01).2(N14).1(N08)   U <sub>4</sub> ×2(N01).2(N14).1(N08)  	 F2287	 uF2481_u12563_u12559.liga
U <sub>4</sub> ×3(N01).3(N08)   U <sub>4</sub> ×3(N01).3(N08)  	 F2288	 u12A82_u1255B.liga
U <sub>4</sub> ×4(N01).2(N14)   U <sub>4</sub> ×4(N01).2(N14)  	 F2289	 u12A83_u12563.liga
U <sub>4</sub> ×5(N01).1(N14)   U <sub>4</sub> ×5(N01).1(N14)  	 F228A	 u12A84_u12562.liga
U <sub>4</sub> ×(1(N14).3(N01)).1(N14).4(N08).1(N14).4(N08)   U <sub>4</sub> ×(1(N14).3(N01)).1(N14).4(N08)  	 F228B	 uF253C_u12562_u1255C.liga
URI <sub>3</sub> ~a.AB~a   URI <sub>3</sub> ~a.AB~a  	 F228C	 u12AD4_u12698.liga
URI <sub>3</sub> ~a.IB~a   URI <sub>3</sub> ~a.IB~a  	 F228D	 u12AD4_u128F4.liga
URI <sub>3</sub> ~a.NA~a   URI <sub>3</sub> ~a°NA~a  	 F2147	 u12AD4_u12A0B.liga
URI <sub>3</sub> ~a.NA~a   URI <sub>3</sub> ~a.NA~a  	 F2146	 u12AD4_u12A0B.liga.cv01
URI <sub>3</sub> ~a.NA~a   URI <sub>3</sub> ~a.NA~a ~1 	 F2148	 u12AD4_u12A0B.liga.cv02

