

# L2/25-211: Proposal to Encode Proto-Cuneiform

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## Acknowledgements

This proposal would not have come about without the prior work of many people, whom it would be impractical to name exhaustively here although most of their names occur *passim* in the References section of this document. The Berlin/UCLA team led by Robert Englund and Peter Damerow, which itself gave rise to CDLI [CDLI], most 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] and Robin Leroy was the principal author of a companion proposal to this one, Archaic Cuneiform Numerals (ACN) [L2/24-210].

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 the city of Uruk in a region between the Tigris and Euphrates rivers commonly referred to as Mesopotamia. The encoding would combine with ACN to cover more than 99% of all instances of graphemes in the corpus (5.4).

Proto-Cuneiform is a pictographic script, with symbols etched or pressed onto clay surfaces. This writing system was used initially for administrative and accounting purposes. Over time, these pictographs were replaced with more abstract signs, which are known as ‘cuneiform’ ([ISO15924] Xsux). Accordingly, this ancestral writing system is known as ‘proto-cuneiform’. The ‘Sumero-Akkadian Cuneiform’ and ‘Early Dynastic Cuneiform’ blocks in Unicode cover most of the Xsux cuneiform repertoire.

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

## 2 Previous Proposals

This proposal supersedes the following documents:

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

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

Most numerical signs have been moved to:

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

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

- A revised set of principles on which the encoding is based

- Alignment of the encoding with established disciplinary practices
- Use of all available published and digital data for Proto-Cuneiform rather than sole reliance on 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

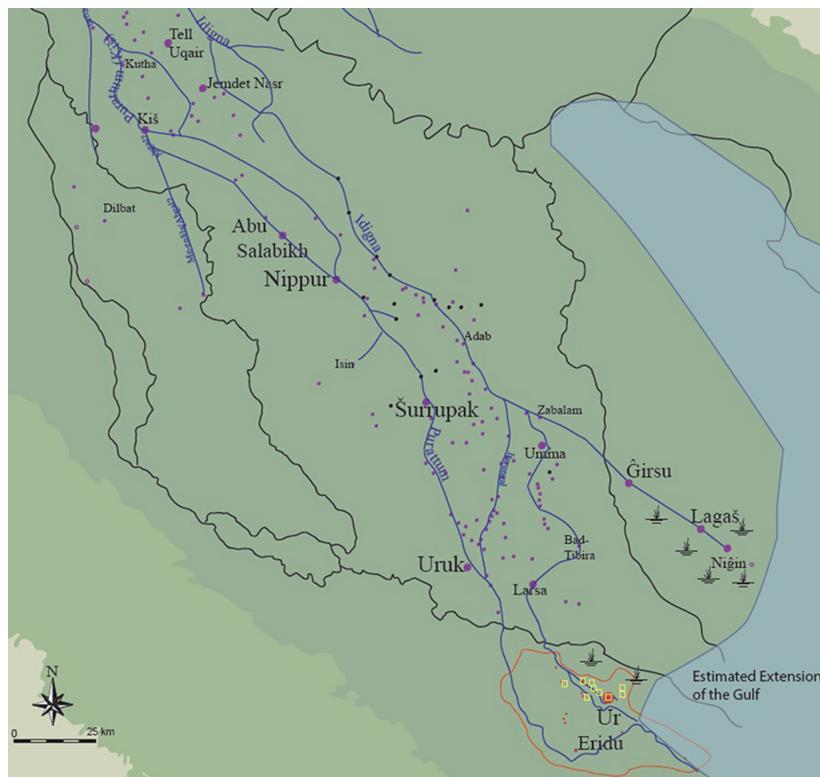


Figure 1: Map of southern Iraq showing canal networks and key settlements of the late fourth and early third millennia BCE (from [Ben15])

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

#### 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

	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:	First urban centers
3200		Writing Phase Uruk IV,	Age of early civilization
3100		Writing Phase Uruk III	
3000	Jemdet Nasr		
2900	Early Dynastic I	Archaic texts from Ur	
2800			Formation of large irrigation networks
2700	Early Dynastic II	Texts from Fara	
2600			
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	Neo-Sumerian texts	Centralized state of the
	Ur III		3rd Dynasty of Ur
2000			

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

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 outcroppings. 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

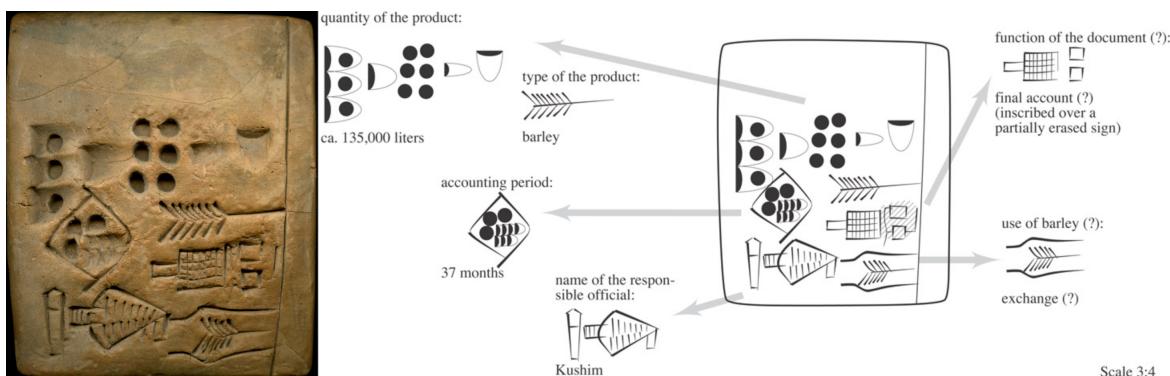


Figure 3: Beer dossier account of Kushim [P005340] with copy and explanation by Bob Englund and Peter Damerow [DE93, p. 37].

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

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

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

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

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

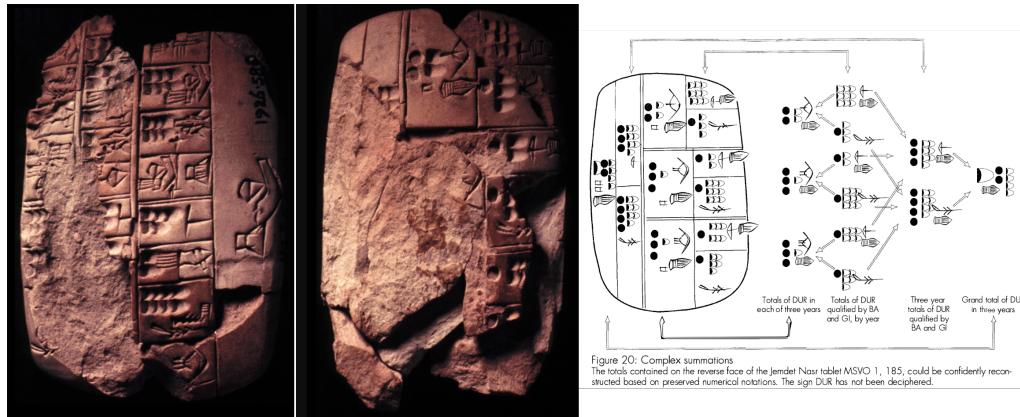


Figure 4: The complex summation [P005252] = MSVO 1, 185 with Englund's analysis [Eng98, p. 63].

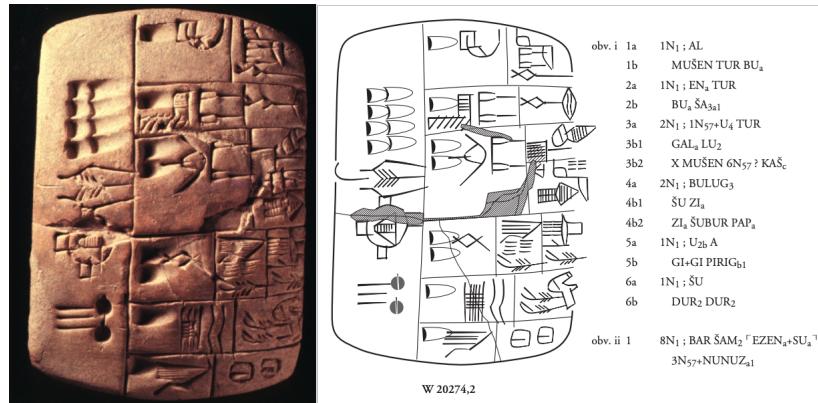


Figure 5: Personnel list [P003500] with Englund's copy and transliteration [Eng09, p. 13]. The expressions AL, EN-a TUR, 1(N57)×U4 TUR, BULUG<sub>3</sub>, U<sub>2</sub>~a A and ŠU are probably age qualifications of individuals.



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

### 3.3.2 Lexical Lists

The other important—but numerically far smaller—group of texts are the word lists that Assyriologists generally refer to as ‘Lexical Texts’. These appear in the earliest phases of writing and are especially well evidenced in Uruk III 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].

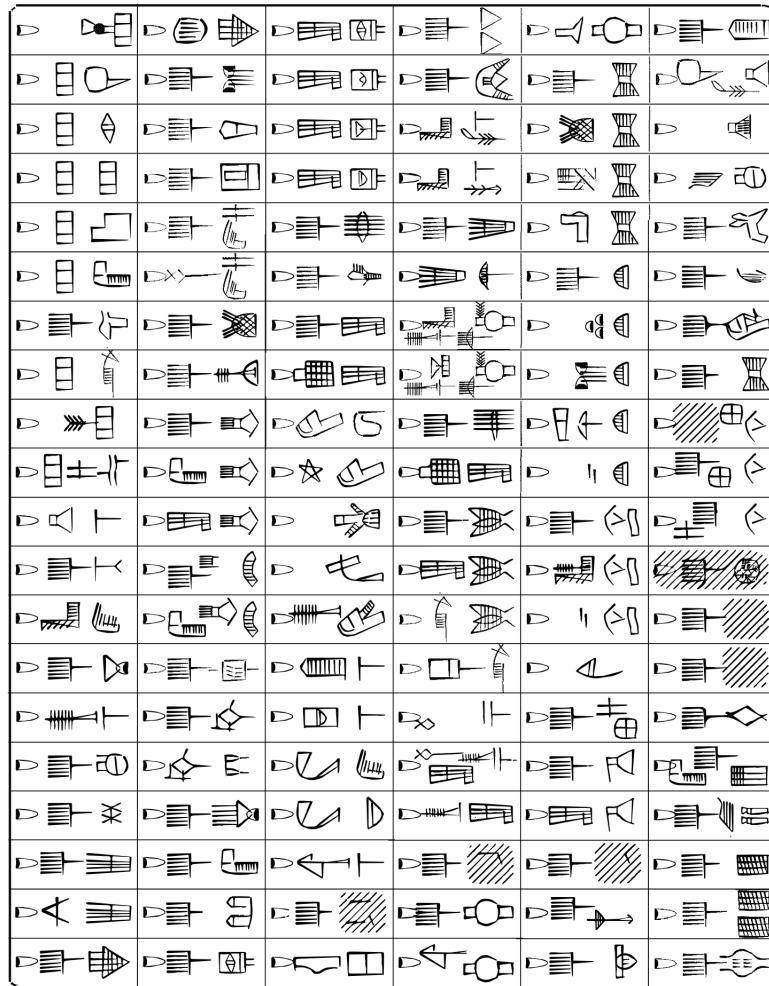


Figure 7: Englund’s composite of the professions/occupations list, Lu. Shaded areas are entries that cannot be fully reconstructed from the extant manuscripts [Eng98, p. 104].

Importantly, some of the archaic lexical lists continue into Early Dynastic, where tablets 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].

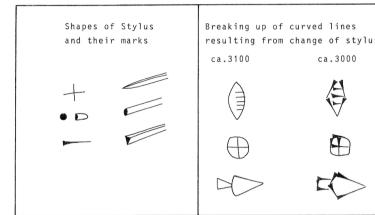


Figure 8: Styli and sign development from [Nis86, p. 320]

	Uruk IV	Uruk III	Uruk IV	Uruk III
1	DUG <sub>b</sub>	▷		
	DUG <sub>a</sub>	▷	Pots	▷
	DUG <sub>c</sub>	▷		▷
	KAŠ <sub>a</sub>	▷	◁	◁
	AB <sub>a</sub>	▷	Sea <sup>2</sup>	▷
2	GU <sub>4</sub>	▷	Oxen	▷
	AMAR	▷	Calves	▷
	SAH <sub>2</sub>	▷	Pigs	▷
	BU <sub>a</sub>	▷	Snakes	▷
	SAG	▷	Men	▷
3	TUR	▷	Children	▷
4				

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

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].

### 3.4.2 Orientation and Disposition

PICTOGRAPHIC SIGN c. 3100 BC									
INTERPRETATION	star	?sun over horizon	?stream	ear of barley	bull's head	bowl	head + bowl	lower leg	?shrouded body
CUNEIFORM SIGN c. 2400 BC									
CUNEIFORM SIGN c. 700 BC (turned through 90°)									
PHONETIC VALUE*	dingir, an	u <sub>4</sub> , ud	a	še	gu <sub>4</sub>	nig <sub>2</sub> , ninda	ku <sub>2</sub>	du, gin, gub	lu <sub>2</sub>
MEANING	god, sky	day, sun	water, seed, son	barley	ox	food, bread	to eat	to walk, to stand	man

\* Some signs have more than one phonetic value and some sounds are represented by more than one sign. U<sub>4</sub> means the fourth sign with the phonetic value u.

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

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.

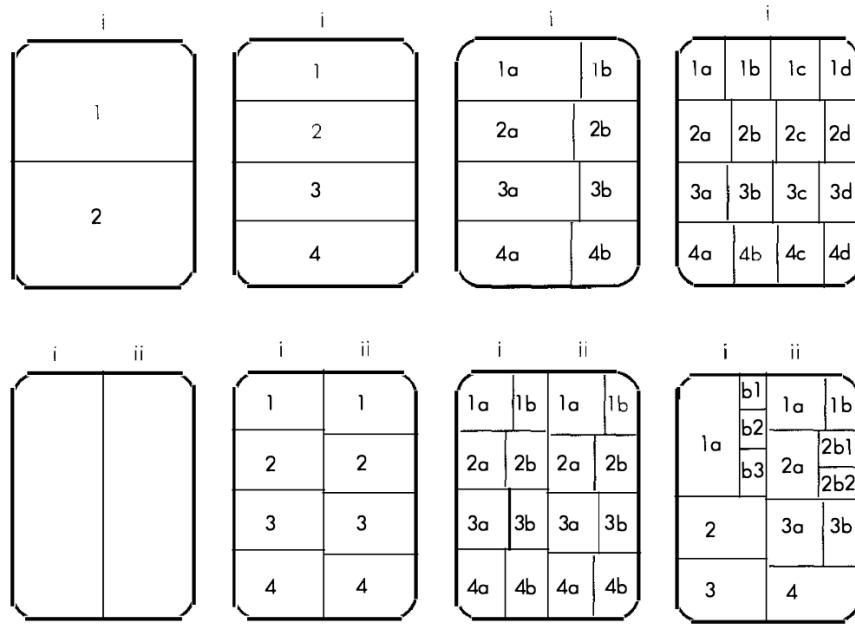


Figure 11: Sample tablet organizations; the CDLI transliterations utilize dotted line numbers to address cases of the form 1a.b2 etc. Extract of [Eng98, p. 58].

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 6.3.

### 3.4.3 Semantics

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

		Sex Age	Females	Males
SMALL CATTLE: SHEEP AND GOATS	Wool Sheep	Adults	U <sub>8</sub>	UDUNITA a UDUNITA b UDUNITA c
			U <sub>8</sub>	UDUNITA a UDUNITA b UDUNITA c
		Juveniles	SILA <sub>4</sub> KIR <sub>11</sub>	KIR <sub>11</sub> SILANITA
	Fattened Sheep (?)	GUKKAL		a c
				b d
	Goats	Adults	UD <sub>5</sub>	MA <sub>52</sub> +
		Juveniles	EŠGAR	MAŠ +

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

Uruk IV	Uruk III	sign name	meaning	Uruk IV	Uruk II	sign name	meaning
		DUG <sub>a</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>b</sub>	butter fat from sheep's milk			NI <sub>a</sub>	dairy fat ?
		KISIM <sub>b</sub>	butter fat from goat's milk			GA <sub>a</sub>	milk ?
		DUG <sub>b</sub>	dairy fat				
		DUG <sub>c</sub>	dairy fat				
		UKKIN <sub>b</sub> + NI <sub>a</sub>	dairy fat			GARA <sub>2a</sub>	cream ?

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

Figure 13: Signs for dairy products, [Eng98, p. 168].

## 4 Rationale for Separately Encoding Proto-Cuneiform

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

The initial scope of the encoding covered the cuneiform script as used from the Ur III period through the first millennium, although a few distinctions only apparent in the Early Dynastic period, such as IM vs. NI<sub>2</sub>, and a few characters used only in the Early Dynastic period, such as ZAM<sub>x</sub> (ELles 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 IIIb statue of [P225850] with the reference glyph proposed for U+12860 PROTO-CUNEIFORM SIGN IL.

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

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

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

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

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

The same holds for the avoidance of readings of sign sequences; an interoperable encoding of cuneiform is achieved by reading it as nunuz uz<sup>mušen</sup> “duck eggs”, and accordingly using the UZ sign, U+122BB , whereas is read as n sila<sub>3</sub> še mušen niga “n sila of barley for the fattened birds”, and thus encoded using the sequence (U+122BA , U+12137 ). 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 or , or atomically, like or . 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 ŠITA<sub>b3</sub> turns out not to be related to ŠITA, but instead to SILA<sub>x</sub>(LAK636) [Wag16, p. 220]; proto-cuneiform KAB is not the ancestor of cuneiform KAB, but instead that of HUB<sub>2</sub> and TUKU [Wag16, p. 274], a misnomer perhaps attributable to the second millennium - merger. Similarly, the realisation that in ED cuneiform the signs LAK031 and LAK032 corespond to uri<sub>3</sub>, “standard” and šeš, “brother”, respectively, is reversed in the naming of PC URI<sub>3-a</sub> and ŠEŠ<sub>-b</sub>, 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  IM<sub>a</sub> and  NI<sub>2</sub> into cuneiform  TE,  IM, and  NI<sub>2</sub>, or [Wag16, p. 220] on the three proto-cuneiform ancestors of  LAK636. In many cases, it is still poorly understood and may remain so.

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

## 4.1 ED I-II Excluded from the Proposal

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

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

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

### 8. Period of late proto-cuneiform

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

Appearing about 15 years later, Lecompte and Verderame's edition of ED I-II fragments from Ur observed that there are key features of the writing system that depart from the earlier PC practices, and 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~a</sub>, E<sub>2~b</sub>...; 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  $gu_2-an-\check{se}_3$ .

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

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

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

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

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

#### 4.1.2 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 at [https://cdli.ucla.edu/corpora/pc/](#) 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	1258	485	1743	1957	1084	3041
JN	2	0	2	0	0	0	234	31	265
Umma	0	0	0	0	0	0	93	305	398
Uqair	0	0	0	0	0	0	42	0	42
Misc	23	11	34	33	12	45	586	68	654
total	83	11	94	1291	497	1788	2912	1488	4400

### 5.1.4 PC25 Corpus

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

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

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

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

## 5.2 Signs

### 5.2.1 Grapheme Distribution

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

### 5.2.2 PCSL Corpus Grapheme Distribution

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

## 5.3 Lists

### 5.3.1 Historic Lists

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

### 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]: Administative texts from Jemdet Nasr, replacing PI and ZATU

**MSVO4** [Eng96]: Administrative texs 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 Schoyen Umma texts that was never completed.

### 5.3.5 The Oracc List

The Oracc project PCSL [Tin24] provides a complete, corpus-based sign list comprising the CDLI texts from the Uruk V, Uruk IV, and Uruk III periods. PCSL was created in support of assessing previous proposals and eventually preparing the current proposal. It is based on CDLI-gh, and augments that collection with additional signs and glyphs from the 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<sub>2</sub>| may mean "a one-year-old cow" and could equally well be notated as 1(N57) AB<sub>2</sub>—in fact, the corpus instances of such sequences often occur in both forms.
- Sign forms are abstractions; two-dimensional sketches of a three-dimensional writing system which tend to offer typical forms. This means that sign lists do not normally capture the full range of glyph-variation for any individual character; simply because a sign does not have unmarked variants in CDLI-gh doesn't mean such variants don't exist.
- Although most of character readings use sign names that recall SAC signs, Englund is clear that "until the language affinity of the archaic texts is established, these readings remain entirely conventional and often serve only mnemonic purposes, whereas the meaning of many signs is now quite clear" (ATU5 p.19).
- Importantly, Englund is explicit in the introduction that the reference forms of the signs ("graphemes" in Englund's terminology) are only exemplary forms:

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

## 5.4 Coverage

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

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

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

# 6 Principles for Encoding Proto-Cuneiform

Each character that occurs in the PC25 subset of the PCSL corpus has been assessed according to the following principles in order to determine its encodability. Encoded signs are given in 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 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 Numbers

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

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

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

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

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

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

## 6.3 Sequences

Sequences are a class of compound signs which exhibit a low degree of integration with each other. In later cuneiform they are written as a linear sequence in which the constituents and order may vary. In PC, they are written in linear form or as a cluster because PC accounts are laid out in various combinations of cases (or boxes).

The identification of a group of signs as a discrete sequence can vary from one text editor to another, and from one sign list to another. As a result, sequences are a variable and open-ended category which are not suited to encoding as characters. If a sequence such as |MUŠEN.ŠE| were encoded as a character there would be two reasonable representations of the data: the character encoding, and the encoding as the sequence of constituents.

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

## 6.4 Principles

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

1. Treat the PC corpus as the primary source of truth about the 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.
15. Do not encode numbers which are outside of normal ranges for a number type.

## 6.5 Advantages of the Revised Approach

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

- the encoding is better aligned with transliteration practice
- additional glyph variants can be added without impacting the encoding; encoding every glyph variant would open PC to arbitrary open-ended encoding of slight differences with little basis for distinguishing when a variant should be encoded and when not: adopting the position that scholarly annotation of glyph variance as contrastive is required for encoding would set reasonable boundaries on what can be encoded and what should not be.
- new sequences can be added without impacting the encoding; this is especially important for the productive types involving N57 and time notations involving U<sub>4</sub>.

- variant forms can be managed with font features rather than needing encoding.
- the approach is generally more robust in regard to future discoveries as a result of the above points; where absolutely necessary unifications/disunifications could be considered if they are clearly demonstrable improvements to the utility of the encoding.

## 6.6 Reference Glyphs

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

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

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

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

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

## 7 Proposal Documents

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

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

## 7.1 Code Charts

	1269	126A	126B	126C	126D	126E	126F
0							
1							
2							
3							
4							
5							
6							
7							
8							
9							
A							
B							
C							
D							
E							
F							

	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	127A	127B	127C	127D	127E	127F
0																
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5																
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																
1																
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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																	
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4																	
5																	
6																	
7																	
8																	
9																	
A																	
B																	
C																	
D																	
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	12A0	12A1	12A2	12A3	12A4	12A5	12A6	12A7	12A8	12A9	12AA	12AB	12AC	12AD	12AE	12AF
0																
1																
2																
3																
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																
1																
2																
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## 7.2 Character List

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

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

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

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

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

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

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

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

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

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

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



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

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

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

12ADD		PROTO-CUNEIFORM SIGN URU-A2	12B04		PROTO-CUNEIFORM SIGN ZATU620
12ADE		PROTO-CUNEIFORM SIGN URU-A2 TIMES ONE N58	12B05		PROTO-CUNEIFORM SIGN ZATU621-A
12ADF		PROTO-CUNEIFORM SIGN URU-A3 TIMES KALAM-A	12B06		PROTO-CUNEIFORM SIGN ZATU621-B
12AE0		PROTO-CUNEIFORM SIGN URU-B1	12B07		PROTO-CUNEIFORM SIGN ZATU621-C
12AE1		PROTO-CUNEIFORM SIGN URU-B2	12B08		PROTO-CUNEIFORM SIGN ZATU621-D
12AE2		PROTO-CUNEIFORM SIGN URU-C	12B09		PROTO-CUNEIFORM SIGN ZATU622
12AE3		PROTO-CUNEIFORM SIGN URUDU-A	12B0A		PROTO-CUNEIFORM SIGN ZATU623
12AE4		PROTO-CUNEIFORM SIGN URUDU-C	12B0B		PROTO-CUNEIFORM SIGN ZATU624-A
12AE5		PROTO-CUNEIFORM SIGN URUDU-D	12B0C		PROTO-CUNEIFORM SIGN ZATU624-B
12AE6		PROTO-CUNEIFORM SIGN URUDU GUNU-A	12B0D		PROTO-CUNEIFORM SIGN ZATU625
12AE7		PROTO-CUNEIFORM SIGN URUDU GUNU-C	12B0E		PROTO-CUNEIFORM SIGN ZATU626-A
12AE8		PROTO-CUNEIFORM SIGN URUDU GUNU-D	12B0F		PROTO-CUNEIFORM SIGN ZATU626-B
12AE9		PROTO-CUNEIFORM SIGN USH-A	12B10		PROTO-CUNEIFORM SIGN ZATU626-C
12AEA		PROTO-CUNEIFORM SIGN USH-A OVER USH-A	12B11		PROTO-CUNEIFORM SIGN ZATU628-A
12AEB		PROTO-CUNEIFORM SIGN USH-B	12B12		PROTO-CUNEIFORM SIGN ZATU628-B
12AEC		PROTO-CUNEIFORM SIGN USH-B TIMES TAR-C	12B13		PROTO-CUNEIFORM SIGN ZATU629
12AED		PROTO-CUNEIFORM SIGN USH-B OVER USH-B	12B14		PROTO-CUNEIFORM SIGN ZATU630
12AEE		PROTO-CUNEIFORM SIGN USHUR3-B1	12B15		PROTO-CUNEIFORM SIGN ZATU631
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12AF0		PROTO-CUNEIFORM SIGN UTUA-A	12B17		PROTO-CUNEIFORM SIGN ZATU632-B
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12AF5		PROTO-CUNEIFORM SIGN UTUL-C	12B1C		PROTO-CUNEIFORM SIGN ZATU637
12AF6		PROTO-CUNEIFORM SIGN UTUL-D	12B1D		PROTO-CUNEIFORM SIGN ZATU639
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12AFB		PROTO-CUNEIFORM SIGN ZAG-C	12B22		PROTO-CUNEIFORM SIGN ZATU644-B
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12B01		PROTO-CUNEIFORM SIGN ZI-B	12B28		PROTO-CUNEIFORM SIGN ZATU651 TIMES EN-A
12B02		PROTO-CUNEIFORM SIGN ZI-D	12B29		PROTO-CUNEIFORM SIGN ZATU651 TIMES GAR
12B03		PROTO-CUNEIFORM SIGN ZUBI-A	12B2A		PROTO-CUNEIFORM SIGN ZATU651 TIMES MA
12B04		PROTO-CUNEIFORM SIGN ZUBI-A	12B2B		PROTO-CUNEIFORM SIGN ZATU651 TIMES NUN-A
12B05		PROTO-CUNEIFORM SIGN ZUBI-A	12B2C		PROTO-CUNEIFORM SIGN ZATU651 TIMES ZAR-C
12B06		PROTO-CUNEIFORM SIGN ZUBI-A	12B2D		PROTO-CUNEIFORM SIGN ZATU651 TIMES ZAR-C

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12B31		PROTO-CUNEIFORM SIGN ZATU659 TIMES ONE N14	12B58		PROTO-CUNEIFORM SIGN ZATU689
12B32		PROTO-CUNEIFORM SIGN ZATU659 TIMES ONE N58 TENU	12B59		PROTO-CUNEIFORM SIGN ZATU690
12B33		PROTO-CUNEIFORM SIGN ZATU662	12B5A		PROTO-CUNEIFORM SIGN ZATU691
12B34		PROTO-CUNEIFORM SIGN ZATU662 TIMES ONE N14	12B5B		PROTO-CUNEIFORM SIGN ZATU692
12B35		PROTO-CUNEIFORM SIGN ZATU664	12B5C		PROTO-CUNEIFORM SIGN ZATU693
12B36		PROTO-CUNEIFORM SIGN ZATU665	12B5D		PROTO-CUNEIFORM SIGN ZATU693 TENU
12B37		PROTO-CUNEIFORM SIGN ZATU666	12B5E		PROTO-CUNEIFORM SIGN ZATU694-A
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12B3B		PROTO-CUNEIFORM SIGN ZATU672	12B62		PROTO-CUNEIFORM SIGN ZATU694-D TENU
12B3C		PROTO-CUNEIFORM SIGN ZATU674	12B63		PROTO-CUNEIFORM SIGN ZATU695
12B3D		PROTO-CUNEIFORM SIGN ZATU675-A	12B64		PROTO-CUNEIFORM SIGN ZATU696
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12B45		PROTO-CUNEIFORM SIGN ZATU678	12B6C		PROTO-CUNEIFORM SIGN ZATU705
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12B48		PROTO-CUNEIFORM SIGN ZATU680-A2	12B70		PROTO-CUNEIFORM SIGN ZATU708
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12B4C		PROTO-CUNEIFORM SIGN ZATU681	12B74		PROTO-CUNEIFORM SIGN ZATU711 TIMES HI GUNU-A
12B4D		PROTO-CUNEIFORM SIGN ZATU682	12B75		PROTO-CUNEIFORM SIGN ZATU713
12B4E		PROTO-CUNEIFORM SIGN ZATU683-A	12B76		PROTO-CUNEIFORM SIGN ZATU714
12B4F		PROTO-CUNEIFORM SIGN ZATU683-B	12B77		PROTO-CUNEIFORM SIGN ZATU714 TIMES HI GUNU-A
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12B7E		PROTO-CUNEIFORM SIGN ZATU723	12BA5		PROTO-CUNEIFORM SIGN ZATU752
12B7F		PROTO-CUNEIFORM SIGN ZATU725	12BA6		PROTO-CUNEIFORM SIGN ZATU753
12B80		PROTO-CUNEIFORM SIGN ZATU726-A	12BA7		PROTO-CUNEIFORM SIGN ZATU754
12B81		PROTO-CUNEIFORM SIGN ZATU726-C	12BA8		PROTO-CUNEIFORM SIGN ZATU755-A
12B82		PROTO-CUNEIFORM SIGN ZATU726-D	12BA9		PROTO-CUNEIFORM SIGN ZATU755-B
12B83		PROTO-CUNEIFORM SIGN ZATU727	12BAA		PROTO-CUNEIFORM SIGN ZATU756
12B84		PROTO-CUNEIFORM SIGN ZATU728	12BAB		PROTO-CUNEIFORM SIGN ZATU757
12B85		PROTO-CUNEIFORM SIGN ZATU729	12BAC		PROTO-CUNEIFORM SIGN ZATU758
12B86		PROTO-CUNEIFORM SIGN ZATU730	12BAD		PROTO-CUNEIFORM SIGN ZATU759
12B87		PROTO-CUNEIFORM SIGN ZATU732	12BAE		PROTO-CUNEIFORM SIGN ZATU759 TIMES KU6-A
12B88		PROTO-CUNEIFORM SIGN ZATU734	12BAF		PROTO-CUNEIFORM SIGN ZATU759 TIMES KU6-A JOINING
12B89		PROTO-CUNEIFORM SIGN ZATU735-A	12BB0		PROTO-CUNEIFORM SIGN ZATU762-A
12B8A		PROTO-CUNEIFORM SIGN ZATU735-B	12BB1		PROTO-CUNEIFORM SIGN ZATU762-A TIMES NIM-A
12B8B		PROTO-CUNEIFORM SIGN ZATU735-C	12BB2		PROTO-CUNEIFORM SIGN ZATU762-B
12B8C		PROTO-CUNEIFORM SIGN ZATU736-A	12BB3		PROTO-CUNEIFORM SIGN ZATU762-B TIMES AB-A
12B8D		PROTO-CUNEIFORM SIGN ZATU736-B	12BB4		PROTO-CUNEIFORM SIGN ZATU764
12B8E		PROTO-CUNEIFORM SIGN ZATU737	12BB5		PROTO-CUNEIFORM SIGN ZATU765
12B8F		PROTO-CUNEIFORM SIGN ZATU737 TIMES AB-A	12BB6		PROTO-CUNEIFORM SIGN ZATU766
12B90		PROTO-CUNEIFORM SIGN ZATU737 TIMES BU-A	12BB7		PROTO-CUNEIFORM SIGN ZATU767
12B91		PROTO-CUNEIFORM SIGN ZATU737 TIMES BUR-A	12BB8		PROTO-CUNEIFORM SIGN ZATU772
12B92		PROTO-CUNEIFORM SIGN ZATU737 TIMES DI	12BB9		PROTO-CUNEIFORM SIGN ZATU773-A
12B93		PROTO-CUNEIFORM SIGN ZATU737 TIMES EN-A	12BBA		PROTO-CUNEIFORM SIGN ZATU773-B
12B94		PROTO-CUNEIFORM SIGN ZATU737 TIMES EN-B	12BBB		PROTO-CUNEIFORM SIGN ZATU774
12B95		PROTO-CUNEIFORM SIGN ZATU737 TIMES GAR	12BBC		PROTO-CUNEIFORM SIGN ZATU775
12B96		PROTO-CUNEIFORM SIGN ZATU737 TIMES NI-A GUNU	12BBD		PROTO-CUNEIFORM SIGN ZATU776
12B97		PROTO-CUNEIFORM SIGN ZATU737 TIMES NIMGIR	12BBE		PROTO-CUNEIFORM SIGN ZATU777
12B98		PROTO-CUNEIFORM SIGN ZATU737 TIMES SAL	12BBF		PROTO-CUNEIFORM SIGN ZATU778
12B99		PROTO-CUNEIFORM SIGN ZATU737 TIMES SU-A	12BC0		PROTO-CUNEIFORM SIGN ZATU780
12B9A		PROTO-CUNEIFORM SIGN ZATU737 TIMES SHE-A	12BC1		PROTO-CUNEIFORM SIGN ZATU781
12B9B		PROTO-CUNEIFORM SIGN ZATU737 TIMES SHITA-A1	12BC2		PROTO-CUNEIFORM SIGN ZATU782
12B9C		PROTO-CUNEIFORM SIGN ZATU737 TIMES U4	12BC3		PROTO-CUNEIFORM SIGN ZATU783
12B9D		PROTO-CUNEIFORM SIGN ZATU737 TIMES UNUG-A	12BC4		PROTO-CUNEIFORM SIGN ZATU784
12B9E		PROTO-CUNEIFORM SIGN ZATU749-A	12BC5		PROTO-CUNEIFORM SIGN ZATU786
12B9F		PROTO-CUNEIFORM SIGN ZATU749-B	12BC6		PROTO-CUNEIFORM SIGN ZATU787
12BA0		PROTO-CUNEIFORM SIGN ZATU749-C	12BC7		PROTO-CUNEIFORM SIGN ZATU788
12BA1		PROTO-CUNEIFORM SIGN ZATU750	12BC8		PROTO-CUNEIFORM SIGN ZATU791
12BA2		PROTO-CUNEIFORM SIGN ZATU751-A	12BC9		PROTO-CUNEIFORM SIGN ZATU792
12BA3		PROTO-CUNEIFORM SIGN ZATU751-B	12BCA		PROTO-CUNEIFORM SIGN ZATU795
			12BCB		PROTO-CUNEIFORM SIGN ZATU797

12BCC		PROTO-CUNEIFORM SIGN ZATU798	12BE6		PROTO-CUNEIFORM SIGN ZATU858
12BCD		PROTO-CUNEIFORM SIGN ZATU799	12BE7		PROTO-CUNEIFORM SIGN ZATU859
12BCE		PROTO-CUNEIFORM SIGN ZATU800	12BE8		PROTO-CUNEIFORM NUMERIC SIGN TWO LAGAB-A
12BCF		PROTO-CUNEIFORM SIGN ZATU801	12BE9		PROTO-CUNEIFORM NUMERIC SIGN THREE LAGAB-A
12BD0		PROTO-CUNEIFORM SIGN ZATU802	12BEA		PROTO-CUNEIFORM NUMERIC SIGN FOUR LAGAB-A
12BD1		PROTO-CUNEIFORM SIGN ZATU802-B	12BEB		PROTO-CUNEIFORM NUMERIC SIGN SIX LAGAB-A
12BD2		PROTO-CUNEIFORM SIGN ZATU803	12BEC		PROTO-CUNEIFORM NUMERIC SIGN ONE N57
12BD3		PROTO-CUNEIFORM SIGN ZATU804	12BED		PROTO-CUNEIFORM NUMERIC SIGN TWO N57
12BD4		PROTO-CUNEIFORM SIGN ZATU806	12BEE		PROTO-CUNEIFORM NUMERIC SIGN THREE N57
12BD5		PROTO-CUNEIFORM SIGN ZATU807	12BEF		PROTO-CUNEIFORM NUMERIC SIGN FOUR N57
12BD6		PROTO-CUNEIFORM SIGN ZATU808	12BF0		PROTO-CUNEIFORM NUMERIC SIGN FIVE N57
12BD7		PROTO-CUNEIFORM SIGN ZATU809	12BF1		PROTO-CUNEIFORM NUMERIC SIGN SIX N57
12BD8		PROTO-CUNEIFORM SIGN ZATU810	12BF2		PROTO-CUNEIFORM NUMERIC SIGN SEVEN N57
12BD9		PROTO-CUNEIFORM SIGN ZATU811	12BF3		PROTO-CUNEIFORM NUMERIC SIGN EIGHT N57
12BDA		PROTO-CUNEIFORM SIGN ZATU812	12BF4		PROTO-CUNEIFORM NUMERIC SIGN NINE N57
12BDB		PROTO-CUNEIFORM SIGN ZATU813	12BF5		PROTO-CUNEIFORM NUMERIC SIGN TEN N57
12BDC		PROTO-CUNEIFORM SIGN ZATU819	12BF6		PROTO-CUNEIFORM NUMERIC SIGN ONE N58
12BDD		PROTO-CUNEIFORM SIGN ZATU832	12BF7		PROTO-CUNEIFORM NUMERIC SIGN TWO N58
12BDE		PROTO-CUNEIFORM SIGN ZATU833	12BF8		PROTO-CUNEIFORM NUMERIC SIGN THREE N58
12BDF		PROTO-CUNEIFORM SIGN ZATU834	12BF9		PROTO-CUNEIFORM NUMERIC SIGN FOUR N58
12BE0		PROTO-CUNEIFORM SIGN ZATU835	12BFA		PROTO-CUNEIFORM NUMERIC SIGN FIVE N58
12BE1		PROTO-CUNEIFORM SIGN ZATU836	12BFB		PROTO-CUNEIFORM NUMERIC SIGN EIGHT N58
12BE2		PROTO-CUNEIFORM SIGN ZATU847	12BFC		PROTO-CUNEIFORM NUMERIC SIGN NINE N58
12BE3		PROTO-CUNEIFORM SIGN ZATU850	12BFD		PROTO-CUNEIFORM NUMERIC SIGN TEN N58
12BE4		PROTO-CUNEIFORM SIGN ZATU851	12BFE		PROTO-CUNEIFORM NUMERIC SIGN TWELVE N58
12BE5		PROTO-CUNEIFORM SIGN ZATU854	12BFF		PROTO-CUNEIFORM NUMERIC SIGN ONE N58 TENU

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- [P000011] VAT 17685. Berlin, Germany: Vorderasiatisches Museum.  
CDLI: [P000011](#).
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CDLI: [P000025](#).
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CDLI: [P003500](#).
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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/pcls>) 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.

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

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

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

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

## A PCSL Table

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

**PCSL** The core PCSL data:

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

ACN=Archaic Cuneiform Numbers	PC25-bk=PC25-eligible but broken so no codepoint
DEL=delete	PC25-sq=PC25-eligible but sequence so no codepoint
EDI=ED I/II	PC25=PC25 encoded
NOT=not encoded	Pelm=planned for Proto-Elamite
NUM=number	UNP=occurs in unpublished texts only
OOR=out-of-range number	ZERO=zero occurrences.
OOR5=out-of-range Uruk V number	

- In the distribution summary, IV and III stand for Uruk IV and III periods, respectively; 'p' and 'u' for published and unpublished. Uruk V instances are not included.
- CDLI names either from print sources or in the CDLI-gh name list that have been adapted to PCSL conventions appear in this block with the prefix CDLI:.
- CDLI names used in the transliterated corpus which are handled using aliases in the validation data appear in this block with the prefix AKA:.