CHARNAME/GLYFNAME/DECOMP	PUA	LIG/.liga
URI <sub>3</sub> ~a.UNUG~a   URI <sub>3</sub> ~a.UNUG~a  	 F228E	 u12AD4_u12C44.liga
UŠ~a.KUR~a   UŠ~a.KUR~a  	 F20FF	 u12AE9_u1296C.liga
UŠ~a.KUR~a   UŠ~b.KUR~a  	 F20FE	 u12AEB_u1296C.liga
ZATU714.RU   ZATU714.RU  	 F228F	 u12B76_u12AA5.liga
1(N57).AB <sub>2</sub>    1(N57).AB <sub>2</sub>   	 F2290	 u12BEC_u126A7.liga
2(N57).AB <sub>2</sub>    2(N57).AB <sub>2</sub>   	 F2291	 u12BED_u126A7.liga
3(N57).AMAR   3(N57).AMAR  	 F2292	 u12BEE_u126C5.liga
4(N57).AMAR   4(N57).AMAR  	 F2293	 u12BEF_u126C5.liga
3(N57).AZ   3(N57).AZ  	0	 u12BEE_u126DC.liga
3(N57).BAR×UŠ~a   3(N57).BAR×UŠ~a  	 F2294	 u12BEE_uF3095.liga
3(N57).BARA <sub>3</sub>    3(N57).BARA <sub>3</sub>   	 F2295	 u12BEE_u12702.liga
2(N57).BIR <sub>3</sub> ~a   2(N57).BIR <sub>3</sub> ~a  	 F2296	 u12BED_u12706.liga
1(N57).BU <sub>3</sub>    1(N57).BU <sub>3</sub>   	0	 u12BEC_u12718.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG./liga
2(N57).DU <sub>6</sub> ~a@n   2(N57).DU <sub>6</sub> ~a@n  =. 	0	=  u12BED_uF3089.liga
1(N57).E <sub>2</sub> ~a   1(N57).E <sub>2</sub> ~a  -. 	F2297	-  u12BEC_u127CA.liga
3(N57).E <sub>2</sub> ~b   3(N57).E <sub>2</sub> ~b  =. 	F2221	=  u12BEE_u127CE.liga
3(N57).EN <sub>2</sub>    3(N57).EN <sub>2</sub>   =. 	0	=  u12BEE_u127E3.liga
3(N57).GAR   3(N57).GAR  =. 	F2298	=  u12BEE_u12868.liga
4(N57).GAR   4(N57).GAR  =. 	F2299	=  u12BEF_u12868.liga
5(N57).GAR   5(N57).GAR  =. 	F229A	=  u12BF0_u12868.liga
6(N57).GAR   6(N57).GAR  =. 	F229B	=  u12BF1_u12868.liga
7(N57).GAR   7(N57).GAR  =. 	F229C	=  u12BF2_u12868.liga
4(N57).KU <sub>3</sub> ~a   4(N57).KU <sub>3</sub> ~a  =. 	F229D	=  u12BEF_u12963.liga
5(N57).KU <sub>3</sub> ~a   5(N57).KU <sub>3</sub> ~a  =. 	F229E	=  u12BF0_u12963.liga
6(N57).KU <sub>3</sub> ~a   6(N57).KU <sub>3</sub> ~a  =. 	F229F	=  u12BF1_u12963.liga
2(N57).KU <sub>6</sub> ~a   2(N57).KU <sub>6</sub> ~a  =. 	F22A0	=  u12BED_u12965.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG/.liga
3(N57).LAM~a.KUR~a.RU   3(N57).LAM~a.KUR~a.RU  ≡.𒂗.𒂗.()	𒂗.𒂗.() F22A1	𒂗.𒂗.() u12BEE_u128E0_u128AF_u12AA5.liga
1(N57).MUŠEN   1(N57).MUŠEN  - . 𒂔	𒂔 F22A2	𒂔 u12BEC_u12A05.liga
2(N57).MUŠEN   2(N57).MUŠEN  = . 𒂔	𒂔 F22A3	𒂔 u12BED_u12A05.liga
3(N57).MUŠEN   3(N57).MUŠEN  ≡ . 𒂔	𒂔 F22A4	𒂔 u12BEE_u12A05.liga
3(N57).NUNUZ~a1   3(N57).NUNUZ~a1  ≡ . 𒈠	𒈠 F22A5	𒈠 u12BEE_u12A82.liga
3(N57).NUNUZ~c   3(N57).NUNUZ~c  ≡ . 𒈠	𒈠 F22A6	𒈠 u12BEE_u12A87.liga
3(N57).PIRIG~b1   3(N57).PIRIG~b1  ≡ . 𒉚	𒉚 F22A7	𒉚 u12BEE_u12A98.liga
3(N57).RU   3(N57).RU  ≡ . 》	》 F21B2	》 u12BEE_u12AA5.liga
3(N57).RU   3(N57).RU ~1 ≡ . 》	》 F21B1	》 u12BEE_u12AA5.liga.cv01
3(N57).SANGA~b   3(N57).SANGA~a  ≡ . 𒃩	0	𒃩 u12BEE_u12ABC.liga
3(N57).SI   3(N57).SI  ≡ . 𒀭	0	𒀭 u12BEE_u12AC7.liga
1(N57).SIG   1(N57).SIG  - . 𒀭	- . 𒀭 F22A8	- . 𒀭 u12BEC_u12ACF.liga
2(N57).SU~a   2(N57).SU~a  = . 𒀭	= . 𒀭 F22A9	= . 𒀭 u12BED_u12B1D.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG./liga
1(N57).ŠAH₂~a   1(N57).ŠAH₂~a  - . ḫ	- ḫ F22AA	- ḫ u12BEC_u12B49.liga
1(N57).ŠUBUR   šUBUR×1(N57)  ᬁ x -	ᬁ x - F221F	ᬁ x - u12A4C_uF0110.liga
1(N57).ŠUBUR   1(N57).ŠUBUR  - . ḫ	- . ḫ F2220	- . ḫ u12BEC_u12B9E.liga
2(N57).ŠUBUR   2(N57).ŠUBUR  = . ḫ	= . ḫ F22AB	= . ḫ u12BED_u12B9E.liga
3(N57).ŠUBUR   3(N57).ŠUBUR  ≡ . ḫ	≡ . ḫ F22AC	≡ . ḫ u12BEE_u12B9E.liga
3(N57).UDU~a   3(N57).UDU~a  ≡ . ⊕	≡ . ⊕ F22AD	≡ . ⊕ u12BEE_u12C25.liga
2(N57).UDUNITA~a   2(N57).UDUNITA~a  = . ⊕↔	= . ⊕↔ F22AE	= . ⊕↔ u12BED_u12C2A.liga
3(N57).UDUNITA~a   3(N57).UDUNITA~a  ≡ . ⊕↔	≡ . ⊕↔ F22AF	≡ . ⊕↔ u12BEE_u12C2A.liga
1(N57).URU~a1   1(N57).URU~a1  - . 𠂔	- . 𠂔 F22B0	- . 𠂔 u12BEC_u12C63.liga
2(N57).URU~a1   2(N57).URU~a1  = . 𠂔	= . 𠂔 F22B1	= . 𠂔 u12BED_u12C63.liga

## L Implementation Notes on Sequences

This section provides some background on how PCSL handles sequences.

### 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 sequences 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, @glyf 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 @glyf entries; a @sign and @glyf 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|; similarly, for |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.

Note that 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.

In XeTeX, the features for the cvNN ligatures should be specified as "+cv01,+salt=0", "+cv02,+salt=1", "+cv03,+salt=2" (specifying +liga is unnecessary with XeTeX; note that salt index is 0-based).

## 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.