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

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
A 12690	 PC25	 12690		 12690	 12690	 12690	 12690
584x IV: 30p/17u; III: 340p/183u	o0980000 ZATU001	1 F207A		 12690	 12690	 12690	 12690
AxAB <sub>2</sub>   3x III: 3u	UNP o0980001	<> F2400	<>				
AxA <u>N</u>   o0980002	EDI	* F24F2	*				
AxE <u>N</u> -a  1x IV: 1p	PC25 o0980003 ZATU002	 12691	 12691	 12691	 12691		

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
A×ŠUBUR  12692		PC25						
1x IV: 1p	<a href="#">o0980004</a>	ZATU003	12692			12692		
A×ZATU672  12693		PC25						
1x IV: 1p	<a href="#">o0980005</a>	ZATU005	12693			12693		
A×1(N14)  12694		PC25						
1x IV: 1p	<a href="#">o0980006</a>	ZATU004	12694					
A@g		EDI						
			F24CC					
A@t		UNP						
1x III: 1u	<a href="#">o0980008</a>		F2401					
A₂ 12695		PC25						
2x IV: 1p	<a href="#">o0980009</a>	ZATU006	12695	12695	12695			
AB~a 12696		PC25						
450x IV: 31p/6u; III: 315p/93u	<a href="#">o0980010</a>	ZATU007	12696	12696	12696	12696	12696	
AB~a×A@t  12697		PC25						
2x IV: 1p/1u	<a href="#">o0980011</a>		12697			12697		
12698		PC25						
2x III: 2p	<a href="#">o0980012</a>	ZATU009	12698	12698	12698			
AB~a×KU₆~a  o0980013		ZERO						
ZATU389			F2402					
AB~a×SUKKAL  o0980014		UNP						
3x III: 3u	<a href="#">o0980014</a>		F2403					
AB~a×(ŠE~a&ŠE~a)  12699		PC25						
3x III: 3p	<a href="#">o0980015</a>		12699					F207E
12699		ZERO						
o0980016			F2404					
AB~a×ZATU659  1269A		PC25						
3x III: 3p	<a href="#">o0980017</a>	ZATU010	1269A		1269A			
AB~a×1(N01)  o0980018		ZERO						
o0980018			F2405					
AB~a×1(N04)  1269B		PC25						
3x III: 3p	<a href="#">o0980019</a>		1269B					1269B

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
AB~a@g 1269C	PC25 	1269C 	1269C 				
3x IV: 1u; III: 1p/1u o0980020	ZATU011						
AB~b 1269D	PC25 	1269D 	1269D 	1269D 	1269D 	1269D 	
90x IV: 1p/2u; III: 53p/32u o0980021	ZATU007						
AB~bxA	UNP	1269D 	1269D 				
1x III: 1u o0980022	ZATU008	F2406					
AB~bxEKU <sub>6</sub> ~a	UNP	1269D 	1269D 				
1x III: 1u o0980023		F2407					
AB~bxEŠA <sub>3</sub> ~a1	UNP	1269D 	1269D 				
1x III: 1u o0980024		F2408					
AB <sub>2</sub> 1269E	PC25 	1269E  1 F207F  2 F2080 	1269E 				
350x IV: 80p/7u; III: 199p/51u o0980025	ZATU012						
AB <sub>2</sub> x2(N14)  1269F	PC25 	1269F  1 F2081  2 F2080 	1269F  1 F2081  2 F2080 	1269F  1 F2081  2 F2080 	1269F  1 F2081  2 F2080 		
2x IV: 2p o0980026	ZATU013	1269F					
AB <sub>2</sub> @g	UNP	1269F 	F2525 				
1x o0980027							
ABGAL	PC25-sq	1269F  1 F2082  2 F2083 					
51x III: 40p/9u o0980028	ZATU015						
ABRIG	PC25-sq	1269F  1 F2084  2 F2085 	1269F  1 F2084  2 F2085 	1269F  1 F2084  2 F2085 			
2x III: 2p o0980029	ZATU016						
ABZU 126A0	PC25 	126A0  1 F2226 	126A0  1 F2226 	126A0  1 F2226 			126A0 
5x III: 5p o0980030	ZATU017						
AD~a 126A1	PC25 	126A1 	126A1 	126A1 	126A1 	126A1 	
51x III: 37p/14u o0980031	ZATU018						
AD~b 126A2	PC25 	126A2 	126A2 	126A2 			
3x IV: 1p; III: 2p o0980032	ZATU018						
AD~c 126A3	PC25 	126A3 	126A3 		126A3 		
9x IV: 1p; III: 6p/2u o0980033	ZATU018						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>ADAB</b> 126A4	PC25	126A4	126A4	126A4		126A4	
44x IV: 14p/4u; III: 15p/9u	o0980034	ZATU019	1 F2086				
<b>ADDA</b> 126A5	PC25	126A5	126A5	126A5			
1x III: 1p	o0980035	ZATU020					
<b>ADDA@t</b>	ZERO	F2409	F2409				
<b>AGAR<sub>2</sub></b> 126A6	PC25	126A6	126A6	126A6		126A6	
18x III: 16p/2u	o0980037	ZATU022					
<b>AK~a</b> 126A7	PC25	126A7	126A7	126A7	126A7		
56x IV: 8p/1u; III: 34p/12u	o0980038	ZATU023					
<b>AK~b</b> 126A8	PC25	126A8	126A8				
2x IV: 2p	o0980039	ZATU023					
<b>AL</b> 126A9	PC25	126A9	126A9	126A9	126A9		
132x IV: 10p/3u; III: 79p/39u	o0980040	ZATU024					
<b>ALAN~a</b> 126AA	PC25	126AA	126AA				
8x IV: 2u; III: 5p/1u	o0980041	ZATU025					
<b>ALAN~b</b> 126AB	PC25	126AB	126AB	126AB			
7x III: 4p/3u	o0980042	ZATU025					
<b>ALAN~c</b> 126AC	PC25	126AC	126AC				
8x IV: 1u; III: 5p/2u	o0980043	ZATU025					
<b>ALAN~d</b>	UNP	F240A	F240A				
1x IV: 1u	o0980044	ZATU025					
<b>ALAN~e</b> 126AD	PC25	126AD	126AD			126AD	
2x III: 2p	o0980045	ZATU025					
<b>ALAN~f</b>	EDI	F24CD	F24CD				
	o0980046	ZATU025					
<b>ALIM</b> 126AE	PC25	126AE	126AE	126AE (a)			
12x III: 10p/2u	o0980047	ZATU026					
<b>AM~a</b> 126AF	PC25	126AF	126AF				
2x III: 2p	o0980048	ZATU027					
<b>AM~b</b> 126B0	PC25	126B0	126B0	126B0			
2x III: 2p	o0980049	ZATU027					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
AMA~a 126B1 105x IV: 16p/1u; III: 60p/20u o0980050	PC25 ZATU028	126B1 F2087	126B1 F2087	126B1 F2087	126B1 F2087	126B1 F2087	126B1 F2087
AMA~axE <sub>2</sub> ~a  126B2 4x III: 3p/1u o0980051	PC25	126B2	126B2			126B2	
AMA~b 126B3 6x IV: 1p/1u; III: 4p o0980052	PC25 ZATU028	126B3	126B3				
AMAR 126B4 164x IV: 21p/8u; III: 95p/29u o0980053	PC25 ZATU029	126B4 1 F2088 2 F2089	126B4 F2088	126B4 F2088	126B4 F2088	126B4 F2088	126B4 F2088
AMAR.1(N02)  2x III: 2p o0980054	PC25-sq	F222A	F222A			F222A	
AMARxTAR~c  126B5 AKA:  AMARxTAR  CDLI:  AMARxTAR  1x IV: 1p o0980055	PC25 ZATU030	126B5	126B5	126B5 (o)			
AMAR&AMAR  126B6 1x IV: 1p o0980056	PC25	126B6	126B6				
AMAR@g CDLI:  AMAR@g  1x IV: 1p o0980057	PC25-bk	F240B	F240B				
AN 126B7 992x IV: 104p/20u; III: 565p/274u o0980058	PC25 ZATU031	126B7 1 F208A 2 F208B 3 F208C	126B7	126B7 F208A F208B F208C	126B7 126B7	126B7 126B7	126B7 126B7
ANŠE~a 126B8 9x IV: 3p/2u; III: 3p/1u o0980059	PC25 ZATU032	126B8	126B8				
ANŠE~b 126B9 32x IV: 1p/1u; III: 20p/9u o0980060	PC25 ZATU032	126B9	126B9	126B9 (a)	126B9 (a)	126B9 (a)	126B9 (a)
ANŠE~c 126BA 4x IV: 1p; III: 2p/1u o0980061	PC25 ZATU032	126BA	126BA				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ANŠE~e 126BB	PC25 	126BB 					
9x IV: 3p; III: 4p/2u o0980062 ZATU032							
ANŠE~f 126BC	PC25 	126BC 					126BC 
5x III: 5p o0980063 ZATU032							
ANZU <sub>2</sub>	EDI o0980064	*	*				
APIN~a 126BD	PC25 						
AKA: APIN 230x IV: 18p/5u; III: 137p/65u o0980065 ZATU033		126BD 	126BD 	126BD 	126BD 	126BD 	126BD 
APIN~a.APIN~a	PC25-sq						
1x IV: 1p o0980066		F222C 					
APIN~b 126BE	PC25 	126BE 	126BE 	126BE 	126BE 		
13x III: 9p/3u o0980067 ZATU033							
APIN~c 126BF	PC25 						
2x IV: 1p; III: 1p o0980068 ZATU033		126BF 	126BF 	126BF 			
ARARMA <sub>2~a</sub> 126C0	PC25 	1 F208C 	1 F208C 	126C0 			
12x III: 6p/5u o0980069 ZATU034		126C0 	126C0 				
ARARMA <sub>2~b</sub>	PC25-sq						
2x IV: 1p; III: 1p o0980070 ZATU034		F2273 	F2273 	F2273 			
ARATTA	PC25-sq						
1x III: 1p o0980071 ZATU035		F229F 					
ASAL <sub>2</sub>	EDI o0980072						
ASAR 126C1	PC25 						
19x III: 17p/2u o0980073 ZATU036		126C1 	126C1 	126C1 			
AS <sub>2</sub>	UNP						
1x III: 1u o0980074		F240C 					
AZ 126C2	PC25 						
21x III: 20p/1u o0980075 ZATU038		126C2 	126C2 				
AZU 126C3	PC25 						
2x IV: 2p o0980076 ZATU039		126C3 	126C3 	126C3 			

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
BA 126C4  779x IV: 108p/17u; III: 429p/202u	PC25  o0980077 ZATU040	 126C4	 126C4	 126C4	 126C4	 126C4	
BAD 126C5  104x IV: 19p/3u; III: 58p/23u	PC25  o0980078 ZATU041	 126C5	 126C5	 126C5	 126C5		
BAD&BAD  126C6  42x IV: 1p/2u; III: 27p/10u	PC25  o0980079 ZATU042	 126C6	 126C6	 126C6			
BAD <sub>3</sub> ~a 126C7  2x III: 2p	PC25  o0980080 ZATU044	 126C7	 126C7	 126C7			
BAD <sub>3</sub> ~b1 126C8  4x III: 1p/3u	PC25  o0980081 ZATU044	 126C8	 126C8				
BAD <sub>3</sub> ~b2 126C9  AKA:  EZEM~b×AN  4x III: 2p/1u	PC25  o0980082 ZATU044	 126C9	 126C9				
BAHAR <sub>2</sub> ~a 126CA  22x IV: 1p/2u; III: 11p/6u	PC25  o0980083 ZATU045	 126CA  1 F208D	 126CA  1 F208D	 126CA  1 F208D			
BAHAR <sub>2</sub> ~b 126CB  27x IV: 1p/1u; III: 17p/8u	PC25  o0980084 ZATU045	 126CB  1 F208E	 126CB  1 F208E	 126CB  1 F208E	 126CB  1 F208E	 126CB  1 F208E	
BAHAR <sub>2</sub> ~c 126CC  19x III: 14p/5u	PC25  o0980085 ZATU045	 126CC  126CC	 126CC  126CC			 126CC  126CC	 126CC  126CC
BALA~a 126CD  19x III: 18p/1u	PC25  o0980086 ZATU046	 126CD  126CD	 126CD  126CD	 126CD  126CD	 126CD  126CD		
BALA~b 126CE  2x IV: 1p; III: 1p	PC25  o0980087 ZATU046	 126CE  1 F208F	 126CE  1 F208F				
BALAG 126CF  20x IV: 7p/1u; III: 9p/3u	PC25  o0980088 ZATU047	 126CF  1 F2090	 126CF  1 F2090	 126CF  1 F2090	 126CF  1 F2090		
BAN~a 126D0  17x IV: 8p/1u; III: 6p/2u	PC25  o0980089 ZATU048	 126D0  1 F2091 2 F2092 126D0	 126D0  1 F2091 2 F2092 126D0	 126D0  1 F2091 2 F2092 126D0	 126D0  1 F2091 2 F2092 126D0		

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
BAN~b 126D1		PC25						
16× IV: 1u; III: 2p/13u	<a href="#">o0980090</a>	ZATU048	126D1	126D1	126D1	126D1	126D1	
BANŠUR~a 126D2		PC25						
1× IV: 1p	<a href="#">o0980091</a>	ZATU049	126D2	126D2	126D2	126D2	126D2	
BANŠUR~a@t 126D3		PC25						
1× IV: 1p	<a href="#">o0980092</a>		126D3					
BANŠUR~b1 126D4		PC25						
3× III: 2p/1u	<a href="#">o0980093</a>	ZATU049	126D4	126D4	126D4	126D4	126D4	
BANŠUR~b2 126D5		PC25						
1× III: 1p	<a href="#">o0980094</a>	ZATU049	126D5	126D5	126D5	126D5	126D5	
BANŠUR~c 126D6		PC25						
2× III: 2p	<a href="#">o0980095</a>	ZATU049	126D6	126D6	126D6	126D6	126D6	
BAPPIR~a 126D7		PC25						
4× III: 3p/1u	<a href="#">o0980096</a>	ZATU050	126D7	126D7	126D7	126D7	126D7	
BAPPIR~b 126D8		PC25						
3× III: 3p	<a href="#">o0980097</a>	ZATU050	126D8	126D8	126D8	126D8	126D8	
BAPPIR~c 126D9		PC25						
1× III: 1p	<a href="#">o0980098</a>	ZATU050	126D9	126D9	126D9	126D9	126D9	
BAPPIR~d 126DA		PC25						
6× III: 6p	<a href="#">o0980099</a>	ZATU050	126DA	126DA	126DA	126DA	126DA	
BAPPIR~e 126DB		PC25						
1× III: 1p	<a href="#">o0980100</a>	ZATU050	126DB	126DB	126DB	126DB	126DB	
BAPPIR~f 126DC		PC25						
1× III: 1p	<a href="#">o0980101</a>	ZATU050	126DC	126DC	126DC	126DC	126DC	
BAR 126DD		PC25						
426× IV: 27p/13u; III: 267p/113u	<a href="#">o0980102</a>	ZATU051	126DD	126DD	126DD	126DD	126DD	
BAR×URI <sub>3</sub> ~a	NOT							
	<a href="#">o0980103</a>		F252D					
BAR×UŠ~a	NOT							
	<a href="#">o0980104</a>		F253E					
BARA <sub>2</sub> ~a 126DE		PC25						
75× IV: 13p/5u; III: 33p/13u	<a href="#">o0980105</a>	ZATU052	126DE	126DE	126DE	126DE	126DE	
			1 F2093					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>BARA<sub>2</sub>~b</b> 126DF	PC25	 126DF F2094			 126DF		
4x IV: 4p	<a href="#">o0980106</a>	ZATU052					
<b>BARA<sub>3</sub></b> 126E0	PC25	 126E0		 126E0		 126E0	
18x III: 15p/3u	<a href="#">o0980107</a>	ZATU053					
<b>BAU405</b>	EDI	 F24EF					
CDLI:  UET <sub>2</sub> .405	<a href="#">o0980108</a>						
<b>BIR~a</b> 126E1	PC25	 126E1		 126E1			
6x IV: 3p; III: 1p/1u	<a href="#">o0980109</a>	ZATU054					
<b>BIR~b</b> 126E2	PC25	 126E2			 126E2		
1x IV: 1p	<a href="#">o0980110</a>	ZATU054					
<b>BIR~c</b> 126E3	PC25	 126E3		 126E3			
1x IV: 1p	<a href="#">o0980111</a>	ZATU054					
<b>BIR<sub>3</sub>~a</b> 126E4	PC25	 1 F2095   F2095  126E4					
18x IV: 1p; III: 14p/3u	<a href="#">o0980112</a>	ZATU055	  F2095  126E4				
<b>BIR<sub>3</sub>~b</b> 126E5	PC25	 1 F2096   F2096  126E5					
7x IV: 3p; III: 1p/3u	<a href="#">o0980113</a>	ZATU055	  F2096  126E5				
<b>BIR<sub>3</sub>~c</b> 126E6	PC25	 126E6   126E6  F2097					
4x III: 4p	<a href="#">o0980114</a>	ZATU055					
<b>BU~a</b> 126E7	PC25	 1 F2098   126E7  126E7					
568x IV: 44p/6u; III: 349p/153u	<a href="#">o0980115</a>	ZATU056	  126E7  126E7				
((BU~a.DU <sub>6</sub> ~a)&(BU~a.DU <sub>6</sub> ~a))xDU~a  ZERO		 F2523					 F2523
<a href="#">o0980116</a>							
<b> BU~a+DU<sub>6</sub>~a </b> 126E8	PC25	 126E8   126E8  126E8					
AKA:  BU~a.DU <sub>6</sub> ~a							
61x IV: 3p/1u; III: 45p/10u	<a href="#">o0980117</a>	ZATU059	  126E8  126E8				
<b> BU~a+KI </b> 126E9	PC25	 126E9					 126E9
1x III: 1p	<a href="#">o0980118</a>						
<b> BU~a+TU~b </b>	ZERO	 F2526					 F2526
<a href="#">o0980119</a>							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
BU~a×A  126EA	PC25 	126EA 	126EA 	126EA 		126EA 	
2× IV: 1p; III: 1p o0980120	ZATU057						
BU~a×GIŠ@t  1× III: 1u o0980121	UNP	F240D 	F240D 				
BU~a×1(N58)  1× III: 1u o0980122	UNP	F240E 	F240E 				
(BU~a&BU~a).NA₂~a  126EB	PC25 	126EB 	126EB 	F209A 	126EB 		
8× IV: 1p; III: 7p o0980123	ZATU058						
(BU~a&BU~a).NA₂~b  o0982241	DEL ZATU058	F209B 	F209B 				
(BU~a&BU~a).X  1× o0980124	PC25-bk	F240F 	F240F 				
(BU~a%BU~a).NA₂~a@n  126EC	PC25 	126EC 	126EC 	F209C 			
AKA:  (BU~a&BU~a).NA₂~a@n  CDLI:  (BU~a&BU~a).NA₂~a@n  2× IV: 1p o0980125		1 2 F209C 					
BU~b 126ED	PC25 	126ED 	126ED 	126ED 	126ED 		
14× IV: 2p; III: 10p/1u o0980126	ZATU056						
BU~b.NA₂~a  1× III: 1u o0980127	UNP	F222D 	F222D 				
BU₃ 126EE 	PC25 	126EE 	126EE 	(a) 126EE 	(a) 126EE 		
AKA: BU₃~a 30× III: 24p/6u o0980128	ZATU060						
BULUG 126EF	PC25 	126EF 	126EF 	126EF 			
4× IV: 1p/1u o0980129	ZATU061						
BULUG₃ 126F0	PC25 	126F0 	126F0 	126F0 			
35× III: 30p/5u o0980130	ZATU062						
BULUG₃.DU₆~a  o0980131	ZERO	F222E 	F222E 				
BUR~a 126F1	PC25 	126F1 	126F1 	126F1 	126F1 		
37× IV: 1u; III: 27p/9u o0980132	ZATU063						
BUR~b 126F2	PC25 	126F2 	126F2 	126F2 			
8× IV: 1p; III: 7p o0980133	ZATU063						

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
BUR~c 126F3		PC25						
1× IV: 1p	<a href="#">o0980134</a>	ZATU063	126F3					
BUR~d 126F4		PC25						
1× III: 1p	<a href="#">o0980135</a>	ZATU063	126F4					
BUR <sub>2</sub> 126F5		PC25						
52× IV: 2p/2u; III: 33p/13u	<a href="#">o0980136</a>	ZATU064	126F5		126F5			
DA~a 126F6		PC25						
243× IV: 22p/5u; III: 138p/74u	<a href="#">o0980137</a>	ZATU065	126F6		126F6	126F6	126F6	126F6
DA~a.LIŠ		UNP						
1× III: 1u	<a href="#">o0980138</a>		F222F					
DA~b 126F7		PC25						
6× IV: 4p	<a href="#">o0980139</a>	ZATU065	126F7		126F7	126F7		
DA~c 126F8		PC25						
2× IV: 2p	<a href="#">o0980140</a>	ZATU065	126F8			126F8		
DA~d 126F9		PC25						
1× IV: 1p	<a href="#">o0980141</a>	ZATU065	126F9			126F9		
DAG		EDI						
		<a href="#">o0980142</a>	F24CF					
DAH 126FA		PC25						
26× IV: 1p; III: 21p/4u	<a href="#">o0980143</a>	ZATU066	126FA		126FA	126FA	126FA	126FA
DAM 126FB		PC25						
14× III: 14p	<a href="#">o0980144</a>	ZATU067	126FB		126FB			
DANNA 126FC		PC25						
9× IV: 1p; III: 3p/5u	<a href="#">o0980145</a>	ZATU068	126FC					
DAR~a 126FD		PC25						
25× III: 14p/11u	<a href="#">o0980146</a>	ZATU069	126FD		126FD		126FD	
DAR~a×A  126FE		PC25						
1× III: 1p	<a href="#">o0980147</a>		126FE					
DAR~b 126FF		PC25						
27× III: 12p/15u	<a href="#">o0980148</a>	ZATU069	126FF			126FF		

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DAR~c 12700		PC25						
6× III: 4p/2u o0980149 ZATU069			12700					
DAR~d		UNP						
1× III: 1u o0980150 ZATU069			F2410					
DARA <sub>3</sub> ~a 12701		PC25						
4× IV: 3p; III: 1u o0980151 ZATU070			12701					
DARA <sub>3</sub> ~b 12702		PC25						
1× IV: 1p o0980152 ZATU070			12702					
DARA <sub>3</sub> ~c 12703		PC25						
7× IV: 1p; III: 4p/2u o0980153 ZATU070			12703					
1 F209D								
DARA <sub>3</sub> ~c×KAR <sub>2</sub>   12704		PC25						
3× III: 2p/1u o0980154 ZATU071			12704					
1 F209E								
DARA <sub>3</sub> ~c×(KAR <sub>2</sub> .ŠE~a)  12705		PC25						
1× IV: 1p o0980155 ZATU072			12705					
DARA <sub>3</sub> ~d 12706		PC25						
1× III: 1p o0980156 ZATU070			12706					
DARA <sub>3</sub> ~d×(KAR <sub>2</sub> .ŠE~a)  12707		PC25						
1× III: 1p o0980157 ZATU072			12707					
DARA <sub>3</sub> ~d×KAR <sub>2</sub> -b  12708		PC25						
AKA:  DARA <sub>3</sub> ~d×KAR <sub>2</sub>    DARA <sub>3</sub> ~d×KAR <sub>2</sub>  - CDLI:  DARA <sub>3</sub> ~d×KAR <sub>2</sub>  - 8× IV: 2p; III: 2p/3u o0980158 ZATU071			1 F209F					
2 F20A0			12708					
12708								
1 F209F								
DARA <sub>4</sub> ~a1 12709		PC25						
31× IV: 2p; III: 23p/4u o0980159 ZATU073			12709					
DARA <sub>4</sub> ~a2 1270A		PC25						
3× IV: 3p o0980160 ZATU073			1270A					
DARA <sub>4</sub> ~a3 1270B		PC25						
2× IV: 1p/1u o0980161 ZATU073			1270B					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DARA <sub>4</sub> ~b 1270C	PC25 	1270C 	1270C 	1270C 			
6× IV: 3p/1u; III: 1p/1u		ZATU073					
DARA <sub>4</sub> ~c 1270D	PC25 	1270D 					1270D 
1× III: 1p		ZATU073					
DARA <sub>4</sub> ~c1 1270E	PC25 	1270E 	1270E 			1270E 	
19× IV: 1p; III: 9p/9u		ZATU073					
DARA <sub>4</sub> ~c2 1270F	PC25 	1270F 	1270F 				
27× IV: 3p; III: 17p/7u		ZATU073					
DARA <sub>4</sub> ~c3 12710	PC25 	12710 	12710 				
5× III: 3p/1u		ZATU073					
DARA <sub>4</sub> ~c4 12711	PC25 	12711 	12711 				
11× III: 7p/4u		ZATU073					
DARA <sub>4</sub> ~c5 12712	PC25 	12712 	12712 				
1× III: 1p		ZATU073					
DARA <sub>4</sub> ~d 12713	PC25 	12713 					12713 
1× III: 1p		ZATU073					
DI 12714	PC25 	12714 	12714 	12714 	12714 	12714 	12714 
128× IV: 16p/3u; III: 70p/35u		ZATU075					
DI@t 12715	PC25 	12715 	12715 	12715 			
3× IV: 1p; III: 1p/1u		ZATU075					
DIB 12716	PC25 	12716  1 F20A1 2 F20A2	12716  1 F20A1 2 F20A2	12716  1 F20A1			F20A2 
5× IV: 2p; III: 3p		ZATU076					
DILMUN 12717	PC25 	1 F20A3 12717 2 F20A4	1 F20A3 12717 2 F20A4	12717  F20A3			
34× IV: 1p; III: 25p/8u		ZATU077					
DIM~a 12718	PC25 	12718  1 F20A5	12718  1 F20A5		12718  F20A5		12718 
56× IV: 5p; III: 25p/22u		ZATU078					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DIM~axGU  o0980175	EDI						
DIM~axX  o0980176	EDI						
DIM~b 12719 4x IV: 2p; III: 1p o0980177 ZATU078	PC25						
DIM~c 1271A 21x IV: 2p; III: 17p/2u o0980178 ZATU078	PC25						
DIN 1271B 97x IV: 31p/13u; III: 30p/20u o0980179 ZATU079	PC25						
DIN×1(N58)  1271C AKA:  DIN+1(N57)  1x III: 1p o0980180	PC25						
DIN@t 1271D 3x IV: 1u; III: 1u o0980181 ZATU080	PC25						
DU 1271E 481x IV: 18p/10u; III: 292p/153u o0980182 ZATU082	PC25						
DU×1(N58@t)  1271F AKA:  DU×DiŠ  CDLI:  DU×DiŠ  3x III: 3p o0980183	PC25						
DU@g 12720 4x III: 1p/3u o0980184	PC25						
DU <sub>6</sub> ~a 12721 15x IV: 1p; III: 12p/1u o0980185 ZATU083	PC25	 F20A6  F20A7  F20A8			 F20A7	 (b) F20A8	
DU <sub>6</sub> ~ax1(N58)  12722 AKA:  DU <sub>6</sub> ~axDiŠ  CDLI:  DU <sub>6</sub> ~axDiŠ  1x III: 1p o0980186	PC25						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>DU<sub>e</sub>~a@n</b> o0980187	ZERO						
<b>DU<sub>e</sub>~b</b> 12723 31× IV: 1p; III: 25p/3u	PC25						
<b>DU<sub>e</sub>~c</b> 12724 1× IV: 1p	PC25						
<b>DU<sub>7</sub></b> 12725 7× III: 4p/3u	PC25						
<b>DU<sub>g</sub>~a</b> 12726 1× IV: 1p	PC25						
<b>DU<sub>g</sub>~b</b> 12727 2× IV: 2p	PC25						
<sup>1</sup> <b>DU<sub>g</sub>~c</b> 12728 40× IV: 6p; III: 29p/5u	PC25						
<b> DU<sub>g</sub>~c×AB<sub>2</sub> </b> 12729 1× III: 1p	PC25						
<b> DU<sub>g</sub>~c×AMAR </b> 1272A 8× III: 8p	PC25						
<b> DU<sub>g</sub>~c×HI </b> 1272B 3× IV: 1p	PC25						
<b> DU<sub>g</sub>~c×UDU~a </b> 1272C 8× III: 4p/4u	PC25						
<b> DU<sub>g</sub>~c×X </b> o0980198	ZERO						
<b>DU<sub>g</sub>~c@g</b> 1272D AKA: DU <sub>g</sub> @g~c 21× IV: 1u; III: 16p/4u	PC25						
<b>DUB~a</b> 1272E 155× IV: 5p/2u; III: 102p/45u	PC25						

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS	
DUB~b 1272F		PC25	       	       			   	   	
69x IV: 36p/4u; III: 21p/8u			ZATU086						
DUB~b@r		UNP							
1x IV: 1u									
DUB~c 12730		PC25							
1x IV: 1p		ZATU086							
DUB~d 12731		PC25							
4x IV: 1u; III: 2p		ZATU086							
DUB~e 12732		PC25							
1x III: 1p		ZATU086							
DUB~f 12733		PC25							
4x III: 4p		ZATU086							
DUB~h 12734		PC25							
1x III: 1p		ZATU086							
(DUB@n~a×1(N58))-a  12735		PC25							
AKA:  (DUB×DIŠ)~a  CDLI:  (DUB×DIŠ)~a  5x IV: 4p		ZATU087							
(DUB@n~a×1(N58))-b  12736		PC25							
AKA:  (DUB×DIŠ)~c  CDLI:  (DUB×DIŠ)~c  1x III: 1p		ZATU087							
DUB@n~b×1(N58)-a  12737		PC25							
AKA:  (DUB×DIŠ)~b  CDLI:  (DUB×DIŠ)~b  1x IV: 1p		ZATU087							
DUB <sub>2</sub> 12738		PC25							
2x III: 2p									

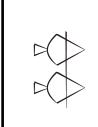
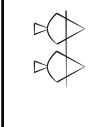
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DUG~a 12739	PC25	1 F20AF 2 F20B0 12739	12739	F20AF F20B0 12739	12739	12739	
252x IV: 29p/10u; III: 178p/30u	o0980212	ZATU088					
DUG~a×HI	EDI						
	o0980213						
DUG~a×KASKAL	UNP						
1x III: 1u	o0980214	ZATU103					
DUG~a×KU <sub>6</sub> ~a  1273A	PC25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

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DUG~b×SIG <sub>7</sub>  \br/>1275D  20× III: 19p/1u      o0980257      ZATU114	PC25 	1275D 	1275D 				
DUG~b×SUHUR  1275E  1× III: 1p      o0980258      ZATU115	PC25 	1275E 	1275E 				
DUG~b×SUKUD~d   1× III: 1u      o0980259      ZATU116	UNP 	F252C 					
DUG~b×ŠAH <sub>2</sub> ~a  1275F  4× III: 4p      o0980260      ZATU117	PC25 	1275F 	1275F 				
DUG~b×ŠE~a  12760  18× IV: 5p; III: 13p      o0980261      ZATU118	PC25 	1 F20B6  2 F20B7  12760 	12760 				
DUG~b×(ŠE~a.NAM <sub>2</sub> )  12761  7× III: 7p      o0980262      ZATU119	PC25 	12761 	12761 				
DUG~b×TAK <sub>4</sub> ~a  12762  5× III: 4p/1u      o0980263      ZATU120	PC25 	12762 	12762 				
DUG~b×(TAK <sub>4</sub> ~a.SA~a)  12763  2× III: 1p/1u      o0980264	PC25 	12763 	12763 				
DUG~b×(TAK <sub>4</sub> ~a.SAL)  12764  1× III: 1p      o0980265	PC25 	12764 	12764 				
DUG~b×TI  12765  7× III: 7p      o0980266      ZATU121	PC25 	12765 	12765 				
DUG~b×U <sub>2</sub> ~a  12766  2× III: 1p/1u      o0980267      ZATU122	PC25 	12766 	12766 				
DUG~b×U <sub>2</sub> ~b  12767  2× III: 1p/1u      o0980268      ZATU122	PC25 	1 F20B8  2 F20B9  12767  3 F20BA 					

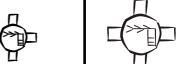
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DUG~b×(UDU~a×TAR~b)  12768 2x III: 2p <a href="#">o0980269</a>	PC25	12768					12768
DUG~b×UH <sub>3</sub> ~a  12769 3x III: 3p <a href="#">o0980270</a> ZATU123	PC25	12769	12769	12769			
DUG~b×UH <sub>3</sub> ~a@t  1276A 1x III: 1p <a href="#">o0980271</a>	PC25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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
E~d	UNP						
1× IV: 1u o0980295 ZATU128							
E~e	EDI						
E <sub>2</sub> ~a 1277F	PC25						
AKA: E <sub>2</sub> 608x							
IV: 12p/11u; III: 433p/141u o0980297 ZATU129							
E <sub>2</sub> ~a.LIŠ	UNP						
1× III: 1u o0980298							
E <sub>2</sub> ~a×3(N58)	UNP						
1× III: 1u o0980299							
E <sub>2</sub> ~a×1(N58@t)  12780	PC25						
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						
201x							
IV: 4p/1u; III: 100p/88u o0980301 ZATU129							
E <sub>2</sub> ~b.LIŠ	UNP						
1× III: 1u o0980302							
E <sub>2</sub> ~b×1(N58@t)  12782	PC25						
AKA:  E <sub>2</sub> ~b×1(N57)@t  CDLI:  E <sub>2</sub> ~b×1(N57)@t  6x III: 5p/1u o0980303 ZATU131							
E <sub>2</sub> ~c 12783	PC25						
1x III: 1p o0980304 ZATU129							
E <sub>2</sub> ~d 12784	PC25						
2x III: 2p o0980305 ZATU129							
E <sub>3</sub> ~a	UNP						
2x IV: 1u; III: 1u o0980306 ZATU132							
E <sub>3</sub> ~b 12785	PC25						
1x III: 1p o0980307 ZATU132							
EDIN 12786	PC25						
5x III: 5p o0980308 ZATU133							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
EN-a 12787	PC25	1 F20C3 2 F20C4 3 F20C5 12787	12787	F20C5 12787	F20C3 F20C4 F20C5 12787	F20C5	F20C5
AKA: EN 1784x IV: 115p/47u; III: 1081p/487u	o0980309	ZATU134					
EN-b 12788	PC25	12788 1 F20C6	12788	F20C6	12788 F20C6		
79x IV: 58p/11u; III: 1p/4u	o0980310	ZATU134					
EN-b@t 12789	PC25	12789	12789		12789		
1x IV: 1p	o0980311						
EN-c 1278A	PC25	1278A 1 F20C7	1278A		1278A	1278A	
15x III: 15p	o0980312	ZATU134					
EN-c&EN-c	UNP	1278A F241C	1278A				
1x IV: 1u	o0980313						
EN-e	UNP	1278A F241D	1278A				
1x	o0980314	ZATU134					
EN@g~a 1278B	PC25	1278B	1278B		1278B		
2x IV: 2p	o0980315	ZATU137					
EN@g~b 1278C	PC25	1278C	1278C		1278C		
11x IV: 9p/2u	o0980316	ZATU137					
EN <sub>2</sub> 1278D	PC25	1278D	1278D		1278D	1278D	
44x IV: 3p/1u; III: 19p/20u	o0980317	ZATU138					
EN <sub>2</sub> ,E <sub>2</sub> -a	PC25-sq	1278D F2236	1278D				
4x III: 3u	o0980318						
EN <sub>2</sub> ,E <sub>2</sub> -b	PC25-sq	1278D F2237	1278D		1278D F2237		
AKA:  EN <sub>2</sub> ,E <sub>2</sub> -b  21x III: 7p/14u	o0980319						
ENDIB	PC25-sq	1278D F2235	1278D	1278D			
6x III: 6p	o0980320	ZATU139					
ENGIZ	PC25-sq	1278D F20C8 1 F20C9 2 F20CA	1278D	F20C8	1278D F20C8	1278D F20C8	
21x III: 20p/1u	o0980321	ZATU140					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ENKUM 13x III: 9p/4u o0980322 ZATU141	PC25-sq	F20CB 1 F20CC	F20CB				
ENLIL o0980323 ZATU142	ZERO	F2234	F2234				
ENSI o0980324	EDI	F224D					
ENSI <sub>2</sub> o0980325	EDI	F2256					
ERIM~a 1278E 218x IV: 46p/22u; III: 85p/59u o0980326 ZATU143	PC25	1278E	1278E	1278E	1278E	1278E	1278E
ERIM~b1 1278F 1x IV: 1p o0980327 ZATU143	PC25	1278F	1278F		1278F		
ERIM~b2 12790 2x III: 1p o0980328 ZATU143	PC25	12790	12790	12790 (b)	12790		
ERIM <sub>2</sub> 22x III: 18p/4u o0980329 ZATU144	PC25-sq	F2254	F2254	F2254			F2254
ERIN 12791 148x IV: 28p/4u; III: 90p/18u o0980330 ZATU145	PC25	12791	12791	12791	12791	12791	12791
EŠDA 12792 126x IV: 22p/1u; III: 72p/27u o0980331 ZATU147	PC25	12792	12792	12792	12792	12792	
EŠDA×TAR~a  12793 AKA:  EŠDA×TAR  CDLI:  EŠDA×TAR  1x III: 1p o0980332 ZATU148	PC25	12793	12793		12793 (o)		
EŠGAR 12794 22x IV: 6p; III: 13p/3u o0980333 ZATU149	PC25	12794	12794		12794		
EZEN~a 12795 22x IV: 9p/3u; III: 6p/4u o0980334 ZATU150	PC25	1 F20CD 12795	1 F20CD 12795	12795	12795		
EZEN~a×EN~a  1x IV: 1u o0980335 ZATU151	UNP	F2420	F2420				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
EZEN~a~EN~b  12796	PC25 	12796 	12796 	12796 			
2× IV: 1p; III: 1p o0980336	ZATU151						
EZEN~a~(HI~1(N57).AN)  12797	PC25 	12797 	12797 			12797 	
AKA:  EZEN~a~(HI.1(N57).AN)  CDLI:  EZEN~a~(HI.1(N57).AN)  1× III: 1p o0980337							
EZEN~a~KAB  12798	PC25 	12798 	12798 	12798 			
1× IV: 1p o0980338	ZATU152						
EZEN~a~KAŠ~b  12799	PC25 	12799 					12799 
2× III: 2p o0980339							
EZEN~a~KI  1279A	PC25 	1279A 					
AKA:  EZEN~a~KI  1× III: 1p o0980340							
EZEN~a~LA~e	EDI  F20CF  F20CE 	1 	1 				
	o0980341						
EZEN~a~NIM~b2  1279B	PC25 	1279B 	1279B 				
1× IV: 1p o0980342	ZATU153						
EZEN~a~NIMGIR  1279C	PC25 	1279C 			1279C 		
2× IV: 1p; III: 1u o0980343	ZATU154						
EZEN~a~RAD~a  1279D	PC25 	1279D 	1279D 				
1× IV: 1p o0980344	ZATU155						
EZEN~a~SAG	UNP 	1279E 					
1× III: 1u o0980345							
EZEN~a~SU~a  1279E	PC25 	1279E 	1279E 				
8× III: 5p/3u o0980346	ZATU156						
EZEN~a~(U₂~b.A)  1279F	PC25 	1279F 					
5× IV: 1u; III: 1p/3u o0980347	ZATU157						
EZEN~a~U₄  127A0	PC25 	127A0 					
1×							
	o0980348						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
EZEN~a×X  2× IV: 1p; III: 1u o0980349	PC25-bk PC25	 F241F  127A1	 127A1				
EZEN~b 127A1 87× IV: 1p; III: 63p/18u o0980350 ZATU150	PC25						
EZEN~b×ŠE~a@t  127A2 23× III: 19p/4u o0980351	PC25	 127A2					
EZEN~b×6(N57)  127A3 1× III: 1p o0980352 ZATU411	PC25	 1 F20D0  127A3	 127A3				
EZEN~b@t 127A4 AKA: EZEM~c EZEN~c CDLI:  EZEN~b@t  9× IV: 3p; III: 2p/3u o0980353 ZATU150	PC25	 127A4	 127A4		 (c) 127A4		
EZEN~c o0982242 ZATU150	DEL	 F24D1					
EZINU~a 127A5 12× IV: 1u; III: 5p/6u o0980354 ZATU158	PC25	 127A5	 127A5				 127A5
EZINU~b 127A6 1× III: 1p o0980355 ZATU158	PC25	 127A6	 127A6				
EZINU~c 127A7 6× IV: 2u; III: 3p o0980356 ZATU158	PC25	 127A7	 127A7				
EZINU~d 127A8 10× IV: 4p/1u; III: 4p/1u o0980357 ZATU158	PC25	 127A8	 127A8		 127A8		
GA~a 127A9 339× IV: 36p/15u; III: 191p/93u o0980358 ZATU159	PC25	 1 F20D3 2 F20D4 3 F20D5 4 F20D6 127A9	 127A9	 F20D6	 F20D6	 F20D6	 127A9

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GA <sub>2</sub> ~a1x(GIR~a.KU <sub>6</sub> ~a)  127B6	PC25 127B6	127B6					
1x III: 1p o0980374							
GA <sub>2</sub> ~a1xGIŠ@t  127B7	PC25 127B7	127B7					
1x IV: 1p o0980375 ZATU168							
GA <sub>2</sub> ~a1xGU <sub>4</sub>   o0980376	EDI F24F8	F24F8					
GA <sub>2</sub> ~a1xHAL  127B8	PC25 127B8	127B8					
1x IV: 1p o0980377							
GA <sub>2</sub> ~a1xHI  127B9	PC25 127B9	127B9					
5x IV: 1p/2u; III: 2p o0980378 ZATU170							
GA <sub>2</sub> ~a1x(HI.SUHUR)  1x IV: 1u o0980379 ZATU171	UNP F2421	F2421					
GA <sub>2</sub> ~a1xKU <sub>3</sub> ~a  127BA	PC25 127BA	127BA					
1x III: 1p o0980380 ZATU172							
GA <sub>2</sub> ~a1xKU <sub>6</sub> ~a  127BB	PC25 127BB	127BB					
13x IV: 3p/1u; III: 8p/1u o0980381 ZATU173							
GA <sub>2</sub> ~a1x(KU <sub>6</sub> ~a+KU <sub>6</sub> ~a)  127BC	PC25 127BC	127BC					
CDLI:  GA <sub>2</sub> ~a1x(KU <sub>6</sub> ~a.KU <sub>6</sub> ~a)  1x III: 1p o0980382 ZATU174							127BC
GA <sub>2</sub> ~a1xLAGAB~b  127BD	PC25 127BD	127BD					
1x IV: 1p o0980383							
GA <sub>2</sub> ~a1xMAŠ  127BE	PC25 127BE	127BE					
1x III: 1p o0980384 ZATU176							
GA <sub>2</sub> ~a1xNAGA~a  1x III: 1u o0980385 ZATU177	UNP F2422	F2422					
GA <sub>2</sub> ~a1xNIM~b1  AKA:  GA <sub>2</sub> ~a2xNIM~b1  CDLI:  GA <sub>2</sub> ~a2xNIM~b1  1x III: 1u o0980386	UNP F2423	F2423					
GA <sub>2</sub> ~a1xNUN~a  o0980387	EDI F24F9	F24F9					
GA <sub>2</sub> ~a1xPAD~b  127BF	PC25 127BF	127BF					
1x III: 1p o0980388							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GA₂~a1×PAP~a  127C0	PC25 	127C0 	127C0 				
1× III: 1p	<a href="#">o0980389</a>						
GA₂~a1×SU~a  127C1	PC25 	127C1 				127C1 	
1× III: 1p	<a href="#">o0980390</a>						
GA₂~a1×SUHURI  127C2	PC25 	127C2 	127C2 	127C2 			
5× IV: 4p; III: 1p	<a href="#">o0980391</a>	ZATU179					
GA₂~a1×SUKUD  127C3	PC25 	127C3 		127C3 			
9× IV: 5p/2u; III: 2u	<a href="#">o0980392</a>	ZATU180					
GA₂~a1×((SUKUD+SUKUD)~a)	UNP						
AKA:  GA₂~a1×(SUKUD&SUKUD)~a  CDLI:  GA₂~a1×((SUKUD&SUKUD)~a)  1× IV: 1u	<a href="#">o0980393</a>	F2424 	127C4 				
GA₂~a1×((SUKUD+SUKUD)~b)	UNP						
AKA:  GA₂~a1×(SUKUD&SUKUD)~b  CDLI:  GA₂~a1×((SUKUD&SUKUD)~b)  1× III: 1u	<a href="#">o0980394</a>	F2425 	127C5 				
GA₂~a1×SUMAŠ  127C4	PC25 	127C4 	127C4 		127C4 		
1× IV: 1p	<a href="#">o0980395</a>	ZATU181					
GA₂~a1×ŠA  127C5	PC25 	127C5 	127C5 			127C5 	
1× III: 1p	<a href="#">o0980396</a>						
GA₂~a1×TI  127C6	PC25 	127C6 	127C6 	127C6 			
3× III: 3p	<a href="#">o0980397</a>						
GA₂~a1×U₄  127C7	PC25 	127C7 	127C7 	127C7 			
13× III: 9p/4u	<a href="#">o0980398</a>	ZATU183					
GA₂~a1×X	PC25-bk						
13× IV: 4p; III: 8p/1u	<a href="#">o0980399</a>	F2426 	F2426 	F2426 	F2426 	F2426 	
GA₂~a1×X₁	PC25-bk						
1× III: 1p	<a href="#">o0982286</a>	F2529 					F2529 
GA₂~a1×(N14)  127C8	PC25 	127C8 	127C8 		127C8 		
3× IV: 2p; III: 1p	<a href="#">o0980400</a>	ZATU182					
GA₂~a1×(N57)  127C9	PC25 	127C9 	127C9 		127C9 		
3× IV: 2p	<a href="#">o0980401</a>	ZATU164					
GA₂~a2 127CA	PC25 	127CA 	127CA 				
37× III: 9p/24u	<a href="#">o0980403</a>	ZATU162					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GA <sub>2</sub> ~a2×GU <sub>4</sub>  \br/>127CB 4x III: 3p/1u	PC25 o0980404						
GA <sub>2</sub> ~a2×NI~a \br/>127CC 1x IV: 1p	PC25 o0980405						
GA <sub>2</sub> ~a2×NI~b \br/>1x III: 1u	UNP o0980406	ZATU178					
GA <sub>2</sub> ~a2×SUHURI \br/>127CD 1x IV: 1p	PC25 o0980407	ZATU179					
GA <sub>2</sub> ~a2×ŠE <sub>3</sub>  \br/>127CE 3x III: 3p	PC25 o0980408						
GA <sub>2</sub> ~a2×(ŠE <sub>3</sub> ,GU <sub>4</sub> ) \br/>127CF AKA:  GA <sub>2</sub> ~a2×(GU <sub>4</sub> ,ŠE <sub>3</sub> )  CDLI:  GA <sub>2</sub> ~a2×(GU <sub>4</sub> ,ŠE <sub>3</sub> )  10x III: 9p/1u	PC25 o0980409	ZATU169					
GA <sub>2</sub> ~a2×X \br/>1x III: 1p	PC25-bk o0980410						
GA <sub>2</sub> ~a2×3(N57) \br/>1x III: 1u	UNP o0980411						
GA <sub>2</sub> ~a3 127D0 1x III: 1p	PC25 o0980412	ZATU162					
GA <sub>2</sub> ~a3×X \br/>1x IV: 1p	PC25-bk o0980413						
GA <sub>2</sub> ~a4 127D1 1x IV: 1p	PC25 o0980414	ZATU162					
GA <sub>2</sub> ~b 127D2 18x IV: 8p/1u; III: 8p	PC25 o0980415	ZATU162					
GA <sub>2</sub> ~b×DUB~a \br/>127D3 11x IV: 1p/2u; III: 5p/3u	PC25 o0980416	ZATU166					
GA <sub>2</sub> ~b×DUB~b \br/>127D4 1x IV: 1p	PC25 o0980417	ZATU166					
GA <sub>2</sub> ~b×KU <sub>3</sub> ~a \br/>1x III: 1u	UNP o0980418	ZATU172					
GA <sub>2</sub> ~b×KU <sub>6</sub> ~a \br/>127D5 1x III: 1p	PC25 o0980419	ZATU173					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GA <sub>2</sub> ~b×NUN~b  1×	UNP o0980420	F252F					
GA <sub>2</sub> ~b×ZATU659  127D6	PC25 o0980421	127D6					
GA <sub>2</sub> ~c 127D7	PC25 o0980422 ZATU162	127D7					
GA'AR~a1 127D8 44× IV: 1u; III: 41p/1u	PC25 o0980423 ZATU184	127D8		127D8		127D8	
GA'AR~a2 127D9 17× IV: 1p/1u; III: 11p/4u	PC25 o0980424 ZATU184	127D9					
GA'AR~b1 127DA 2× IV: 1p; III: 1p	PC25 o0980425 ZATU184	127DA		127DA			
GA'AR~b2 127DB 3× IV: 2p; III: 1p	PC25 o0980426 ZATU184	127DB					
GADA~a 127DC 122× IV: 13p/9u; III: 57p/30u	PC25 o0980427 ZATU186	127DC		127DC	127DC	127DC	127DC
GADA~b 1×	UNP IV: 1u o0980428 ZATU186	F242C					
GADA~b@g 127DD 8× IV: 2p/4u; III: 1p/1u	PC25 o0980429 ZATU187	127DD					
GAL~a 127DE 1236× IV: 52p/12u; III: 890p/261u	PC25 o0980430 ZATU188	127DE		127DE	127DE	127DE	127DE
GAL~b 127DF 11× IV: 3p/2u; III: 5p	PC25 o0980431 ZATU188	127DF		127DF			
GALGA~a 127E0 12× III: 12p	PC25 o0980432 ZATU189	127E0		127E0			
GALGA~b 3×	UNP III: 3u o0980433 ZATU189	F242D					
GAN~a 127E1 50× IV: 2p; III: 39p/9u	PC25 o0980434 ZATU190	1 F20D8 127E1		127E1		127E1	127E1

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GAN~b 127E2		PC25	1 F20D9 2 F20DA 3 F20DB 127E2		F20D9	F20D9	
40x IV: 4p/1u; III: 26p/8u	<a href="#">o0980435</a>	ZATU190					
GAN~c 127E3		PC25	127E3 1 F20DC		127E3		
40x III: 24p/16u	<a href="#">o0980436</a>	ZATU190					127E3
GAN~cxDIN  127E4		PC25	127E4		127E4 (b)		
1x III: 1p	<a href="#">o0980437</a>						
GAN~cxHI  127E5		PC25	127E5				
1x IV: 1p	<a href="#">o0980438</a>						
GAN~cx(HI.DIN)  127E6		PC25	127E6				
2x IV: 2p	<a href="#">o0980439</a>	ZATU191					
GAN~cxKAŠ~c  127E7		PC25	127E7				
2x III: 2p	<a href="#">o0980440</a>						
GAN~cx(KUR~a.A)  127E8		PC25	127E8				
1x III: 1p	<a href="#">o0980441</a>						
GAN~cxLAGAB~b  127E9		PC25	127E9				
2x IV: 1p; III: 1p	<a href="#">o0980442</a>	ZATU192					
GAN~cxNE~a		UNP					
3x III: 3u	<a href="#">o0980443</a>	ZATU193					
GAN~cxSIG <sub>7</sub>   127EA		PC25	127EA				
1x III: 1p	<a href="#">o0980444</a>						
GAN~cxŠE~a		UNP					
4x III: 4u	<a href="#">o0980445</a>	ZATU194					
GAN~cxŠE <sub>3</sub> @t		UNP					
1x III: 1u	<a href="#">o0980446</a>						
GAN~cxX		PC25-bk					
3x IV: 1p; III: 1p/1u	<a href="#">o0980447</a>						
GAN~cxZATU777  127EB		PC25	127EB				
1x III: 1p	<a href="#">o0980448</a>						
GAN~cx(4(N57).GAR)  127EC		PC25	127EC				
1x III: 1p	<a href="#">o0980449</a>						127EC

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GAN~d 127ED 1x III: 1p o0980450	EDI PC25	 F24D2	 127ED				
GAN~d×GEŠTU~a  127EE 270x IV: 6p/2u; III: 187p/65u o0980451							
GAN~d×HI  o0980452	EDI	 F24FA					
GAN <sub>2</sub> 127EE 270x IV: 6p/2u; III: 187p/65u o0980453	PC25	 127EE	 127EE	 127EE	 127EE	 127EE	 127EE
GAR 127EF 373x IV: 39p/28u; III: 223p/73u o0980454	PC25	 127EF	 127EF	 127EF	 127EF	 127EF	 127EF
GAR@g~a 127F0 4x IV: 4p o0980455	PC25	 127F0	 127F0		 127F0		
GAR@g~b 127F1 3x III: 2p/1u o0980456	PC25	 127F1	 127F1				
GAR@g~c 127F2 3x III: 2p/1u o0980457	PC25	 127F2	 127F2				
GAR <sub>3</sub> 127F3 29x IV: 27p o0980458	PC25	 127F3	 127F3				
GARA <sub>2</sub> ~a 127F4 55x IV: 2u; III: 35p/16u o0980459	PC25	 127F4	 127F4	 127F4			 127F4
GARA <sub>2</sub> ~b UNP 2x III: 2u o0980460	ZATU199	 F2432					
GAZI 127F5 15x III: 14p/1u o0980461	PC25	 127F5	 127F5				
GEŠTIN~a 127F6 8x III: 6p/2u o0980462	PC25	 127F6	 127F6	 127F6			
GEŠTIN~c o0980463	EDI	 F24D3					
GEŠTIN~c×X  o0980464	EDI	 F24FB					
GEŠTIN~d 127F7 1x III: 1p o0980465	PC25	 127F7					 127F7

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GEŠTIN~e 127F8 1× III: 1p	PC25 	 127F8					 127F8
GEŠTU~a 127F9 26× IV: 8p/2u; III: 9p/6u	PC25 	 127F9 1 F20DD 2 F20DE	 F20DE	 127F9			
GEŠTU~axŠE~a@t  127FA 1× III: 1p	PC25 	 127FA					
GEŠTU~b 127FB 85× IV: 26p/7u; III: 16p/24u	PC25 	 127FB	 127FB	 127FB	 127FB	 127FB	
GEŠTU~c3 127FC 9× IV: 2p/1u; III: 6p	PC25 	 127FC 1 F20DF	 F20DF	 F20DF			
GEŠTU~c5 127FD 2× III: 2p	PC25 	 127FD	 F20EO		 127FD		
GI 127FE 667× IV: 43p/8u; III: 425p/182u	PC25 	 127FE 1 F20EO 2 F20DE	 F20EO 127FE	 F20DE 127FE	 127FE	 127FE	
GIxA  127FF AKA:  GI+A  1× III: 1p	PC25 	 127FF					 127FF
GIxGIŠ@t  12800 1× III: 1p	PC25 	 12800	 12800	 12800			
GIxKU~b1  12801 6× III: 6p	PC25 	 12801	 12801		 12801		
GIxLAGAB~a  12802 3× IV: 2p; III: 1u	PC25 	 12802	 12802	 12802			
GIxNAM <sub>2</sub>   12803 2× IV: 1p/1u	PC25 	 12803	 12803	 12803			
GIxSIG <sub>2</sub> ~d1  12804 2× IV: 2p	PC25 	 12804	 12804	 12804			

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GI×ŠE <sub>3</sub>  \br/>12805	PC25		12805	12805			
5× IV: 1p; III: 4p	<a href="#">o0980479</a>						
GI×X	UNP		F2433				
1× IV: 1u	<a href="#">o0980480</a>						
GI×1(N14) \br/>12806	PC25		12806		12806		
1× IV: 1p	<a href="#">o0980481</a>	ZATU211					
GI×1(N58@t) \br/>12807	PC25		12807				
AKA:  GI×1(N58)@t  CDLI:  GI×1(N58)@t  2× III: 2p	<a href="#">o0980482</a>						
GI&GI	PC25		12808	12808	12808	12808	12808
83× IV: 1p; III: 63p/19u	<a href="#">o0980483</a>						
(GI&GI)×GIŠ@t	PC25		12809				
1× IV: 1p	<a href="#">o0980484</a>						
(GI&GI)×ŠE <sub>3</sub>	UNP		F2434	F2434			
CDLI:  (GI+&GI)×ŠE <sub>3</sub>   2× III: 2u	<a href="#">o0980485</a>	ZATU206					
(GI&GI)×X	ZERO		F2435			F2435	
<a href="#">o0980486</a>							
GI&GI&GI	PC25		1280A	1280A			
2× III: 2p	<a href="#">o0980487</a>						
GI@t	PC25		1280B	1280B			
1280B							
1× IV: 1p	<a href="#">o0980488</a>						
GL <sub>4</sub> ~a	PC25		1280C	1280C	1280C	1280C	1280C
1280C							
31× IV: 1p; III: 20p/10u	<a href="#">o0980489</a>	ZATU212					
GI <sub>4</sub> ~a×A	PC25		1280D	1280D			
1280D							
1× III: 1p	<a href="#">o0980490</a>						
GI <sub>4</sub> ~a&GI <sub>4</sub> ~a	UNP		F2436	F2436			
1× III: 1u	<a href="#">o0980491</a>						
GL <sub>4</sub> ~b	PC25		1280E	1280E	1280E		
1280E							
8× IV: 6p/1u; III: 1p	<a href="#">o0980492</a>	ZATU212					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GI <sub>4</sub> ~b&GI <sub>4</sub> ~b  1280F  1× IV: 1p o0980493	PC25 	 1280F					
GI <sub>6</sub> 12810  AKA: GI <sub>6</sub> ~a 129× IV: 14p/1u; III: 71p/38u o0980494 ZATU213	PC25 	 1 F20E1  12810	 12810	 F20E1  12810	 12810	 12810	
GIBIL 12811  98× IV: 2p; III: 77p/17u o0980495 ZATU214	PC25 	 12811			 12811	 12811	
GIBIL@t  1× III: 1u o0980496	UNP	 F2437	 F2437				
GIBIL <sub>6</sub>  2× III: 2p o0980497 ZATU215	PC25-sq 	 F20E2  1 F20E3	 F20E3				
GIG  o0980498	EDI	 F223C	 F223C				
GIL  o0980499	EDI	 F24D4	 F24D4				
GIR~a 12812  22× IV: 1p; III: 14p/6u o0980500 ZATU216	PC25 	 12812	 12812	 12812			
GIR~a.KU <sub>6</sub> ~a   1× III: 1p o0980501	PC25-sq 	 F223D	 F223D				
GIR~b 12813  16× IV: 2p; III: 10p/4u o0980502 ZATU216	PC25 	 1 F20E4  12813	 12813	 F20E4	 F20E4		
GIR~b.GIR~b   4× III: 4p o0980503	PC25-sq 	 F223E	 F223E	 F223E			
GIR~c 12814  3× III: 3p o0980504 ZATU216	PC25 	 12814	 12814	 12814			
GIR~d  1× IV: 1u o0980505 ZATU216	UNP	 F2438	 F2438				
GIR <sub>2</sub> ~a 12815  71× IV: 4p/2u; III: 59p/6u o0980506 ZATU218	PC25 	 12815	 12815	 12815	 12815		
GIR <sub>2</sub> ~b  o0980507 ZATU218	ZERO	 F2439	 F2439				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GIR <sub>3</sub> ~a 12816	PC25 	 12816	 12816	 12816			
23× IV: 15p/1u; III: 5p/2u o0980508	ZATU219						
GIR <sub>3</sub> ~a×ŠE~b  12817	PC25 	 12817	 12817				
1× IV: 1p o0980509	ZATU220						
GIR <sub>3</sub> ~b 12818	PC25 	 12818	 12818				
1× IV: 1p o0980510	ZATU219						
GIR <sub>3</sub> ~c 12819	PC25 	 12819	 12819	 12819	 12819	 12819	
112× IV: 5p/1u; III: 56p/47u o0980511	ZATU219						
GIR <sub>3</sub> ~c×KAR <sub>2</sub> ~b	UNP	 F243A	 F243A				
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							
GIR <sub>3</sub> ~c×ŠE <sub>3</sub>   1281A	PC25 	 1281A	 1281A	 1281A			
2× III: 2p o0980513							
GIR <sub>3</sub> @g~a 1281B	PC25 	 1281B	 1281B	 1281B			
4× IV: 2p; III: 1p o0980514	ZATU221						
GIR <sub>3</sub> @g~b 1281C	PC25 	 1281C	 1281C		 1281C	 1281C	
76× IV: 1p; III: 68p/7u o0980515	ZATU221						
GIR <sub>3</sub> @g~c 1281D	PC25 	 1281D	 1281D		 1281D		
AKA: GIR <sub>3</sub> ~c@g 11× IV: 1p; III: 4p/6u o0980516	ZATU221						
GIR <sub>4</sub>	EDI o0980517	 F24D5	 F24D5				
GISAL~a 1281E	PC25 	 1281E	 1281E	 1281E			
1× IV: 1p o0980518	ZATU222						
GISAL~b 1281F	PC25 	 1281F	 1281F	 1281F			
2× IV: 2p o0980519	ZATU222						
GIŠ 12820	PC25 	 12820	 12820	 12820	 12820	 12820	
405× IV: 8p/4u; III: 355p/36u o0980520	ZATU223						
GIŠ.TE	PC25-sq o0980521	 F2241	 F2241		 F2241	 F2241	
27× III: 24p/3u o0980521	ZATU226						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
(GIŠ×(DIN.DIN))~a  12821 4x III: 4p o0980522 ZATU224	PC25 	12821	12821				
(GIŠ×(DIN.DIN))~b  12822 1x IV: 1p o0980523 ZATU224	PC25 	12822	12822				
(GIŠ×(DIN.DIN))~c  12823 1x III: 1p o0980524 ZATU224	PC25 	12823	12823				
(GIŠ×ŠU₂)~a  12824 AKA:  GIŠ×ŠU₂~a  CDLI:  GIŠ×ŠU₂~a  42x IV: 1p; III: 28p/12u o0980525 ZATU225	PC25 	12824	12824	12824	12824	12824	
(GIŠ×ŠU₂)~b  12825 AKA:  GIŠ×ŠU₂~b  CDLI:  GIŠ×ŠU₂~b  16x III: 16p o0980526 ZATU225	PC25 	12825	12825	12825			
GIŠ~v CDLI: GIŠ~x o0980527	EDI 	F24D6	F24D6				
GIŠ@t 12826 37x IV: 7p/1u; III: 27p/2u o0980528 ZATU227	PC25 	12826	12826	12826	12826	12826	
GIŠ@t.E₂~a  o0980529	EDI 	F2242	F2242				
GIŠ₃~a 12827 14x III: 11p/2u o0980530 ZATU228	PC25 	12827	12827				
GIŠ₃~a&GIŠ₃~a  12828 3x III: 2p/1u o0980531	PC25 	12828	12828				
GIŠ₃~b 12829 54x III: 18p/35u o0980532 ZATU228	PC25 	12829	12829	12829	12829		
GIŠGAL 1282A 10x III: 9p/1u o0980533 ZATU229	PC25 	1 F20E5 	1 F20E5 	1282A			
GIŠIMMAR~a1 1282B 6x IV: 3p/1u; III: 2p o0980534 ZATU230	PC25 	1282B	1282B	1282B			

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GIŠIMMAR~a2 1282C	PC25	1282C	1282C	1282C			
9× IV: 1p; III: 5p/1u o0980535	ZATU230						
GIŠIMMAR~a3 1282D	PC25	1282D 1 F20E6	1282D				F20E6
2× III: 1p/1u o0980536	ZATU230						
GIŠIMMAR~b1 1282E	PC25	1 F20E7 2 F20E8 1282E	1 F20E7 2 F20E8 1282E	1282E	F20E7	F20E7	F20E7
45× IV: 3p; III: 36p/4u o0980537	ZATU230						
GIŠIMMAR~b2 1282F	PC25	1282F	1282F				
1× IV: 1p o0980538	ZATU230						
GIŠIMMAR~b3 12830	PC25	12830	12830		12830		
2× IV: 1p; III: 1p o0980539	ZATU230						
GIZZAL~v	UNP						
CDLI: GIZZAL~x 1× III: 1u o0980540	ZATU231	F223B	F223B				
GU 12831	PC25						
AKA: GU~a 101× IV: 2p/2u; III: 54p/43u o0980541	ZATU232	12831	12831	12831 (a)	12831 (a)	12831 (a)	12831 (a)
GU <sub>2</sub> 12832	PC25	12832	12832	12832			
2× III: 2p o0980542	ZATU233						
GU <sub>4</sub> 12833	PC25	1 F20E9 12833	1 F20E9 12833	12833	12833 (a)	12833 (a)	12833 (a)
201× IV: 49p/4u; III: 107p/37u o0980543	ZATU234						
GU <sub>4</sub> .ZATU755~b	PC25-sq						
AKA:  GU <sub>4</sub> .ZATU755~a  CDLI:  GU <sub>4</sub> .ZATU755~a  1× IV: 1p o0980544		F2243	F2243	F2243			
GU <sub>4</sub> ×1(N58)	ZERO	F2541			F2541		
CDLI: *GU <sub>4</sub> +1N58 o0982249							
GU <sub>4</sub> @g 12834	PC25	12834 1 F20EA	12834 1 F20EA		12834	F20EA	
5× III: 3p/2u o0980546							
GU <sub>7</sub> 12835	PC25	12835	12835		12835	12835	
314× IV: 6p/4u; III: 244p/58u o0980547	ZATU235		1 F20EB				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GUB <sub>3</sub> ~a 12836	PC25 	12836 	12836 				
11× IV: 1p/4u; III: 3p/3u o0980548	ZATU236						
GUB <sub>3</sub> ~b 12837	PC25 	12837 	12837 				
2× III: 1p/1u o0980549	ZATU236						
GUB <sub>3</sub> ~c 12838	PC25 	12838 	12838 				
3× IV: 1p; III: 2p o0980550	ZATU236						
GUB <sub>3</sub> ~d 12839	PC25 	12839 	1 F20EC 				F20EC 
1× III: 1p o0980551	ZATU236						
GUG <sub>2</sub> 1283A	PC25 	1 F20ED 1283A 2 F20EE 	1283A 	(a) F20EE 1283A (a) F20EE 1283A (a) 1283A (a)	(a) 1283A (a) F20EE 1283A (a) 1283A (a)		
AKA: GUG <sub>2</sub> ~a 190× IV: 36p/5u; III: 113p/36u o0980552	ZATU237						
GUG <sub>2</sub> ×SILA <sub>3</sub> ~a  1283B	PC25 	1283B 	1283B 				
1× IV: 1p o0980553	ZATU238						
GUG <sub>2</sub> ×ŠITA~a1  1283C	UNP 	F24FC 	F24FC 				
1× III: 1u o0980554							
GUG <sub>2</sub> ×TUR  1283C	PC25 	1283C 	1283C 				
1× IV: 1p o0980555	ZATU239						
GUG <sub>2</sub> @t	ZERO o0980556	F243B 	F243B 				
GUUKKAL~a 1283D	PC25 	1283D 	1283D 				
28× IV: 26p; III: 1p o0980557	ZATU240						
GUUKKAL~a.HI@g~a  1283D	PC25-sq o0980558	F2244 	F2244 				
2× IV: 2p o0980559	ZATU241						
GUUKKAL~b 1283E	PC25 	1283E 	1283E 				
2× IV: 2p o0980559	ZATU240						
GUUKKAL~c 1283F	PC25 	1283F 	1283F 				
9× III: 6p/1u o0980560	ZATU240						
GUUKKAL~d 12840	PC25 	12840 	12840 				
1× IV: 1p o0980561	ZATU240						
GUL 12841	PC25 	12841 	12841 	12841 	12841 	12841 	
28× IV: 3p; III: 21p/3u o0980562	ZATU242						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GUM~a 12842	PC25 	12842 	12842 	12842 			
16x IV: 13p/1u; III: 1p o0980563	ZATU243						
GUM~b 12843	PC25 	12843 	12843 	F20EF 	12843 	F20EF 	12843 
41x IV: 3p/1u; III: 25p/10u o0980564	ZATU243	1 F20EF 					
GUM~b@n 12844	PC25 	12844 	12844 				
1x III: 1p o0980565	ZATU244	1 F20F0 					
GUN <sub>3</sub> ~a 12845	PC25 	12845 	12845 				
13x IV: 1p; III: 7p/5u o0980566	ZATU245						
GUN <sub>3</sub> ~b 12846	PC25 	12846 	12846 		12846 		
10x IV: 1u; III: 6p/3u o0980567	ZATU245						
GUR 12847	PC25 	12847 	12847 				
2x III: 2p o0980568	ZATU246						
GURUŠ~a 12848	PC25 	1 F20F1  12848  2 F20F2 	1 F20F1  12848  2 F20F2 	12848  F20F1  12848  F20F1 	12848  F20F1  12848 		
64x IV: 22p/2u; III: 22p/15u o0980569	ZATU247						
GURUŠ~a×2(N14)  12849	PC25 	12849 	12849 	12849 			
4x IV: 2p/2u o0980570	ZATU248						
GURUŠ~b 1284A	PC25 	1284A 	1284A 		1284A 		
4x IV: 4p o0980571	ZATU247						
GURUŠ~b×2(N14)  1284B	PC25 	1284B 	1284B 		1284B 		
2x IV: 1p/1u o0980572	ZATU248						
GURUŠ~c×2(N14)  1284C	PC25 	1284C 	1284C 			1284C 	
1x III: 1p o0980573	ZATU248						
GURUŠDA 1284D	PC25 	1284D 	1284D 	1284D 	1284D 	1284D 	1284D 
AKA: GURUŠDA~a 80x IV: 35p/3u; III: 27p/8u o0980574	ZATU249						
HAL 1284E	PC25 	1284E 	1284E 	1284E 	1284E 	1284E 	1284E 
90x IV: 2p/2u; III: 66p/18u o0980575	ZATU250						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
HALUB 1284F	PC25	1284F	1284F				
11x III: 11p o0980576 ZATU251							
HAŠHUR 12850	PC25	12850	12850	12850	12850	12850	
112x IV: 41p/9u; III: 45p/14u o0980577 ZATU252							
HAŠHUR×MA  12851	PC25	12851	12851				
3x IV: 2p; III: 1p o0980578 ZATU253							
HI 12852	PC25	12852	12852	12852	12852	12852	
AKA: HI~a 349x IV: 13p/4u; III: 216p/105u o0980579 ZATU254							
HI.SUHUR	PC25-sq	1 F20F4 2 F20F5 F20F3	F20F3				
7x IV: 2u; III: 2p/3u o0980580 ZATU256							
HI×LAGAB~a	PC25-sq	F2245	F2245				
3x III: 3p o0980581							
HI×ŠE <sub>3</sub> @t	EDI	F24FE	F24FE				
		o0980582					
HI×ZATU707~a	UNP	F243C	F243C				
1x IV: 1u o0980583 ZATU257							
HI×1(N01@f)	EDI	F24FD	F24FD				
CDLI:  HI×1(N01)F  o0980584							
HI×1(N57)  12853	PC25	12853	12853	12853 (b)		12853	
12x IV: 1p; III: 9p/2u o0980585							
(HI×1(N57)).(HI×1(N57))	PC25-sq	F20F6 1 F20F7					
CDLI:  (HI×1(N57))&(HI+1(N57))  1x III: 1p o0980586							
HI×1(N57@t)  12854	PC25	12854	12854	12854	12854 (a)		
AKA:  HI×1(N57)@t  CDLI:  HI×1(N57)@t  2x III: 2p o0980587 ZATU255							
HI×1(N58)	UNP	F243D	F243D				
1x IV: 1u o0980588							
HI~b	UNP	F2530	F2530				
1x o0980589 ZATU254							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
HI@g~a 12855	PC25						
AKA: HI@g HI~a@g 176x IV: 9p; III: 126p/33u o0980590 ZATU258		12855	12855		12855	12855	
HI@g~b 12856	PC25						
12x IV: 2p; III: 8p/2u o0980591 ZATU258		12856	12856	12856	12856	12856	
HI@g~c 12857	PC25						
1x III: 1p o0980592 ZATU258		12857					
HUB <sub>2</sub>	EDI						
		F24D7	F24D7				
I 12858	PC25						
43x IV: 1p; III: 23p/19u o0980594 ZATU259		12858	12858	12858	12858	12858	
IB~a 12859	PC25						
393x IV: 43p/9u; III: 220p/110u o0980595 ZATU260		12859 <sup>1</sup> F20F8 <sup>2</sup> F20F9	12859	12859	12859	12859	12859
IB~a@n 1285A	PC25						
CDLI:  IB~a@n  1x III: 1p o0980596		1285A	1285A				
IB~b 1285B	PC25						
9x IV: 7p; III: 1p o0980597 ZATU260		1285B	1285B	1285B	1285B		
IB~c 1285C	PC25						
5x III: 5p o0980598 ZATU260		1285C					1285C
IDIGNA 1285D	PC25						
57x IV: 9p; III: 33p/11u o0980599 ZATU261		1285D <sup>1</sup> F20FA 1285D	1285D	1285D	1285D		
IG~a 1285E	PC25						
2x III: 2p o0980600		1285E	1285E			1285E	
IG~b 1285F	PC25						
2x III: 1p/1u o0980601		1285F	1285F				
IGI	EDI						
		F24D8	F24D8				
IL 12860	PC25						
10x III: 8p/2u o0980603 ZATU262		12860	12860			12860	

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>ILDUM~a</b>	PC25-sq						
1× IV: 1p	<a href="#">o0980604</a>	ZATU263					
<b>ILDUM~b</b>	PC25-sq						
4× III: 4p	<a href="#">o0980605</a>	ZATU263					
<b>IM~a</b>	PC25						
12861							
97× III: 65p/32u	<a href="#">o0980606</a>	ZATU264					
<b>IM~a@g</b>	EDI						
	<a href="#">o0980607</a>						
<b>IM~b</b>	PC25						
12862							
13× III: 9p/2u	<a href="#">o0980608</a>	ZATU264					
<b>IN~b</b>	PC25						
12863							
29× IV: 2p/1u; III: 21p/5u	<a href="#">o0980609</a>	ZATU265					
<b>IN~d</b>	PC25						
12864							
1× III: 1p	<a href="#">o0980610</a>	ZATU266					
<b>IR~a</b>	PC25						
12865							
47× IV: 2p; III: 39p/3u	<a href="#">o0980611</a>	ZATU267					
<b> IR~a.GA<sub>2</sub>~a1 </b>	PC25-sq						
1× III: 1p	<a href="#">o0980612</a>						
<b>IR~b</b>	PC25						
12866							
2× III: 2p	<a href="#">o0980613</a>	ZATU267					
<b>IR~c</b>	PC25						
12867							
1× IV: 1p	<a href="#">o0980614</a>	ZATU267					
<b>IR~d</b>	PC25						
12868							
1× IV: 1p	<a href="#">o0980615</a>	ZATU267					
<b>IR<sub>11</sub></b>	PC25-sq						
9× III: 5p/4u	<a href="#">o0980616</a>	ZATU268					
<b>IRHAN</b>	PC25-bk						
1× III: 1p	<a href="#">o0980617</a>	ZATU269					
<b>IŠ~a</b>	PC25						
12869							
26× IV: 3p; III: 18p/4u	<a href="#">o0980618</a>	ZATU270					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
IŠ~b 1286A		PC25	 1286A  F2101  F2102  F2103  F2104  F2105	     	     	     	
74x IV: 4p/1u; III: 46p/19u		o0980619	ZATU270				
IŠ~c 1286B		PC25	 1286B	 1286B			
2x IV: 1p; III: 1u		o0980620	ZATU270				
KA~a 1286C		PC25	 1286C	 1286C	 1286C	 1286C	
97x IV: 4p/1u; III: 48p/43u		o0980621	ZATU271				
KA~a.ŠE~a		PC25-sq	 1286C  F2106  F2107	  			
1x III: 1p		o0980622	ZATU274				
KA~a×SAR~a  1286D		PC25	 1286D	 1286D			
1x III: 1p		o0980623	ZATU273				
KA <sub>2</sub> ~a 1286E		PC25	 1286E	 1286E			
13x IV: 2p; III: 9p/2u		o0980624	ZATU275				
KA <sub>2</sub> ~b 1286F		PC25	 1286F	 1286F			
6x III: 3p/2u		o0980625	ZATU275				
KA <sub>2</sub> ~c		UNP	 F243F	 F243F			
1x IV: 1u		o0980626	ZATU275				
KA <sub>2</sub> ~d		EDI	 F24DA	 F24DA			
KA <sub>2</sub> ~d×LAM~b  12870		PC25	 12870  F2108	    	    	    	
AKA:  KA <sub>2</sub> ~LAM  CDLI:  KA <sub>2</sub> ~LAM  20x IV: 2p; III: 17p/1u		o0980628	ZATU276				
KAB 12871		PC25	 12871	 12871	 12871	 12871	
AKA: TUKU 146x IV: 34p/9u; III: 62p/30u		o0980629	ZATU277				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
KAB×1(N58)	UNP						
AKA:  TUKU+DIŠ  3x IV: 1u; III: 2u	<a href="#">o0980630</a>	ZATU278					
KAD <sub>4</sub> ~a 12872	PC25						
9x III: 9p	<a href="#">o0980631</a>	ZATU279					
KAD <sub>4</sub> ~b 12873	PC25						
2x III: 2p	<a href="#">o0980632</a>	ZATU279					
KAD <sub>4</sub> ~c1 12874	UNP						
1x IV: 1u	<a href="#">o0980633</a>	ZATU279					
KAD <sub>4</sub> ~c2 12875	UNP						
1x IV: 1u	<a href="#">o0980634</a>	ZATU279					
KAK~a 12876	PC25						
51x IV: 3p; III: 36p/11u	<a href="#">o0980635</a>	ZATU280					
KAK~a.GA <sub>2</sub> ~a1	PC25-sq						
3x III: 3p	<a href="#">o0980636</a>						
KAK~b 12877	PC25						
1x IV: 1p	<a href="#">o0980637</a>	ZATU280					
KAL~a 12878	PC25						
5x III: 5p	<a href="#">o0980638</a>	ZATU281					
KAL~b1 12879	PC25						
2x III: 2p	<a href="#">o0980639</a>	ZATU281					
KAL~b2 12878	PC25						
15x III: 8p/7u	<a href="#">o0980640</a>	ZATU281					
KALAM~a 12879	PC25						
29x IV: 2p/1u; III: 16p/9u	<a href="#">o0980641</a>	ZATU282					
KALAM~b 1287A	PC25						
54x IV: 3u; III: 31p/20u	<a href="#">o0980642</a>	ZATU282					
KALAM~c 1287B	PC25						
1x III: 1p	<a href="#">o0980643</a>	ZATU282					
KALAM~d 1287C	PC25						
1x III: 1p	<a href="#">o0980644</a>	ZATU282					
KALAM~e 1287D	PC25						
1x III: 1p	<a href="#">o0980645</a>	ZATU282					

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
KALAM~f 1287E		PC25						
1× III: 1p	<a href="#">o0980646</a>	ZATU282	1287E					
KALAM~g 1287F		PC25						
6× III: 6p	<a href="#">o0980647</a>	ZATU282	1287F					1287F
KALAM~h 12880		PC25						
3× III: 2p	<a href="#">o0980648</a>	ZATU282	12880					12880
KALAM~h2 12881		PC25						
1× III: 1p	<a href="#">o0980649</a>	ZATU282	12881					12881
KAR		PC25-sq						
7× IV: 2u; III: 4p/1u	<a href="#">o0980650</a>	ZATU283	F2271	F2271	F2271			
KAR <sub>2</sub> ~a 12882		PC25						
63× IV: 1p/1u; III: 51p/10u	<a href="#">o0980651</a>	ZATU284	12882	12882	12882			12882
KAR <sub>2</sub> ~b 12883		PC25						
11× IV: 1p; III: 8p/2u	<a href="#">o0980652</a>	ZATU284	12883	12883	12883			
KASKAL 12884		PC25						
58× IV: 6p/1u; III: 28p/22u	<a href="#">o0980653</a>	ZATU285	12884	12884	12884	12884	12884	12884
KASKAL@g		UNP						
CDLI:  KASKAL@g  1× III: 1u	<a href="#">o0980654</a>		F2443					
KAŠ~a 12885		PC25	1 F210A	12885	12885	12885	12885	12885
122× IV: 15p/4u; III: 92p/9u	<a href="#">o0980655</a>	ZATU286	12885	12885	12885	12885	12885	12885
KAŠ~b 12886		PC25	1 F210B	12886	12886	12886	12886	12886
126× IV: 30p/7u; III: 64p/21u	<a href="#">o0980656</a>	ZATU286	12886	12886	12886	12886	12886	12886
KAŠ~b×ŠE~a@t  12887		PC25	12887					
AKA:  KAŠ~b~b~ŠE~a  CDLI:  KAŠ~b~b~ŠE~a  2× IV: 2p	<a href="#">o0980657</a>	ZATU288						
KAŠ~b@t		ZERO						
CDLI:  KAŠ~b@t	<a href="#">o0980658</a>		F2444					
KAŠ~c 12888		PC25				12888	12888	12888
150× IV: 25p/11u; III: 47p/67u	<a href="#">o0980659</a>	ZATU287	12888	12888	12888	12888	12888	12888

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
KAŠ~d 12889	PC25	12889 F210C					F210C
19x III: 19p o0980660 ZATU286							
KEŠ₂	EDI	F24DB					
o0980661							
KI 1288A	PC25	1288A		1288A (a)	1288A (a)	1288A (a)	
AKA: KI~a 553x IV: 6p/5u; III: 322p/214u o0980662 ZATU289							
KI@n 1288B	PC25	1288B					1288B
4x III: 2p/2u o0980663							
KI@nxDUB~a  1288C	PC25	1288C					
AKA:  KI@n+DUB~a  1x III: 1p o0980664 ZATU567							
KIB 1288D	PC25	1288D		1288D			
11x IV: 1p/1u; III: 4p/2u o0980665 ZATU290							
KIB@g 1288E	PC25	1288E					
1x III: 1p o0980666							
KID~a 1288F	PC25	1288F		1288F		1288F	
18x III: 15p/3u o0980667 ZATU291							
KID~b 12890	PC25	12890		12890		12890	12890
73x IV: 1p; III: 54p/17u o0980668 ZATU291							
KID~c 12891	PC25	12891			12891		
5x IV: 1p; III: 3p o0980669 ZATU291							
KID~d 12892	PC25	12892			12892		
1x IV: 1p o0980670 ZATU291							
KID~e 12893	PC25	12893					12893
3x III: 3p o0980671 ZATU291							
KIN 12894	PC25	12894		12894			
3x III: 3p o0980672 ZATU292							
KIN₂~a 12895	PC25	12895			12895		
1x IV: 1p o0980673 ZATU293							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
KIN <sub>2</sub> -b 12896	PC25						
1x III: 1p o0980674	ZATU293						
KIN <sub>2</sub> -c 12897	PC25						
13x III: 13p o0980675	ZATU293						
KIN <sub>2</sub> -d 12898	PC25						
3x III: 3p o0980676	ZATU293						
KIN <sub>2</sub> -e 12899	PC25						
1x IV: 1p o0980677	ZATU293						
KINGAL	PC25-sq						
44x IV: 3p; III: 31p/10u o0980678	ZATU294						
KIR <sub>11</sub>	PC25-sq						
22x III: 7p/15u o0980679							
KISAL~a1 1289A	PC25						
15x IV: 13p; III: 1p/1u o0980680	ZATU295						
KISAL~a2	UNP						
1x IV: 1u o0980681	ZATU295						
KISAL~b1 1289B	PC25						
222x IV: 29p/2u; III: 147p/39u o0980682	ZATU295						
KISAL~b2 1289C	PC25						
7x III: 7p o0980683	ZATU295						
KISAL~b2@t 1289D	PC25						
CDLI:  KISAL~b2@t  2x III: 1p/1u o0980684							
KISAL~b3 1289E	PC25						
2x III: 2p o0980685	ZATU295						
KISIM~a 1289F	PC25						
62x IV: 1p; III: 48p/5u o0980686	ZATU296						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
KISIM~b 128A0	PC25	128A0 1 F2110 2 F2111 3 F2112	128A0 1 F2110 2 F2111 3 F2112	F2111			
23x III: 23p o0980687 ZATU296							
KISIM~c 128A1	PC25	128A1	128A1		128A1		
1x IV: 1p o0980688 ZATU296							
KIŠ 128A2	PC25	1 F2113 2 128A2 3 F2114	1 F2113 2 128A2 3 F2114	128A2	128A2	128A2	F2114
174x IV: 3p; III: 93p/36u o0980689 ZATU297							
KIŠIK~a 128A3	PC25	128A3	128A3	128A3		128A3	
29x III: 19p/10u o0980690 ZATU298							
KIŠIK~b 128A4	PC25	128A4	128A4				
3x III: 3p o0980691 ZATU298							
KITI	PC25-sq	1 F2116 2 F2115 3 F2117	1 F2116 2 F2115 3 F2117	F2117		F2116	
26x III: 12p/14u o0980692 ZATU299							
KU~a 128A5	PC25	128A5	128A5	128A5			
4x III: 4p o0980693 ZATU300							
KU~a@t	EDI	F24DC	F24DC				
		o0980694					
KU~b1 128A6	PC25	128A6	128A6		128A6	128A6	
75x IV: 1u; III: 35p/39u o0980695 ZATU300							
KU~b2 128A7	PC25	128A7	128A7	128A7			
27x III: 26p/1u o0980696 ZATU300							
KU <sub>3</sub> ~a 128A8	PC25	128A8 1 F2118	128A8 1 F2118	128A8 1 F2118 (b)	128A8 1 F2118 (b)	128A8 1 F2118 (b)	
262x IV: 40p/1u; III: 163p/49u o0980697 ZATU301							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
KU <sub>3~c</sub> 128A9	PC25 	128A9		128A9			
2x III: 1p/1u o0980698	ZATU301						
KU <sub>6~a</sub> 128AA	PC25 	128AA		128AA	128AA	128AA	128AA
385x IV: 40p/15u; III: 241p/84u o0980699	ZATU302						
KU <sub>6~a.1(N02)</sub>	PC25-sq 	F2249					
3x III: 3p o0980700							
KU <sub>6~a+GIŠ</sub>	ZERO 	F2248					
o0980701							
KU <sub>6~a+KU<sub>6~a</sub></sub>   128AB	PC25 	128AB		128AB		128AB	
10x IV: 1p/1u; III: 5p/3u o0980702	ZATU303						
KU <sub>6~a@s</sub>	UNP 	F2446					
1x III: 1u o0980703	ZATU446						
KU <sub>6~c</sub> 128AC	PC25 	128AC					128AC
1x III: 1p o0980704	ZATU302						
KU <sub>6~d</sub> 128AD	PC25 	128AD					
2x IV: 1u; III: 1p o0980705	ZATU217						
KUN	EDI 	F24DD					
o0980706							
KUR <sub>a</sub> 128AE	PC25 	128AE		128AE	128AE	128AE	128AE
361x IV: 40p/7u; III: 205p/97u o0980707	ZATU304						
KUR <sub>a.E<sub>2</sub>-a</sub>	PC25-sq 	F224A					
13x III: 11p/2u o0980708	ZATU130						
KUR <sub>a.NUNUZ-a1</sub>	ZERO 	F224B					
o0980709							
KUR <sub>b</sub> 128AF	PC25 	128AF			128AF		
6x IV: 3p/2u; III: 1p o0980710	ZATU304						
KUR <sub>b.E<sub>2</sub>-a</sub>	UNP 	F224C					
1x IV: 1u o0980711	ZATU130						
KUR <sub>c</sub> 128B0	PC25 	F2119		128B0			
1x III: 1p o0980712	ZATU304						
KUR <sub>d</sub>	UNP 	F2447					
1x IV: 1u o0980713	ZATU304						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
KUR@g~a 128B1	PC25 	128B1 	128B1 	128B1 			
CDLI:  KUR@g~a  9x IV: 3p/2u; III: 4p o0980714 ZATU329							
KUR@g~b 128B2	PC25 	128B2 	128B2 				
CDLI:  KUR@g~b  1x IV: 1p o0980715 ZATU329							
KUŠU₂~a 128B3	PC25 	128B3 	128B3 	128B3 			
4x IV: 4p o0980716 ZATU305							
KUŠU₂~b 128B4	PC25 	128B4 	128B4 	128B4 			
7x IV: 3p/2u; III: 1p/1u o0980717 ZATU305							
KUŠU₂~c 128B5	PC25 	128B5 	128B5 	128B5 			
3x III: 2p/1u o0980718 ZATU305							
KUŠU₂~d 128B6	PC25 	128B6 	128B6 	128B6 			
1x III: 1p o0980719 ZATU305							
KUŠU₂~e 128B7	PC25 	128B7 	128B7 	128B7 			
1x IV: 1p o0980720 ZATU305							
KUŠU₂~f 128B8	PC25 	128B8 	128B8 	128B8 			
1x III: 1p o0980721 ZATU305							
LA~b 128B9	PC25 	128B9 	128B9 	128B9 			
AKA: LA 3x IV: 1p; III: 2p o0980722 ZATU306							
LA~c	UNP						
1x III: 1u o0980723 ZATU306	F2448						
LA~d 128BA	PC25 	128BA 	128BA 				
1x IV: 1p o0980724 ZATU306							
LA~e	EDI						
	o0980725	F24DE 					
LA₂ 128BB	PC25 	128BB 	128BB 				
91x IV: 2p; III: 52p/36u o0980726 ZATU307							
LAGAB~a 128BC	PC25 	128BC 	128BC 	128BC 	128BC 	128BC 	CUSAS
52x IV: 8p/1u; III: 15p/24u o0980727 ZATU308							
		1 F211A					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
LAGAB~a×BA  1× III: 1u o0980728	UNP F2449	Ⓐ					
LAGAB~a×BIR <sub>3</sub> ~b  2× III: 2u o0980729	UNP F244A	Ⓑ					
LAGAB~a×DU <sub>6</sub> ~a  128BD AKA:  LAGAB~a×DU <sub>6</sub> ~b  CDLI:  LAGAB~a×DU <sub>6</sub> ~b  1× IV: 1p o0980730 ZATU310	PC25 128BD	Ⓒ	Ⓓ		Ⓔ	Ⓕ	
LAGAB~a×KAK~a  1× III: 1u o0980731	UNP F244B	Ⓓ	Ⓔ				
LAGAB~a×KU <sub>6</sub> ~a  128BE 1× III: 1p o0980732 ZATU313	PC25 128BE	Ⓕ	Ⓖ				
LAGAB~a×(KU <sub>6</sub> ~a+KU <sub>6</sub> ~a)  128BF 1× III: 1p o0980733	PC25 128BF	Ⓖ	Ⓗ			Ⓗ	Ⓙ
LAGAB~a×KUŠU <sub>2</sub> ~a@t  128C0 AKA:  LAGAB~a×KUŠU <sub>2</sub> ~b  CDLI:  LAGAB~a×KUŠU <sub>2</sub> ~b  3× IV: 2p/1u o0980734 ZATU314	PC25 128C0	Ⓛ	Ⓜ				
LAGAB~a×LA <sub>2</sub> ~a  1× o0980735	UNP F2521	Ⓜ	Ⓝ				
LAGAB~a×LAGAB~a  1× III: 1u o0980736	UNP F244C	Ⓞ	Ⓞ				
LAGAB~a×ME~a  128C1 2× IV: 2p o0980737 ZATU315	PC25 128C1 1 F211B	Ⓟ	Ⓟ	Ⓟ			
LAGAB~a×NI~a  1× III: 1u o0980738	UNP F2520	Ⓡ	Ⓝ				
LAGAB~a×NUN~b  128C2 2× IV: 1p/1u o0980739 ZATU316	PC25 128C2	Ⓣ	Ⓣ	Ⓣ	Ⓣ	Ⓣ	
LAGAB~a×PA~a  128C3 5× IV: 2p; III: 2p/1u o0980740 ZATU317	PC25 128C3	⓫	⓫		⓫	⓫	
LAGAB~a×SI  3× III: 3u o0980741	UNP F244D	⓬	⓬				
LAGAB~a×SIG <sub>7</sub>   128C4 1× III: 1p o0980742	PC25 128C4	⓭	⓭				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
LAGAB~a×SU~a  128C5  1× III: 1p	PC25 	 128C5					
LAGAB~a×ŠA  128C6  10× III: 10p	PC25 	 128C6  <sup>1</sup> <sup>2</sup> F211C F211D	  <sup>1</sup> <sup>2</sup>	 F211C		 F211D	
LAGAB~a×ŠITA~a1  128C7  20× III: 18p/1u	PC25 	 128C7  <sup>1</sup> F211E	  <sup>1</sup>	 F211E	 128C7	 128C7	
LAGAB~a×TI  128C8  1× III: 1p	PC25 	 128C8  <sup>1</sup> F211F	  <sup>1</sup>	 F211F			
LAGAB~a×U <sub>4</sub>   128C9  1× III: 1p	PC25 	 128C9	  <sup>1</sup> F2120				 128C9
LAGAB~a×UB  128CA  1× IV: 1p	PC25 	 128CA	  <sup>1</sup> F2121				
LAGAB~a×X   3× IV: 1p; III: 2p	PC25-bk  	 F2120  <sup>1</sup> F2121	  <sup>1</sup>	 F2121			
LAGAB~a×ZATU753  128CB  2× IV: 1p	PC25 	 128CB  <sup>1</sup> F2122	  <sup>1</sup> F2122	 F2122			
LAGAB~a×2(N14)  128CC  1× IV: 1p	PC25 	 128CC	  <sup>1</sup> 128CC		 128CC		
LAGAB~a×1(N58)  128CD  1× III: 1p	PC25 	 128CD					 128CD
LAGAB~b 128CE  149× IV: 5p/2u; III: 106p/33u	PC25  	 128CE	  <sup>1</sup> 128CE	 128CE	 128CE	 128CE	
LAGAB~b.TE   10× IV: 1p; III: 9p	PC25-sq  	 128CE_12A62					
LAGAB~b×BANŠUR~a   1× IV: 1u	UNP  	 F244E	  <sup>1</sup> F244F				
LAGAB~b×GA'AR~a1   1× IV: 1u	UNP  	 F244F	  <sup>1</sup> F244F				

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
LAHTAN <sub>2</sub> 9x III: 7p/2u o0980773	PC25-sq ZATU324	EDI	F2265	F2265			
LAK025 o0980774							
LAK050 o0980775							
LAK172 o0980776							
LAK251 o0980777							
LAK350 o0980778							
LAK777 o0980779							
LAL <sub>2</sub> -a 128D9 39x IV: 13p; III: 20p/6u o0980780	PC25 ZATU325	EDI	128D9	128D9	128D9	128D9	128D9
LAL <sub>2</sub> -axEZEN-a  128DA 2x III: 2p o0980782	UNP ZATU326	EDI	F2451				
LAL <sub>2</sub> -axNAGA-a  128DB 3x III: 2p/1u o0980783	PC25 ZATU325	EDI	128DA				128DA
LAL <sub>2</sub> -b 128DC 1x IV: 1p o0980784	PC25 ZATU325	EDI	128DB				128DB
LAL <sub>3</sub> -a 128DD 5x III: 2p/3u o0980785	PC25 ZATU327	EDI	128DC				
LAL <sub>3</sub> -b 128DE 2x III: 1p/1u o0980786	PC25 ZATU327	EDI	128DD				
LAL <sub>3</sub> -c o0980787	EDI						
LAM-a 128DF 5x III: 4p/1u o0980788	PC25 ZATU328	EDI	128DE	128DF	128DF		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
LAM~b 128E0	PC25	1 F2123 128E0 2 F2124	1 F2123 128E0 2 F2124	1 F2123 128E0 2 F2124	1 F2123 128E0 2 F2124		
61x IV: 12p/5u; III: 25p/19u	<a href="#">o0980789</a>	ZATU328					
LAM~b@r 128E1	PC25	128E1	128E1		128E1		
1x IV: 1p	<a href="#">o0980790</a>						
LAM~b@s	UNP	F2452	F2452				
1x IV: 1u	<a href="#">o0980791</a>	ZATU329					
LAM~b@t 128E2	PC25	128E2	128E2				
CDLI:  LAM~b@t  2x IV: 2p	<a href="#">o0980792</a>						
LAM~c	EDI	F24E6	F24E6				
	<a href="#">o0980793</a>						
LI	PC25-sq	1 F2125 1 F2126	1 F2125 1 F2126	1 F2125 1 F2126			
7x III: 7p	<a href="#">o0980794</a>	ZATU330					
LIŠ 128E3	PC25	128E3	128E3	128E3			
10x III: 3p/7u	<a href="#">o0980795</a>	ZATU331					
LU₂ 128E4	PC25	1 F2127 128E4 2 F2128	1 F2127 128E4 2 F2128	128E4 F2127 128E4 128E4			
58x IV: 1p/1u; III: 30p/24u	<a href="#">o0980796</a>	ZATU332					
LU₂~GEŠTU~c3	UNP	F2453	F2453				
1x III: 1u	<a href="#">o0980797</a>	ZATU333					
LU₂@t	EDI	F24E7	F24E7				
	<a href="#">o0980798</a>						
LUGAL	PC25-sq	1 F212A F2129	1 F212A F2129				
13x IV: 1u; III: 8p/4u	<a href="#">o0980799</a>	ZATU334					
LUM 128E5	PC25	128E5	128E5	128E5			
14x IV: 1p; III: 9p/4u	<a href="#">o0980800</a>	ZATU335					
MA 128E6	PC25	128E6 1 F212B	128E6 1 F212B	F212B 128E6 1 F212B			
195x IV: 38p/20u; III: 84p/51u	<a href="#">o0980801</a>	ZATU336					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
MA×A  128E7 2× IV: 2p o0980802	PC25 ZATU337						
MA×MA  128E8 9× IV: 8p; III: 1p o0980803	PC25 ZATU338						
MA×X  o0980804	EDI						
MA×2(N57)  o0980805	EDI						
MA×1(N58)  128E9 1× III: 1p o0980806	PC25 ZATU339						
MA₂ 128EA 9× IV: 5p/2u; III: 1u o0980807	PC25 ZATU340						
MAGUR~a 128EB 4× IV: 4p o0980808	PC25 ZATU340						
MAGUR~b 128EC 1× IV: 1p o0980809	PC25 ZATU340						
MAH~a 128ED 13× IV: 2p; III: 6p/4u o0980810	PC25 ZATU341						
MAH~a×AB₂  128EE 1× IV: 1p o0980811	PC25 ZATU342						
MAH~a×GUKKAL~a  128EF 1× IV: 1p o0980812	PC25 ZATU342						
MAH~a×KU₆~a  128F0 2× IV: 1u; III: 1p o0980813	PC25 ZATU343						
MAH~a×MAŠ  128F1 11× IV: 4p; III: 5p/2u o0980814	PC25 ZATU344						
MAH~a×NA~a  128F2 3× III: 3p o0980815	PC25 ZATU345						
MAH~a×(SILA₃~a×UMBIN~a)  128F3 1× IV: 1p o0980816	PC25 ZATU346						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
MAH~a×TUG <sub>2</sub> ~a  128F4	PC25 	128F4 			128F4 		
1× IV: 1p o0980817	ZATU347						
MAH~a×TUN <sub>3</sub> ~c  128F5	PC25 	128F5 					128F5 
1× III: 1p o0980818							
MAH~a×UD <sub>5</sub> ~a  128F6	PC25 	128F6 			128F6 		
2× IV: 2p o0980819	ZATU348						
MAH~a×UDU~a  128F7	PC25 	128F7 			128F7 		
1× IV: 1p o0980820	ZATU349						
MAH~a×UR~a  128F8	PC25 	128F8 					
2× IV: 2p o0980821	ZATU350						
MAH~a×UTUA~a  128F9	PC25 	128F9 			128F9 		
1× IV: 1p o0980822	ZATU351						
MAH~a×X	PC25-bk 	F2454 			F2454 		
7× IV: 5p; III: 1p/1u o0980823							
MAH~a×ZATU659  128FA	PC25 	128FA 			128FA 		
1× IV: 1p o0980824							
MAH~b 128FB	PC25 	128FB 			128FB 		
2× IV: 1p; III: 1u o0980825	ZATU341						
MAH~b×KU <sub>6</sub> ~a  1× IV: 1u o0980826	UNP 	F2455 					
MAH~b×MAŠ  1× III: 1u o0980827	UNP 	F2456 					
MAH~b×NA~a  128FC	PC25 	128FC 					
1× III: 1p o0980828							
MAH~b×SAL  128FD	PC25 	128FD 			128FD 		
1× IV: 1p o0980829	ZATU345						
MAR~a 128FE	PC25 	128FE 			128FE 		
164× IV: 15p/1u; III: 90p/47u o0980830	ZATU352	1 F212C 		128FE 	128FE 	128FE 	128FE 
MAR~a@g 128FF	PC25 	128FF 			128FF 		
AKA: MAR@g~a 2× III: 2p o0980831		1 F212D 					F212D 
MAR~a@t 12900	PC25 	12900 			12900 		
1× III: 1p o0980832							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
MAR~b 12901 22× IV: 10p; III: 11p/1u o0980833	PC25 ZATU352	12901					
MAR~b×GAR  12902 1× III: 1p o0980834	PC25	12902					
MAR~b×(LAGAB~b.ŠE <sub>3</sub> )  12903 1× o0980835	PC25 ZATU353	12903					
MAR~b×ŠE~a  12904 1× IV: 1p o0980836	PC25 ZATU354	12904					
MAR~b×X  2× III: 2p o0980837	PC25-bk	F2457					
MAŠ 12905 220× IV: 50p/1u; III: 102p/65u o0980838	PC25 ZATU355	12905					
MAŠ <sub>2</sub> 12906 AKA: MAŠNITA 164× IV: 2p; III: 84p/75u o0980839	PC25 ZATU357	12906					
MAŠ <sub>2@g</sub> 12907 1× III: 1p o0980840	PC25	12907					
ME~a 12908 511× IV: 22p/13u; III: 358p/98u o0980841	PC25 ZATU358	12908					
ME~b 12909 4× IV: 2p; III: 2p o0980842	PC25 ZATU358	12909					
ME <sub>3</sub> 1290A 5× III: 4p/1u o0980843	PC25 ZATU359	1290A					
MEN~a 1290B 48× IV: 2p/2u; III: 27p/16u o0980844	PC25 ZATU360	1290B					
2 F212F							
MEN~b 1290C 4× IV: 2p; III: 2p o0980845	PC25 ZATU360	1290C					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
MES 1290D	PC25		 F2130 1290D				
41x III: 35p/6u		ZATU361					
MIR~a 1290E	PC25						
23x III: 21p/2u		ZATU362					
MIR~b 1290F	PC25						
16x III: 10p/6u		ZATU362					
MU 12910	PC25						
140x IV: 11p/1u; III: 101p/20u		ZATU363					
MUD 12911	PC25						
115x IV: 2u; III: 81p/32u		ZATU364					
1							
MUD <sub>3</sub> ~a 12912	PC25						
35x IV: 3p; III: 24p/7u		ZATU365					
MUD <sub>3</sub> ~a@g 12913	PC25						
AKA: MUD <sub>3</sub> @g 6x III: 4p/2u		ZATU366					
1							
MUD <sub>3</sub> ~a@g@GU	EDI						
MUD <sub>3</sub> ~b 12914	PC25						
2x IV: 1p; III: 1u		ZATU365					
MUD <sub>3</sub> ~c 12915	PC25						
4x III: 4p		ZATU365					
MUD <sub>3</sub> ~d 12916	PC25						
5x III: 4p		ZATU365					
MUL 12917	PC25						
3x III: 2p/1u		ZATU367					
MUN~a1 12918	PC25						
59x IV: 5p/2u; III: 30p/18u		ZATU368					
1							
MUN~a2 12919	PC25						
4x III: 2p/2u		ZATU368					
1							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
MUN~a3 1291A	PC25						
2x IV: 1p; III: 1u o0980860	ZATU368						
MUN~a4 1291B	PC25						
1x III: 1p o0980861	ZATU368						
MUN~b 1291C	PC25						
2x III: 2p o0980862	ZATU368						
MUNŠUB~a 1291D	PC25						
2x IV: 2p o0980863	ZATU369						
MUNŠUB~b 1291E	PC25						
18x III: 1p/17u o0980864	ZATU369						
MUNU <sub>3</sub> 1291F	PC25						
16x III: 15p/1u o0980865	ZATU370						
MURUB <sub>2</sub>	PC25-sq						
5x III: 3p/2u o0980866	ZATU371						
MUŠ 12920	PC25						
3x III: 3p o0980867	ZATU373						
MUŠ <sub>3</sub> ~a 12921	PC25						
339x IV: 56p/7u; III: 198p/66u o0980868	ZATU374	  					
MUŠ <sub>3</sub> ~a@g 12922	PC25						
6x IV: 2p/4u o0980869	ZATU375	 					
MUŠ <sub>3</sub> ~b 12923	PC25						
4x IV: 1p; III: 3p o0980870	ZATU374						
MUŠEN 12924	PC25						
321x IV: 22p/4u; III: 200p/80u o0980871	ZATU376	 					
MUŠEN.UR <sub>3</sub> -b2	PC25-sq		  	  	  		
2x IV: 1p/1u o0980872	ZATU377						
MUŠEN.3(N58)	UNP						
1x III: 1u o0980873							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
MUŠEN×PAP~a  1× III: 1u o0980874	UNP F2506						
MUŠEN×X  o0980875	ZERO F2458						F2458
1(N02).RU  1× III: 1p o0980876	PC25-sq 125BE_F2164						
1(N58).BAD  12925 AKA:  1(N58).BAD~a   1(N58).BAD~a   BAD+DIŠ~a   BAD+DIŠ~a  CDLI:  1(N58).BAD~a  85× IV: 18p/3u; III: 46p/18u o0980877 ZATU043	PC25 						
(1(N58).BAD~b)  12926 AKA:  1(N58).BAD~b  CDLI:  1(N58).BAD~b  6× IV: 4p/2u o0980878 ZATU043	PC25 						
3(N58).UR <sub>3</sub> ~b1  12927 1× III: 1p o0980879	PC25 						
NA~a 12928 AKA: NA 169× IV: 4p/2u; III: 91p/70u o0980880 ZATU378	PC25 						
NA~b 12929 8× IV: 4p; III: 1p/2u o0980881 ZATU378	PC25 						
NA~c 1292A 4× IV: 4p o0980882 ZATU378	PC25 						
NA~d 1292B F2459	UNP F2459						
NA <sub>2</sub> ~a 1292B 84× IV: 3p/4u; III: 49p/25u o0980884 ZATU379	PC25 1 F213B						
NA <sub>2</sub> ~b1 1292C 6× IV: 1p; III: 5p o0980885 ZATU379	PC25 1292C						
NA <sub>2</sub> ~b2 1292D 7× III: 6p/1u o0980886 ZATU379	PC25 1292D						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NA <sub>2~c</sub> 1292E 1× III: 1p o0980887 ZATU379	PC25 	 1292E					 1292E
NAB 1292F 20x III: 13p/4u o0980888 ZATU380	PC25 	 1292F 1 F213C 2 F213D	 1292F				 1292F
NAGA~a 12930 AKA: NAGA 163x IV: 13p/6u; III: 100p/37u o0980889 ZATU381	PC25 	 12930	 12930	 12930	 12930	 12930	
NAGA~a×TAK <sub>4~a</sub>   12931 1× III: 1p o0980890	PC25 	 12931	 12931				
NAGA~b 12932 7x IV: 6p/1u o0980891 ZATU381	PC25 	 12932	 12932	 12932			
NAGAR~a 12933 100x IV: 40p; III: 50p/10u o0980892 ZATU382	PC25 	 1 F213E 2 F213F 3 F2140 12933	 12933 2 12933 3 12933	 12933 2 12933 3 12933	 12933 2 12933 3 12933	 12933 2 12933 3 12933	
NAGAR~b 12934 95x IV: 1u; III: 85p/5u o0980893 ZATU382	PC25 	 12934 1 F2141	 12934 1 F2141	 12934 1 F2141	 12934 1 F2141	 12934 1 F2141	
NAM~a 12935 11x IV: 5p; III: 2p/3u o0980894 ZATU383	PC25 	 12935	 12935		 12935		
NAM~b 12936 3x IV: 3p o0980895 ZATU383	PC25 	 12936	 12936		 12936		
NAM~c 12937 4x IV: 1u; III: 3p o0980896 ZATU383	PC25 	 12937	 12937				
NAM~d 12938 5x IV: 1u; III: 2p/2u o0980897 ZATU383	PC25 	 12938	 12938	 12938	 12938	 12938	

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS	
NAM₂ 12939	PC25							
829× IV: 61p/12u; III: 51p/219u o0980898	ZATU384							
1× III: 1p o0980899	ZATU385							
NAM₂@g 1293B	PC25							
1× III: 1p o0980900	ZATU386							
NAM₂@t 1293C	PC25							
9× IV: 1p; III: 8u o0980901	ZATU387							
NAMEŠDA	PC25-sq							
87× IV: 2p/1u; III: 65p/18u o0980902	ZATU387							
NANNA~a	PC25-sq							
11× III: 5p/5u o0980903	ZATU388							
NANNA~b	PC25-sq							
2× III: 2p o0980904	ZATU388							
NANŠ~a 1293D	PC25							
6× IV: 2p; III: 3p/1u o0980905	ZATU389							
NANŠ~b 1293E	PC25							
7× III: 7p o0980906	ZATU389							
NAR	PC25							
1293F								
127× IV: 5p; III: 62p/56u o0980907	ZATU390							
NE~a 12940	PC25							
345× IV: 49p/17u; III: 185p/89u o0980908	ZATU391							
NE~b 12941	PC25							
1× IV: 1p o0980909	ZATU391							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NE~c 12942  3× IV: 1p; III: 2p o0980910	PC25  ZATU391	12942 F214C					
NE~d 12943  2× IV: 2p o0980911	PC25  ZATU391	12943		12943			
NERGAL~v CDLI: NERGAL~x 1× III: 1p o0980912	PC25-sq  ZATU392	F223F		F223F			
NESAG <sub>2</sub> ~a 12944  73× IV: 37p/2u; III: 26p/8u o0980913	PC25  ZATU416 ZATU570	12944 1 F214D	12944 F214D	F214D			
NESAG <sub>2</sub> ~a2  AKA: NISAG~a3 1× III: 1u o0980914	UNP  ZATU416	F2531					
NESAG <sub>2</sub> ~b~b 12945  24× IV: 9p/3u; III: 11p/1u o0980915	PC25  ZATU416	1 F214E 12945	12945	12945		F214E	
NESAG <sub>2</sub> ~b@t 1× III: 1u o0980916	UNP  ZATU416	F245A					
NI~a 12946  356× IV: 13p/6u; III: 192p/145u o0980917	PC25  ZATU393	12946	12946	12946	12946	12946	12946
NI~a.RU   78× III: 78p o0980918	PC25-sq  ZATU393	F2255				F2255	
NI~a×1(N57)   o0980919	ZERO  ZATU393	F245B					
NI~a@g 12947  1× IV: 1p o0980920	PC25  ZATU394	12947	12947		12947		
NI~b 12948  91× IV: 5p; III: 75p/10u o0980921	PC25  ZATU393	12948	12948	12948	12948		12948
NI~b×X  1× IV: 1p o0980922	PC25-bk  ZATU393	F245C	F245C	F245C			
NI~b×4(N57)  12949  1× III: 1p o0980923	PC25  ZATU393	12949 1 F214F	12949 1 F214F	F214F			
NI~b×8(N57)  1294A  CDLI:  8(N57).NI~b  1× III: 1p o0980924	PC25  ZATU393	1294A	1294A	1294A			

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NI <sub>2</sub> 1294B 32× III: 27p/5u	PC25 o0980925 ZATU396		 1294B	 1294B			
NIGIN 1294C 9× III: 7p/2u	PC25 o0980926 ZATU397		 1294C	 1294C		 1294C	
NIM~a 1294D 88× IV: 22p/6u; III: 44p/15u	PC25 o0980927 ZATU398		 1294D	 1294D			 1294D
NIM~b1 1294E 68× IV: 2p; III: 41p/25u	PC25 o0980928 ZATU398		 1294E	 1294E		 1294E	
NIM~b2 1294F 22× IV: 2p; III: 10p/9u	PC25 o0980929 ZATU398		 1294F	 1294F	 1294F		
NIM~b3 12950 1× III: 1p	PC25 o0980930 ZATU398		 12950			 12950	
NIM~d	UNP o0980931 ZATU398		 F2532				
NIMGIR 12951 84× IV: 23p/1u; III: 42p/15u	PC25 o0980932 ZATU399		 1 F2150 12951	 12951	 12951		
NIN 107× IV: 1u; III: 67p/37u	PC25-sq o0980933 ZATU400		 F225A	 F225A		 F225A	
NINDA <sub>2</sub> 12952 23× IV: 9p/3u; III: 7p/2u	PC25 o0980934 ZATU401		 1 F2151 12952	 12952	 12952		
NINDA <sub>2</sub> ×AN  12953 2× III: 1p/1u	PC25 o0980935		 12953				
NINDA <sub>2</sub> ×(AN.HI)  12954 2× III: 2p	PC25 o0980936		 12954				
NINDA <sub>2</sub> ×(AN.ME~a)  12955 1× III: 1p	PC25 o0980937 ZATU406		 12955 3 F2152	 F2152			
NINDA <sub>2</sub> ×(AN.X)  1× III: 1p	PC25-bk o0980938		 F245D	 F245D			
NINDA <sub>2</sub> ×BA  1× III: 1u	UNP o0980939 ZATU402		 F245E	 F245E			

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NINDA₂×EZEN~b  12956 2× III: 2p	PC25 o0980940 ZATU403	12956					
NINDA₂×GA'AR~a1  12957 1× III: 1p	PC25	12957					
NINDA₂×GAR  12958 3× IV: 1p/1u; III: 1p	PC25 o0980942 ZATU404	12958					
NINDA₂×GIŠ  12959 3× IV: 1p; III: 2p	PC25 o0980943 ZATU405	12959	12959				
NINDA₂×(GIŠ.DAR~a)  o0980944	EDI	F2508					
NINDA₂×GU₄  1295A 1× III: 1p	PC25 o0980945	1295A					
NINDA₂×GUDU₄  o0982243 ZATU406	DEL	1 F2155 2 F2154 1 F2153 3 F2152	1 F2155 2 F2154 1 F2153 3 F2152				
NINDA₂×HI  1295B 5× III: 3p/2u	PC25 o0980946 ZATU407	1295B					
NINDA₂×(HI.AN.ME~a)  1295C 5× III: 3p/2u	PC25 o0980947 ZATU406	1295C 1 F2153 2 F2154	1 F2153 2 F2154				
NINDA₂×(HI.ME~a)  1295D AKA:  NINDA₂×(HI+ME~a)  4× III: 1p/3u	PC25 o0980948 ZATU406	1295D 1 F2155	1 F2155				
NINDA₂×(HI.X)  1× III: 1p	PC25-bk o0980949	F245F					
NINDA₂×KAŠ~b  1295E 3× III: 2p/1u	PC25 o0980950	1295E				1295E	
NINDA₂×MAR~a  1295F 1×	PC25 o0980951 ZATU408	1295F				1295F	

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NINDA₂×MAR~b  12960 1x III: 1p o0980952 ZATU408	PC25 	PC25 	12960 				
NINDA₂×NE~a  o0980953	EDI F2509	EDI 					
NINDA₂×NUN~a  12961 3x III: 3p o0980954	PC25 	PC25 	12961 				12961 
NINDA₂×ŠIM~a  o0980955	EDI F250A	EDI 					
NINDA₂×U₄  12962 3x III: 1p/2u o0980956 ZATU409	PC25 	PC25 	12962 				
NINDA₂×(U₄.X)  1x III: 1u o0980957	UNP F2460	UNP 					
NINDA₂×(UDU~a×TAR~a)  AKA:  NINDA₂×((UDU~a×TAR)~a)  CDLI:  NINDA₂×((UDU~a×TAR)~a)  1x III: 1u o0980958 ZATU410	UNP F2461 	UNP 					
NINDA₂×(UDU~a×TAR~b)  AKA:  NINDA₂×((UDU~a+TAR)~b)  1x III: 1u o0980959 ZATU410	UNP F2462 	UNP 					
NINDA₂×X  12x IV: 2p/1u; III: 3p/5u o0980960	PC25-bk F2463 	PC25-bk 					F2463 
NINDA₂×(X.MAŠ)  o0980961	EDI F250B 	EDI 					
NINDA₂×(ZATU659×1(N01))  12963 2x III: 2p o0980962	PC25 	PC25 	12963 				
NINDA₂×ZATU710  12964 3x III: 3p o0980963	PC25 	PC25 	12964 				12964 
NINDA₂×1(N01)  12965 7x IV: 3p/1u; III: 2p/1u o0980964 ZATU411	PC25 	PC25 	12965 	12965 			12965 
NINDA₂×2(N01)  12966 1x III: 1p o0980965 ZATU411	PC25 	PC25 	12966 	12966 			
NINDA₂×1(N06)  o0980966	EDI F2507 	EDI 					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NINDA <sub>2</sub> ×(1(N06).HI@g~a)  12967	PC25						
AKA:  NINDA <sub>2</sub> ×(HI@g~a.1(N06))  CDLI:  NINDA <sub>2</sub> ×(HI@g~a.1(N06))  2× III: 1p/1u o0980967	ZATU021						
NINDA <sub>2</sub> ×(N08)  12968	PC25						
1× IV: 1p o0980968	ZATU411						
NINKUM	PC25-sq						
10× III: 10p o0980969	ZATU412						
NINLIL	PC25-sq						
4× III: 4p o0980970	ZATU413						
NIR~a 12969	PC25						
32× IV: 1u; III: 23p/7u o0980971	ZATU414						
NIR~a×AN  1296A	PC25						
14× III: 5p/9u o0980972	ZATU415						
NIR~b 1296B	PC25						
15× IV: 10p; III: 4p o0980973	ZATU414						
NU 1296C	PC25						
63× IV: 2p/4u; III: 37p/18u o0980974	ZATU417						
NU@g 1296D	PC25						
21× IV: 5p/7u; III: 8p o0980975	ZATU418						
NU <sub>11</sub> 1296E	PC25						
45× IV: 2p; III: 37p/6u o0980976	ZATU419						
NU <sub>11</sub> &NU <sub>11</sub>   1296F	PC25						
1× III: 1p o0980977							
NU <sub>11</sub> @t 12970	PC25						
CDLI:  NU <sub>11</sub> @t  4× III: 2p/2u o0980978							
NUMUN 12971	PC25						
15× IV: 1p; III: 12p/2u o0980979							
NUMUN <sub>2</sub>	UNP						
2× III: 2u o0980980	ZATU420						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NUN~a 12972	PC25	12972	12972	12972	12972	12972	
726x IV: 97p/13u; III: 431p/155u	<a href="#">o0980981</a> ZATU421						
NUN~a+A  12973	PC25	12973	12973	12973			
3x IV: 2p; III: 1p	<a href="#">o0980982</a> ZATU422						
NUN~a+EN~a  12974	PC25	12974	12974	12974	12974		
AKA:  EN~a×NUN~a  39x IV: 11p/5u; III: 12p/5u	<a href="#">o0980983</a> ZATU135						
NUN~a+EN~b  12975	PC25	12975	12975	12975	12975 (b)		
5x IV: 2p/3u	<a href="#">o0980984</a> ZATU135						
NUN~a+EN~d  12976	PC25	12976	12976				
1x IV: 1p	<a href="#">o0980985</a> ZATU135						
NUN~a+NAM <sub>2</sub>   12977	PC25	12977	12977		12977		
13x III: 13p	<a href="#">o0980986</a>						
NUN~b 12978	PC25	12978	12978	12978	12978		
117x IV: 35p/3u; III: 16p/61u	<a href="#">o0980987</a> ZATU421						
NUN~b.U <sub>4</sub>	PC25-sq	12978_12A7F					
1x III: 1p	<a href="#">o0980988</a>						
NUN~b+EN~a  12979	PC25	12979	12979				
AKA:  EN~a+NUN~b  9x III: 8p	<a href="#">o0980989</a> ZATU135						
NUN~c 1297A	PC25	1 F2157 2 1297A 3 F2158 4 F2159					
18x IV: 14p/2u; III: 2p	<a href="#">o0980990</a> ZATU421						
NUN~d 1297B	PC25	1297B	1297B				
4x IV: 2p	<a href="#">o0980991</a> ZATU421						
NUNUZ~a0 1297C	PC25	1297C	1297C				
AKA: NUNUZ~a1@n 13x III: 3p/10u	<a href="#">o0980992</a> ZATU423						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NUNUZ~a1 1297D  184x IV: 3p/2u; III: 109p/67u o0980993 ZATU423	PC25  ZATU423	1297D  F2465	1297D  F2465	1297D  F2465	1297D  F2465	1297D  F2465	1297D  F2465
NUNUZ~a1@t  CDLI:  NUNUZ~a1@t  2x III: 2u o0980994	UNP						
NUNUZ~a2 1297E  14x IV: 6p; III: 2p/5u o0980995 ZATU423	PC25  ZATU423	1297E  F2466	1297E  F2466	1297E  F2466	1297E  F2466	1297E  F2466	1297E  F2466
NUNUZ~b1 1297F  5x IV: 2p; III: 3p o0980996 ZATU423	PC25  ZATU423	1297F  F2466	1297F  F2466	1297F  F2466	1297F  F2466	1297F  F2466	1297F  F2466
NUNUZ~b2  1x III: 1u o0980997 ZATU423	UNP  ZATU423						
NUNUZ~c 12980  27x IV: 1p; III: 14p/11u o0980998 ZATU423	PC25  ZATU423	12980 1 F215A 2 F215B 3 F215C					
PA~a 12981  514x IV: 40p/8u; III: 338p/116u o0980999 ZATU425	PC25  ZATU425	1 F215D 12981 2 F215E 3 F215F					
PA~b 12982  2x IV: 1p o0981000 ZATU425	PC25  ZATU425	12982	12982	12982	12982	12982	12982
PA <sub>3</sub>  o0981001	EDI	F24E8	F24E8				
PAD~a 12983  30x IV: 3p; III: 18p/9u o0981002 ZATU426	PC25  ZATU426	12983	12983	12983	12983	12983	12983
PAD~b 12984  1x III: 1p o0981003 ZATU426	PC25  ZATU426	12984	12984	12984	12984	12984	12984
PAP~a 12985  855x IV: 51p/11u; III: 501p/246u o0981004 ZATU427	PC25  ZATU427	12985	12985	12985	12985	12985	12985

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
PAP~a@t 12986	PC25	12986 1 F2160					F2160 F2160 (o)
AKA: PAP@t 21x III: 21p							
PAP~b 12987	PC25	12987 1 F2161					12987
4x IV: 2p/1u; III: 1p	o0981006	ZATU427					
PIRIG~a1 12988	PC25	12988 12988					
19x IV: 15p/1u; III: 1p	o0981007	ZATU428					
PIRIG~a2 12989	PC25	12989 12989					
1x IV: 1p	o0981008	ZATU428					
PIRIG~a3 1298A	PC25	1298A 1298A					
2x IV: 1p; III: 1p	o0981009	ZATU428					
PIRIG~b1 1298B	PC25	1298B 1298B					
174x IV: 5p/3u; III: 107p/54u	o0981010	ZATU428					
PIRIG~b1+DIN  1298C	PC25	1298C 1298C					1298C
2x III: 2p	o0981011						
PIRIG~b1×UR <sub>2</sub>	UNP	F2467					
2x III: 2u	o0981012						
PIRIG~b1×1(N58@t)	ZERO	F2528					F2528
o0981013							
PIRIG~b2 1298D	PC25	1298D 1298D					
2x IV: 1p; III: 1p	o0981014	ZATU428					
PU <sub>2</sub> 1298E	PC25	1298E 1298E					
40x IV: 1p; III: 34p/4u	o0981015	ZATU430					
RA 1298F	PC25	1298F 1298F					1298F
4x IV: 1p; III: 3p	o0981016	ZATU431					
RAD~a 12990	PC25	12990 12990					
238x IV: 4p/2u; III: 110p/111u	o0981017	ZATU432					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
RAD~a@g 12991	PC25 	 12991	 12991 (o)	 12991 (o)			
15x IV: 5p/1u; III: 3p/6u o0981018	ZATU433						
RAD~a@t	UNP	 F2468	 F2468				
CDLI:  RAD~a@t  2x III: 2u o0981019							
RAD~b 12992	PC25 	 12992	 12992	 12992			
16x IV: 14p; III: 2p o0981020	ZATU432						
RI	EDI	 F24E9	 F24E9				
o0981021							
RI~x	DEL	 F24EA	 F24EA				
o0982244							
RI <sub>g</sub> ~a 12993	PC25 	 12993	 12993				
8x IV: 1p; III: 4p/3u o0981022	ZATU434						
RI <sub>g</sub> ~b 12994	PC25 	 12994	 12994	 12994			
1x III: 1p o0981023	ZATU434	 F2163					 (a) F2163
RU 12995	PC25 	 F2164	 F2164	 F2164	 12995	 12995	
AKA: RU~a 345x IV: 16p/6u; III: 237p/82u o0981024	ZATU435	 12995	 12995	 12995			
RU@t	ZERO	 F2469	 F2469				
CDLI:  RU@t  o0981025							
SA~a 12996	PC25 	 12996	 12996	 12996			
25x IV: 1p; III: 16p/8u o0981026	ZATU436						
SA~c 12997	PC25 	 12997	 12997				
53x III: 40p/12u o0981027	ZATU436	 F2165					
SAG 12998	PC25 	 F2167	 F2167	 12998	 F2168	 12998	
417x IV: 31p/8u; III: 259p/109u o0981028	ZATU437	 12998	 12998	 12998			
SAG+UKKIN~b×1(N57)  12999	PC25 	 12999					 12999
AKA:  SAG×(UKKIN~b×1(N57))  1x III: 1p o0981029							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SAG×GEŠTU~a  1299A	PC25						
AKA:  SAG+GEŠTU~a  10x IV: 8p; III: 1u o0981030	ZATU438						
SAG×GEŠTU~b  1299B	PC25						
3x III: 3p o0981031	ZATU438						
SAG×GEŠTU~c  1x III: 1u o0981032	UNP						
SAG×LAM~c  o0981033	EDI						
SAG×MA  1299C	PC25						
19x III: 18p o0981034	ZATU439						
SAG×NAM <sub>2</sub>   1299D	PC25						
AKA:  SAG+NAM <sub>2</sub>   1x III: 1p o0981035							
SAG×SAR~a  o0981036	EDI						
SAG×1(N14)  1x III: 1u o0981037	UNP						
SAG@g 1299E	PC25						
9x III: 4p/5u o0981038							
SAG@n 1299F	PC25						
18x IV: 1p; III: 16p/1u o0981039	ZATU441						
SAGŠU 129A0	PC25						
31x III: 17p/14u o0981040	ZATU442						
SAL 129A1	PC25						
985x IV: 52p/19u; III: 573p/310u o0981041	ZATU443						
SAL.KUR~a  50x IV: 3p/1u; III: 33p/12u o0981042	PC25-sq						
SAL.LAM~b  2x III: 2u o0981043	UNP						
SAL.ME~a  AKA: LUKUR 1x III: 1p o0981044	PC25-sq						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SAL.ŠU₂  2x III: 2p	PC25-sq o0981045	F225E	F225E				F225E
SAL.ZATU751~a  CDLI: *SAL.ZATU751~a 1x III: 1p	PC25-sq o0981046	F225F				F225F	
SAL.ZATU751~b  CDLI: *SAL+ZATU751~b o0981047	ZERO	F2260				F2260	
SAL.ZATU751~c  CDLI: *SAL+ZATU751~c 1x III: 1p	PC25-sq o0981048	F2261					F2261
SAL×1(N58)  129A2	PC25 129A2 2x III: 1p/1u	129A2	129A2				
SANGA~a 129A3	PC25 129A3	1 F2169 2 F216A 129A3	1 F2169 2 F216A 129A3	F2169 (b) 129A3	F2169 F216A 129A3	129A3	129A3
716x IV: 71p/28u; III: 438p/155u	o0981050	ZATU444					
SANGA~b 129A4	PC25 129A4	1 F216B 129A4	1 F216B 129A4		F216B 129A4		
16x IV: 10p; III: 1p	o0981051	ZATU444					
SANGA~c 129A5	PC25 129A5	129A5	129A5				
2x IV: 1p/1u	o0981052	ZATU444					
SANGA~e 129A6	PC25 129A6	129A6 1 F2229					129A6 F2229
1x III: 1p	o0981053	ZATU444					
SAR~a 129A7	PC25 129A7	129A7 129A7	129A7	129A7	129A7	129A7	
78x IV: 2p/2u; III: 48p/26u	o0981054	ZATU445					
SAR~axŠE~a  129A8	PC25 129A8	129A8 129A8	129A8	129A8	129A8	129A8	
27x IV: 4p/1u; III: 17p/4u	o0981055	ZATU514					
SAR~b 129A9	PC25 129A9	129A9 129A9	129A9	129A9			
5x III: 5p	o0981056	ZATU445					
SAR~c 129AA	PC25 129AA	129AA 129AA	129AA	129AA			
4x III: 2p/2u	o0981057	ZATU445					
SAR~d 129AB	PC25 129AB	129AB					129AB
1x III: 1p	o0981058	ZATU445					

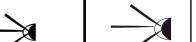
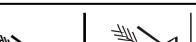
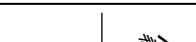
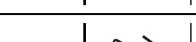
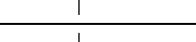
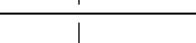
PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SI 129AC		PC25	1 F216C 129AC	F216C	F216C	F216C	F216C	
389x IV: 23p/9u; III: 204p/129u		ZATU447						
SI+AN  129AD		PC25	129AD					129AD
1x III: 1p								
SI×EN-a  129AE		PC25	129AE					129AE
1x III: 1p								
SI×GU₄  129AF		PC25	129AF	129AF				
1x III: 1p		ZATU448						
SI×KU~b1  129B0		PC25	129B0					129B0
17x III: 17p								
SI×SAL  129B1		PC25	129B1					129B1
1x III: 1p								
SI×ŠE₃  129B2		PC25	129B2	129B2	129B2			
4x III: 3p/1u		ZATU449						
SI×TUN₃~a  129B3		PC25	129B3					129B3
1x III: 1p								
SI×1(N58)  129B4		PC25	129B4					129B4
1x III: 1p								
SI₄~a 129B5		PC25	129B5	129B5	129B5			
75x IV: 20p/5u; III: 36p/11u		ZATU450						
SI₄~b 129B6		PC25	129B6	129B6	129B6			
1x IV: 1p		ZATU450						
SI₄~c 129B7		PC25	129B7	129B7	129B7			
1x IV: 1p		ZATU450						
SI₄~d 129B8		PC25	129B8	129B8	129B8	F216D		
4x IV: 1p; III: 3p		ZATU450	1 F216D	129B8	129B8	F216D		
SI₄~f 129B9		PC25	129B9	129B9	129B9	F216E	129B9	
73x III: 57p/16u		ZATU450	1 F216E	129B9	129B9	F216E	129B9	

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SIG 129BA	PC25 	129BA 	129BA 	129BA 	129BA 	129BA 	
92x IV: 6p; III: 50p/31u	o0981073 ZATU451						
SIG~b	UNP						
2x	o0981074 ZATU451	F2533 					
SIG@g	UNP						
1x III: 1u	o0981075	F246C 					
SIG <sub>2</sub> ~a1	PC25 	129BB 	129BB 				
AKA: SIG <sub>2</sub> ~a							
26x IV: 1u; III: 14p/10u	o0981076 ZATU452						
SIG <sub>2</sub> ~a2	PC25 	129BC 		F216F 	129BC 	F216F 	
23x IV: 3p/3u; III: 13p/2u	o0981077 ZATU452	1 F216F 					
SIG <sub>2</sub> ~a3	PC25 	129BD 		129BD 	129BD 		
21x IV: 6p/1u; III: 11p/3u	o0981078 ZATU452	1 F2170 	2 F2171 		129BD 	F2170 	
SIG <sub>2</sub> ~a4	PC25 	129BE 					
2x IV: 1p; III: 1p	o0981079 ZATU452	129BE 					
SIG <sub>2</sub> ~b	PC25 	129BF 		129BF 	129BF 	129BF 	
158x IV: 17p/16u; III: 64p/51u	o0981080 ZATU452						
SIG <sub>2</sub> ~b×1(N14)	UNP						
3x IV: 3u	o0981081 ZATU453	F246D 					
SIG <sub>2</sub> ~b&SIG <sub>2</sub> ~b	PC25 	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	o0981082						
SIG <sub>2</sub> ~c1	PC25 	129C1 		129C1 	129C1 	129C1 	
2x IV: 1p; III: 1p	o0981083 ZATU452						
SIG <sub>2</sub> ~c2	PC25 	129C2 		129C2 			
1x III: 1p	o0981084 ZATU452						
SIG <sub>2</sub> ~d1	PC25 	129C3 		129C3 			
10x III: 10p	o0981085 ZATU452						

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SIG <sub>2</sub> ~d2 129C4		PC25	 129C4	 F2172				
4× IV: 2p; III: 1p	00981086	ZATU452						
SIG <sub>2</sub> ~d3 129C5		PC25	 129C5	 F2172		 129C5		
2× IV: 1p	00981087	ZATU452						
SIG <sub>2</sub> ~d4 129C6		PC25	 129C6	 F2172		 129C6		
4× IV: 4p	00981088	ZATU452						
SIG <sub>2</sub> ~e 129C7		PC25	 129C7	 F2172		 129C7		
10× IV: 4p/2u; III: 1p/2u	00981089	ZATU452						
SIG <sub>4</sub> 129C8		PC25	 129C8	 F2172	 129C8			
1× IV: 1p	00981090	ZATU454						
SIG <sub>7</sub> 129C9		PC25	 129C9	 F2173	 129C9	 F2173		
102× IV: 12p/1u; III: 61p/23u	00981091	ZATU455						
SIKIL		EDI	 F225C	 F225C				
		00981092						
SILA <sub>3</sub> ~a 129CA		PC25	 129CA	 F2172	 129CA	 129CA		
52× IV: 5p/3u; III: 18p/24u	00981093	ZATU456						
SILA <sub>3</sub> ~a×A  129CB		PC25	 129CB	 F2173	 129CB			
1× III: 1p	00981094	ZATU457						
SILA <sub>3</sub> ~a×AMAR  129CC		PC25	 129CC	 F2173	 129CC			
1× IV: 1p	00981095							
SILA <sub>3</sub> ~a×DUG~a  129CD		PC25	 1 F2174	 F2174				
8× III: 4p/4u	00981096	ZATU458		 129CD	 129CD			
SILA <sub>3</sub> ~a×DUG~b		EDI	 F250E	 F250E				
		00981097						
SILA <sub>3</sub> ~a×GA~a  129CE		PC25	 129CE	 F2172	 F2172			
8× III: 3p/3u	00981098	ZATU459						
SILA <sub>3</sub> ~a×GARA <sub>2</sub> ~a  129CF		PC25	 129CF	 F2172	 129CF			
AKA:  SILA <sub>3</sub> ~a+GARA <sub>2</sub> ~a								
18× III: 9p/4u	00981099	ZATU461						

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SILA <sub>3</sub> ~a×1(N57)  129EA	PC25 	129EA 	129EA 				
2× III: 2p	o0981129 ZATU481						
SILA <sub>3</sub> ~a×1(N58)  1x IV: 1u	UNP 	F2471 					
1x IV: 1u	o0981130 ZATU481						
SILA <sub>3</sub> ~b 129EB	PC25 	129EB 	129EB 	129EB 			
5× III: 5p	o0981131 ZATU456						
SILA <sub>3</sub> ~b×DUG~a  129EC	EDI 	F250F 					
1x III: 1p	o0981132						
SILA <sub>3</sub> ~b×GUG <sub>2</sub>   129EC	PC25 	129EC 	129EC 				
1x III: 1p	o0981133						
SILA <sub>3</sub> ~b×NAGA~b  129ED	PC25 	129ED 	129ED 	129ED 			
1x IV: 1p	o0981134 ZATU471						
SILA <sub>3</sub> ~b×NI~a  129EE	PC25 	129EE 	129EE 				
1x III: 1p	o0981135 ZATU460						
SILA <sub>3</sub> ~b×NI~b  129EF	PC25 	129EF 	129EF 	129EF 			
1x III: 1p	o0981136 ZATU460						
SILA <sub>3</sub> ~c	UNP 	F2472 	129EF 				
1x III: 1u	o0981137 ZATU456						
SILA <sub>3</sub> ~c×ŠU  129F0	UNP 	F2473 					
1x IV: 1u	o0981138 ZATU476						
SILA <sub>3</sub> ~c×ZATU687  129F0	PC25 	129F0 	129F0 	129F0 			
1x III: 1p	o0981139 ZATU480						
SILA <sub>3</sub> ~d×NI~a  129F1	UNP 	F2474 					
2x III: 2u	o0981140 ZATU460						
SILA <sub>4</sub> ~a 129F1	PC25 	129F1 	129F1 				
17x III: 10p/7u	o0981141 ZATU482						
SILA <sub>4</sub> ~b 129F2	PC25 	129F2 	129F2 	129F2 			
31x IV: 6p/1u; III: 15p/8u	o0981142 ZATU482						
SILA <sub>4</sub> ~c 129F3	PC25 	129F3 	129F3 	129F3 			
83x IV: 7p/1u; III: 39p/35u	o0981143 ZATU482	1 F2175 					
SILA <sub>4</sub> ~d 129F4	PC25 	129F4 	129F4 				
1x III: 1p	o0981144 ZATU482						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SILANITA 129F5	PC25 o0981145 ZATU483	129F5 	129F5 				
AKA: SILANITA~a 26x III: 20p/6u							
SIMUG 129F6	PC25 o0981146 ZATU484	129F6  1 F2176  F2176  129F6  F2176 	F2176  129F6  F2176  F2176 				
13x IV: 1p; III: 9p/3u							
SIPA	PC25-sq 6x III: 6p o0981147	1 F2177  1 F2178  F2178  129F7  F2179 	1 F2178  F2178  129F7  F2179 				
SU~a 129F7	PC25 278x IV: 17p/5u; III: 154p/97u o0981148 ZATU485	1 F2179  129F7  F2179  129F7  F2179 	F2179  129F7  F2179  F2179 				
SU~ax1(N58)  129F8	PC25 2x III: 2p o0981149 ZATU486	129F8   129F8   	129F8   129F8  				
SU~b 129F9	PC25 3x IV: 3p o0981150 ZATU485	129F9   129F9   	129F9   129F9  				
SU~c 129FA	PC25 1x III: 1p o0981151 ZATU485	129FA   129FA   129FA 	129FA   129FA  129FA 				
SU <sub>3</sub> 129FB	PC25 6x III: 5p/1u o0981152 ZATU487	129FB   129FB   	129FB   129FB  				
SUG 129FC	PC25 11x IV: 1p; III: 5p/3u o0981153 ZATU488	129FC   129FC   	129FC   129FC  				
SUG <sub>5</sub> 129FD	PC25 AKA: SUG <sub>5</sub> ~a 89x IV: 1p/1u; III: 63p/22u o0981154 ZATU489	129FD   129FD   129FD  129FD  129FD 	129FD   129FD  129FD  129FD  129FD 				
AKA: SUG <sub>5</sub> ~a 89x IV: 1p/1u; III: 63p/22u							
SUH <sub>3</sub> 129FE	PC25 4x III: 3p/1u o0981155 ZATU490	129FE   129FE   	129FE   129FE  				
SUHUR 129FF	PC25 AKA: SUHUR~a 310x IV: 37p/11u; III: 205p/52u o0981156 ZATU491	129FF  1 F217A  2 F217B  3 F217C  129FF  129FF  F217C  F217C	129FF  1 F217A  2 F217B  3 F217C  129FF  129FF  F217C  F217C				
AKA: SUHUR~a 310x IV: 37p/11u; III: 205p/52u							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SUHUR@g 12A00	PC25 	PC25 	12A00 	12A00 			
4x III: 3p/1u	<a href="#">o0981157</a>						
SUHUR@n 12A01	PC25 	PC25 	12A01 				
CDLI:  SUHUR@n  5x III: 1p/4u	<a href="#">o0981158</a>						
SUHUR@t 12A02	PC25 	PC25 					
6x III: 6p	<a href="#">o0981159</a>						
SUKKAL 12A03	PC25 	PC25 	12A03 	12A03 	F217D 	12A03 	12A03 
155x IV: 17p/7u; III: 94p/34u	<a href="#">o0981160</a>	ZATU492	1 F217D 				
SUKUD 12A04	PC25 	PC25 	12A04 	12A04 	(a) 	12A04 	12A04 
14x IV: 6p; III: 6p/2u	<a href="#">o0981161</a>	ZATU493					
(SUKUD+SUKUD)~a  12A05	PC25 	PC25 	12A05 	12A05 			
5x IV: 1u; III: 4p	<a href="#">o0981162</a>	ZATU494					
(SUKUD+SUKUD)~b  12A06	PC25 	PC25 	12A06 	12A06 		12A06 	12A06 
13x IV: 1p; III: 11p/1u	<a href="#">o0981163</a>	ZATU494					
(SUKUD+SUKUD)~c  o0981164	EDI 	EDI 	F2510 	F2510 	(o) 	F2510 	
(SUKUD+SUKUD)~d  3x III: 3u	UNP <a href="#">o0981165</a>	ZATU494	F2475 				
SUKUD@g~a 12A07	PC25 	PC25 	12A07 	12A07 		F217E 	
1x IV: 1p	<a href="#">o0981166</a>	ZATU495	1 F217E 				
SUKUD@g~b 12A08	PC25 	PC25 	12A08 	12A08 			
2x IV: 1p; III: 1p	<a href="#">o0981167</a>	ZATU495	1 F217F 				
SUKUD@g~c 12A09	PC25 	PC25 	12A09 				
2x IV: 1p; III: 1u	<a href="#">o0981168</a>	ZATU495					
SUKUD@g~d 12A0A	PC25 	PC25 	12A0A 				
CDLI:  SUKUD@g~d  3x III: 1p/2u	<a href="#">o0981169</a>	ZATU495					
SUKUD@h	UNP						
1x III: 1u	<a href="#">o0981170</a>		F251C 				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SUM~a 12A0B	PC25	1 F2180 12A0B 2 F2181	1 F2180 12A0B 2 F2181	F2181		F2181	
29x IV: 1p; III: 21p/5u o0981171	ZATU496						
SUM~a@t	UNP						
CDLI:  SUM~a@t  1x III: 1u o0981172							
SUM~b 12A0C	PC25						
19x IV: 4p; III: 11p/4u o0981173	ZATU496	12A0C		12A0C		12A0C	
SUMAŠ 12A0D	PC25						
2x IV: 1p; III: 1p o0981174	ZATU497	12A0D		12A0D		12A0D	
SUR 12A0E	PC25						
9x IV: 1p; III: 6p/2u o0981175	ZATU498	12A0E		12A0E		12A0E	
SUSA	PC25-sq						
1x III: 1p o0981176	ZATU499	1 F224F	1 F224F	1 F224F			
ŠA 12A0F	PC25						
139x IV: 6p/2u; III: 97p/33u o0981177	ZATU500	1 F2182 2 F2183 3 F2184	1 F2182 2 F2183 3 F2184	12A0F	F2182 12A0F F2183	12A0F	12A0F
(ŠA×HI@g-a)-al  12A10	PC25						
15x IV: 1p; III: 6p/8u o0981178	ZATU501	12A10		12A10	12A10	12A10	
(ŠA×HI@g-a)-bl  12A11	PC25						
4x IV: 1p o0981179	ZATU501	12A11			12A11 (b)		
ŠA@g 12A12	PC25						
20x IV: 1p; III: 14p/5u o0981180	ZATU502	12A12		12A12		12A12	
ŠA <sub>3</sub> -a1 12A13	PC25						
112x IV: 2p; III: 58p/49u o0981181	ZATU503	12A13 1 F2185		F2185	12A13	F2185	12A13
ŠA <sub>3</sub> -a2 12A14	PC25						
AKA: ŠA <sub>3</sub> -b1 32x IV: 1p/1u; III: 19p/5u o0981182	ZATU503	12A14 1 F2186		F2186		F2186	12A14

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ŠA <sub>3</sub> -a2@g 12A15 1× III: 1p	PC25 o0981183		12A15				
ŠA <sub>3</sub> -b 12A16 3× IV: 2p; III: 1p	PC25 o0981184	ZATU503		12A16		(b1) 12A16	
ŠA <sub>3</sub> -c 12A17 9× IV: 6p/1u	PC25 o0981185	ZATU503		12A17		12A17	
ŠA <sub>3</sub> -d 12A18 1× IV: 1p	PC25 o0981186	ZATU503		12A18			
ŠAB~a 99× IV: 5p/1u; III: 63p/10u	PC25-sq o0981187	ZATU504		1 F2188 2 F2189			
ŠAB~b 9× III: 8p	PC25-sq o0981188	ZATU504		1 F218B 2 F218A			
ŠAGAN 12A19 73× IV: 5p/1u; III: 54p/10u	PC25 o0981189	ZATU506		1 F218C 2 F2189		12A19 F218C	12A19
ŠAGINA 12A1A 1× IV: 1p	PC25 o0981190	ZATU507		12A1A		12A1A	
ŠAH <sub>2</sub> -a 12A1B 27× IV: 4p; III: 19p/3u	PC25 o0981191	ZATU508		12A1B		12A1B	12A1B
ŠAH <sub>2</sub> -b 12A1C 1× III: 1p	PC25 o0981192	ZATU508		12A1C			
ŠAH <sub>2</sub> -c 12A1D 1× IV: 1p	PC25 o0981193	ZATU508		12A1D		12A1D	
ŠAKIR~a 12A1E 3× III: 3p	PC25 o0981194	ZATU509		12A1E		12A1E	
ŠAKIR~b 12A1F 8× III: 7p/1u	PC25 o0981195	ZATU509		12A1F		12A1F	

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ŠAKIR~c 12A20	PC25	12A20 1 F218D	12A20	F218D			12A20
47x III: 32p/15u      o0981196      ZATU509							
ŠAM₂ 12A21	PC25	12A21 1 F218E	12A21	12A21	F218E	12A21	
66x IV: 3p/2u; III: 52p/8u      o0981197      ZATU510							
ŠANDANA~a	PC25-sq	1 F223A	1 F223A				
2x III: 2p      o0981198							
ŠANDANA~b	UNP	1 F2239	1 F2239				
1x III: 1u      o0981199							
ŠE~a 12A22	PC25	12A22	12A22	12A22	12A22	12A22	
1204x IV: 87p/6u; III: 839p/232u      o0981200      ZATU511							
ŠE~a.GAR	PC25-sq	1 F2227 1 F2228					1 F2227 1 F2228
2x III: 2p      o0981201							
ŠE~a.KIN₂~c	PC25-sq	1 F218F 1 F2190	1 F218F 1 F2190	F2190			
5x III: 5p      o0981202      ZATU512							
ŠE~a.NAM₂	PC25-sq	1 F2191 1 F2192	1 F2191 1 F2192	F2191	1 F2192	1 F2191	
AKA:  ŠE~a×NAM₂   ŠE~a×NAM₂  109x IV: 10p; III: 56p/39u      o0981203      ZATU513							
ŠE~a&ŠE~a  12A23	PC25	12A23	12A23	12A23	12A23	12A23	
29x IV: 1p; III: 24p/4u      o0981204      ZATU515							
ŠE~a@t 12A24	PC25	12A24 1 F2193	12A24	12A24	12A24		
14x IV: 2p; III: 7p/5u      o0981205							
ŠE~b 12A25	PC25	12A25	12A25	12A25	12A25		
6x IV: 1p; III: 4p      o0981206      ZATU511							
ŠE~c 12A26	PC25	12A26	12A26				
2x IV: 1p/1u      o0981207      ZATU511							
ŠE₃ 12A27	PC25	1 F2194 1 F2194	1 F2194	1 F2194	12A27	12A27	
175x IV: 13p/10u; III: 98p/48u      o0981208      ZATU516							

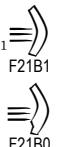
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ŠE <sub>3</sub> @t 12A28	PC25	1 F2195 12A28 2 F2196					
11× IV: 1p/1u; III: 7p/2u	o0981209	ZATU518					
ŠEG, 12A29	PC25	12A29 1 F2197					
31× IV: 8p; III: 20p/3u	o0981210	ZATU519					
ŠELU	PC25-sq	F2263					
32× IV: 25p; III: 6p/1u	o0981211	ZATU520					
ŠEN~a 12A2A	PC25	1 F2198 12A2A					
19× IV: 1u; III: 14p/4u	o0981212	ZATU521					
ŠEN~b 12A2B	PC25	12A2B 1 F2199					
52× IV: 1p; III: 42p/2u	o0981213	ZATU521					
ŠEN~c 12A2C	PC25	12A2C 1 F219A					
2× III: 1p	o0981214	ZATU521					
ŠEN~c@t 12A2D	PC25	12A2D					
28× III: 28p	o0981215						
ŠEN~d	DEL	1 F219B 2 F219C 3 F219D					
	o0981216	ZATU521					
ŠEN~e 12A2E	PC25	12A2E 1 F219B 2 F219C 3 F219D					
6× III: 4p	o0981218	ZATU521					
ŠEN~e×A  12A2F	PC25	12A2F					
AKA:  ŠEN~d×A  CDLI:  ŠEN~d×A  1× III: 1p	o0981217						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ŠENNUR~a 12A30	PC25						
10x III: 9p/1u o0981219 ZATU522							
ŠENNUR~b 12A31	PC25						
2x III: 1p/1u o0981220 ZATU522							
ŠEŠ~a 12A32	PC25						
25x IV: 11p/3u; III: 7p/4u o0981221 ZATU523							
ŠEŠ~b 12A33	PC25						
1x IV: 1p o0981222 ZATU523							
ŠIDIM 12A34	PC25						
36x IV: 6p/3u; III: 22p/5u o0981223 ZATU524							
ŠIDIM@t	UNP						
1x IV: 1u o0981224							
ŠIM~a 12A35	PC25						
56x IV: 2p/2u; III: 47p/3u o0981225 ZATU525							
ŠIM~b 12A36	PC25						
3x IV: 1p/1u; III: 1u o0981226 ZATU525							
ŠIR~a 12A37	PC25						
16x IV: 2p/4u; III: 9p/1u o0981227 ZATU526							
ŠIR~b 12A38	PC25						
7x IV: 2p; III: 1p/2u o0981228 ZATU526							
ŠITA~a1 12A39	PC25						
AKA: ŠITA~a 346x IV: 37p/10u; III: 209p/76u o0981229 ZATU527							
ŠITA~a1×KAK~a  12A3A	PC25						
2x III: 2p o0981230 ZATU529							
ŠITA~a1×ŠU  12A3B	PC25						
2x III: 2p o0981231 ZATU528							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ŠITA~a1×ŠU₂  1× III: 1u o0981232	UNP F2478						
ŠITA~a1×UDU~a  5× III: 5u o0981233	UNP F2479						
ŠITA~a1×1(N06)  3× III: 3u o0981234	UNP F247A						
ŠITA~a2 12A3C 1× III: 1p o0981235 ZATU527	PC25 						
ŠITA~a3 12A3D 29× IV: 9p; III: 14p/4u o0981236 ZATU527	PC25 						
ŠITA~b1 12A3E 26× IV: 4p/4u; III: 12p/2u o0981237 ZATU527	PC25 						
ŠITA~b2 12A3F 6× IV: 1p; III: 3p/2u o0981238 ZATU527	PC25 						
ŠITA~b2@g×HI@g~a  12A40 AKA:  ŠITA~b1×HI@g~a  CDLI:  ŠITA~b1×HI@g~a  1× IV: 1p o0981239	PC25 						
ŠITA~b3 12A41 6× IV: 3p; III: 3p o0981240 ZATU527	PC25 						
ŠITA~b3×NAM₂  12A42 1× IV: 1p o0981241	PC25 						
ŠITA~c o0981242	EDI F24EB						
ŠITA@g~a 12A43 24× IV: 4p/1u; III: 14p/4u o0981243 ZATU530	PC25  1 F21A4						
ŠITA@g~a×1(N04)  1× III: 1u o0981244 ZATU531	UNP F247B						
ŠITA@g~a×1(N06)  12A44 4× III: 3p/1u o0981245	PC25 						
ŠITA@g~b 12A45 4× III: 3p/1u o0981246 ZATU530	PC25 						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ŠU 12A46	PC25						
610x IV: 45p/8u; III: 365p/169u		ZATU532					
ŠU×(N58)  12A47	PC25						
1x III: 1p							
ŠU&ŠU  12A48	PC25						
22x IV: 1p; III: 15p/2u							
ŠU@g 12A49	PC25						
4x III: 3p		ZATU533					
ŠU@s	EDI						
ŠU <sub>2</sub> 12A4A	PC25						
385x IV: 61p/40u; III: 214p/46u		ZATU534	 1 F21A8 2 12A4A 3 F21A9 4 F21AA 5 F21AB 6 F21AC"/>	 F21AB	 F21AC	 F21AC	 F21AC
ŠU <sub>2</sub> .AN	UNP						
AKA:  ŠU <sub>2</sub> +AN   ŠU <sub>2</sub> ×AN  4x III: 2u							
ŠU <sub>2</sub> .E <sub>2</sub> ~a	PC25-sq						
9x III: 8p/1u		ZATU535					
ŠU <sub>2</sub> .E <sub>2</sub> ~b	PC25-sq						
13x III: 10p/3u		ZATU535					
ŠU <sub>2</sub> .EN~a	PC25-sq						
40x IV: 9p/3u; III: 22p/4u		ZATU536	 1 F21A6 2 F21A5 3 F21A7	 F21A7	 F21A5	 F21A5	 F21A5
ŠU <sub>2</sub> .EN~b	UNP						
2x IV: 2u		ZATU536					
ŠU <sub>2</sub> .GIŠ	ZERO						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
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 o0981261	PC25-sq						
ŠU₂.1(N02)  2x IV: 1u; III: 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: 35p/7u; III: 200p/98u o0981267 ZATU539	PC25						
ŠUM 12A4D 35x IV: 14p; III: 17p/4u o0981268 ZATU541	PC25						
ŠUR₂×1(N58)  12A4E 4x III: 4p o0981269	PC25						
ŠUR₂~a 12A4F 14x III: 8p/6u o0981270 ZATU543	PC25						
ŠUR₂~b 12A50 13x III: 7p/6u o0981271 ZATU543	PC25						
ŠUR₂~c 2x o0981272 ZATU543	UNP						
ŠURUPPAK~a 48x IV: 3u; III: 35p/10u o0981273 ZATU544	PC25-sq						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ŠURUPPAK~b 10x IV: 1u; III: 6p/2u o0981274 ZATU544	PC25-sq	 F21B1  F21B0					
ŠURUPPAK~c o0981275	EDI	 F2262					
TA~a 12A51 5x IV: 1u; III: 4p o0981276 ZATU545	PC25	 12A51					
TA~b 12A52 1x III: 1p o0981277 ZATU545	PC25	 12A52					
TA~c 12A53 23x IV: 2p/2u; III: 15p/3u o0981278 ZATU545	PC25	 12A53		 12A53	 12A53	 12A53	
TA~d 12A54 2x III: 1p/1u o0981279 ZATU545	PC25	 12A54					
TA~d×MAŠ  1x III: 1u o0981280	UNP	 F247C					
TA~e 12A55 1x III: 1p o0981281 ZATU545	PC25	 12A55					
TA~f o0981282	EDI	 F24ED					
TAG~a1 12A56 25x IV: 16p; III: 7p/2u o0981283 ZATU547	PC25	 12A56		 12A56			 12A56
TAG~a1@t 12A57 1x IV: 1p o0981284	PC25	 12A57		 12A57			
TAG~a2 12A58 9x III: 7p/2u o0981285 ZATU547	PC25	 12A58		 12A58	 12A58	(a1)	
TAG~a3 12A59 2x III: 1p o0981286 ZATU547	PC25	 12A59					
TAG~a4 12A5A 2x IV: 1p; III: 1p o0981287 ZATU547	PC25	 12A5A		 12A5A			
TAG~b 12A5B 14x IV: 2p/1u; III: 11p o0981288 ZATU547	PC25	 12A5B		 F21B2	 F21B2		
TAG~c 12A5C 1x III: 1p o0981289 ZATU547	PC25	 12A5C					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
TAG~d 12A5D	PC25						
3x III: 2p/1u o0981290	ZATU547						
TAK <sub>4</sub> ~a 12A5E	PC25						
188x IV: 6p/3u; III: 118p/58u o0981291	ZATU548						
TAK <sub>4</sub> ~a@n 12A5F	PC25						
1x III: 1p o0981292							
TAK <sub>4</sub> ~c 12A60	PC25						
3x III: 2p/1u o0981293	ZATU548						
TAR~a 12A61	PC25						
100x IV: 5p; III: 79p/16u o0981294	ZATU549						
TAR~d	EDI						
TE 12A62	PC25						
AKA: TE~a 350x IV: 58p/5u; III: 187p/86u o0981296	ZATU550						
TI 12A63	PC25						
AKA: TI~a 103x IV: 8p/8u; III: 48p/34u o0981297	ZATU551						
1 F21B4							
TI@g 12A64	PC25						
1x III: 1p o0981298							
TI@r 12A65	PC25						
2x III: 2p o0981299							
TI@t 12A66	PC25						
17x IV: 1p; III: 12p/4u o0981300							
TIDNUM	PC25-sq						
1x III: 1p o0981301	ZATU552						
TILLA <sub>2</sub> 12A67	PC25						
6x IV: 1p; III: 4p/1u o0981302	ZATU553						
TU~a 12A68	PC25						
27x IV: 3p; III: 13p/7u o0981303	ZATU554						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
TU~b 12A69	PC25						
29x IV: 1u; III: 26p/2u		ZATU554					
TU~c 12A6A	PC25						
1x IV: 1p		ZATU554					
TUG <sub>2</sub> ~a 12A6B	PC25						
365x IV: 30p/26u; III: 171p/124u		ZATU555	 1 F21B5 2 F21B6				
TUG <sub>2</sub> ~a.BAD&BAD	PC25-sq						
CDLI:  TUG <sub>2</sub> ~a.(BAD&BAD)							
35x IV: 1p/2u; III: 21p/10u		ZATU556	 1 F21B8				
ZATU558							
TUG <sub>2</sub> ~a@g 12A6C	PC25		 1 F21B9 2 F21B6				
19x IV: 2u; III: 17p		ZATU557	 12A6C				
TUG <sub>2</sub> ~b 12A6D	PC25						
2x IV: 1p; III: 1p		ZATU555					
TUG <sub>2</sub> ~c 12A6E	PC25						
1x		ZATU555					
TUG <sub>2</sub> ~d	UNP						
1x IV: 1u		ZATU555	 F247D				
TUM~a 12A6F	PC25						
34x IV: 9p/2u; III: 13p/10u		ZATU560	 12A6F				
TUM~a@g 12A70	PC25						
2x IV: 1p; III: 1u							
TUM~b 12A71	PC25						
6x III: 2p/2u		ZATU560					
TUM~c 12A72	PC25		 1 F21BA				
13x IV: 1p; III: 12p		ZATU560	 12A72			 F21BA	
TUM~d 12A73	PC25						
3x IV: 1p; III: 2p		ZATU560					
TUN <sub>3</sub> ~a 12A74	PC25						
108x IV: 35p/2u; III: 51p/19u		ZATU561	 12A74				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
TUN <sub>3</sub> ~b 12A75 3x III: 3p o0981318 ZATU561	PC25	12A75	12A75	12A75			
TUN <sub>3</sub> ~c 12A76 4x IV: 1p; III: 2p/1u o0981319 ZATU561	PC25	12A76	12A76				
TUR 12A77 381x IV: 27p/6u; III: 226p/101u o0981320 ZATU562	PC25	12A77 F21BC F21BD F21BE	12A77	12A77 F21BC F21BD F21BE	12A77	12A77	
TUR×X  o0981321	EDI	F2511	F2511				
TUR@g 12A78 9x IV: 1p; III: 6p/2u o0981322	PC25	12A78 1 F21BB	12A78	12A78		F21BB	
TUR <sub>3</sub> ~a 12A79 171x IV: 18p/4u; III: 112p/31u o0981323 ZATU563	PC25	12A79	12A79	12A79	12A79	12A79	
TUR <sub>3</sub> ~a.5(N57)  1x III: 1p o0981324	PC25-sq	12A79_12BF0					
TUR <sub>3</sub> ~a@n CDLI:  TUR <sub>3</sub> ~a@n  1x o0981325	UNP	F247E	F247E				
TUR <sub>3</sub> ~b 12A7A 9x IV: 1p/2u; III: 6p o0981326 ZATU563	PC25	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 o0981328 ZATU563	PC25	12A7B	12A7B				
U <sub>2</sub> ~a 12A7C 145x IV: 10p/1u; III: 97p/35u o0981329 ZATU565	PC25	12A7C	12A7C	12A7C		12A7C	
U <sub>2</sub> ~b 12A7D 170x IV: 15p/2u; III: 88p/59u o0981330 ZATU565	PC25	1 F21BF 12A7D 2 F21CO	12A7D	12A7D F21BF 12A7D F21CO	12A7D	F21BF	

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
U <sub>2</sub> ~c 12A7E		PC25	 12A7E					
1× IV: 1p o0981331	ZATU565							
U <sub>4</sub> 12A7F		PC25	 12A7F		 12A7F	 12A7F	 12A7F	
602× IV: 77p/13u; III: 389p/112u o0981332	ZATU566							
U <sub>4</sub> .ŠU <sub>2</sub> ] 11× IV: 2p; III: 7p/2u o0981333	ZATU568	PC25-sq	 F2274	 F2274	 F2274			
U <sub>4.1(N08)]</sub> 48× III: 32p/16u o0981334		PC25-sq	 F2275	 F2275			 F2275	
U <sub>4.2(N08)]</sub> 12× IV: 1p; III: 11p o0981335		PC25-sq	 F2276	 F2276			 F2276	
U <sub>4.3(N08)]</sub> 10× III: 8p/2u o0981336		PC25-sq	 F2277	 F2277			 F2277	
U <sub>4.4(N08)]</sub> 2× III: 2p o0981337		PC25-sq	 F2278	 F2278			 F2278	
U <sub>4.5(N08)]</sub> 6× III: 5p/1u o0981338		PC25-sq	 F2279	 F2279			 F2279	
U <sub>4.6(N08)]</sub> 4× III: 4p o0981339		PC25-sq	 F227A	 F227A				
U <sub>4.7(N08)]</sub> 2× III: 1p/1u o0981340		PC25-sq	 F227B	 F227B				
U <sub>4.8(N08)]</sub> 1× III: 1p o0981341		PC25-sq	 F227C	 F227C				
U <sub>4.1(N14)]</sub> 1× III: 1p o0981342		PC25-sq	 F227D	 F227D				
U <sub>4.1(N14).1(N08)]</sub> AKA:  (U <sub>4</sub> .+1(N14)).1(N08)  1× III: 1p o0981343		PC25-sq	 12A7F_12562_12559					
U <sub>4.1(N14).3(N08)]</sub> CDLI:  U <sub>4</sub> .(1(N14).3(N08))  2× III: 2p o0981344		PC25-sq	 F227E	 F227E				
U <sub>4.1(N14).4(N08)]</sub> CDLI:  U <sub>4</sub> .(1(N14).4(N08))  1× III: 1p o0981345		PC25-sq	 F227F	 F227F			 F227F	
U <sub>4.1(N14).5(N08)]</sub> CDLI:  U <sub>4</sub> .(1(N14).5(N08))  4× III: 2p/2u o0981346		PC25-sq	 F2280	 F2280			 F2280	
U <sub>4.1(N14).8(N08)]</sub> CDLI:  U <sub>4</sub> .(1(N14).8(N08))  1× III: 1p o0981347		PC25-sq	 F2281	 F2281				
U <sub>4.2(N14)]</sub> 2× III: 2p o0981348		PC25-sq	 F2282	 F2282				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
U <sub>4</sub> .1(N24)	PC25-sq						
3x III: 3p	<a href="#">o0981349</a>						F2283
U <sub>4</sub> .xX	PC25-bk						
2x III: 1p/1u	<a href="#">o0981350</a>		F247F				
U <sub>4</sub> .x(X+2(N01))	UNP						
1x III: 1u	<a href="#">o0981351</a>		F2480				
U <sub>4</sub> .x1(N01)	PC25						
12A80			12A80			12A80	
38x IV: 1p; III: 30p/7u	<a href="#">o0981352</a>	ZATU569					
U <sub>4</sub> .x1(N01).5(N08)	PC25-sq						
2x III: 1p/1u	<a href="#">o0981353</a>		F2284			F2284	
U <sub>4</sub> .x(1(N01).1(N24))	PC25						
12A81			12A81				12A81
AKA:  U <sub>4</sub> .x1(N01)+1(N24)							
2x III: 2p	<a href="#">o0981354</a>						
U <sub>4</sub> .x2(N01)	PC25-bk						
14x III: 13p/1u	<a href="#">o0981355</a>		F2481			F2481	F2481
U <sub>4</sub> .x2(N01).X	PC25-sq						
1x III: 1p	<a href="#">o0981356</a>		F2482				
U <sub>4</sub> .x2(N01).2(N14)	PC25-sq						
1x III: 1p	<a href="#">o0981357</a>		F2285				
U <sub>4</sub> .x2(N01).2(N14).1(N08)	PC25-sq						
CDLI:  U <sub>4</sub> .x2(N01).(2(N14).1(N08))			F2286			F2286	
1x III: 1p	<a href="#">o0981358</a>						
U <sub>4</sub> .x3(N01)	PC25						
12A82			12A82			12A82	
5x III: 3p/2u	<a href="#">o0981359</a>						
U <sub>4</sub> .x3(N01).3(N08)	UNP						
1x III: 1u	<a href="#">o0981360</a>		F2287				
U <sub>4</sub> .x4(N01)	PC25						
12A83			12A83				
7x III: 6p/1u	<a href="#">o0981361</a>						
U <sub>4</sub> .x4(N01).2(N14)	UNP						
1x III: 1u	<a href="#">o0981362</a>		F2288				
U <sub>4</sub> .x5(N01)	PC25						
12A84			12A84				
3x III: 2p/1u	<a href="#">o0981363</a>						
U <sub>4</sub> .x5(N01).1(N14)	PC25-sq						
1x III: 1p	<a href="#">o0981364</a>		F2289				
U <sub>4</sub> .x6(N01)	PC25						
12A85			12A85			12A85	
3x III: 1p/2u	<a href="#">o0981365</a>						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
U <sub>4</sub> *8(N01)  12A86	PC25 	12A86 			12A86 		
2× III: 2p o0981366							
U <sub>4</sub> *8(N01).X  1× III: 1p o0981367	PC25-sq 	F2483 					
U <sub>4</sub> *N(N01)  CDLI:  U <sub>4</sub> *X(X(N01))  1× III: 1u o0981368	UNP 	F2484 					
U <sub>4</sub> *1(N01@f)  CDLI:  U <sub>4</sub> *1(N01)F  o0981369	EDI 	F2513 					
U <sub>4</sub> *1(N14)  12A87	PC25 	12A87 			12A87 		
5× III: 1p/4u o0981370							
U <sub>4</sub> *1(N14).1(N01))  12A88	PC25 	12A88 					12A88 
1× III: 1p o0981371							
U <sub>4</sub> *1(N14).2(N01))  12A89	PC25 	12A89 			12A89 		
10× III: 10p o0981372							
U <sub>4</sub> *1(N14).3(N01))  1× III: 1u o0981373	UNP 	F253D 					
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 o0981374	UNP 	F253D_12562_1255C 					
U <sub>4</sub> *1(N14).4(N01))  12A8A	PC25 	12A8A 					
1× III: 1p o0981375							
U <sub>4</sub> *1(N14).8(N01))  12A8B	PC25 	12A8B 			12A8B 		
2× III: 2p o0981376							
U <sub>4</sub> *2(N14))  o0981377	ZERO 	F2485 			F2485 		
U <sub>4</sub> *2(N14).4(N01))  12A8C	PC25 	12A8C 					12A8C 
1× III: 1p o0981378							
U <sub>4</sub> *3(N14).2(N01))  12A8D	PC25 	12A8D 					12A8D 
1× III: 1p o0981379							
U <sub>4</sub> *3(N14).7(N01))  12A8E	PC25 	12A8E 					
1× III: 1p o0981380							
U <sub>4</sub> *1(N57))  12A8F	PC25 	12A8F 			12A8F 	12A8F 	12A8F 
159× III: 129p/23u o0981381							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
U <sub>4</sub> ×2(N57)  12A90  57× IV: 1p; III: 43p/9u	PC25  o0981382	12A90	12A90	12A90	12A90	12A90	
U <sub>4</sub> ×3(N57)  12A91  43× IV: 1u; III: 30p/10u	PC25  o0981383	12A91	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: 31p; III: 89p/62u	PC25  o0981392 ZATU571	12A9A  3 F21C3	1 F21C1 12A9A 2 F21C2 3 F21C3	12A9A F21C2 F21C3	F21C1 12A9A F21C2 F21C3	F21C2 12A9A	
U <sub>8</sub> ×TAR~b  12A9B  CDLI:  (U <sub>8</sub> ×TAR)~b  2× III: 1p/1u	PC25  o0981393	12A9B	12A9B				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
UB 12A9C	PC25						
186x IV: 17p/5u; III: 137p/19u		12A9C		12A9C		12A9C	
		ZATU572					
UBI~a 12A9D	PC25						
2x IV: 2p		12A9D			12A9D		
		ZATU573					
UBI~c 12A9E	PC25						
8x III: 8p		12A9E					
		ZATU573	1 F21C4				
UBI~d 12A9F	PC25						
2x III: 2p		12A9F					
		ZATU573					12A9F
UD <sub>5</sub> ~a 12AA0	PC25						
224x IV: 45p/1u; III: 88p/83u		1 F21C5					
		ZATU574	12AA0		12AA0		12AA0
			2 F21C6				
UD <sub>5</sub> ~a@g 12AA1	PC25						
1x III: 1p		12AA1					
		ZATU574					
UD <sub>5</sub> ~b 12AA2	PC25						
2x IV: 2p		12AA2					
		ZATU574					
UD <sub>5</sub> ~c 12AA3	PC25						
2x IV: 2p		12AA3					
		ZATU574					
UDU~a 12AA4	PC25						
AKA: UDU 586x IV: 75p/17u; III: 329p/148u		12AA4					
		ZATU575					
UDU~a×TAR~a  12AA5	PC25						
CDLI:  (UDU~a×TAR)~a  8x IV: 2p; III: 2p/4u		12AA5					
		ZATU576					
UDU~a×TAR~b  12AA6	PC25						
CDLI:  (UDU~a×TAR)~b  19x III: 10p/9u		12AA6					
		ZATU576					
UDU~b	UNP						
1x IV: 1u		F2486					
		ZATU575					
UDU~c 12AA7	PC25						
6x IV: 1u; III: 4p/1u		12AA7					
		ZATU575					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
UDUNITA~a 12AA8	⊕↔	PC25					
198x IV: 33p; III: 90p/73u	<a href="#">o0981407</a>	ZATU578					
UDUNITA~b 12AA9	⊕↔	PC25					
1x IV: 1p	<a href="#">o0981408</a>	ZATU578					
UDUNITA~c 12AAA	⊕↔	PC25					
14x IV: 7p; III: 6p	<a href="#">o0981409</a>	ZATU578					
UH		UNP					
1x III: 1u	<a href="#">o0981410</a>						
UH <sub>2</sub> ~a 12AAB	Ƨ	PC25					
13x IV: 2p; III: 7p/4u	<a href="#">o0981411</a>	ZATU579					
UH <sub>2</sub> ~a@t 12AAC	Ƨ	PC25					
2x IV: 1p; III: 1p	<a href="#">o0981412</a>						
UH <sub>2</sub> ~b 12AAD	Ƨ	PC25					
4x IV: 1p; III: 3p	<a href="#">o0981413</a>	ZATU579					
UKKIN~a 12AAE	☒	PC25	1 F21C7	12AAE	1 F21C7	12AAE	12AAE
155x IV: 33p/9u; III: 84p/23u	<a href="#">o0981414</a>	ZATU580				12AAE	12AAE
UKKIN~b 12AAF	☒	PC25	1 F21C8	12AAF	2 F21C9		
13x III: 5p/2u	<a href="#">o0981415</a>	ZATU580				2 F21C9	
UKKIN~b×DIN  12AB0	☒	PC25					
6x III: 5p/1u	<a href="#">o0981416</a>						
UKKIN~b×(DIN.1(N01))  12AB1	☒	PC25					
1x III: 1p	<a href="#">o0981417</a>						
UKKIN~b×DUG~a  o0981418		EDI					
UKKIN~b×HI@g~a  12AB2	☒	PC25					
1x III: 1p	<a href="#">o0981419</a>						
UKKIN~b×NI~a  12AB3	☒	PC25					
2x III: 1p	<a href="#">o0981420</a>						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
UKKIN~b×x  1× III: 1p	PC25-bk o0981421	 F2488	 12AB4				
UKKIN~b×2(N01)  12AB4	PC25 o0981422		 12AB4				
UKKIN~b×3(N01)  12AB5	PC25 o0981423		 12AB5				
UKKIN~b×5(N01)  12AB6	PC25 o0981424		 12AB6				
UKKIN~c 12AB7	PC25 o0981425		 12AB7	 12AB7			
1× IV: 1p	ZATU580 o0981426		 F2535				
UMBIN~a 12AB8	PC25 o0981427		 12AB8	 12AB8	 12AB8		 12AB8
40× IV: 27p/3u; III: 7p/3u	ZATU581 o0981427						
UMBIN~b1 12AB9	PC25 o0981428		 12AB9	 12AB9			
2× IV: 2p	ZATU581 o0981428						
UMBIN~b2 12ABA	PC25 o0981429		 12ABA	 12ABA	 12ABA		
1× IV: 1p	ZATU581 o0981430						
UMBIN~c 12ABB	PC25 o0981430		 12ABB	 12ABB	 12ABB		
1× IV: 1p	ZATU581 o0981430						
UMUN <sub>2</sub> 12ABC	PC25 o0981431		 1 F21CA	 12ABC	 12ABC	 12ABC	 12ABC
160× IV: 17p/2u; III: 95p/43u	ZATU582 o0981431		 12ABC				
UNUG~a 12ABD	PC25 o0981432		 1 F21CB	 12ABD	 12ABD	 12ABD	 12ABD
266× IV: 69p/8u; III: 124p/56u	ZATU583 o0981432		 12ABD	 12ABD	 12ABD	 12ABD	 12ABD
UNUG~a×A@t  12ABE	PC25 o0981433		 12ABE	 12ABE	 12ABE		
1× IV: 1p	ZATU584 o0981433						
UNUG~a@s 12ABF	PC25 o0981434		 12ABF	 12ABF	 12ABF		
2× IV: 1p; III: 1u	ZATU585 o0981434						
UNUG~b 12AC0	PC25 o0981435		 12AC0	 12AC0			
6× IV: 1p; III: 5p	ZATU583 o0981435						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
UNUG~c 12AC1 3x IV: 3p o0981436 ZATU583	PC25	12AC1	12AC1				
UR~a 12AC2 AKA: UR 75x IV: 2p/4u; III: 41p/26u o0981437 ZATU586	PC25	12AC2	12AC2	12AC2	12AC2	12AC2	12AC2
UR~a×KAR <sub>2</sub> ~b  UNP AKA:  UR~a×KAR <sub>2</sub>   CDLI:  UR~a×KAR <sub>2</sub>   1x III: 1u o0981438		F2489	F2489				
UR~a@g 12AC3 2x IV: 2p o0981439 ZATU587	PC25	12AC3	12AC3		12AC3		
UR~b 12AC4 8x IV: 1u; III: 7p o0981440 ZATU586	PC25	12AC4	12AC4				
UR~c 12AC5 3x IV: 1p/1u; III: 1p o0981441 ZATU586	PC25	12AC5	12AC5			12AC5	
UR <sub>2</sub> 12AC6 107x IV: 6p/2u; III: 69p/24u o0981442 ZATU588	PC25	12AC6	12AC6	12AC6	12AC6	12AC6	12AC6
UR <sub>2</sub> ×TAR~c  12AC7 AKA:  UR <sub>2</sub> ×TAR  CDLI:  UR <sub>2</sub> ×TAR  4x IV: 2p; III: 2p o0981443 ZATU590	PC25	12AC7	12AC7	12AC7 (o)			
UR <sub>2</sub> ×1(N57)  12AC8 15x IV: 2p/1u; III: 6p/2u o0981444 ZATU589	PC25	12AC8	12AC8	12AC8			
UR <sub>3</sub> ~a1 12AC9 4x IV: 4p o0981445 ZATU591	PC25	12AC9 1 F21CC	12AC9 1 F21CC		12AC9		
UR <sub>3</sub> ~a2 12ACA 6x III: 6p o0981446 ZATU591	PC25	12ACA	12ACA	12ACA			
UR <sub>3</sub> ~a3 12ACB 8x III: 7p/1u o0981447 ZATU591	PC25	12ACB	12ACB				
UR <sub>3</sub> ~b1 12ACC 12x IV: 5p/2u; III: 4p o0981448 ZATU591	PC25	12ACC	12ACC	12ACC			
UR <sub>3</sub> ~b1×MAŠ  UNP 1x IV: 1u o0981449		F248A	F248A				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
UR <sub>3</sub> -b2 12ACD	PC25 12ACD	12ACD F21CD		12ACD			
11x IV: 2p/1u; III: 5p/3u o0981450	ZATU591	1 F21CD					
UR <sub>3</sub> -d2	UNP	F2536					
1x o0981451	ZATU591						
UR <sub>4</sub> -a 12ACE	PC25 12ACE	12ACE		12ACE			
13x IV: 1p; III: 9p/3u o0981452	ZATU592						
UR <sub>4</sub> -b 12ACF	PC25 12ACF	12ACF		12ACF			12ACF
18x III: 15p/3u o0981453	ZATU592						
UR <sub>4</sub> -c 12AD0	PC25 12AD0	12AD0					
3x IV: 2p; III: 1p o0981454	ZATU592						
UR <sub>5</sub> -a 12AD1	PC25 12AD1	12AD1			12AD1	12AD1	
74x IV: 1u; III: 56p/16u o0981455	ZATU593						
UR <sub>5</sub> -b 12AD2	PC25 12AD2	12AD2		12AD2			
4x III: 4p o0981456	ZATU593						
URI 12AD3	PC25 12AD3	12AD3		12AD3	12AD3	12AD3	12AD3
29x IV: 1p/1u; III: 18p/7u o0981457	ZATU594						
URI <sub>2</sub>	EDI o0981458	F228D	F228D				
URI <sub>3</sub> -a 12AD4	PC25 12AD4	12AD4 1 F21CE		F21CE		F21CE	F21CE
110x IV: 7p; III: 53p/45u o0981459	ZATU595						
URI <sub>3</sub> -a+IB-a	EDI o0981460	F228C	F228C				
URI <sub>3</sub> -b	PC25-sq	F228B	F228B				
1x IV: 1p o0981461	ZATU595						
URI <sub>5</sub> 12AD5	PC25 12AD5	12AD5		12AD5			
8x III: 4p/4u o0981462	ZATU596						
URU-a1 12AD6	PC25 12AD6	12AD6		12AD6	12AD6	12AD6	12AD6
169x IV: 8p/3u; III: 107p/46u o0981463	ZATU597						
URU-a1xA	EDI o0981464	F2515	F2515				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
URU~a1×AMAR  12AD7  2× IV: 2p	PC25 o0981465 ZATU598	 12AD7			 12AD7		
URU~a1×GU₄  1× III: 1u	UNP o0981466	 F248B					
URU~a1×HI@g~a  12AD8  1× III: 1p	PC25 o0981467	 12AD8				 12AD8	
URU~a1×KI  12AD9  2× III: 2p	PC25 o0981468	 12AD9					 12AD9
URU~a1×NIMGIR  12ADA  1× IV: 1p	PC25 o0981469 ZATU600	 12ADA		 12ADA			
URU~a1×U₄  12ADB  1× III: 1p	PC25 o0981470	 12ADB				 12ADB	
URU~a1×X  2× IV: 1p; III: 1p	PC25-bk o0981471	 F248C			 F248C		
URU~a1×1(N57)  1× IV: 1p	PC25-sq o0981472 ZATU601	 F22AE					
URU~a1×2(N57)  1× IV: 1u	UNP o0981473 ZATU601	 F22AF					
URU~a1×3(N57)  12ADC  5× III: 5p	PC25 o0981474	 12ADC					 12ADC
URU~a1@n CDLI:  URU~a1@n  1× III: 1u	UNP o0981475	 F248D					
URU~a2 12ADD  3× IV: 3p	PC25 o0981476 ZATU597	 12ADD			 12ADD		
URU~a2×1(N58)  12ADE  AKA:  URU~a1+1(N58)  3× IV: 2p; III: 1p	PC25 o0981477 ZATU601	 12ADE			 12ADE		
URU~a3×KALAM~a  12ADF  1×	PC25 o0981478 ZATU599	 12ADF			 12ADF		
URU~b1 12AE0  2× IV: 2p	PC25 o0981479 ZATU597	 12AE0			 12AE0		
URU~b2 12AE1  4× IV: 3p	PC25 o0981480 ZATU597	 12AE1			 12AE1		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
URU~c 12AE2	PC25						
2× IV: 2p o0981481	ZATU597						
URUDU~a 12AE3	PC25						
40× IV: 6p/1u; III: 19p/11u o0981482	ZATU602		1 F21CF 2 F21D0 12AE3	F21D0 F21D0 12AE3	F21D0 12AE3		
URUDU~c 12AE4	PC25						
3× IV: 1p; III: 1p/1u o0981483	ZATU602		12AE4		12AE4		
URUDU~d 12AE5	PC25						
1× IV: 1p o0981484	ZATU602		12AE5		12AE5		
URUDU@g~a 12AE6	PC25						
5× IV: 3p/2u o0981485	ZATU603		12AE6		12AE6		
URUDU@g~b	UNP						
1× IV: 1u o0981486	ZATU603		F248E				
URUDU@g~c 12AE7	PC25						
3× III: 3p o0981487	ZATU603		12AE7		12AE7		
URUDU@g~d 12AE8	PC25						
5× III: 2p/3u o0981488	ZATU603		12AE8				
UŠ~a 12AE9	PC25						
87× IV: 27p/3u; III: 32p/17u o0981489	ZATU604		12AE9 F21D1	12AE9	12AE9		
UŠ~a&UŠ~a  12AEA	PC25						
9× IV: 9p o0981490			12AEA		12AEA		
UŠ~b 12AEB	PC25						
9× IV: 1p/1u; III: 3p/4u o0981491	ZATU604		12AEB F21D2	12AEB F21D2	12AEB F21D2		
UŠ~b×TAR~c  12AEC	PC25						
2× IV: 2p o0981492	ZATU605		1 F21D3 12AEC				
UŠ~b×TAR~d  o0981493	EDI						
UŠ~b&UŠ~b  12AED	PC25						
2× IV: 2p o0981494			12AED	12AED			
UŠUMGAL	PC25-sq						
5× III: 3p/2u o0981495	ZATU607		F2238	F2238	F2238		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
UŠUR <sub>3~a</sub> o0981496	EDI F24F0		(b1) F24F0				
UŠUR <sub>3~b1</sub> 12AEE 1× III: 1p o0981497	PC25 ZATU608		(b2) 12AEE				
UŠUR <sub>3~b2</sub> 12AEF 1× III: 1p o0981498	PC25 ZATU608						
UTUA~a 12AF0 123× IV: 38p/3u; III: 32p/46u o0981499	PC25 ZATU609		12AF0		12AF0	12AF0	12AF0
UTUA~a@t 12AF1 1× IV: 1p o0981500	PC25		12AF1			12AF1	
UTUA~b 12AF2 14× IV: 4p; III: 8p/2u o0981501	PC25 ZATU609		1 F21D4 12AF2	F21D4	12AF2		
UTUL~a 12AF3 38× IV: 3p/1u; III: 27p/7u o0981502	PC25 ZATU610		12AF3	12AF3	12AF3	12AF3	12AF3
UTUL~b 12AF4 1× IV: 1p o0981503	PC25 ZATU610		12AF4	12AF4			
UTUL~c 12AF5 1× IV: 1p o0981504	PC25 ZATU610		12AF5		12AF5		
UTUL~d 12AF6 1× IV: 1p o0981505	PC25 ZATU610		12AF6		12AF6		
UZ~a 6× III: 1p/2u o0981506	PC25-sq ZATU611		F21D5 1 F21D6	F21D5	F21D6		
UZU 12AF7 2× III: 1p/1u o0981507	PC25		12AF7				12AF7
X <sub>2</sub> AKA:  2(N57).DU <sub>6</sub> ~a@n  1× III: 1p o0981508	PC25-sq		12BED_F253A				
ZĀ~v 12AF8 9× III: 9p o0981509	PC25 ZATU612		12AF8	12AF8			

CDLI: ZĀ~x

9× III: 9p

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZABALAM~a AKA: ZABALA~a 48x III: 31p/17u o0981510	PC25-sq						
	ZATU613		F224E				
ZABALAM~b 1x III: 1u o0981511	UNP						
	ZATU613		F2250				
ZADIM o0981512	EDI						
			F24F1				
ZAG~a 12AF9 75x IV: 2p/1u; III: 56p/15u o0981513	PC25						
	ZATU615		1 F21D7 12AF9		F21D7	F21D7	F21D7
ZAG~b 12AFA 2x IV: 2p o0981514	PC25						
	ZATU615		12AFA			12AFA	
ZAG~c 12AFB 7x IV: 4p; III: 3p o0981515	PC25						
	ZATU615		12AFB			12AFB	
ZAR~a 12AFC 2x III: 2p o0981516	PC25						
	ZATU616		12AFC				
ZAR~b1 12AFD 2x IV: 2p o0981517	PC25						
	ZATU616		12AFD			12AFD	
ZAR~b2 12AFE 3x IV: 3p o0981518	PC25						
	ZATU616		12AFE				
ZAR~c 12AFF 8x IV: 6p/1u; III: 1p o0981519	PC25						
	ZATU616		12AFF			12AFF	
ZI~a 12B00 125x IV: 3p/1u; III: 90p/31u o0981520	PC25						
	ZATU617		1 F221B 12B00		12B00	12B00	12B00
ZI~b 12B01 2x IV: 2p o0981521	PC25						
	ZATU617		12B01			12B01	
ZI~d 12B02 2x III: 2p o0981522	PC25						
	ZATU617		12B02				
(ZU&ZU).SAR~a  o0981523	EDI						
			F2518				
ZUBI~a 12B03 1x III: 1p o0981524	PC25						
	ZATU619		12B03				
ZUBI~b 1x III: 1u o0981525	UNP						
	ZATU619		F221C 1 F221D		(a) F221D		

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU620 12B04		PC25						
1× IV: 1p	<a href="#">o0981526</a>	ZATU620	12B04		12B04			
ZATU621~a 12B05		PC25						
5× IV: 4p; III: 1p	<a href="#">o0981527</a>	ZATU621	12B05	12B05	12B05			
ZATU621~b 12B06		PC25						
3× IV: 3p	<a href="#">o0981528</a>	ZATU621	12B06		12B06			
ZATU621~c 12B07		PC25						
2× IV: 2p	<a href="#">o0981529</a>	ZATU621	12B07		12B07			
ZATU621~d 12B08		PC25						
1× IV: 1p	<a href="#">o0981530</a>	ZATU621	12B08					
ZATU622 12B09		PC25						
1× IV: 1p	<a href="#">o0981531</a>	ZATU622	12B09		12B09			
ZATU623 12B0A		PC25						
11× IV: 3p/1u; III: 5p/2u	<a href="#">o0981532</a>	ZATU623	1 F21D8 2 F21D9 12B0A					
ZATU624~a 12B0B		PC25						
6× III: 2p/3u	<a href="#">o0981533</a>	ZATU624	12B0B			12B0B		
ZATU624~b 12B0C		PC25						
5× III: 1p/4u	<a href="#">o0981534</a>	ZATU624	12B0C					
ZATU624~c		UNP						
1× III: 1u	<a href="#">o0981535</a>	ZATU624	F248F					
ZATU625 12B0D		PC25						
17× IV: 3p/1u; III: 10p/3u	<a href="#">o0981536</a>	ZATU625	12B0D 1 F21DA					
ZATU626~a 12B0E		PC25						
1× IV: 1p	<a href="#">o0981537</a>	ZATU626	12B0E		12B0E			
ZATU626~b 12B0F		PC25						
1× IV: 1p	<a href="#">o0981538</a>	ZATU626	12B0F					
ZATU626~c 12B10		PC25						
1× IV: 1p	<a href="#">o0981539</a>	ZATU626	12B10		12B10			
ZATU627		UNP						
1× IV: 1u	<a href="#">o0981540</a>	ZATU627	F2490					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU628~a 12B11	PC25	12B11 1 F21DB					
30x III: 13p/15u o0981541 ZATU628							
ZATU628~b 12B12	PC25	12B12					
8x III: 1p/7u o0981542 ZATU628							
ZATU629 12B13	PC25	1 F21DC 12B13					
22x IV: 5p; III: 6p/10u o0981543 ZATU629							
ZATU630 12B14	PC25	12B14					
8x IV: 5p/1u; III: 2p o0981544 ZATU630							
ZATU631 12B15	PC25	12B15					
6x IV: 4p; III: 2u o0981545 ZATU631							
ZATU632~a 12B16	PC25	12B16 1 F21DD					
4x IV: 1p/1u; III: 2u o0981546 ZATU632							
ZATU632~b 12B17	PC25	12B17					
1x IV: 1p o0981547 ZATU632							
ZATU632~c	UNP	F2491					
1x IV: 1u o0981548 ZATU632							
ZATU633~a 12B18	PC25	12B18					
4x III: 3p/1u o0981549 ZATU633							
ZATU633~b 12B19	PC25	12B19					
4x III: 4p o0981550 ZATU633							
ZATU634	UNP	F2492					
1x IV: 1u o0981551 ZATU634							
ZATU635 12B1A	PC25	12B1A					
3x IV: 3p o0981552 ZATU635							
ZATU636 12B1B	PC25	1 F21DE 12B1B					
5x IV: 3p; III: 2u o0981553 ZATU636							
ZATU637 12B1C	PC25	12B1C					
2x IV: 1p; III: 1p o0981554 ZATU637							
ZATU639 12B1D	PC25	12B1D					
7x IV: 4p/1u; III: 2p o0981555 ZATU639							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU640	PC25-bk						
1× IV: 1p o0981556	ZATU640	F2493			F2493		
ZATU641	PC25						
12B1E 1× IV: 1p o0981557	ZATU641	12B1E			12B1E		
ZATU642	PC25						
12B1F 2× IV: 2p o0981558	ZATU642	12B1F			12B1F		
ZATU643	PC25						
12B20 2× IV: 1p/1u o0981559	ZATU643	12B20					
ZATU644~a	PC25						
12B21 57× IV: 6p/3u; III: 42p/2u o0981560	ZATU644	12B21			12B21		
ZATU644~a×1(N14)	UNP						
1× IV: 1u o0981561	ZATU645	F2494					
ZATU644~b	PC25						
12B22 10× IV: 2p/4u; III: 2p/1u o0981562	ZATU644	12B22		12B22	12B22		
ZATU646	PC25						
12B23 10× IV: 2p; III: 2p/6u o0981563	ZATU646	12B23					
ZATU647	PC25						
12B24 73× IV: 3p; III: 49p/14u o0981564	ZATU647	12B24 1 F21DF		12B24	12B24	12B24	
ZATU648	PC25						
12B25 53× IV: 2u; III: 39p/12u o0981565	ZATU648	12B25		12B25			12B25
ZATU649	PC25						
12B26 44× III: 37p/7u o0981566	ZATU649	12B26 1 F21E0					12B26
ZATU650	PC25-bk						
1× IV: 1p o0981567	ZATU650	F2495			F2495		
ZATU651	PC25						
12B27 17× IV: 11p/3u; III: 2p/1u o0981568	ZATU651	1 F21E1 2 F21E2 12B27					
ZATU651×AN	PC25						
12B28 1× III: 1p o0981569	ZATU652	12B28			12B28		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU651×EN~a  12B29	PC25 	 12B29			 12B29		 12B29
29× III: 22p/6u	<a href="#">o0981570</a>	ZATU653					
ZATU651×GAR  12B2A	PC25 	 12B2A			 12B2A	 12B2A	
20× IV: 1p/2u; III: 7p/9u	<a href="#">o0981571</a>	ZATU654					
ZATU651×MA  12B2B	PC25 	 12B2B					
1× IV: 1p	<a href="#">o0981572</a>	ZATU655					
ZATU651×NUN~a  12B2C	PC25 	 12B2C					
12× IV: 1p; III: 10p/1u	<a href="#">o0981573</a>	ZATU656					
ZATU651×ŠE~a	UNP		 F2497				
1× III: 1u	<a href="#">o0981574</a>	ZATU657					
ZATU651×X	PC25-bk 	 F2496					
2× III: 2p	<a href="#">o0981575</a>						
ZATU651×ZAR~c  12B2D	PC25 	 12B2D					
1× IV: 1p	<a href="#">o0981576</a>						
ZATU651@g 12B2E	PC25 	 12B2E	 12B2E	 12B2E	 12B2E		
15× III: 8p/5u	<a href="#">o0981577</a>	ZATU658					
ZATU659 12B2F	PC25 	 12B2F	 12B2F	 12B2F	 12B2F		
131× IV: 13p/6u; III: 69p/37u	<a href="#">o0981578</a>	ZATU659					
ZATU659×1(N01)  12B30	PC25 	 12B30	 12B30		 12B30	 12B30	
20× III: 19p	<a href="#">o0981579</a>						
ZATU659×1(N14)  12B31	PC25 	 12B31	 12B31		 12B31		
1× IV: 1p	<a href="#">o0981580</a>	ZATU661					
ZATU659×1(N58@t)  12B32	PC25 	 12B32	 12B32				
AKA:  ZATU659×1(N58)@t  CDLI:  ZATU659×1(N58)@t							
1× III: 1p	<a href="#">o0981581</a>	ZATU660					
ZATU659@t	UNP		 F2542				
1×	<a href="#">o0981582</a>						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU662 12B33	PC25	1 F21E3 2 F21E4 12B33 3 F21E5	12B33	F21E4	F21E3 F21E4 12B33	12B33	
27x IV: 4p/6u; III: 12p/1u	o0981583	ZATU662					
ZATU662×1(N14)  12B34	PC25	12B34 1 F21E6 2 F21E7	12B34	F21E7	F21E6		
11x IV: 4p/1u; III: 6p	o0981584	ZATU663					
ZATU664 12B35	PC25	12B35	12B35		12B35		
2x IV: 1p; III: 1p	o0981585	ZATU664					
ZATU665 12B36	PC25	12B36	12B36		12B36		
1x IV: 1p	o0981586	ZATU665					
ZATU666 12B37	PC25	12B37	12B37				
1x IV: 1p	o0981587	ZATU666					
ZATU667 12B38	PC25	12B38	12B38		12B38		
1x IV: 1p	o0981588	ZATU667					
ZATU668 12B39	PC25	12B39	12B39		12B39		
1x IV: 1p	o0981589	ZATU668					
ZATU669 12B3A	PC25	12B3A	12B3A				
6x III: 3p/3u	o0981590	ZATU669					
ZATU670	PC25-bk	F2498	F2498		F2498		
1x IV: 1p	o0981591	ZATU670					
ZATU672 12B3B	PC25	12B3B	12B3B		12B3B		
3x IV: 3p	o0981592	ZATU672					
ZATU674 12B3C	PC25	12B3C	12B3C				
1x IV: 1p	o0981593	ZATU674					
ZATU675-a 12B3D	PC25	12B3D	12B3D		12B3D		
1x IV: 1p	o0981594	ZATU675					
ZATU675-b 12B3E	PC25	1 F21E8 12B3E	1 F21E8 12B3E		12B3E		
4x IV: 2p; III: 2p	o0981595	ZATU675					
ZATU675-c 12B3F	PC25	12B3F	12B3F		12B3F		
2x IV: 2p	o0981596	ZATU675					

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU683@t CDLI:  ZATU683@t  1× III: 1u o0981613	UNP						
ZATU684 12B50 2× III: 1p/1u o0981614 ZATU684	PC25						
ZATU685 12B51 1× IV: 1p o0981615 ZATU685	PC25						
ZATU686~a 12B52 40× IV: 1p/1u; III: 24p/14u o0981616 ZATU686	PC25						
ZATU686~b 12B53 14× III: 9p/5u o0981617 ZATU686	PC25						
ZATU686~c 12B54 2× III: 2p o0981618 ZATU686	PC25						
ZATU687 12B55 15× IV: 1p; III: 3p/9u o0981619 ZATU687	PC25						
ZATU688~a 12B56 4× IV: 4p o0981620 ZATU688	PC25						
ZATU688~b 12B57 1× IV: 1p o0981621 ZATU688	PC25						
ZATU689 12B58 3× IV: 3p o0981622 ZATU689	PC25						
ZATU690 12B59 2× IV: 1p/1u o0981623 ZATU690	PC25						
ZATU691 12B5A 1× o0981624 ZATU691	PC25						
ZATU692 12B5B 1× IV: 1p o0981625 ZATU692	PC25						
ZATU693 12B5C 31× IV: 27p/1u; III: 1p o0981626 ZATU693	PC25	  	  	  	  		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU693@t 12B5D	PC25	12B5D <sup>1</sup> 			12B5D		
1x IV: 1p o0981627							F21EC
ZATU694~a 12B5E	PC25	12B5E			12B5E		
3x IV: 3p o0981628 ZATU694							
ZATU694~b 12B5F	PC25	12B5F			12B5F		
10x IV: 7p; III: 1p o0981629 ZATU694							
ZATU694~c 12B60	PC25	12B60 1 		12B60		12B60	12B60
74x IV: 2p; III: 18p/53u o0981630 ZATU694							
ZATU694~d 12B61	PC25	12B61			12B61		
16x IV: 11p; III: 2p o0981631 ZATU694							
ZATU694~d@t 12B62	PC25	12B62			12B62		
2x IV: 2p o0981632							
ZATU694~e	ZERO	F252A					F252A
o0981633 ZATU694							
ZATU695 12B63	PC25	12B63					
5x IV: 4p; III: 1u o0981634 ZATU695							
ZATU696 12B64	PC25	12B64			12B64		
5x IV: 1p; III: 4p o0981635 ZATU696							
ZATU697~a 12B65	PC25	1 2 3 4 5 6	12B65		12B65 7 8 9 10 11		F21F1
34x IV: 9p; III: 12p/12u o0981636 ZATU697							
ZATU697~b 12B66	PC25	12B66			12B66		
7x IV: 3p/2u; III: 1p/1u o0981637 ZATU697							
ZATU697~c	UNP	F249A	F249A				
2x III: 2u o0981638 ZATU697							
ZATU699~a	UNP	F249B	F249B				
1x IV: 1u o0981639 ZATU699							
ZATU699~b 12B67	PC25	12B67	12B67				
1x IV: 1p o0981640 ZATU699							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU700 12B68	PC25						
2x o0981641 ZATU700							
ZATU701 12B69	PC25						
1x IV: 1p o0981642 ZATU701							
ZATU702 12B6A	PC25						
3x IV: 1p; III: 2p o0981643 ZATU702							
ZATU703 12B6B	PC25						
21x IV: 3p; III: 15p/3u o0981644 ZATU703							
ZATU704	PC25-bk						
3x IV: 2p o0981645 ZATU704							
ZATU705 12B6C	PC25						
1x IV: 1p o0981646 ZATU705							
ZATU706 12B6D	PC25						
2x IV: 2p o0981647 ZATU706							
ZATU707~a 12B6E	PC25						
11x IV: 1u; III: 9p/1u o0981648 ZATU707							
ZATU707~b 12B6F	PC25						
2x IV: 2p o0981649 ZATU707							
ZATU708 12B70	PC25						
2x IV: 1p; III: 1p o0981650 ZATU708							
ZATU709 12B71	PC25						
1x IV: 1p o0981651 ZATU709							
ZATU710 12B72	PC25						
52x III: 46p/5u o0981652 ZATU710							
ZATU711 12B73	PC25						
6x IV: 3p; III: 1p/1u o0981653 ZATU711							
ZATU711~HI@g~a  12B74	PC25						
2x IV: 2p o0981654 ZATU712							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU711×X  1× IV: 1p o0981655	PC25-bk	 F249D			 F249D		
ZATU713 12B75 7× IV: 7p o0981656	PC25	 12B75			 12B75		
ZATU714 12B76 40× IV: 2p/1u; III: 26p/10u o0981657	PC25	 12B76		 12B76	 12B76	 12B76	
ZATU714.RU  1× IV: 1p o0981658	PC25-sq	 F228E			 F228E		
ZATU714×HI@g~a  12B77 39× IV: 2p; III: 32p/3u o0981659	PC25	 12B77			 12B77	 12B77	
ZATU714×X  2× IV: 1p; III: 1u o0981660	PC25-bk	 F249E					
ZATU717 12B78 2× IV: 1p; III: 1p o0981661	PC25	 12B78			 12B78		
ZATU718 12B79 16× III: 10p/5u o0981662	PC25	 12B79		 12B79	 12B79		
ZATU719 12B7A 4× III: 1p/3u o0981663	PC25	 12B7A					
ZATU720 12B7B 20× IV: 17p/1u o0981664	PC25	 12B7B			 12B7B		
ZATU721 12B7C 2× IV: 2p o0981665	PC25	 12B7C			 12B7C		
ZATU722 12B7D 3× IV: 2p; III: 1p o0981666	PC25	 12B7D			 12B7D	 12B7D	
ZATU723 12B7E 3× IV: 1p; III: 2p o0981667	PC25	 12B7E			 12B7E	 12B7E	
ZATU724 12B7F 3× IV: 1p; III: 2p o0981668	PC25-bk	 F249F			 F249F	 F249F	
ZATU725 12B7F 18× IV: 1p; III: 16p/1u o0981669	PC25	 1 F21F5		 F21F5			
ZATU726~a 12B80 1× IV: 1p o0981670	PC25	 1 F21F6		 12B80	 F21F6 (b)		

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU726~c 12B81		PC25						
4x IV: 1p; III: 2p o0981671		ZATU726	12B81		12B81			
ZATU726~d 12B82		PC25						
23x IV: 6p/1u; III: 13p/2u o0981672		ZATU726	12B82		12B82	12B82		
ZATU727 12B83		PC25						
1x o0981673		ZATU727	12B83		12B83			
ZATU728 12B84		PC25						
9x III: 5p/4u o0981674		ZATU728	12B84					
ZATU729 12B85		PC25						
7x IV: 6p; III: 1p o0981675		ZATU729	12B85 1 F21F7					
ZATU730 12B86		PC25						
1x III: 1p o0981676		ZATU730	12B86					
ZATU732 12B87		PC25						
8x III: 8p o0981677		ZATU732	12B87 1 F21F8					
ZATU733		UNP						
1x III: 1u o0981678		ZATU733	F24A0					
ZATU734 12B88		PC25						
1x IV: 1p o0981679		ZATU734	12B88		12B88			
ZATU735~a 12B89		PC25						
8x III: 5p/3u o0981680		ZATU735	12B89			12B89	12B89	
ZATU735~b 12B8A		PC25						
20x IV: 3p; III: 14p/3u o0981681		ZATU735	1 F21F9 2 F21FA 12B8A			F21FA	12B8A	
ZATU735~c 12B8B		PC25						
1x III: 1p o0981682		ZATU735	12B8B				12B8B	
ZATU736~a 12B8C		PC25						
2x IV: 1p; III: 1p o0981683		ZATU736	12B8C		12B8C		12B8C	
ZATU736~b 12B8D		PC25						
1x IV: 1p o0981684		ZATU736	12B8D		12B8D			

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU737 12B8E	PC25	12B8E 12B8E 12B8E	12B8E	12B8E	12B8E		
4x IV: 1p; III: 2p/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							
ZATU737×BUR~a  12B91	PC25	12B91 12B91	12B91	F21FD (o)	12B91 (o)	12B91 (o)	12B91 (o)
AKA: GABURRA 15x IV: 1p; III: 14p o0981688 ZATU185							
ZATU737×DI  12B92	PC25	12B92 12B92	12B92	12B92	F2201		
26x IV: 1p; III: 22p/1u o0981689 ZATU739							
ZATU737×E~a	UNP	F24A1	F24A1				
1x III: 1u o0981690							
ZATU737×EN~a  12B93	PC25	12B93	12B93		12B93		
1x IV: 1p o0981691 ZATU740							
ZATU737×EN~b  12B94	PC25	12B94	12B94		12B94		
1x o0981692 ZATU740							
ZATU737×GAR  12B95	PC25	12B95 12B95 12B95	12B95 12B95 12B95		F21FF		
AKA: ZATU741 5x IV: 2u; III: 3p o0981693 ZATU741							
ZATU737×I	UNP	F251B	F251B				
1x III: 1u o0981694							
ZATU737×NI~a@g  12B96	PC25	12B96 12B96	12B96 12B96	F2200	F2200		
1x III: 1p o0981695							
ZATU737×NIMGIR  12B97	PC25	12B97	12B97		12B97		
2x IV: 1p o0981696 ZATU742							
ZATU737×SAL  12B98	PC25	12B98	12B98	12B98			
33x IV: 1p/1u; III: 17p/13u o0981697 ZATU743							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU737×SU~a  12B99	PC25 	 12B99					 12B99
2× IV: 1p; III: 1p o0981698	ZATU744						
ZATU737×ŠE~a  12B9A	PC25 	 12B9A			 12B9A		
1× IV: 1p o0981699	ZATU745						
ZATU737×ŠITA~a1  12B9B	PC25 	 12B9B					
1× IV: 1p o0981700							
ZATU737×ŠITA~b1@g  CDLI:  ZATU737×ŠITA@g~a  o0981701	EDI ZATU746	 F2517					
ZATU737×U <sub>4</sub>   12B9C	PC25 	 12B9C		 12B9C			
11× III: 9p/2u o0981702	ZATU747						
ZATU737×UNUG~a  12B9D	PC25 	 12B9D			 12B9D		
1× IV: 1p o0981703	ZATU748						
ZATU737×X  14× III: 12p/2u o0981704	PC25-bk F24A2	 F24A2		 F24A2			
ZATU737@t×PAP~a  1× o0981705	UNP F251A	 F251A					
ZATU749~a 12B9E	PC25 	 12B9E					
13× IV: 1p; III: 6p/5u o0981706	ZATU749	 F2202					
		 F2203					
ZATU749~b 12B9F	PC25 	 12B9F			 12B9F		
19× IV: 1u; III: 8p/9u o0981707	ZATU749						
ZATU749~c 12BA0	PC25 	 12BA0					
13× IV: 1p; III: 11p/1u o0981708	ZATU749						
ZATU750 12BA1	PC25 	 12BA1		 F2204	 F2207	 F2204	 F2207
		 F2205					
		 F2206					
		 F2207					
		 F2208					
15× IV: 4p/2u; III: 7p/2u o0981709	ZATU750						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU751~a 12BA2	PC25						
41x IV: 1p; III: 34p/6u	<a href="#">o0981710</a>	ZATU751					
ZATU751~b 12BA3	PC25				F220A		
5x III: 5p	<a href="#">o0981711</a>	ZATU751					
ZATU751~c 12BA4	PC25						
1x III: 1p	<a href="#">o0981712</a>						
ZATU752 12BA5	PC25						
129x IV: 12p/1u; III: 79p/30u	<a href="#">o0981713</a>	ZATU752					
ZATU753 12BA6	PC25						
231x IV: 22p/16u; III: 147p/37u	<a href="#">o0981714</a>	ZATU753					
ZATU754 12BA7	PC25				12BA7		
3x IV: 2p	<a href="#">o0981715</a>	ZATU754					
ZATU755~a 12BA8	PC25				12BA8		
2x IV: 2p	<a href="#">o0981716</a>	ZATU755					
ZATU755~b 12BA9	PC25						
3x IV: 1p; III: 2p	<a href="#">o0981717</a>	ZATU755					
ZATU756 12BAA	PC25						
19x IV: 1u; III: 11p/7u	<a href="#">o0981718</a>	ZATU756					
ZATU757 12BAB	PC25						
5x IV: 1u; III: 2p/2u	<a href="#">o0981719</a>	ZATU757					
ZATU758 12BAC	PC25				12BAC		
26x IV: 17p/1u; III: 3p/1u	<a href="#">o0981720</a>	ZATU758					
ZATU759 12BAD	PC25						
47x IV: 7p/2u; III: 27p/8u	<a href="#">o0981721</a>	ZATU759					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU759×KU <sub>6</sub> ~a  12BAE	PC25 	12BAE	12BAE	(o) 12BAE			12BAE
32× IV: 2p/1u; III: 14p/6u	o0981722	ZATU760					
ZATU759×(KU <sub>6</sub> ~a+KU <sub>6</sub> ~a)  12BAF	PC25 	12BAF					
1× III: 1p	o0981723						
ZATU759×KU <sub>6</sub> ~d  1× IV: 1u	UNP 	F24A3 					
1× IV: 1u	o0981724	ZATU760					
ZATU759×X  2× IV: 1p	PC25-bk 	F24A4 					
2× IV: 1p	o0981725						
ZATU759@t×X  1× III: 1p	PC25-bk 	F24A5 					
1× III: 1p	o0981726						
ZATU761 1× III: 1u	UNP 	F24A6 					
ZATU761							
1× III: 1u	o0981727	ZATU761					
ZATU762~a 12BB0	PC25 	1 F2210 2 F2211 3 12BB0 					
7× IV: 2p/2u; III: 1p	o0981728	ZATU762					
ZATU762~a×NIM~a  12BB1	PC25 	12BB1 					
2× IV: 1p/1u	o0981729	ZATU763					
ZATU762~b 12BB2	PC25 	12BB2 					
5× IV: 3p/1u	o0981730	ZATU762					
ZATU762~b×AB~a  12BB3	PC25 	12BB3 					
1× o0981731		ZATU163					
ZATU764 12BB4	PC25 	12BB4 					
21× IV: 4p/2u; III: 10p/3u	o0981732	ZATU764					
ZATU765 12BB5	PC25 	12BB5 					
1× o0981733		ZATU765					
ZATU766 12BB6	PC25 	12BB6 					
1× IV: 1p	o0981734	ZATU766					
ZATU767 12BB7	PC25 	12BB7 					
1× IV: 1p	o0981735	ZATU767					
ZATU768	PC25-bk 	F24A7 					
1× IV: 1p	o0981736	ZATU768					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU769 1× III: 1p o0981737	PC25-bk ZATU769	 F24A8			 F24A8		
ZATU771 1× IV: 1p o0981738	PC25-bk ZATU771	 F24A9			 F24A9		
ZATU772 12BB8 1× III: 1p o0981739	PC25 ZATU772	 12BB8					
ZATU773~a 12BB9 50× IV: 1u; III: 38p/10u o0981740	PC25 ZATU773	 12BB9  1 F2212			 12BB9	 12BB9	
ZATU773~b 12BBA 8× IV: 1p; III: 2p/3u o0981741	PC25 ZATU773	 12BBA  1 F2213			 12BBA		 1 F2213
ZATU774 12BBB 1× III: 1p o0981742	PC25 ZATU774	 12BBB					
ZATU775 12BBC 1× III: 1p o0981743	PC25 ZATU775	 12BBC					
ZATU776 12BBD 20× IV: 3p; III: 13p/4u o0981744	PC25 ZATU776	 12BBD  1 F2214  2 F2215			 12BBD		
ZATU777 12BBE 18× III: 15p/3u o0981745	PC25 ZATU777	 12BBE  1 F2216  2 F2217			 12BBE		 1 F2216
ZATU778 12BBF 4× III: 2p/2u o0981746	PC25 ZATU778	 12BBF					
ZATU779 ZERO o0981747	ZERO ZATU779	 F24AA					
ZATU780 12BC0 2× IV: 2p o0981748	PC25 ZATU780	 12BC0			 12BC0		
ZATU781 12BC1 1× III: 1p o0981749	PC25 ZATU781	 12BC1					
ZATU782 12BC2 3× III: 3p o0981750	PC25 ZATU782	 12BC2					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU783 12BC3 2x III: 1p/1u o0981751	PC25 ZATU783	 12BC3					
ZATU784 12BC4 1x III: 1p o0981752	PC25 ZATU784	 12BC4					
ZATU785 12BC5 1x III: 1p o0981753	PC25-bk ZATU785	 F24AB					
ZATU786 12BC5 9x IV: 1u; III: 5p/3u o0981754	PC25 ZATU786	 12BC5	 12BC5				
ZATU787 12BC6 1x III: 1p o0981755	PC25 ZATU787	 12BC6	 12BC6				 12BC6
ZATU788 12BC7 27x III: 27p o0981756	PC25 ZATU788	 12BC7	 12BC7				 12BC7
ZATU789 12BC8 2x IV: 1u; III: 1p o0981758	ZERO ZATU789	 F24AC					
ZATU791 12BC9 1x III: 1p o0981759	PC25 ZATU791	 12BC9	 12BC9				
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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU803 12BD2	PC25						
1× IV: 1p o0981768	ZATU803						
ZATU804 12BD3	PC25						
1× IV: 1p o0981769	ZATU804						
ZATU805	UNP						
2× III: 2u o0981770	ZATU805	F24AD					
ZATU806 12BD4	PC25						
1× III: 1p o0981771	ZATU806	12BD4	12BD4				
ZATU807 12BD5	PC25						
1× IV: 1p o0981772	ZATU807	12BD5	12BD5				
ZATU808 12BD6	PC25						
1× III: 1p o0981773	ZATU808	12BD6	12BD6				
ZATU809 12BD7	PC25						
7× III: 6p o0981774	ZATU809	12BD7	12BD7				
ZATU810 12BD8	PC25						
1× III: 1p o0981775	ZATU810	12BD8	12BD8				
ZATU811 12BD9	PC25						
7× IV: 1p; III: 2p/4u o0981776	ZATU811	12BD9	12BD9			12BD9	
ZATU812 12BDA	PC25						
1× III: 1p o0981777	ZATU812	12BDA	12BDA			12BDA	
ZATU813 12BDB	PC25						
1× III: 1p o0981778	ZATU813	12BDB	12BDB				
ZATU814	UNP						
1× III: 1u o0981779	ZATU814	F24AE					
ZATU815	UNP						
1× III: 1u o0981780	ZATU815	F24AF					
ZATU817	PC25-bk						
1× IV: 1p o0981781	ZATU817	F24B0			F24B0		
ZATU818	PC25-bk						
1× IV: 1p o0981782	ZATU818	F24B1			F24B1		
ZATU819 12BDC	PC25						
7× III: 1p/6u o0981783	ZATU819	12BDC	12BDC				
ZATU820	UNP						
1× III: 1u o0981784	ZATU820	F24B2					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU821 7× III: 7u	UNP o0981785	ZATU821 F24B3					
ZATU822 1× III: 1u	UNP o0981786	ZATU822 F24B4					
ZATU823 3× III: 3u	UNP o0981787	ZATU823 F24B5					
ZATU824 2× III: 2u	UNP o0981788	ZATU824 F24B6					
ZATU825 2× III: 2u	UNP o0981789	ZATU825 F24B7					
ZATU826 2× III: 2u	UNP o0981790	ZATU826 F24B8					
ZATU829 1× III: 1u	UNP o0981791	ZATU829 F24B9					
ZATU831 2× III: 2u	UNP o0981792	ZATU831 F24BA					
ZATU831@g CDLI:  ZATU831@g  2× III: 2u	UNP o0981793						
ZATU832 12BDD 3× III: 1p/2u	PC25 	ZATU832 12BDD					
ZATU833 12BDE 1× IV: 1p	PC25 	ZATU833 12BDE					
ZATU834 12BDF 1× IV: 1p	PC25 	ZATU834 12BDF					
ZATU835 12BE0 1× III: 1p	PC25 	ZATU835 12BE0					
ZATU836 12BE1 2× III: 1p/1u	PC25 	ZATU836 12BE1					
ZATU837-a 3× III: 3u	UNP o0981799	ZATU837 F24BC					
ZATU837-b 1× III: 1u	UNP o0981800	ZATU837 F24BD					
ZATU838 3× III: 3u	UNP o0981801	ZATU838 F24BE					
ZATU839 6× III: 6u	UNP o0981802	ZATU839 F2218 1 F2219	 	 			
ZATU840 1× III: 1u	UNP o0981803	ZATU840 F24BF					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU841	UNP						
2× III: 2u	<a href="#">o0981804</a>	ZATU841	F24C0				
ZATU842	UNP						
1×	<a href="#">o0981805</a>	ZATU842	F24C1				
ZATU843	UNP						
1× III: 1u	<a href="#">o0981806</a>	ZATU843	F24C2				
ZATU844	UNP						
1× IV: 1u	<a href="#">o0981807</a>	ZATU844	F24C3				
ZATU845	UNP						
1× III: 1u	<a href="#">o0981808</a>	ZATU845	F24C4				
ZATU846	UNP						
1× III: 1u	<a href="#">o0981809</a>	ZATU846	F24C5				
ZATU847 12BE2	PC25						
6× III: 2p/4u	<a href="#">o0981810</a>	ZATU847	12BE2				
ZATU848	UNP						
1× III: 1u	<a href="#">o0981811</a>	ZATU848	F24C6				
ZATU849	UNP						
2× III: 2u	<a href="#">o0981812</a>	ZATU849	F24C7				
ZATU850 12BE3	PC25						
4× III: 4p	<a href="#">o0981813</a>	ZATU850	12BE3				
ZATU851 12BE4	PC25						
1× III: 1p	<a href="#">o0981814</a>	ZATU851	12BE4				
ZATU852	UNP						
1× III: 1u	<a href="#">o0981815</a>	ZATU852	F24C8				
ZATU853	UNP						
3× III: 3u	<a href="#">o0981816</a>	ZATU853	F24C9				
ZATU854 12BE5	PC25						
1× III: 1p	<a href="#">o0981817</a>	ZATU854	12BE5				
ZATU855	UNP						
1× III: 1u	<a href="#">o0981818</a>	ZATU855	F24CA				
ZATU856	UNP						
1× III: 1u	<a href="#">o0981819</a>	ZATU856	F2522				
ZATU857	UNP						
1× III: 1u	<a href="#">o0981820</a>	ZATU857	F2524				
ZATU858 12BE6	PC25						
1× III: 1p	<a href="#">o0981821</a>	ZATU858	12BE6				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU859 12BE7	PC25 o0981822	ZATU859 12BE7					12BE7
1× III: 1p							
2(LAGAB~a) 12BE8	PC25 o	12BE8	○	○			
4× III: 2p	o0981823						
3(LAGAB~a) 12BE9	PC25 oo	12BE9	oo				
1× III: 1p	o0981824						
4(LAGAB~a) 12BEA	PC25 oo	12BEA	oo	○○			
2× III: 1p	o0981825						
5(LAGAB~a)	NUM o0981826	F2544	oo oo				
6(LAGAB~a) 12BEB	PC25 oo oo	12BEB	oo oo oo	○○ ○○ ○○			
1× III: 1p	o0981827						
1(N01)	ACN	12550 	12550 				
12971× IV: 1368p/317u; III: 8655p/2277u	o0981828						
2(N01)	ACN	12551  1 F2000	12551  1 F2000				
3(N01)	ACN	12552  1 F2001	12552  1 F2001				
1630× IV: 308p/78u; III: 708p/438u	o0981830						
4(N01)	ACN	12553 	12553 				
1151× IV: 213p/65u; III: 519p/269u	o0981831						
5(N01)	ACN	12554  1 F2002	12554  1 F2002				
1326× IV: 240p/65u; III: 666p/267u	o0981832						
6(N01)	ACN	12555  1 F2003	12555  1 F2003				
597× IV: 125p/41u; III: 240p/146u	o0981833						
7(N01)	ACN	12556  1 F2004	12556  1 F2004				
379× IV: 79p/22u; III: 152p/98u	o0981834						
8(N01)	ACN	12557  1 F2005	12557  1 F2005				
364× IV: 61p/29u; III: 169p/80u	o0981835						
9(N01)	ACN	12558  1 F2006	12558  1 F2006				
247× IV: 53p/15u; III: 94p/62u	o0981836						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
10(N01)	PC25	F00DA					
2× III: 2p	<a href="#">o0981837</a>						
1(N01@f)	ACN						
11× III: 11p	<a href="#">o0981838</a>	1264C					
2(N01@f)	ACN	1264D 1F205C					
3× III: 3p	<a href="#">o0981839</a>						
3(N01@f)	ACN	1264E 1F205D					
1×	<a href="#">o0981840</a>						
4(N01@f)	ACN	1264F					
1×	<a href="#">o0981841</a>						
5(N01@f)	ACN	12650 1F205E					
1× III: 1p	<a href="#">o0981842</a>						
6(N01@f)	ACN	12651 1F205F					
1× IV: 1u	<a href="#">o0981843</a>						
7(N01@f)	ACN	12652 1F2060					
1×	<a href="#">o0981844</a>						
8(N01@f)	ACN	12653 1F2061					
1×	<a href="#">o0981845</a>						
9(N01@f)	ACN	12654 1F2062					
1(N01@r)	ACN						
CDLI:  1(N01@r)  2× IV: 1p	<a href="#">o0981847</a>	12589					
1(N02)	ACN						
165× IV: 45p/10u; III: 71p/38u	<a href="#">o0981848</a>	ZATU606	125BE				
2(N02)	ACN	125BF 1F2029					
99× IV: 28p/20u; III: 39p/10u	<a href="#">o0981849</a>						
3(N02)	ACN	125C0 1F202A					
44× IV: 15p/1u; III: 17p/9u	<a href="#">o0981850</a>						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
4(N02) 30× IV: 3p/4u; III: 19p/1u o0981851	ACN	 125C1					
5(N02) 24× IV: 8p/1u; III: 5p/9u o0981852	ACN	 125C2  1 F202B					
6(N02) 15× IV: 2p/1u; III: 10p/1u o0981853	ACN	 125C3  1 F202C					
7(N02) 5× IV: 2p/1u; III: 2p o0981854	ACN	 125C4  1 F202D					
8(N02) 5× IV: 3p; III: 2p o0981855	ACN	 125C5  1 F202E					
9(N02) 5× IV: 2p/1u; III: 1p/1u o0981856	ACN	 125C6  1 F202F					
1(N03) 68× IV: 2p/1u; III: 63p/2u o0981857	ACN	 125EF					
2(N03) 40× IV: 2p; III: 35p/2u o0981858	ACN	 125F0  1 F2036					
3(N03) 34× IV: 1p; III: 30p/1u o0981859	ACN	 125F1  1 F2037					
4(N03) 19× IV: 1p; III: 16p/2u o0981860	ACN	 125F2					
5(N03) 8× III: 8p o0981861	ACN	 125F3  1 F2038					
1(N04) 145× IV: 2p/1u; III: 117p/22u o0981862	ZATU618	 12606					
2(N04) 66× IV: 1p; III: 62p/1u o0981863	ACN	 12607  1 F203E					
3(N04) 58× IV: 1p/1u; III: 52p/4u o0981864	ACN	 12608  1 F203F					

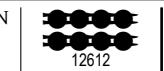
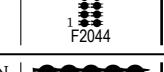
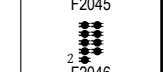
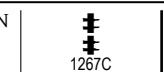
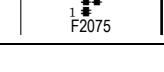
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
4(N04)	ACN	 12609					
36× IV: 1p; III: 32p/2u	<a href="#">o0981865</a>						
5(N04)	ACN	 1260A  F2040	 				
26× IV: 1u; III: 22p/3u	<a href="#">o0981866</a>						
1(N04@f)	ACN	 12676					
	<a href="#">o0981867</a>						
2(N04@f)	ACN	 12677  F2073	 				
	<a href="#">o0981868</a>						
3(N04@f)	ACN	 12678					
	<a href="#">o0981869</a>						
4(N04@f)	ACN	 12679					
	<a href="#">o0981870</a>						
5(N04@f)	ACN	 1267A  F2074	 				
	<a href="#">o0981871</a>						
1(N05)	ACN	 12631					
104× IV: 10p/1u; III: 75p/11u	<a href="#">o0981872</a>						
2(N05)	ACN	 12632  F2052	 				
62× IV: 7p/1u; III: 45p/6u	<a href="#">o0981873</a>						
3(N05)	ACN	 12633  F2053	 				
42× IV: 4p; III: 30p/8u	<a href="#">o0981874</a>						
4(N05)	ACN	 12634					
41× IV: 3p; III: 33p/5u	<a href="#">o0981875</a>						
5(N05)	ACN	 12635  F2054	 				
29× IV: 2p; III: 21p/6u	<a href="#">o0981876</a>						
1(N06)	ACN	 125D1					
10× III: 5p/4u	<a href="#">o0981877</a>						
2(N06)	ACN	 125D2					
	<a href="#">o0981878</a>						
3(N06)	ACN	 125D3					
	<a href="#">o0981879</a>						
4(N06)	ACN	 125D4					
	<a href="#">o0981880</a>						
5(N06)	ACN	 125D5					
	<a href="#">o0981881</a>						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
6(N06)	ACN o0981882	 125D6					
7(N06)	ACN o0981883	 125D7					
8(N06)	ACN o0981884	 125D8					
9(N06)	ACN o0981885	 125D9					
1(N07A)	ACN AKA: 1(N07~a) 15x IV: 15p o0981886	 12646					
2(N07A)	ACN AKA: 2(N07~a) 12x IV: 11p; III: 1p o0981887	 12647					
3(N07A)	ACN AKA: 3(N07~a) 9x IV: 9p o0981888	 12648					
1(N07B)	ACN AKA: 1(N07~b) 4x IV: 4p o0981889	 12649					
2(N07B)	ACN AKA: 2(N07~b) 3x IV: 3p o0981890	 1264A					
3(N07B)	ACN AKA: 3(N07~b) 3x IV: 2p/1u o0981891	 1264B					
1(N08)	ACN 287x IV: 36p/5u; III: 141p/74u o0981892	 12559					
2(N08)	ACN 35x IV: 6p; III: 22p/6u o0981893	 1255A					
3(N08)	ACN 31x IV: 1p/1u; III: 17p/11u o0981894	 1255B					
4(N08)	ACN 20x IV: 2p; III: 13p/3u o0981895	 1255C F2007					
5(N08)	ACN 23x IV: 1p/1u; III: 14p/6u o0981896	 1255D					
6(N08)	ACN 10x IV: 1u; III: 8p/1u o0981897	 1255E					
7(N08)	ACN 5x III: 4p/1u o0981898	 1255F					

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>8(N08)</b>		ACN	12560					
7× III: 7p	<a href="#">o0981899</a>							
<b>9(N08)</b>		ACN	12561					
3× IV: 1p; III: 2p	<a href="#">o0981900</a>							
<b>1(N08~b)</b>		NUM	F00F5					
1× III: 1u	<a href="#">o0981901</a>							
<b>2(N08~b)</b>		PC25	F00F6					
4× III: 1p/3u	<a href="#">o0981902</a>							
<b>3(N08~b)</b>		NUM	F00F7					
1× III: 1u	<a href="#">o0981903</a>							
<b>4(N08~b)</b>		NUM	F00F8					
1× III: 1u	<a href="#">o0981904</a>							
<b>4(N08~c)</b>		NUM	F00F9					
1× III: 1u	<a href="#">o0981905</a>							
<b>1(N08~v)</b>		NUM	F00FA					
1× III: 1u	<a href="#">o0982197</a>							
<b>1(N08@f)</b>		ACN	12655					
	<a href="#">o0981907</a>							
1(N08@f)×1(N57)		NUM	F012C					
	<a href="#">o0981908</a>							
<b>1(N09)</b>		ACN	12643					
18× IV: 18p	<a href="#">o0981909</a>							
<b>1(N11)</b>		ACN	12644					
4× IV: 4p	<a href="#">o0981910</a>							
<b>1(N12)</b>		ACN	12645					
1× IV: 1p	<a href="#">o0981911</a>							
<b>1(N14)</b>		ACN	12562					
2594× IV: 443p/186u; III: 1314p/491u	<a href="#">o0981912</a>	ZATU564						
<b>2(N14)</b>		ACN	12563					
1375× IV: 241p/91u; III: 645p/293u	<a href="#">o0981913</a>							
<b>3(N14)</b>		ACN	12564					
807× IV: 129p/50u; III: 429p/151u	<a href="#">o0981914</a>							
<b>4(N14)</b>		ACN	12565					
530× IV: 91p/29u; III: 262p/113u	<a href="#">o0981915</a>							
<b>5(N14)</b>		ACN	12566					
386× IV: 25p/19u; III: 226p/77u	<a href="#">o0981916</a>		<sup>1</sup> F2008					
<b>6(N14)</b>		ACN	12567					
100× IV: 12p/3u; III: 62p/21u	<a href="#">o0981917</a>		<sup>1</sup> F2009					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
7(N14)	ACN	12568 1 F200A					
79x IV: 5p; III: 53p/17u	<a href="#">o0981918</a>						
8(N14)	ACN	12569 1 F200B					
72x IV: 4p; III: 61p/4u	<a href="#">o0981919</a>						
9(N14)	ACN	1256A 1 F200C					
43x III: 38p/4u	<a href="#">o0981920</a>						
10(N14)	PC25	F00DB					
2x	<a href="#">o0981921</a>						
11(N14)	PC25	F00DC					
1x	<a href="#">o0981922</a>						
12(N14)	OOR5	F00DD					
1x	<a href="#">o0981923</a>						
22(N14)	PC25	F00DE					
1x	<a href="#">o0981924</a>						
1(N14@f)	ACN	12656					
1x IV: 1u	<a href="#">o0981925</a>						
2(N14@f)	ACN	12657					
	<a href="#">o0981926</a>						
3(N14@f)	ACN	12658					
2x IV: 1u	<a href="#">o0981927</a>						
4(N14@f)	ACN	12659					
	<a href="#">o0981928</a>						
5(N14@f)	ACN	1265A 1 F2063					
	<a href="#">o0981929</a>						
6(N14@f)	ACN	1265B 1 F2064					
	<a href="#">o0981930</a>						
7(N14@f)	ACN	1265C 1 F2065					
	<a href="#">o0981931</a>						
8(N14@f)	ACN	1265D 1 F2066					
	<a href="#">o0981932</a>						

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
9(N14@f)		ACN    1265E 1 F2067						
	o0981933							
10(N14@f)		OOR    F00DF						
	o0981934							
1(N15)		ACN    125C7						
13x IV: 1p; III: 10p/2u	o0981935							
2(N15)		ACN    125C8						
8x IV: 1p; III: 5p/2u	o0981936							
3(N15)		ACN    125C9						
4x IV: 1p; III: 2p/1u	o0981937							
4(N15)		ACN    125CA						
1x III: 1u	o0981938							
5(N15)		ACN    125CB 1 F2030						
3x III: 3p	o0981939							
1(N16)		ACN    F00FB						
9x IV: 1p; III: 6p/1u	o0981940							
1(N17)		ACN    F00FC						
1x III: 1p	o0981941							
1(N18)		ACN    125F4						
19x IV: 3p/1u; III: 15p	o0981942							
2(N18)		ACN    125F5						
14x III: 13p/1u	o0981943							
3(N18)		ACN    125F6						
6x III: 6p	o0981944							
4(N18)		ACN    125F7						
2x III: 2p	o0981945							
5(N18)		ACN    125F8 1 F2039						
3x III: 3p	o0981946							
6(N18)		ACN    125F9 1 F203A						
2x IV: 1p; III: 1p	o0981947							
7(N18)		ACN    125FA 1 F203B						
1x III: 1p	o0981948							
8(N18)		ACN    125FB 1 F203C						
2x III: 2p	o0981949							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS	
<b>9(N18)</b>	ACN	 125FC  1 F203D						
2× III: 2p	<a href="#">o0981950</a>							
<b>1(N19)</b>	ACN	 1260B						
87× IV: 2p/1u; III: 77p/6u	<a href="#">o0981951</a>							
<b>2(N19)</b>	ACN	 1260C						
81× IV: 4p/1u; III: 69p/6u	<a href="#">o0981952</a>							
<b>3(N19)</b>	ACN	 1260D						
52× IV: 2p; III: 47p/3u	<a href="#">o0981953</a>							
<b>4(N19)</b>	ACN	 1260E						
33× III: 29p/4u	<a href="#">o0981954</a>							
<b>5(N19)</b>	ACN	 1260F  1 F2041	 					
40× III: 33p/4u	<a href="#">o0981955</a>							
<b>6(N19)</b>	ACN	 12610  1 F2042	 					
20× III: 18p/2u	<a href="#">o0981956</a>							
<b>7(N19)</b>	ACN	 12611  1 F2043	 					
22× IV: 1p; III: 18p/2u	<a href="#">o0981957</a>							
<b>8(N19)</b>	ACN	 12612  1 F2044	 					
16× III: 14p/2u	<a href="#">o0981958</a>							
<b>9(N19)</b>	ACN	 12613  1 F2045  2 F2046	  					
10× III: 9p/1u	<a href="#">o0981959</a>							
<b>1(N19@f)</b>	ACN	 1267B						
	<a href="#">o0981960</a>							
<b>2(N19@f)</b>	ACN	 1267C						
	<a href="#">o0981961</a>							
<b>3(N19@f)</b>	ACN	 1267D						
	<a href="#">o0981962</a>							
<b>4(N19@f)</b>	ACN	 1267E						
	<a href="#">o0981963</a>							
<b>5(N19@f)</b>	ACN	 1267F  1 F2075	 					
	<a href="#">o0981964</a>							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
6(N19@f)	ACN	12680 1 F2076	12680 1 F2076				
		o0981965					
7(N19@f)	ACN	12681 1 F2077	12681 1 F2077				
		o0981966					
8(N19@f)	ACN	12682 1 F2078	12682 1 F2078				
		o0981967					
9(N19@f)	ACN	12683 1 F2079	12683 1 F2079				
		o0981968					
1(N20)	ACN	12636	12636				
62x IV: 11p; III: 45p/5u		o0981969					
2(N20)	ACN	12637	12637				
50x IV: 7p/1u; III: 29p/13u		o0981970					
3(N20)	ACN	12638	12638				
24x IV: 3p; III: 17p/3u		o0981971					
4(N20)	ACN	12639	12639				
17x IV: 2p; III: 11p/4u		o0981972					
5(N20)	ACN	1263A 1 F2055	1263A 1 F2055				
12x IV: 1p; III: 5p/6u		o0981973					
6(N20)	ACN	1263B 1 F2056	1263B 1 F2056				
9x III: 8p/1u		o0981974					
7(N20)	ACN	1263C 1 F2057	1263C 1 F2057				
4x IV: 1p; III: 3p		o0981975					
8(N20)	ACN	1263D 1 F2058	1263D 1 F2058				
6x III: 4p/2u		o0981976					
9(N20)	ACN	1263E 1 F2059	1263E 1 F2059				
5x IV: 1p; III: 4p		o0981977					
1(N21)	ACN	125DA					
		o0981978					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
2(N21)	ACN						
5× III: 5p	<a href="#">o0981979</a>	125DB					
3(N21)	ACN						
9× III: 8p/1u	<a href="#">o0981980</a>	125DC					
4(N21)	ACN						
4× III: 4p	<a href="#">o0981981</a>	125DD					
5(N21)	ACN						
2× III: 2p	<a href="#">o0981982</a>	125DE F2033					
6(N21)	PC25						
1× IV: 1p	<a href="#">o0981983</a>	F00E0					
1(N22)	ACN						
89× IV: 2p; III: 45p/41u	<a href="#">o0981984</a>	1258C					
2(N22)	ACN						
56× IV: 1p; III: 31p/23u	<a href="#">o0981985</a>	1258D					
1(N22~v)	PC25						
1× III: 1p	<a href="#">o0981986</a>	F00FD					
1(N22@f)	ACN						
	<a href="#">o0981987</a>	1266A					
2(N22@f)	ACN						
	<a href="#">o0981988</a>	1266B					
1(N23)	Pelm						
2× III: 1p/1u	<a href="#">o0981989</a>	F00FE					
2(N23)	Pelm						
1× III: 1p	<a href="#">o0981990</a>	F00FF					
3(N23)	Pelm						
1× III: 1p	<a href="#">o0981991</a>	F0100					
5(N23)	Pelm						
1×	<a href="#">o0981992</a>	F0101					
7(N23)	Pelm						
1× III: 1p	<a href="#">o0981993</a>	F0102					
1(N24)	ACN						
AKA: 1(N24') 1(N24'')							
357× IV: 27p/11u; III: 271p/33u	<a href="#">o0981994</a>	125AA					
2(N24)	NUM						
	<a href="#">o0981995</a>	F0103					
4(N24)	NUM						
	<a href="#">o0981996</a>	F0104					
6(N24)	NUM						
1× IV: 1u	<a href="#">o0981997</a>	F0105					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
1(N24@f)	PC25						
2x III: 2p	<a href="#">o0981998</a>	F0106					
1(N24A)	ACN						
AKA: 1(N24~a) 28x III: 28p	<a href="#">o0981999</a>	125EA					
1(N24B)	ACN						
AKA: 1(N24~b) 18x III: 15p/3u	<a href="#">o0982000</a>	125FE					
1(N25)	ACN						
150x IV: 5p; III: 127p/16u	<a href="#">o0982001</a>	12623					
1(N26)	ACN						
45x IV: 9p/1u; III: 22p/7u	<a href="#">o0982002</a>	125AB F2026	 				
1(N26B)	ACN						
AKA: 1(N26~b) 1x III: 1p	<a href="#">o0982003</a>	125FF					
1(N27)	ACN						
13x IV: 1p; III: 12p	<a href="#">o0982004</a>	12624 F2051	 				
1(N28)	ACN						
91x IV: 17p/1u; III: 56p/6u	<a href="#">o0982005</a>	125AC					
1(N28B)	ACN						
AKA: 1(N28~b) 2x III: 2p	<a href="#">o0982006</a>	12600					
1(N28C)	ACN						
AKA: 1(N28~c) 38x IV: 1p; III: 30p/6u	<a href="#">o0982007</a>	12625					
1(N29A)	ACN						
AKA: 1(N29) 1(N29~a) 57x IV: 4p; III: 51p/2u	<a href="#">o0982008</a>	125AD F2027					
2(N29A)	PC25						
AKA: 2(N29~a) 4x III: 4p	<a href="#">o0982009</a>	F0107					
1(N29AB)	ACN						
AKA: 1(N29A~b) 1(N29A~b) 1x III: 1p	<a href="#">o0982010</a>	12601					
2(N29AB)	PC25						
AKA: 2(N29A~b) 2x III: 2p	<a href="#">o0982011</a>	F010A					
1(N29AC)	ACN						
AKA: 1(N29A~c) 3x III: 2p/1u	<a href="#">o0982012</a>	12626					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>1(N29B)</b> AKA: 1(N29~b) 6× IV: 2p; III: 4p <a href="#">o0982013</a>	ACN	125AE					
<b>1(N30A)</b> AKA: 1(N30~a) 52× IV: 3p; III: 49p <a href="#">o0982014</a>	ACN	125AF 1 F2028					
<b>1(N30AC)</b> AKA: 1(N30A~c) 4× III: 4p <a href="#">o0982015</a>	ACN	12627					
<b>1(N30B)</b> AKA: 1(N30~b) 2× III: 2p <a href="#">o0982016</a>	PC25	F010B					
<b>1(N30C)</b> AKA: 1(N30~c) 47× IV: 1p; III: 40p/3u <a href="#">o0982017</a>	ACN	125B0					
<b>1(N30CA)</b> AKA: 1(N30C~a) 1(N30C~a) 1× III: 1p <a href="#">o0982018</a>	PC25	F2538					
<b>1(N30CB)</b> <a href="#">o0982019</a>	NUM	F010C					
<b>1(N30CC)</b> AKA: 1(N30C~c) 1× III: 1u <a href="#">o0982020</a>	ACN	12628					
<b>1(N30D)</b> AKA: 1(N30~d) 2× IV: 2p <a href="#">o0982021</a>	ACN	125B1					
<b>1(N30E)</b> AKA: 1(N30~e) 1× III: 1p <a href="#">o0982022</a>	ACN	125B2					
<b>1(N31)</b> 3× IV: 1p; III: 2p <a href="#">o0982023</a>	ACN	125B3					
<b>1(N32)</b> 3× IV: 2p/1u <a href="#">o0982024</a>	ACN	125B4					
<b>1(N33)</b> 1× IV: 1p <a href="#">o0982025</a>	ACN	125B5					
<b>1(N34)</b> 1020× IV: 221p/94u; III: 471p/179u <a href="#">o0982026</a>	ACN	1256B					
<b> 1(N34)×1(N58) </b> 1× III: 1p <a href="#">o0982027</a>	PC25	F012D					
<b>2(N34)</b> 344× IV: 64p/17u; III: 169p/65u <a href="#">o0982028</a>	ACN	1256C 1 F200D					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
3(N34)	ACN	1256D 1 F200E					
175× IV: 35p/15u; III: 73p/38u	<a href="#">o0982029</a>						
4(N34)	ACN	1256E					
109× IV: 22p/10u; III: 55p/19u	<a href="#">o0982030</a>						
5(N34)	ACN	1256F 1 F200F					
112× IV: 17p/9u; III: 51p/19u	<a href="#">o0982031</a>						
6(N34)	ACN	12570 1 F2010					
54× IV: 9p/5u; III: 25p/13u	<a href="#">o0982032</a>						
7(N34)	ACN	12571 1 F2011					
28× IV: 5p/4u; III: 12p/7u	<a href="#">o0982033</a>						
8(N34)	ACN	12572 1 F2012					
24× IV: 4p/4u; III: 6p/10u	<a href="#">o0982034</a>						
9(N34)	ACN	12573 1 F2013					
14× IV: 3p/1u; III: 8p/1u	<a href="#">o0982035</a>						
1(N34@f)	ACN	1265F					
1× IV: 1p	<a href="#">o0982036</a>						
2(N34@f)	ACN	12660					
	<a href="#">o0982037</a>						
3(N34@f)	ACN	12661					
	<a href="#">o0982038</a>						
4(N34@f)	ACN	12662					
	<a href="#">o0982039</a>						
5(N34@f)	ACN	12663 1 F2068					
	<a href="#">o0982040</a>						
6(N34@f)	ACN	12664 1 F2069					
	<a href="#">o0982041</a>						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
7(N34@f)	ACN	12665 1 F206A	12665 1 F206A				
1x III: 1p	o0982042						
8(N34@f)	ACN	12666 1 F206B	12666 1 F206B				
o0982043							
9(N34@f)	ACN	12667 1 F206C	12667 1 F206C				
o0982044							
1(N34@f@t)	ACN	12675	12675				
CDLI:  1(N34@f@t)		o0982045					
1(N35)	ACN	125CC	125CC				
5x IV: 2p; III: 2p/1u	o0982046						
2(N35)	ACN	125CD 1 125CE	125CD 1 125CE				
1x III: 1p	o0982047						
3(N35)	ACN	125CF					
o0982048							
4(N35)	ACN	125DO 1 125E					
1x III: 1p	o0982050						
1(N36)	ACN	12616	12616				
43x IV: 4p; III: 29p/9u	o0982051						
2(N36)	ACN	12617 1 12618	12617 1 12618				
10x IV: 3p; III: 5p/1u	o0982052						
3(N36)	ACN	12619 1 1261A	12619 1 1261A				
7x IV: 1p; III: 4p/2u	o0982053						
4(N36)	ACN	1261B 1 1261C	1261B 1 1261C				
3x IV: 1p; III: 2p	o0982054						
5(N36)	ACN	1261D 1 1261E	1261D 1 1261E				
1x IV: 1p	o0982055						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
6(N36)	ACN	 1261B  F204B	 1261B				
2× III: 2u	<a href="#">o0982056</a>						
7(N36)	ACN	 1261C  F204C	 1261C				
	<a href="#">o0982057</a>						
8(N36)	ACN	 1261D  F204D	 1261D				
	<a href="#">o0982058</a>						
9(N36)	ACN	 1261E  F204E	 1261E				
2× III: 2p	<a href="#">o0982059</a>						
1(N36@f)	ACN	 12686					
	<a href="#">o0982060</a>						
1(N37)	ACN	 12641					
6× IV: 1u; III: 4p/1u	<a href="#">o0982061</a>						
2(N37)	ACN	 12642  F205B	 12642				
1× III: 1p	<a href="#">o0982062</a>						
1(N38)	ACN	 125DF					
30× IV: 4p/1u; III: 24p/1u	<a href="#">o0982063</a>						
1(N39A)	ACN	 125B6					
AKA: 1(N39~a) 211×							
IV: 7p/4u; III: 176p/18u	<a href="#">o0982064</a>						
2(N39A)	ACN	 125B7					
AKA: 2(N39~a) 189×							
IV: 2p; III: 162p/17u	<a href="#">o0982065</a>						
3(N39A)	ACN	 125B8					
AKA: 3(N39~a) 89×							
IV: 2p/1u; III: 74p/10u	<a href="#">o0982066</a>						
4(N39A)	ACN	 125B9					
AKA: 4(N39~a) 55×							
III: 51p/2u	<a href="#">o0982067</a>						
1(N39B)	ACN	 125BA					
AKA: 1(N39~b) 14×							
IV: 9p/4u	<a href="#">o0982068</a>						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>2(N39B)</b> AKA: 2(N39~b) 11x IV: 5p/3u	ACN	 125BB					
<b>3(N39B)</b> AKA: 3(N39~b) 5x IV: 3p/1u	ACN	 125BC					
<b>4(N39B)</b> AKA: 4(N39~b) 8x IV: 4p/1u	ACN	 125BD					
<b>1(N40)</b> 40x III: 38p/1u	ACN	 125EB					
<b>2(N40)</b> 36x IV: 1p; III: 34p	ACN	 125EC					
<b>3(N40)</b> 27x III: 26p	ACN	 125ED					
<b>4(N40)</b> 16x III: 16p	ACN	 125EE					
<b>1(N41)</b> 24x III: 22p	ACN	 12602					
<b>2(N41)</b> 27x III: 27p	ACN	 12603					
<b>3(N41)</b> 20x III: 20p	ACN	 12604					
<b>4(N41)</b> 17x III: 16p/1u	ACN	 12605					
<b>1(N42A)</b> AKA: 1(N42~a) 130x IV: 2p/1u; III: 115p/12u	ACN	 12629					
<b>2(N42A)</b> AKA: 2(N42~a) 89x IV: 1p; III: 77p/6u	ACN	 1262A					
<b>3(N42A)</b> AKA: 3(N42~a) 52x IV: 1p; III: 39p/12u	ACN	 1262B					
<b>4(N42A)</b> AKA: 4(N42~a) 25x IV: 5p; III: 17p/2u	ACN	 1262C					
<b>1(N42B)</b> o0982084	ACN	 1262D					
<b>2(N42B)</b> AKA: 2(N42~b) 3x IV: 3p	ACN	 1262E					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>3(N42B)</b> o0982086	ACN	 1262F					
<b>4(N42B)</b> o0982087	ACN	 12630					
<b>1(N43)</b> 3× III: 2p/1u o0982088	PC25	 F010D					
<b>4(N43)</b> 1× III: 1p o0982089	PC25	 F010E					
<b>1(N44)</b> 1× IV: 1p o0982090	PC25	 F00E1					
<b>1(N45)</b> 323× IV: 23p/5u; III: 219p/60u o0982091	ACN	 12579					
<b>2(N45)</b> 137× IV: 7p/3u; III: 88p/32u o0982092	ACN	 1257A  F2017					
<b>3(N45)</b> 13× IV: 2p; III: 6p/4u o0982093	ACN	 1257B					
<b>4(N45)</b> 4× III: 4u o0982094	ACN	 1257C					
<b>5(N45)</b> 6× III: 3p/3u o0982095	ACN	 1257D  F2018					
<b>6(N45)</b> 4× III: 3p/1u o0982096	ACN	 1257E  F2019					
<b>7(N45)</b> 2× III: 2u o0982097	ACN	 1257F  F201A					
<b>8(N45)</b> o0982098	ACN	 12580					
<b>9(N45)</b> 1× III: 1p o0982099	ACN	 12581  F201B					
<b>1(N45@f)</b> o0982100	ACN	 12668					
<b>2(N45@f)</b> o0982101	ACN	 12669					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
3(N45@f)	OOR o0982102						
4(N45@f)	OOR o0982103						
5(N45@f)	OOR o0982104						
6(N45@f)	OOR o0982105						
7(N45@f)	OOR o0982106						
8(N45@f)	OOR o0982107						
9(N45@f)	OOR o0982108						
1(N45A)	ACN AKA: 1(N45~a) 1x III: 1p o0982109						
1(N46)	ACN 99x IV: 5p; III: 72p/22u o0982110						
2(N46)	ACN 40x IV: 1p; III: 32p/6u o0982111	 	 				
3(N46)	PC25 1x o0982112						
1(N46@f)	ACN o0982113						
2(N46@f)	ACN o0982114						
1(N47)	ACN 15x IV: 4p/1u; III: 10p o0982115	 	 				
2(N47)	ACN 11x IV: 2p; III: 8p/1u o0982116	 	 				
3(N47)	OOR 1x IV: 1u o0982117						
1(N48)	ACN 105x IV: 30p/9u; III: 36p/20u o0982118						
2(N48)	ACN 45x IV: 11p/10u; III: 16p/4u o0982119	 	 				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>3(N48)</b>	ACN	12576 1 F2015					
17x IV: 3p/1u; III: 7p/5u	<a href="#">o0982120</a>						
<b>4(N48)</b>	ACN	12577					
13x IV: 2u; III: 7p/4u	<a href="#">o0982121</a>						
<b>5(N48)</b>	ACN	12578 1 F2016					
4x IV: 3u; III: 1u	<a href="#">o0982122</a>						
<b>6(N48)</b>	OOR	F00EB					
2x IV: 2u	<a href="#">o0982123</a>						
<b>7(N48)</b>	OOR	F00EC					
1x IV: 1u	<a href="#">o0982124</a>						
<b>1(N48@f)</b>	NUM	F010F					
	<a href="#">o0982125</a>						
<b>1(N49)</b>	ACN	1261F					
8x IV: 1p; III: 6p/1u	<a href="#">o0982126</a>						
<b>2(N49)</b>	ACN	12620 1 F204F					
3x IV: 1p; III: 1u	<a href="#">o0982127</a>						
<b>3(N49)</b>	ACN	12621 1 F2050					
4x IV: 1p; III: 3p	<a href="#">o0982128</a>						
<b>4(N49)</b>	ACN	12622					
2x III: 1p/1u	<a href="#">o0982129</a>						
<b>5(N49)</b>	OOR	F00ED					
	<a href="#">o0982130</a>						
<b>1(N50)</b>	ACN	12582					
82x IV: 1u; III: 42p/36u	<a href="#">o0982131</a>						
<b>2(N50)</b>	ACN	12583 1 F201C					
35x IV: 2p/1u; III: 19p/13u	<a href="#">o0982132</a>						
<b>3(N50)</b>	ACN	12584					
22x III: 16p/6u	<a href="#">o0982133</a>						
<b>4(N50)</b>	ACN	12585					
23x III: 14p/8u	<a href="#">o0982134</a>						
<b>5(N50)</b>	ACN	12586 1 F201D					
9x III: 5p/3u	<a href="#">o0982135</a>						

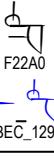
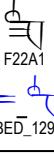
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>1(N51)</b> 107× IV: 33p/14u; III: 41p/15u <a href="#">o0982136</a>	ACN	 1259A					
<b>2(N51)</b> 46× IV: 8p/7u; III: 21p/8u <a href="#">o0982137</a>	ACN	 1259B   F201E					
<b>3(N51)</b> 17× IV: 5p/2u; III: 8p/2u <a href="#">o0982138</a>	ACN	 1259C					
<b>4(N51)</b> 11× IV: 2p; III: 4p/4u <a href="#">o0982139</a>	ACN	 1259D					
<b>5(N51)</b> 18× IV: 2p/2u; III: 8p/6u <a href="#">o0982140</a>	ACN	 1259E   F201F					
<b>6(N51)</b> 6× IV: 1u; III: 2p/3u <a href="#">o0982141</a>	ACN	 1259F   F2020					
<b>7(N51)</b> 2× IV: 1p; III: 1p <a href="#">o0982142</a>	ACN	 125A0   F2021					
<b>8(N51)</b> 2× IV: 1p; III: 1p <a href="#">o0982143</a>	ACN	 125A1   F2022					
<b>9(N51)</b> <a href="#">o0982144</a>	ACN	 125A2					
<b>1(N51@f)</b> <a href="#">o0982145</a>	ACN	 1266C					
<b>2(N51@f)</b> <a href="#">o0982146</a>	ACN	 1266D   F206D					
<b>3(N51@f)</b> <a href="#">o0982147</a>	ACN	 1266E					
<b>4(N51@f)</b> <a href="#">o0982148</a>	ACN	 1266F					
<b>5(N51@f)</b> <a href="#">o0982149</a>	ACN	 12670   F206E					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
6(N51@f)	ACN	12671 1 F206F	12671 1 F206F				
		<a href="#">o0982150</a>					
7(N51@f)	ACN	12672 1 F2070	12672 1 F2070				
		<a href="#">o0982151</a>					
8(N51@f)	ACN	12673 1 F2071	12673 1 F2071				
		<a href="#">o0982152</a>					
9(N51@f)	ACN	12674 1 F2072	12674 1 F2072				
		<a href="#">o0982153</a>					
1(N52)	ACN	125E0	125E0				
27x IV: 1p/2u; III: 20p/4u		<a href="#">o0982154</a>					
2(N52)	ACN	125E1 1 F2034	125E1 1 F2034				
10x III: 10p		<a href="#">o0982155</a>					
3(N52)	ACN	125E2	125E2				
4x IV: 1p; III: 2p/1u		<a href="#">o0982156</a>					
4(N52)	ACN	125E3	125E3				
2x IV: 1p; III: 1p		<a href="#">o0982157</a>					
5(N52)	ACN	125E4 1 F2035	125E4 1 F2035				
1x IV: 1p		<a href="#">o0982158</a>					
6(N52)	ACN	125E5	125E5				
		<a href="#">o0982159</a>					
7(N52)	ACN	125E6	125E6				
		<a href="#">o0982160</a>					
8(N52)	ACN	125E7	125E7				
		<a href="#">o0982161</a>					
9(N52)	ACN	125E8	125E8				
		<a href="#">o0982162</a>					
3(N53)	PC25	F00EE	F00EE				
1x IV: 1p		<a href="#">o0982163</a>					
1(N54)	ACN	125A3	125A3				
18x IV: 7p/1u; III: 3p/7u		<a href="#">o0982164</a>					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
2(N54)	ACN	125A4 <sup>1</sup> F2023					
4× IV: 3p; III: 1p	<a href="#">o0982165</a>						
3(N54)	ACN	125A5					
3× IV: 1p; III: 2p	<a href="#">o0982166</a>						
4(N54)	ACN	125A6					
	<a href="#">o0982167</a>						
5(N54)	ACN	125A7 <sup>1</sup> F2024					
3× III: 3p	<a href="#">o0982168</a>						
1(N55)	PC25	F00EF					
1× IV: 1p	<a href="#">o0982169</a>						
1(N56)	ACN	125A8					
	<a href="#">o0982170</a>						
2(N56)	ACN	125A9 <sup>1</sup> F2025					
1× III: 1p	<a href="#">o0982171</a>						
1(N57) 12BEC	—	PC25	— 12BEC				
AKA: AŠ 507×							
IV: 70p/19u; III: 269p/139u	<a href="#">o0982172</a>	ZATU037					
2(N57) 12BED	=	PC25	= 12BED <sup>1</sup> F2223	=			
161×							
IV: 15p/2u; III: 101p/35u	<a href="#">o0982173</a>	ZATU546					
3(N57) 12BEE	≡	PC25	≡ 12BEE	≡			
551×							
IV: 20p/9u; III: 364p/139u	<a href="#">o0982174</a>	ZATU146					
4(N57) 12BEF	≡	PC25	≡ 12BEF	≡			
46×							
IV: 4p/1u; III: 33p/7u	<a href="#">o0982175</a>						
5(N57) 12BF0	≡≡	PC25	≡≡ 12BF0	≡≡			
62×							
IV: 4p; III: 46p/8u	<a href="#">o0982176</a>						
6(N57) 12BF1	≡≡	PC25	≡≡ 12BF1 <sup>1</sup> F2224	≡≡			
21×							
IV: 2p; III: 15p/3u	<a href="#">o0982177</a>						
7(N57) 12BF2	≡≡	PC25	≡≡ 12BF2 <sup>1</sup> F2225	≡≡			
9×							
IV: 1p; III: 7p	<a href="#">o0982178</a>						

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
<b>8(N57)</b> 12BF3	≡	PC25	≡ 12BF3	====				
5× III: 3p/1u	<a href="#">o0982179</a>							
<b>9(N57)</b> 12BF4	≡	PC25	≡ 12BF4	≡≡				
2× III: 2p	<a href="#">o0982180</a>							
<b>10(N57)</b> 12BF5	≡	PC25	≡ 12BF5	=====				
1× III: 1p	<a href="#">o0982181</a>							
<b>1(N58)</b> 12BF6		PC25						
AKA: DIŠ 189× IV: 36p/16u; III: 100p/36u	<a href="#">o0982182</a>	ZATU081	12BF6					
<b>2(N58)</b> 12BF7		PC25	 12BF7					
11× IV: 4p/1u; III: 2p/2u	<a href="#">o0982183</a>							
<b>3(N58)</b> 12BF8		PC25	 12BF8					
9× IV: 4p; III: 2p/3u	<a href="#">o0982184</a>							
<b>4(N58)</b> 12BF9		PC25	 12BF9					
4× IV: 2u; III: 1p/1u	<a href="#">o0982185</a>							
<b>5(N58)</b> 12BFA		PC25	 12BFA					
2× IV: 2u	<a href="#">o0982186</a>							
<b>8(N58)</b> 12BFB		PC25	 12BFB					
1× III: 1u	<a href="#">o0982187</a>							
<b>9(N58)</b> 12BFC		PC25	 12BFC					
1× III: 1p	<a href="#">o0982188</a>							
<b>10(N58)</b> 12BFD		PC25	 12BFD					
2× III: 2p	<a href="#">o0982189</a>							
<b>12(N58)</b> 12BFE		PC25	 12BFE					
1× III: 1p	<a href="#">o0982190</a>							
<b>1(N58@t)</b> 12BFF	\	PC25	\ 12BFF	\				
AKA: 1(N58)@t CDLI:  1(N58@t)								
2× IV: 1p	<a href="#">o0982191</a>							
<b>1(N59)</b>		PC25	☞ F0124					
1× III: 1p	<a href="#">o0982192</a>							
<b>2(N59)</b>		PC25	☞ F0125					
1× III: 1p	<a href="#">o0982193</a>							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
3(N59)	PC25						
18× III: 11p/7u	<a href="#">o0982194</a>	F0126					
4(N59)	PC25						
3× III: 2p/1u	<a href="#">o0982195</a>	F0127					
6(N59)	PC25						
3× III: 3p	<a href="#">o0982196</a>	F0128					
7(N59)	PC25						
1× III: 1p	<a href="#">o0981906</a>	F2537					
1(N60)	ACN						
4× III: 4p	<a href="#">o0982198</a>	125E9					
3(N61)	PC25						
1×	<a href="#">o0982199</a>	F0129					
4(N62)	PC25						
1× III: 1p	<a href="#">o0982200</a>	F012A					
1(N63)	NUM						
2× III: 2u	<a href="#">o0982201</a>	F012B					
1(N57).AB <sub>2</sub>	UNP						
1×	III: 1u	<a href="#">o0982202</a>	F228F				
2(N57).AB <sub>2</sub>	PC25-sq						
1×	IV: 1p	<a href="#">o0982203</a>	ZATU014	F2290			
3(N57).AMAR	PC25-sq						
2×	III: 1p/1u	<a href="#">o0982204</a>	F2291				
4(N57).AMAR	PC25-sq						
1×	III: 1p	<a href="#">o0982205</a>	F2292		F2292		
3(N57).AZ	PC25-sq						
3×	III: 3p	<a href="#">o0982206</a>	12BEE_126C2				
3(N57).BAR×UŠ~a	ZERO						
		<a href="#">o0982207</a>	F2293				F2293
3(N57).BARA <sub>3</sub>	UNP						
1×	III: 1u	<a href="#">o0982208</a>	F2294				
2(N57).BIR <sub>3~a</sub>	PC25-sq						
1×	III: 1p	<a href="#">o0982209</a>	F2295				F2295
1(N57).BU <sub>3</sub>	PC25-sq						
1×	III: 1p	<a href="#">o0982210</a>	12BEC_126EE				
1(N57).E <sub>2~a</sub>	ZERO						
		<a href="#">o0982211</a>	F2296				F2296
3(N57).E <sub>2~b</sub>	UNP						
1×	III: 1u	<a href="#">o0982212</a>	F2220				
1×	III: 1u	<a href="#">o0982213</a>	1 F2221				
3(N57).EN <sub>2</sub>	PC25-sq						
6×	III: 6p	<a href="#">o0982213</a>	12BEE_1278D				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
X(N57).GAR  AKA:  N(N57).GAR  CDLI:  x(N57).GAR  1x III: 1p o0982214	PC25-sq	 F24CB				 F24CB	
3(N57).GAR  2x III: 2p o0982215	PC25-sq	 F2297				 F2297	
4(N57).GAR  5x III: 5p o0982216	PC25-sq	 F2298				 F2298	
5(N57).GAR  8x III: 8p o0982217	PC25-sq	 F2299				 F2299	 F2299
6(N57).GAR  4x III: 3p/1u o0982218	PC25-sq	 F229A				 F229A	 F229A
7(N57).GAR  1x o0982219	PC25-sq	 12BF2_127EF					
4(N57).KU <sub>3</sub> ~a  11x III: 11p o0982220	PC25-sq	 F229B				 F229B	
5(N57).KU <sub>3</sub> ~a  4x III: 4p o0982221	PC25-sq	 F229C				 F229C	
6(N57).KU <sub>3</sub> ~a  2x III: 2p o0982222	PC25-sq	 F229D				 F229D	
2(N57).KU <sub>6</sub> ~a  1x III: 1p o0982223	PC25-sq	 F229E					
1(N57).MUŠEN  AKA:  MUŠEN×1(N57)  CDLI:  MUŠEN×1(N57)  5x III: 4p o0982224	PC25-sq	 12BEC_12924					
2(N57).MUŠEN  AKA:  MUŠEN×2(N57)  CDLI:  MUŠEN×2(N57)  27x IV: 1p; III: 20p/1u o0982225	PC25-sq	 12BED_12924				 F22A1	
3(N57).MUŠEN  AKA:  MUŠEN×3(N57)  CDLI:  MUŠEN×3(N57)  1x III: 1p o0982226	PC25-sq	 F22A2				 F22A2	
3(N57).NUNUZ-a1  23x III: 20p/3u o0982227 ZATU424	PC25-sq	 F22A3					
3(N57).NUNUZ-c  2x III: 1p/1u o0982228 ZATU424	PC25-sq	 F22A4					
3(N57).PIRIG-b1  35x IV: 1p/1u; III: 25p/8u o0982229 ZATU429	PC25-sq	 F22A5		 F22A5	 F22A5		
3(N57).SANGA~a  1x III: 1p o0982230	PC25-sq	 12BEE_129A3					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
3(N57).SI  2x III: 2p	PC25-sq o0982231	≡ 12BEE_129AC					
1(N57).SIG  AKA:  SIG>1(N57)  CDLI:  SIG>1(N57)  1x IV: 1p	PC25-sq o0982232	— F22A6	—				
2(N57).SU~a  1x IV: 1u	UNP o0982233	— F22A7	—				
1(N57).ŠAH₂~a  4x III: 4p	PC25-sq o0982234	— F22A8	— F22A8	— F22A8			
1(N57).ŠUBUR  40x IV: 7p/1u; III: 22p/10u	PC25-sq o0982235 ZATU540	— F221E — F221F 1	— F221E — F221F	— F221F — F221F		— F221F	
2(N57).ŠUBUR  2x III: 2p	PC25-sq o0982236	— F22A9	— F22A9	— F22A9			
3(N57).ŠUBUR  3x III: 3p	PC25-sq o0982237 ZATU540	≡ F22AA	≡ F22AA	≡ F22AA			
3(N57).UDU~a  o0982238 ZATU577	ZERO	≡ ⊕ F22AB				≡ ⊕ F22AB	
2(N57).UDUNITA~a  o0982239	ZERO	— ⊕ F22AC				— ⊕ F22AC	
3(N57).UDUNITA~a  o0982240	ZERO	≡ ⊕ F22AD				≡ ⊕ F22AD	

## B ZATU-PCSL Concordance

ZATU001	॥ A	ZATU036	ASAR	ZATU069	DAR~a;  DAR~b;
ZATU002	A×EN~a	ZATU037	— 1(N57)	ZATU070	DAR~c;  DAR~d
ZATU003	A×ŠUBUR	ZATU038	AZ	ZATU071	DARA <sub>3</sub> ~a;  DARA <sub>3</sub> ~b;
ZATU004	A×1(N14)	ZATU039	AZU	ZATU072	DARA <sub>3</sub> ~c;  DARA <sub>3</sub> ~d
ZATU005	A×ZATU672	ZATU040	BA	ZATU073	DARA <sub>3</sub> ~c×KAR <sub>2</sub>  ;
ZATU006	A <sub>2</sub>	ZATU041	BAD	ZATU074	DARA <sub>3</sub> ~d×KAR <sub>2</sub> ~b ;
ZATU007	AB~a;  AB~b	ZATU042	BAD&BAD	ZATU075	DARA <sub>4</sub> ~a1;  DARA <sub>4</sub> ~a2;
ZATU008	AB~b×A	ZATU043	1(N58).BAD ;	ZATU076	DARA <sub>4</sub> ~a3;  DARA <sub>4</sub> ~b;
ZATU009	AB~a×AŠ <sub>2</sub>	ZATU044	BAD <sub>3</sub> ~a;  BAD <sub>3</sub> ~b1;	ZATU077	DARA <sub>4</sub> ~c;  DARA <sub>4</sub> ~c1;
ZATU010	AB~a×ZATU659		BAD <sub>3</sub> ~b2	ZATU078	DARA <sub>4</sub> ~c2;  DARA <sub>4</sub> ~c3;
ZATU011	AB~a@g	ZATU045	BAHAR <sub>2</sub> ~a;	ZATU079	DARA <sub>4</sub> ~c4;  DARA <sub>4</sub> ~c5;
ZATU012	AB <sub>2</sub>		BAHAR <sub>2</sub> ~b;	ZATU080	DARA <sub>4</sub> +BAD+BAD
ZATU013	AB <sub>2</sub> ×2(N14)		BAHAR <sub>2</sub> ~c	ZATU081	reread in ATU 3 p.154
ZATU014	2(N57).AB <sub>2</sub>	ZATU046	BALA~a;  BALA~b	ZATU082	W20421,2 = Lú Vorläufer
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.	ZATU047	BALAG	ZATU083	(Tf.23) O0305 as RI <sub>8</sub> ~a?
ZATU015	ABGAL	ZATU048	BAN~a;  BAN~b	ZATU084	DARA <sub>4</sub> ~b.
ZATU016	ABRIG	ZATU049	BANŠUR~a;	ZATU085	DI
ZATU017	ABZU		BANŠUR~b1;	ZATU086	DIB
ZATU018	AD~a;  AD~b;  AD~c		BANŠUR~b2;	ZATU087	DILMUN
ZATU019	ADAB	ZATU050	BAPPIR~a;  BAPPIR~b;	ZATU088	DIM~a;  DIM~b;
ZATU020	ADDA		BAPPIR~c;  BAPPIR~d;	ZATU089	DIM~c
ZATU021	NINDA <sub>2</sub> ×(1(N06).HI@g~a)	ZATU051	BAPPIR~e;  BAPPIR~f	ZATU090	DIN
ZATU022	AGAR <sub>2</sub>	ZATU052	BAR	ZATU091	DIN@t
ZATU023	AK~a;  AK~b	ZATU053	BARA <sub>3</sub>	ZATU092	1(N58)
ZATU024	AL	ZATU054	BIR~a;  BIR~b;	ZATU093	DU
ZATU025	ALAN~a;  ALAN~b;		BIR~c	ZATU094	DU <sub>6</sub> ~a;  DU <sub>6</sub> ~b;  DU <sub>6</sub> ~c
	ALAN~c;  ALAN~d;	ZATU055	BIR <sub>3</sub> ~a;  BIR <sub>3</sub> ~b;	ZATU095	DU <sub>6</sub> ~d;
	ALAN~e		BIR <sub>3</sub> ~c	ZATU096	BIR <sub>3</sub> ~e;  DUB~f;
ZATU026	ALIM	ZATU056	BU~a;  BU~b	ZATU097	DUB~h
ZATU027	AM~a;  AM~b	ZATU057	BU~a×A	ZATU098	(DUB@n~a×1(N58))~a ;
ZATU028	AMA~a;  AMA~b	ZATU058	(BU~a&BU~a).NA <sub>2</sub> ~a ;	ZATU099	(DUB@n~a×1(N58))~b ;
ZATU029	AMAR		(BU~a&BU~a).NA <sub>2</sub> ~b	ZATU100	DUB@n~b×1(N58)~a
ZATU030	AMAR×TAR~c	ZATU059	BU~a+DU <sub>6</sub> ~a	ZATU101	DUG~a;  DUG~b;
ZATU031	AN	ZATU060	BU <sub>3</sub>	ZATU102	DUG~c;  DUG~d
ZATU032	ANŠE~a;  ANŠE~b;	ZATU061	BULUG	ZATU103	DUG~b×AB <sub>2</sub>
	ANŠE~c;  ANŠE~e;	ZATU062	BULUG <sub>3</sub>	ZATU104	DUG~b×ANŠE~b ;
	ANŠE~f	ZATU063	BUR~a;  BUR~b;  BUR~c;	ZATU105	DUG~b×ANŠE~d
ZATU033	APIN~a;  APIN~b;		BUR~d	ZATU106	DUG~a×1(N57) ;
	APIN~c	ZATU064	BUR <sub>2</sub>	ZATU107	DUG~b×1(N57) ;
ZATU034	ARARMA <sub>2</sub> ~a;	ZATU065	DA~a;  DA~b;	ZATU108	DUG~c×1(N57)
	ARARMA <sub>2</sub> ~b		DA~c;  DA~d	ZATU109	DUG~b×(1(N57).KU <sub>3</sub> ~a)
ZATU035	ARATTA	ZATU066	DAH	ZATU110	DUG~b×BA
		ZATU067	DAM	ZATU111	DUG~b×BALA~a
		ZATU068	DANNA	ZATU112	DUG~b×BIR <sub>3</sub> ~c
				ZATU113	DUG~b×DIN

ZATU097	DUG~b×GA~a ;  DUG~b×GA~b	ZATU132	E~a;  E~b	ZATU167	GA <sub>2</sub> ~a1×GIR~a
ZATU098	DUG~b×GEŠTU~a ;  DUG~b×GEŠTU~b	ZATU133	EDIN	ZATU168	GA <sub>2</sub> ~a1×GIŠ@t
ZATU099	DUG~b×Gl	ZATU134	EN~a;  EN~b; EN~c;  EN~e	ZATU169	GA <sub>2</sub> ~a2×(ŠE <sub>3</sub> .GU <sub>4</sub> )
ZATU100	DUG~b×GIŠ	ZATU135	NUN~a+EN~a ;  NUN~a+EN~b ;  NUN~a+EN~d ;  NUN~b+EN~a	ZATU170	GA <sub>2</sub> ~a1×HI
ZATU101	DUG~b×HI	ZATU136	ZATU EN+UDU(?) read in CDLI as X in hapax ATU 1, 342=P001563 ATU 5, pl. 104, W 9656,es i 1.	ZATU171	GA <sub>2</sub> ~a1×(HI.SUHUR)
ZATU102	DUG~b×HI@g~a	ZATU137	EN@g~a;  EN@g~b	ZATU172	GA <sub>2</sub> ~a1×KU <sub>3</sub> ~a ;  GA <sub>2</sub> ~b×KU <sub>3</sub> ~a
ZATU103	DUG~a×KASKAL ;  DUG~b×KASKAL	ZATU138	EN <sub>2</sub>	ZATU173	GA <sub>2</sub> ~a1×KU <sub>6</sub> ~a ;  GA <sub>2</sub> ~b×KU <sub>6</sub> ~a
ZATU104	DUG~a×KU <sub>6</sub> ~a ;  DUG~b×KU <sub>6</sub> ~a	ZATU139	ENDIB	ZATU174	GA <sub>2</sub> ~a1×(KU <sub>6</sub> ~a+KU <sub>6</sub> ~a)
ZATU105	DUG~b×KUR~a ;  DUG~b×KUR~b	ZATU140	ENGIZ	ZATU175	LAGAB~b×KUR~e
ZATU106	DUG~a×LAM~b ;  DUG~b×LAM~a	ZATU141	ENKUM	ZATU176	GA <sub>2</sub> ~a1×MAŠ
ZATU107	DUG~b×KUR@g~a	ZATU142	ENLIL	ZATU177	GA <sub>2</sub> ~a1×NAGA~a
ZATU108	DUG~b×MAŠ	ZATU143	ERIM~a;  ERIM~b1; ERIM~b2	ZATU178	GA <sub>2</sub> ~a2×NI~a ;  GA <sub>2</sub> ~a2×NI~b
ZATU109	DUG~a×NAGA~a ;  DUG~b×NAGA~a	ZATU144	ERIM <sub>2</sub>	ZATU179	GA <sub>2</sub> ~a1×SUHURI ;  GA <sub>2</sub> ~a2×SUHURI
ZATU110	DUG~b×SA~a	ZATU145	ERIN	ZATU180	GA <sub>2</sub> ~a1×SUKUDI
ZATU111	DUG~b×(SA~a.GI)	ZATU146	3(N57)	ZATU181	GA <sub>2</sub> ~a1×SUMAŠ
ZATU112	DUG~b×SI <sub>4</sub> ~a	ZATU147	ESDA	ZATU182	GA <sub>2</sub> ~a1×1(N14)
ZATU113	DUG~b×SIG <sub>2</sub> ~a1 ;  DUG~b×SIG <sub>2</sub> ~a2	ZATU148	ESDA×TAR~a	ZATU183	GA <sub>2</sub> ~a1×U <sub>4</sub>
ZATU114	DUG~b×SIG <sub>7</sub>	ZATU149	ESGAR	ZATU184	GA'AR~a1;  GA'AR~a2; GA'AR~b1;  GA'AR~b2
ZATU115	DUG~b×SUHUR	ZATU150	EZEN~a;  EZEN~b; EZEN~b@t;  EZEN~c	ZATU185	ZATU737×BUR~a
ZATU116	DUG~b×SUKUD~d	ZATU151	EZEN~a×EN~a ;  EZEN~a×EN~b	ZATU186	GADA~a;  GADA~b
ZATU117	DUG~b×ŠAH <sub>2</sub> ~a	ZATU152	EZEN~a×KAB	ZATU187	GADA~b@g
ZATU118	DUG~b×ŠE~a	ZATU153	EZEN~a×NIM~b2	ZATU188	GAL~a;  GAL~b
ZATU119	DUG~b×(ŠE~a.NAM <sub>2</sub> )	ZATU154	EZEN~a×NIMGIR	ZATU189	GALGA~a;  GALGA~b
ZATU120	DUG~b×TAK <sub>4</sub> ~a	ZATU155	EZEN~a×RAD~a	ZATU190	GAN~a;  GAN~b; GAN~c
ZATU121	DUG~b×TII	ZATU156	EZEN~a×SU~a	ZATU191	GAN~c×(HI.DIN)
ZATU122	DUG~a×U <sub>2</sub> ~a ;  DUG~a×U <sub>2</sub> ~b ;  DUG~b×U <sub>2</sub> ~a ;  DUG~b×U <sub>2</sub> ~b	ZATU157	EZEN~a×(U <sub>2</sub> ~b.A)	ZATU192	GAN~c×LAGAB~b
ZATU123	DUG~b×UH <sub>3</sub> ~a	ZATU158	EZINU~a;  EZINU~b; EZINU~c;  EZINU~d	ZATU193	GAN~c×NE~a
ZATU124	DUG~b×ZATU764	ZATU159	GA~a;  GA~b; GA~c	ZATU194	GAN~c×ŠE~a
ZATU125	DUGUD	ZATU160	GA~c×1(N14)	ZATU195	GAN <sub>2</sub>
ZATU126	DUR~a;  DUR~b	ZATU161	GA~a.ZATU753	ZATU196	GAR
ZATU127	DUR <sub>2</sub>	ZATU162	GA <sub>2</sub> ~a1;  GA <sub>2</sub> ~a2; GA <sub>2</sub> ~a3;  GA <sub>2</sub> ~a4; GA <sub>2</sub> ~b;  GA <sub>2</sub> ~c	ZATU197	GAR@g~a;  GAR@g~b; GAR@g~c
ZATU128	E~a;  E~b;  E~c;  E~d	ZATU163	ZATU762~b×AB~a	ZATU198	GAR <sub>3</sub>
ZATU129	E <sub>2</sub> ~a;  E <sub>2</sub> ~b;  E <sub>2</sub> ~c; E <sub>2</sub> ~d	ZATU164	GA <sub>2</sub> ~a1×1(N57)	ZATU199	GARA <sub>2</sub> ~a;  GARA <sub>2</sub> ~b
ZATU130	KUR~a.E <sub>2</sub> ~a ; KUR~b.E <sub>2</sub> ~a	ZATU165	Only in UET II as BAU328 =  GA <sub>2</sub> ×(1(N58).BAD) .	ZATU200	GAZI
ZATU131	E <sub>2</sub> ~a×1(N58@t); E <sub>2</sub> ~b×1(N58@t)	ZATU166	GA <sub>2</sub> ~b×DUB~a ;  GA <sub>2</sub> ~b×DUB~b	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×SIG <sub>2</sub> ~d1 ;
				ZATU206	(GI&GI)×ŠE <sub>3</sub>
				ZATU207	GI×GIŠ@t
				ZATU208	GI×LAGAB~a

ZATU209	GI×NAM₂	ZATU243	GUM~a;  GUM~b	ZATU282	KALAM~a;  KALAM~b; KALAM~c;  KALAM~d; KALAM~e;  KALAM~f; KALAM~g; KALAM~h; KALAM~h₂
ZATU210	GI×SIG₂~d₁	ZATU244	GUM~b@n	ZATU283	KAR
ZATU211	GI×1(N14)	ZATU245	GUN₃~a;  GUN₃~b	ZATU284	KAR₂~a;  KAR₂~b
ZATU212	GI₄~a;  GI₄~b	ZATU246	GUR	ZATU285	KASKAL
ZATU213	GI₆	ZATU247	GURUŠ~a;  GURUŠ~b	ZATU286	KAŠ~a;  KAŠ~b; KAŠ~d
ZATU214	GIBIL	ZATU248	GURUŠ~a×2(N14) ;  GURUŠ~b×2(N14) ;  GURUŠ~c×2(N14)	ZATU287	KAŠ~c
ZATU215	GIBIL₂	ZATU249	GURUŠDA	ZATU288	KAŠ~b×ŠE~a@t
ZATU216	GIR~a;  GIR~b;  GIR~c; GIR~d	ZATU250	HAL	ZATU289	KI
ZATU217	KU₆~d	ZATU251	HALUB	ZATU290	KIB
ZATU218	GIR₂~a;  GIR₂~b	ZATU252	HAŠHUR	ZATU291	KID~a;  KID~b; KID~c;  KID~d; KID~e
ZATU219	GIR₃~a;  GIR₃~b; GIR₃~c	ZATU253	HAŠHUR×MA	ZATU292	KIN
ZATU220	GIR₃~a×ŠE~b	ZATU254	HI;  HI~b	ZATU293	KIN₂~a;  KIN₂~b;  KIN₂~c; KIN₂~d;  KIN₂~e
ZATU221	GIR₃@g~a; GIR₃@g~b;  GIR₃@g~c	ZATU255	HI×1(N57@t)	ZATU294	KINGAL
ZATU222	GISAL~a;  GISAL~b	ZATU256	HI.SUHUR	ZATU295	KISAL~a₁;  KISAL~a₂; KISAL~b₁;  KISAL~b₂; KISAL~b₃
ZATU223	GIŠ	ZATU257	HI×ZATU707~a	ZATU296	KISIM~a;  KISIM~b; KISIM~c
ZATU224	(GIŠ×(DIN.DIN))~a ;  (GIŠ×(DIN.DIN))~b ;  (GIŠ×(DIN.DIN))~c	ZATU258	HI@g~a;  HI@g~b; HI@g~c	ZATU297	KIŠ
ZATU225	(GIŠ×ŠU₂)~a ;  (GIŠ×ŠU₂)~b	ZATU259	I	ZATU298	KIŠIK~a;  KIŠIK~b
ZATU226	GIŠ.TE	ZATU260	IB~a;  IB~b;  IB~c	ZATU299	KITI
ZATU227	GIŠ@t	ZATU261	IDIGNA	ZATU300	KU~a;  KU~b₁;  KU~b₂
ZATU228	GIŠ₃~a;  GIŠ₃~b	ZATU262	IL	ZATU301	KU₃~a;  KU₃~c
ZATU229	GIŠGAL	ZATU263	ILDUM~a;  ILDUM~b	ZATU302	KU₆~a;  KU₆~c
ZATU230	GIŠIMMAR~a₁; GIŠIMMAR~a₂; GIŠIMMAR~a₃; GIŠIMMAR~b₁; GIŠIMMAR~b₂; GIŠIMMAR~b₃	ZATU264	IM~a;  IM~b	ZATU303	KU₆~a+KU₆~a
ZATU231	GIZZAL~v	ZATU265	IN~b	ZATU304	KUR~a;  KUR~b; KUR~c;  KUR~d
ZATU232	GU	ZATU266	IN~d	ZATU305	KUŠU~a;  KUŠU~b; KUŠU~c;  KUŠU~d; KUŠU~e;  KUŠU~f
ZATU233	GU₂	ZATU267	IR~a;  IR~b;  IR~c; IR~d	ZATU306	LA~b;  LA~c;  LA~d
ZATU234	GU₄	ZATU268	IR₁₁	ZATU307	LA₂
ZATU235	GU₇	ZATU269	IRHAN	ZATU308	LAGAB~a;  LAGAB~b
ZATU236	GUB₃~a;  GUB₃~b; GUB₃~c;  GUB₃~d	ZATU270	IŠ~a;  IŠ~b;  IŠ~c	ZATU309	LAGAB~b×BANŠUR~a
ZATU237	GUG₂	ZATU271	KA~a	ZATU310	LAGAB~a×DU₆~a
ZATU238	GUG₂×SILA₃~a	ZATU272	Read as sequence KA GI.	ZATU311	LAGAB~b×GA'AR~a₁
ZATU239	GUG₂×TUR	ZATU273	KA~a×SAR~a	ZATU312	LAGAB~b×HII
ZATU240	GUKKAL~a; GUKKAL~b; GUKKAL~c; GUKKAL~d	ZATU274	KA~a.ŠE~a	ZATU313	LAGAB~a×KU₆~a
ZATU241	GUJKAL~a.HI@g~a	ZATU275	KA₂~a;  KA₂~b; KA₂~c	ZATU314	LAGAB~a×KUŠU~a@t
ZATU242	GUL	ZATU276	KA₂~d×LAM~b	ZATU315	LAGAB~a×ME~a
		ZATU277	KAB		
		ZATU278	KAB×1(N58)		
		ZATU279	KAD₄~a;  KAD₄~b; KAD₄~c₁;  KAD₄~c₂		
		ZATU280	KAK~a;  KAK~b		
		ZATU281	KAL~a;  KAL~b₁; KAL~b₂		

ZATU316	LAGAB~a×NUN~b	ZATU356	ZATU  MAŠ+GAN₂  read as MAŠ GAN₂ in CDLI-tc	ZATU391	NE~a;  NE~b; NE~c;  NE~d
ZATU317	LAGAB~a×PA~a ;  LAGAB~b×PA~a	ZATU357	MAŠ₂	ZATU392	NERGAL~v
ZATU318	LAGAB~a×ŠA	ZATU358	ME~a;  ME~b	ZATU393	NI~a;  NI~b
ZATU319	LAGAB~a×ŠITA~a	ZATU359	ME₃	ZATU394	NI~a@g
ZATU320	LAGAB~a×2(N14)	ZATU360	MEN~a;  MEN~b	ZATU395	See new copy of ATU 1, 143 in P001212=ATU 5, pl. 054, W 9335.i.
ZATU321	LAGAB~a×ZATU753	ZATU361	MES	ZATU396	NI₂
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	ZATU397	NIGIN
ZATU323	LAGAR~a; LAGAR~b₁; LAGAR~b₂;  LAGAR~c	ZATU363	MU	ZATU398	NIM~a;  NIM~b₁; NIM~b₂;  NIM~b₃; NIM~d
ZATU324	LAHTAN₂	ZATU364	MUD	ZATU399	NIMGIR
ZATU325	LAL₂~a;  LAL₂~b	ZATU365	MUD₃~a;  MUD₃~b; MUD₃~c;  MUD₃~d	ZATU400	NIN
ZATU326	LAL₂~a×EZEN~a	ZATU366	MUD₃~a@g	ZATU401	NINDA₂
ZATU327	LAL₃~a;  LAL₃~b	ZATU367	MUL	ZATU402	NINDA₂×BA
ZATU328	LAM~a;  LAM~b	ZATU368	MUN~a₁;  MUN~a₂; MUN~a₃;  MUN~a₄; MUN~b	ZATU403	NINDA₂×EZEN~b
ZATU329	KUR@g~a;  KUR@g~b; LAM~b@s	ZATU369	MUNSUB~a; MUNSUB~b	ZATU404	NINDA₂×GAR
ZATU330	LI	ZATU370	MUNU₃	ZATU405	NINDA₂×GIŠ
ZATU331	> LIS	ZATU371	MURUB₂	ZATU406	NINDA₂×(AN.ME~a) ;  NINDA₂×(HI.AN.ME~a) ;  NINDA₂×(HI.ME~a) ;  NINDA₂×GUDU₄
ZATU332	LU₂	ZATU372	ZATU MURUB₃ read ME~a EN~b LAGR~b₁ in hapax P000849=ATU 1, 480=ATU 5 pl. 17, W 6855, i 1, i.e.,  ŠITA~b₂@g×HI@g~a	ZATU407	NINDA₂×HI
ZATU333	LU₂×GEŠTU~c₃	ZATU373	MUŠ	ZATU408	NINDA₂×MAR~a ;  NINDA₂×MAR~b
ZATU334	LUGAL	ZATU374	MUŠ₃~a;  MUŠ₃~b	ZATU409	NINDA₂×U₄
ZATU335	LUM	ZATU375	MUŠ₃~a@g	ZATU410	NINDA₂×(UDU~a×TAR~a) ;  NINDA₂×(UDU~a×TAR~b)
ZATU336	MA	ZATU376	MUŠEN	ZATU411	EZEN~b×6(N57) ;  NINDA₂×1(N01) ;  NINDA₂×2(N01) ;  NINDA₂×1(N08)
ZATU337	MA×A	ZATU377	MUŠEN.UR₃~b₂	ZATU412	NINKUM
ZATU338	MA×MA	ZATU378	NA~a;  NA~b;  NA~c; NA~d	ZATU413	NINLIL
ZATU339	MA₂	ZATU379	NA₂~a;  NA₂~b₁; NA₂~b₂;  NA₂~c	ZATU414	NIR~a;  NIR~b
ZATU340	MAGUR~a;  MAGUR~b	ZATU380	* NAB	ZATU415	NIR~a×AN
ZATU341	MAH~a;  MAH~b	ZATU381	NAGA~a;  NAGA~b	ZATU416	ZATU570  NESAG₂~a; NESAG₂~a₂; NESAG₂~b
ZATU342	MAH~a×GUKKAL~a	ZATU382	NAGAR~a;  NAGAR~b	ZATU417	NU
ZATU343	MAH~a×KU₆~a ;  MAH~b×KU₆~a	ZATU383	NAM~a;  NAM~b; NAM~c;  NAM~d	ZATU418	NU@g
ZATU344	MAH~a×MAŠ ;  MAH~b×MAŠ	ZATU384	NAM₂	ZATU419	NU₁₁
ZATU345	MAH~b×SAL	ZATU385	NAM₂×1(N01)	ZATU420	NUMUN₂
ZATU346	MAH~a×(SILA₃~a×UMBIN~a)	ZATU386	NAM₂@g	ZATU421	NUN~a;  NUN~b; NUN~c;  NUN~d
ZATU347	MAH~a×TUG₂~a	ZATU387	NAMEŠDA	ZATU422	NUN~a+A
ZATU348	MAH~a×UD₅~a	ZATU388	NANNA~a; NANNA~b		
ZATU349	MAH~a×UDU~a	ZATU389	AB~a×KU₆~a ; NANŠE~a;  NANŠE~b		
ZATU350	MAH~a×UR~a	ZATU390	NAR		
ZATU351	MAH~a×UTUA~a				
ZATU352	MAR~a;  MAR~b				
ZATU353	MAR~b×(LAGAB~b.ŠE₃)				
ZATU354	MAR~b×ŠE~a				
ZATU355	+ MAŠ	ZATU390			

ZATU423	;  	ZATU456	 	ZATU491	
ZATU424	 	ZATU457		ZATU492	
ZATU425		ZATU458		ZATU493	
ZATU426		ZATU459		ZATU494	  
ZATU427		ZATU460, ZATU472	   	ZATU495	   
ZATU428	  	ZATU461		ZATU496	
ZATU429		ZATU462, ZATU469	  	ZATU497	
ZATU430		ZATU463		ZATU498	
ZATU431		ZATU464		ZATU499	
ZATU432		ZATU465		ZATU500	
ZATU433		ZATU466		ZATU501	 
ZATU434		ZATU467	  	ZATU502	
ZATU435		ZATU468		ZATU503	 
ZATU436		ZATU469	see ZATU462	ZATU504	
ZATU437		ZATU470		ZATU505	Delete, W 14777,e = P002181 now read GAL~a ŠAB~a AL.
ZATU438	  	ZATU471	 	ZATU506	
ZATU439		ZATU472	see ZATU460	ZATU507	
ZATU440		ZATU473		ZATU508	 
ZATU441		ZATU474	 	ZATU509	 
ZATU442		ZATU475		ZATU510	
ZATU443		ZATU476	 	ZATU511	 
ZATU444	 	ZATU477		ZATU512	
ZATU445	 	ZATU478		ZATU513	
ZATU446		ZATU479	Delete, W 16012,b+ = P002571 now read UDU ŠITA.	ZATU514	
ZATU447		ZATU480		ZATU515	
ZATU448		ZATU481	 	ZATU516	
ZATU449		ZATU482	 	ZATU517	Delete, W 17586 = P002625 now read as 1(N01) KU3.
ZATU450	 	ZATU483		ZATU518	
ZATU451		ZATU484		ZATU519	
ZATU452	     	ZATU485		ZATU520	
ZATU453		ZATU486		ZATU521	  
ZATU454		ZATU487		ZATU522	
ZATU455		ZATU488		ZATU523	
		ZATU489		ZATU524	
		ZATU490		ZATU525	
				ZATU526	
				ZATU527	  
				ZATU528	

ZATU529	ŠITA~a1×KAK~a	ZATU563	TUR <sub>3</sub> ~a;  TUR <sub>3</sub> ~b;	ZATU598	JURU~a1×AMAR
ZATU530	ŠITA@g~a;  ŠITA@g~b		TUR <sub>3</sub> ~c	ZATU599	JURU~a3×KALAM~a
ZATU531	ŠITA@g~a×1(N04)	ZATU564	• 1(N14)	ZATU600	JURU~a1×NIMGIR
ZATU532	ŠU	ZATU565	U <sub>2</sub> ~a;  U <sub>2</sub> ~b;  U <sub>2</sub> ~c	ZATU601	JURU~a1×1(N57) ;
ZATU533	ŠU@g	ZATU566	U <sub>4</sub>		JURU~a2×1(N58) ;
ZATU534	ŠU <sub>2</sub>	ZATU567	KI@n×DUB~a	ZATU602	URUDU~a;  URUDU~c;
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>		URUDU~d
ZATU536	ŠU <sub>2</sub> .EN~a ;	ZATU569	U <sub>4</sub> ×1(N01)	ZATU603	URUDU@g~a;
	ŠU <sub>2</sub> .EN~b	ZATU570	see ZATU416		URUDU@g~b;
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.	ZATU571	U <sub>8</sub>		URUDU@g~c;
ZATU538	ŠU <sub>12</sub>	ZATU572	UB		URUDU@g~d
ZATU539	ŠUBUR	ZATU573	UBI~a;  UBI~c;	ZATU604	UŠ~a;  UŠ~b
ZATU540	1(N57).ŠUBUR ;		UBI~d	ZATU605	UŠ~b×TAR~c
	3(N57).ŠUBUR	ZATU574	UD <sub>5</sub> ~a;  UD <sub>5</sub> ~b;	ZATU606	• 1(N02)
ZATU541	ŠUM		UD <sub>5</sub> ~c	ZATU607	UŠUMGAL
ZATU542	ŠUNIGIN taken as DA in CDLI.	ZATU575	UDU~a;  UDU~b;	ZATU608	UŠUR <sub>3</sub> ~b1;  UŠUR <sub>3</sub> ~b2
ZATU543	ŠUR <sub>2</sub> ~a;  ŠUR <sub>2</sub> ~b;		UDU~c	ZATU609	UTUA~a;  UTUA~b
	ŠUR <sub>2</sub> ~c	ZATU576	UDU~a×TAR~a ;	ZATU610	UTUL~a;  UTUL~b;
ZATU544	ŠURUPPAK~a;		UDU~a×TAR~b		UTUL~c;  UTUL~d
	ŠURUPPAK~b	ZATU577	3(N57).UDU~a	ZATU611	UZ~a
ZATU545	TA~a;  TA~b;	ZATU578	UDUNITA~a;	ZATU612	ZA~v
	TA~c;  TA~d;		UDUNITA~b;	ZATU613	ZABALAM~a;
	TA~e		UDUNITA~c		ZABALAM~b
ZATU546	= 2(N57)	ZATU579	UH <sub>3</sub> ~a;  UH <sub>3</sub> ~b	ZATU614	SILA <sub>3</sub> ~a×NUN~b
ZATU547	TAG~a1;  TAG~a2;	ZATU580	UKKIN~a;  UKKIN~b;	ZATU615	ZAG~a;  ZAG~b;
	TAG~a3;  TAG~a4;		UKKIN~c;  UKKIN~d		ZAG~c
	TAG~b;  TAG~c;	ZATU581	UMBIN~a;  UMBIN~b1;	ZATU616	ZAR~a;  ZAR~b1;
	TAG~d		UMBIN~b2;  UMBIN~c		ZAR~b2;  ZAR~c
ZATU548	TAK <sub>4</sub> ~a;  TAK <sub>4</sub> ~c	ZATU582	UMUN <sub>2</sub>	ZATU617	ZI~a;  ZI~b;  ZI~d
ZATU549	TAR~a	ZATU583	UNUG~a;  UNUG~b;	ZATU618	• 1(N04)
ZATU550	TE		UNUG~c	ZATU619	ZUBI~a;  ZUBI~b
ZATU551	TI	ZATU584	UNUG~a×A@t	ZATU620	ZATU620
ZATU552	TIDNUM	ZATU585	UNUG~a@s	ZATU621	ZATU621~a;
ZATU553	TILLA <sub>2</sub>	ZATU586	UR~a;  UR~b;  UR~c		ZATU621~b;
ZATU554	TU~a;  TU~b;	ZATU587	UR~a@g		ZATU621~c;
	TU~c	ZATU588	UR <sub>2</sub>		ZATU621~d
ZATU555	TUG <sub>2</sub> ~a;  TUG <sub>2</sub> ~b;	ZATU589	UR <sub>2</sub> ×1(N57)	ZATU622	ZATU622
	TUG <sub>2</sub> ~c;  TUG <sub>2</sub> ~d	ZATU590	UR <sub>2</sub> ×TAR~c	ZATU623	ZATU623
ZATU556, ZATU558	TUG <sub>2</sub> ~a.BAD&BAD	ZATU591	UR <sub>3</sub> ~a1;  UR <sub>3</sub> ~a2;	ZATU624	ZATU624~a;
ZATU557	TUG <sub>2</sub> ~a@g		UR <sub>3</sub> ~a3;  UR <sub>3</sub> ~b1;		ZATU624~b;
ZATU558	see ZATU556		UR <sub>3</sub> ~b2;  UR <sub>3</sub> ~d2	ZATU625	ZATU625
ZATU559	Damaged, identification uncertain, possibly KAB.	ZATU592	UR <sub>4</sub> ~a;  UR <sub>4</sub> ~b;  UR <sub>4</sub> ~c	ZATU626	ZATU626~a;
ZATU560	TUM~a;  TUM~b;	ZATU593	UR <sub>5</sub> ~a;  UR <sub>5</sub> ~b		ZATU626~b;
	TUM~c;  TUM~d	ZATU594	URI		ZATU626~c
ZATU561	TUN <sub>3</sub> ~a;  TUN <sub>3</sub> ~b;	ZATU595	URI <sub>3</sub> ~a;  URI <sub>3</sub> ~b	ZATU627	ZATU627
	TUN <sub>3</sub> ~c	ZATU596	URI <sub>5</sub>	ZATU628	ZATU628~a;
ZATU562	TUR	ZATU597	URU~a1;  URU~a2;		ZATU628~b
			URU~b1;  URU~b2;	ZATU629	ZATU629
			URU~c	ZATU630	ZATU630
				ZATU631	ZATU631

ZATU632	ZATU632~a; ZATU632~b;  ZATU632~c	ZATU676	ZATU676~a; ZATU676~b	ZATU710	ZATU710
ZATU633	ZATU633~a; ZATU633~b	ZATU677	ZATU677~a; ZATU677~b	ZATU711	ZATU711
ZATU634	ZATU634	ZATU678	ZATU678	ZATU712	ZATU711×HI@g~a
ZATU635	ZATU635	ZATU679	ZATU679	ZATU713	ZATU713
ZATU636	ZATU636	ZATU680	ZATU680~a1; ZATU680~a2; ZATU680~b; ZATU680~d; ZATU680~e	ZATU714	ZATU714
ZATU637	ZATU637			ZATU715	ZATU714×HI@g~a
ZATU639	ZATU639			ZATU716	ZATU714.RU
ZATU640	ZATU640			ZATU717	□ ZATU717
ZATU641	ZATU641			ZATU718	└ ZATU718
ZATU642	ZATU642			ZATU719	▨ ZATU719
ZATU643	ZATU643			ZATU720	▨ ZATU720
ZATU644	← ZATU644~a; ← ZATU644~b			ZATU721	== ZATU721
ZATU645	← ZATU644~a×1(N14)			ZATU722	→ ZATU722
ZATU646	← ZATU646			ZATU723	▷ ZATU723
ZATU647	◀ ZATU647			ZATU724	→ ZATU724
ZATU648	ZATU648			ZATU725	→ ZATU725
ZATU649	ZATU649			ZATU726	▨ ZATU726~a; ▨ ZATU726~c; ▨ ZATU726~d
ZATU650	ZATU650			ZATU727	▨ ZATU727
ZATU651	ZATU651			ZATU728	▨ ZATU728
ZATU652	ZATU651×AN			ZATU729	▨ ZATU729
ZATU653	ZATU651×EN~a			ZATU730	▨ ZATU730
ZATU654	ZATU651×GAR			ZATU732	▨ ZATU732
ZATU655	ZATU651×MA			ZATU733	▨ ZATU733
ZATU656	ZATU651×NUN~a			ZATU734	▨ ZATU734
ZATU657	ZATU651×ŠE~a			ZATU735	▨ ZATU735~a;  ZATU735~b;
ZATU658	ZATU651@g			ZATU736	▨ ZATU736~a; ▨ ZATU736~b
ZATU659	◀ ZATU659			ZATU737	▨ ZATU737
ZATU660	◀ ZATU659×1(N58@t)			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×U4
ZATU670	ZATU670			ZATU748	▨ ZATU737×UNUG~a
ZATU671	Damaged, identification uncertain.			ZATU749	▨ ZATU749~a; ZATU749~b; ZATU749~c
ZATU672	ZATU672			ZATU750	▨ ZATU750
ZATU674	ZATU674			ZATU751	▨ ZATU751~a;  ZATU751~b
ZATU675	ZATU675~a; ZATU675~b; ZATU675~c; ZATU675~d			ZATU752	▨ ZATU752
				ZATU753	▨ ZATU753
				ZATU754	▨ ZATU754

ZATU755	ZATU755~a; ZATU755~b	ZATU787	ZATU787	ZATU824	ZATU824
ZATU756	ZATU756	ZATU788	ZATU788	ZATU825	ZATU825
ZATU757	ZATU757	ZATU789	ZATU789	ZATU826	ZATU826
ZATU758	ZATU758	ZATU790	Vacat.	ZATU827	Vacat.
ZATU759	ZATU759	ZATU791	ZATU791	ZATU828	Vacat.
ZATU760	ZATU759×KU6~a ;  ZATU759×KU6~d	ZATU792	ZATU792	ZATU829	ZATU829
ZATU761	ZATU761	ZATU793	Vacat.	ZATU830	Vacat.
ZATU762	ZATU762~a; ZATU762~b	ZATU794	Vacat.	ZATU831	ZATU831
ZATU763	ZATU762~a×NIM~a	ZATU795	ZATU795	ZATU832	ZATU832
ZATU764	ZATU764	ZATU796	Vacat.	ZATU833	ZATU833
ZATU765	ZATU765	ZATU797	ZATU797	ZATU834	ZATU834
ZATU766	ZATU766	ZATU798	ZATU798	ZATU835	ZATU835
ZATU767	ZATU767	ZATU799	ZATU799	ZATU836	ZATU836
ZATU768	ZATU768	ZATU800	ZATU800	ZATU837	ZATU837~a; ZATU837~b
ZATU769	ZATU769	ZATU801	ZATU801	ZATU838	ZATU838
ZATU770	Damaged; ATU 833 = ATU 1, 442 = P001011 ATU 5, pl. 034, W 9071,h; excluded from CDLI list.	ZATU802	ZATU802; ZATU802~b	ZATU839	ZATU839
ZATU771	ZATU771	ZATU803	ZATU803	ZATU840	ZATU840
ZATU772	ZATU772	ZATU804	ZATU804	ZATU841	ZATU841
ZATU773	ZATU773~a; ZATU773~b	ZATU805	ZATU805	ZATU842	ZATU842
ZATU774	ZATU774	ZATU806	ZATU806	ZATU843	ZATU843
ZATU775	ZATU775	ZATU807	ZATU807	ZATU844	ZATU844
ZATU776	ZATU776	ZATU808	ZATU808	ZATU845	ZATU845
ZATU777	ZATU777	ZATU809	ZATU809	ZATU846	ZATU846
ZATU778	ZATU778	ZATU810	ZATU810	ZATU847	ZATU847
ZATU779	ZATU779	ZATU811	ZATU811	ZATU848	ZATU848
ZATU780	ZATU780	ZATU812	ZATU812	ZATU849	ZATU849
ZATU781	ZATU781	ZATU813	ZATU813	ZATU850	ZATU850
ZATU782	ZATU782	ZATU814	ZATU814	ZATU851	ZATU851
ZATU783	ZATU783	ZATU815	ZATU815	ZATU852	ZATU852
ZATU784	ZATU784	ZATU816	Vacat.	ZATU853	ZATU853
ZATU785	ZATU785	ZATU817	ZATU817	ZATU854	ZATU854
ZATU786	ZATU786	ZATU818	ZATU818	ZATU855	ZATU855
		ZATU819	ZATU819	ZATU856	ZATU856
		ZATU820	ZATU820	ZATU857	ZATU857
		ZATU821	ZATU821	ZATU858	ZATU858
		ZATU822	ZATU822	ZATU859	ZATU859
		ZATU823	ZATU823		ZATU859

## C Index of Alternate CDLI Sign Names

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

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

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

x(N57).GAR	>  X(N57).GAR	EZEN~a+KI	=  EZEN~a×KI
AMAR×TAR	=  AMAR×TAR~c	EZEN~a×(HI.1(N57).AN)	=  EZEN~a×(HI×1(N57).AN)
AMAR×TAR	>  AMAR×TAR~c	EZEN~a×(HI.1(N57).AN)	>  EZEN~a×(HI×1(N57).AN)
AMAR@g	> AMAR@g	EZEN~b@t	> EZEN~b@t
APIN	= APIN~a	GA <sub>2</sub> ~a×E <sub>2</sub> ~a	=  GA <sub>2</sub> ~a1×E <sub>2</sub> ~a
AŠ	= 1(N57)	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)
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)~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 <sub>3</sub> ~a	= BU <sub>3</sub>	GA <sub>2</sub> ~a1×(SUKUD&SUKUD)~b	=  GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~b)
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×(GU <sub>4</sub> .ŠE <sub>3</sub> )	>  GA <sub>2</sub> ~a2×(ŠE <sub>3</sub> .GU <sub>4</sub> )
DIN+1(N57)	=  DIN×1(N58)	GA <sub>2</sub> ~a2×NIM~b1	=  GA <sub>2</sub> ~a1×NIM~b1
DIŠ	= 1(N58)	GA <sub>2</sub> ~a2×NIM~b1	>  GA <sub>2</sub> ~a1×NIM~b1
DU×DIŠ	=  DU×1(N58@t)	GABURRA	=  ZATU737×BUR~a
DU×DIŠ	>  DU×1(N58@t)	( GI+&GI)×ŠE <sub>3</sub>	>  ( GI&GI)×ŠE <sub>3</sub>
DU <sub>6</sub> ~a×DIŠ	=  DU <sub>6</sub> ~a×1(N58)	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>8</sub> @g~c	= DU <sub>8</sub> ~c@g	GI×1(N58)@t	>  GI×1(N58@t)
( DUB×DIŠ)~a	=  ( DUB@n~a×1(N58))~a	GI <sub>6</sub> ~a	= GI <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)~b	=  DUB@n~b×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	GI <sub>3</sub> ~c@g	= GI <sub>3</sub> @g~c
( 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> ~a	>  (GIŠ×ŠU <sub>2</sub> )~a
*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×ŠU <sub>2</sub> ~b	>  (GIŠ×ŠU <sub>2</sub> )~b
DUG~b@r×DIN	=  ( DUG~b×DIN) @r	GIŠ~x	> GIŠ~v
E <sub>2</sub>	= E <sub>2</sub> ~a	GIZZAL~x	> GIZZAL~v
E <sub>2</sub> ~a×1(N57)@t	=  E <sub>2</sub> ~a×1(N58@t)	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> ~b×1(N57)@t	=  E <sub>2</sub> ~b×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)
EN	= EN~a	GUG <sub>2</sub> ~a	= GUG <sub>2</sub>
EN~a+NUN~b	=  NUN~b+EN~a	GURUŠDA~a	= GURUŠDA
EN~a+NUN~a	=  NUN~a+EN~a	HI×1(N01)F	>  HI×1(N01@f)
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)@t	>  HI×1(N57@t)
EŠDA×TAR	>  EŠDA×TAR~a	( HI×1(N57))&( HI+1(N57))	>  ( HI×1(N57)).(HI×1(N57))
EZEM~b×AN	= BAD <sub>3</sub> ~b2	HI~a	= HI
EZEM~c	= EZEN~b@t	HI@g	= HI@g~a
EZEN~c	= EZEN~b@t	HI~a@g	= HI@g~a

IB~a@n	> IB~a@n	SAG+GEŠTU~a	=  SAG×GEŠTU~a
KA₂×LAM	=  KA₂~d×LAM~b	SAG+NAM₂	=  SAG×NAM₂
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	ŠEN~d×A	=  ŠEN~e×A
MAR@g~a	= MAR~a@g	ŠEN~d×A	>  ŠEN~e×A
MAŠNITA	= MAŠ₂	ŠITA~a	= ŠITA~a1
MUD₃@g	= MUD₃~a@g	ŠITA~b1×HI@g~a	=  ŠITA~b2@g×HI@g~a
MUŠEN×1(N57)	=  1(N57).MUŠEN	ŠITA~b1×HI@g~a	>  ŠITA~b2@g×HI@g~a
MUŠEN×1(N57)	>  1(N57).MUŠEN	ŠU₂.((HI+1(N57))+(HI+1(N57)))	=  ŠU₂.(HI×1(N57))&(HI×1(N57))
MUŠEN×2(N57)	=  2(N57).MUŠEN	ŠU₂.((HI+1(N57))+(HI+1(N57)))	>  ŠU₂.(HI×1(N57))&(HI×1(N57))
MUŠEN×2(N57)	>  2(N57).MUŠEN	ŠU₂+AN	=  ŠU₂.AN
MUŠEN×3(N57)	=  3(N57).MUŠEN	ŠU₂×AN	=  ŠU₂.AN
MUŠEN×3(N57)	>  3(N57).MUŠEN	ŠU₂×1(N24)	=  ŠU₂.1(N24)
1(N58).BAD~a	>  1(N58).BAD	ŠU₂×3(N57)	=  ŠU₂×3(N57)
1(N58).BAD~a	=  1(N58).BAD	TE~a	= TE
BAD+DIŠ~a	=  1(N58).BAD	TI~a	= TI
1(N58).BAD~b	=  (1(N58).BAD)~b	TUG₂~a.(BAD&BAD)	>  TUG₂~a.BAD&BAD
1(N58).BAD~b	>  (1(N58).BAD)~b	TUKU	= KAB
NA	= NA~a	TUKU+DIŠ	=  KAB×1(N58)
NAGA	= NAGA~a	TUR₃~a@n	> TUR₃~a@n
NERGAL~x	> NERGAL~v	U₄.(1(N14).3(N08))	>  U₄.1(N14).3(N08)
NINDA₂×(HI+ME~a)	=  NINDA₂×(HI.ME~a)	U₄.(1(N14).4(N08))	>  U₄.1(N14).4(N08)
NINDA₂×(HI@g~a.1(N06))	=  NINDA₂×(1(N06).HI@g~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×((UDU~a+TAR)~b)	=  NINDA₂×(UDU~a×TAR~b)	( U₄+1(N14)).1(N08)	=  U₄.1(N14).1(N08)
NINDA₂×((UDU~a×TAR)~a)	=  NINDA₂×(UDU~a×TAR~a)	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))
NISAG~a3	= NESAG₂~a2	U₄×1(N01)F	>  U₄×1(N01@f)
NU₁₁@t	> NU₁₁@t	U₄×2(N01).(2(N14).1(N08))	>  U₄×2(N01).2(N14).1(N08)
NUNUZ~a1@n	= NUNUZ~a0	U₄×(1(N14).3(N01)).(1(N14).4(N08))	=  U₄×(1(N14).3(N01)).1(N14).4(N08)
NUNUZ~a1@t	> NUNUZ~a1@t	U₄×1(N58)@t	=  U₄×1(N58@t)
PAP@t	= PAP~a@t	U₄×1(N58)@t	>  U₄×1(N58@t)
RAD~a@t	> RAD~a@t	( U₈×TAR)~b	>  U₈×TAR~b
RU~a	= RU	UDU	= UDU~a
RU@t	> RU@t	( UDU~a×TAR)~a	>  UDU~a×TAR~a

(UDU~a×TAR)~b	>  JUDU~a×TAR~b	2(N29~a)	= 2(N29A)
UET₂.405	> BAU405	1(N29~b)	= 1(N29B)
UR	= UR~a	1(N29A~b)	= 1(N29AB)
UR~a×KAR₂	=  UR~a×KAR₂~b	2(N29A~b)	= 2(N29AB)
UR~a×KAR₂	>  UR~a×KAR₂~b	1(N29A~c)	= 1(N29AC)
UR₂×TAR	=  UR₂×TAR~c	1(N30~a)	= 1(N30A)
UR₂×TAR	>  UR₂×TAR~c	1(N30~b)	= 1(N30B)
URU~a1+1(N58)	=  URU~a2×1(N58)	1(N30~c)	= 1(N30C)
URU~a1@n	> URU~a1@n	1(N30~d)	= 1(N30D)
ZA~x	> ZA~v	1(N30~e)	= 1(N30E)
ZABALA~a	= ZABALAM~a	1(N30A~c)	= 1(N30AC)
ZATU659×1(N58)@t	=  ZATU659×1(N58@t)	1(N30C~a)	= 1(N30CA)
ZATU659×1(N58)@t	>  ZATU659×1(N58@t)	1(N30C~c)	= 1(N30CC)
ZATU683@t	> ZATU683@t	1(N34@f@t)	> 1(N34@f@t)
ZATU737×ŠITA@g~a	>  ZATU737×ŠITA~b1@g	1(N39~a)	= 1(N39A)
ZATU741	=  ZATU737×GAR	2(N39~a)	= 2(N39A)
ZATU831@g	> ZATU831@g	3(N39~a)	= 3(N39A)
1(N01@r)	> 1(N01@r)	4(N39~a)	= 4(N39A)
1(N07~a)	= 1(N07A)	1(N39~b)	= 1(N39B)
2(N07~a)	= 2(N07A)	2(N39~b)	= 2(N39B)
3(N07~a)	= 3(N07A)	3(N39~b)	= 3(N39B)
1(N07~b)	= 1(N07B)	4(N39~b)	= 4(N39B)
2(N07~b)	= 2(N07B)	1(N42~a)	= 1(N42A)
3(N07~b)	= 3(N07B)	2(N42~a)	= 2(N42A)
1(N24')	= 1(N24)	3(N42~a)	= 3(N42A)
1(N24")	= 1(N24)	4(N42~a)	= 4(N42A)
1(N24~a)	= 1(N24A)	2(N42~b)	= 2(N42B)
1(N24~b)	= 1(N24B)	1(N45~a)	= 1(N45A)
1(N26~b)	= 1(N26B)	1(N58)@t	= 1(N58@t)
1(N28~b)	= 1(N28B)	1(N58@t)	> 1(N58@t)
1(N28~c)	= 1(N28C)	2(N57).DU₆~a@n	= X₂
1(N29)	= 1(N29A)	N(N57).GAR	=  X(N57).GAR
1(N29~a)	= 1(N29A)	8(N57).NI~b	>  NI~b×8(N57)

## D PCSL Non-PC25

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

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

CDLI	MusNo	Time	Place	Pub	Missing
P003163	IM 133666	Uruk IV	Uruk	-	SILA <sub>3</sub> ~a×HI@g~a
P003251	IM 064851	Uruk IV	Uruk	-	GA <sub>2</sub> ~a1×(HI.SUHUR)   GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~a)
P003252	IM 064852	Uruk IV	Uruk	-	ZATU634
P003403	IM 065104	Uruk IV	Uruk	-	HI×ZATU707~a
P003406	IM 065106	Uruk III	Uruk	-	GIBIL@t
P003407	IM 065107	Uruk IV	Uruk	-	URUDU@g~b
P003433	IM 065115	Uruk IV	Uruk	-	MAH~b×KU <sub>6</sub> ~a
P003436	IM 065116	Uruk IV	Uruk	-	E~d
P003488	IM —	Uruk IV	Uruk	-	KAB×1(N58)
P003541	IM —	Uruk III	Uruk	-	SAG×1(N14)
P003543	IM —	Uruk III	Uruk	-	GA <sub>2</sub> ~a2×NI-b
P003798	IM —	Uruk IV	Uruk	-	SILA <sub>3</sub> ~a×HI@g~a
P003809	IM —	Uruk III	Uruk	-	GALGA-b
P003839	IM 134421	Uruk III	Uruk	-	LU <sub>2</sub> ×GEŠTU~c3
P003977	IM 073483	Uruk IV	Uruk	-	SIG <sub>2</sub> ~b×1(N14)
P003997	IM 134508	Uruk IV	Uruk	-	LAGAB~b×BANŠUR~a   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
P004228	IM 074288	Uruk IV	Uruk	-	KA <sub>2</sub> ~c  LAL <sub>2</sub> ~a×EZEN~a

CDLI	MusNo	Time	Place	Pub	Missing
P004230	IM 134695	Uruk IV	Uruk	-	EN~c&EN~c
P004312	IM 074296	Uruk III	Uruk	-	ZUBI~b
P004328	IM 134845	Uruk III	Uruk	-	ZATU651~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~a1(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
P006035	MS 2393	Uruk III	Umma	-	UH ZATU826

CDLI	MusNo	Time	Place	Pub	Missing
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
P006072	MS 2504	Uruk III	Umma	-	 ZATU821
P006077	MS 2509	Uruk III	Umma	-	 NUNUZ~a1@t

CDLI	MusNo	Time	Place	Pub	Missing
P006082	MS 2514	Uruk III	Umma	-	  ZATU737×E~a
P006083	MS 2515	Uruk III	Umma	-	 ZATU822
P006098	MS 2677	Uruk III	Umma	-	 A@t
P006105	MS 2684	Uruk III	Umma	-	 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
P006255	MS 2998	Uruk III	Umma	-	  BU~a×1(N58)
P006262	MS 3008	-	uncertain		 EN~e TUR <sub>3</sub> ~a@n

CDLI	MusNo	Time	Place	Pub	Missing
P006263	MS 3009	-	uncertain		 ZATU842
P006270	MS 4162	Uruk III	Umma	-	 ZATU838
P006272	MS 3880	Uruk III	Umma	-	 ZATU839
P006275	MS 3883	Uruk III	Umma	-	 NESAG <sub>2</sub> ~a2  ZATU737xI
P006278	MS 3886	Uruk III	Umma	-	 SUM~a@t ZATU838
P006282	MS 4461	Uruk III	Umma	-	 ŠITA~a1xŠU <sub>2</sub>
P006284	MS 4463	Uruk III	Umma	-	  AB~b×SA <sub>3</sub> ~a1
P006288	MS 4485	Uruk IV	uncertain	-	  UR <sub>3</sub> ~b1xMAŠ  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> ~a1xNIM~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~a1xGU <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
P006319	MS 4539	Uruk III	Umma	-	  BU~a×GIŠ@t
P006323	MS 4543	Uruk III	Umma	-	  TA~d×MAŠ

CDLI	MusNo	Time	Place	Pub	Missing
P006324	MS 4551	Uruk III	Umma	-	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						
CDLI:  AMAR@g		F240B					
1× IV: 1p	o0980057						
(BU~a&BU~a).X	PC25-bk						
1×	o0980124	F240F					
DU <sub>8</sub> ~c×X	ZERO						
	o0980198	F2411					
DUG~b×BA	ZERO						
	o0980226	ZATU093	F252E				
DUG~b×(KUR~a.X)	PC25-bk						
1× III: 1p	o0980243	F2415		F2415			
DUG~b×(SI <sub>4</sub> ~a.X)	PC25-bk						
1× III: 1p	o0980254	F2417		F2417			
DUG~b×X	PC25-bk						
		1 F20BC					
128× IV: 3p; III: 108p	o0980272	F20BB					
EZEN~a×X	PC25-bk						
2× IV: 1p	o0980349	F241F					
GA~a×X	ZERO						
	o0980360	F24F7					
GA <sub>2</sub> ~a1×X <sub>1</sub>	PC25-bk						
1× III: 1p	o0982286	F2529					F2529
GA <sub>2</sub> ~a2×X	PC25-bk						
1× III: 1p	o0980410	F2429					
GA <sub>2</sub> ~a3×X	PC25-bk						
1× IV: 1p	o0980413	F242A					
GAN~c×X	PC25-bk						
3× IV: 1p; III: 1p	o0980447	F242F					
GI×X	UNP						
1×	o0980480	F2433					
(GI&GI)×X	ZERO						
	o0980486	F2435					F2435
IRHAN	PC25-bk						
1×	III: 1p	o0980617	ZATU269	F243E			

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

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

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

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DAR~d	UNP						
1x o0980150 ZATU069		F2410					
DU <sub>6</sub> ~a@n	ZERO						
o0980187		F253A					
DUB~b@r	UNP						
1x o0980202		F252B					
DUG~a×KASKAL	UNP						
1x o0980214 ZATU103		F2412					
DUG~a×LAM~b	UNP						
1x o0980216 ZATU106		F2413					
DUG~b×E~a	UNP						
1x o0980231		F2414					
DUG~b×(NI~a@g.ZATU779)	UNP						
1x o0980250		F2416					
DUG~b×SUKUD~d	UNP						
1x o0980259 ZATU116		F252C					
DUG~b×ZATU707~a	UNP						
1x o0980273		F2418					
DUG~b×3(N57)	UNP						
1x o0980281		F2419					
E~d	UNP						
1x o0980295 ZATU128		F241A					
E <sub>2</sub> ~a×3(N58)	UNP						
1x o0980299		F241B					
EN~c&EN~c	UNP						
1x o0980313		F241C					
EN~e	UNP						
1x o0980314 ZATU134		F241D					
EZEN~a×EN~a	UNP						
1x o0980335 ZATU151		F2420					
EZEN~a×SAG	UNP						
1x o0980345		F241E					
GA <sub>2</sub> ~a1×EN~a	UNP						
4x o0980368		F2527					
GA <sub>2</sub> ~a1×(HI.SUHUR)	UNP						
1x o0980379 ZATU171		F2421					
GA <sub>2</sub> ~a1×NAGA~a	UNP						
1x 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		F2423					
1x o0980386							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~a)	UNP						
AKA:  GA <sub>2</sub> ~a1×(SUKUD&SUKUD)~a  CDLI:  GA <sub>2</sub> ~a1×((SUKUD&SUKUD)~a)  1× o0980393		F2424					
GA <sub>2</sub> ~a1×((SUKUD+SUKUD)~b)	UNP						
AKA:  GA <sub>2</sub> ~a1×(SUKUD&SUKUD)~b  CDLI:  GA <sub>2</sub> ~a1×((SUKUD&SUKUD)~b)  1× o0980394		F2425					
GA <sub>2</sub> ~a2×NI~b	UNP						
1× o0980406 ZATU178	ZATU178	F2428					
GA <sub>2</sub> ~a2×3(N57)	UNP						
1× o0980411		F2543					
GA <sub>2</sub> ~b×KU <sub>3</sub> ~a	UNP						
1× o0980418 ZATU172	ZATU172	F242B					
GA <sub>2</sub> ~b×NUN~b	UNP						
1× o0980420		F252F					
GADA~b	UNP						
1× o0980428 ZATU186	ZATU186	F242C					
GALGA~b	UNP						
3× o0980433 ZATU189	ZATU189	F242D					
GAN~c×NE~a	UNP						
3× o0980443 ZATU193	ZATU193	F242E					
GAN~c×ŠE~a	UNP						
4× o0980445 ZATU194	ZATU194	F2430					
GAN~c×ŠE <sub>3</sub> @t	UNP						
1× o0980446		F2431					
GARA <sub>2</sub> ~b	UNP						
2× o0980460 ZATU199	ZATU199	F2432					
(GI&GI)×ŠE <sub>3</sub>	UNP						
CDLI:  (GI+&GI)×ŠE <sub>3</sub>   2× o0980485 ZATU206	ZATU206	F2434					
GI <sub>4</sub> ~a&GI <sub>4</sub> ~a	UNP						
1× o0980491		F2436					
GIBIL@t	UNP						
1× o0980496		F2437					
GIR~d	UNP						
1× o0980505 ZATU216	ZATU216	F2438					
GIR <sub>2</sub> ~b	ZERO						
o0980507 ZATU218	ZATU218	F2439					
GIR <sub>3</sub> ~c×KAR <sub>2</sub> ~b	UNP						
AKA:  GIR <sub>3</sub> ~c×KAR <sub>2</sub>   CDLI:  GIR <sub>3</sub> ~c×KAR <sub>2</sub>   3× o0980512		F243A					

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
LAGAB~a×LAGAB~a	UNP	◎ F244C	◎				
1× o0980736							
LAGAB~a×NI~a	UNP	◎○ F2520	◎○				
1× o0980738							
LAGAB~a×SI	UNP	◎○ F244D	◎○				
3× o0980741							
LAGAB~b×BANSUR~a	UNP	☒ F244E	☒				
1× o0980755 ZATU309							
LAGAB~b×GA'AR~a1	UNP	☒○ F244F	☒○				
1× o0980756 ZATU311							
LAGAB~b×(HI×1(N04))	UNP	☒○ F251F	☒○				
AKA:  LAGAB~b×(HI×N04)  1× o0980758							
LAGAB~b×SUH <sub>3</sub>	UNP	☒○ F2450	☒○				
1× o0980762							
LAL <sub>2</sub> ~a×EZEN~a	UNP	☒○ F2451	☒○				
1× o0980781 ZATU326							
LAM~b@s	UNP	☒○ F2452	☒○				
1× o0980791 ZATU329							
LU <sub>2</sub> ×GEŠTU~c3	UNP	☒○ F2453	☒○				
1× o0980797 ZATU333							
MAH~b×KU <sub>6</sub> ~a	UNP	☒○ F2455	☒○				
1× o0980826 ZATU343							
MAH~b×MAŠ	UNP	☒○ F2456	☒○				
1× o0980827 ZATU344							
MUŠEN×PAP~a	UNP	☒○ F2506	☒○				
1× o0980874							
NA~d	UNP	☒○ F2459	☒○				
1× o0980883 ZATU378							
NESAG <sub>2</sub> ~a2	UNP	☒○ F2531	☒○				
AKA: NISAG~a3 1× o0980914 ZATU416							
NESAG <sub>2</sub> ~b@t	UNP	☒○ F245A	☒○				
1× o0980916							
NI~a×1(N57)	ZERO	☒○ F245B	☒○				
o0980919							
NIM~d	UNP	☒○ F2532	☒○				
1× o0980931 ZATU398							
NINDA <sub>2</sub> ×BA	UNP	☒○ F245E	☒○				
1× o0980939 ZATU402							
NINDA <sub>2</sub> ×(UDU~a×TAR~a)	UNP	☒○ F2461	☒○				
AKA:  NINDA <sub>2</sub> ×((UDU~a×TAR~a))  CDLI:  NINDA <sub>2</sub> ×((UDU~a×TAR~a))  1× o0980958 ZATU410							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NINDA <sub>2</sub> ×(UDU~a×TAR~b)	UNP						
AKA:  NINDA <sub>2</sub> ×((UDU~a+TAR)~b)							
1× o0980959	ZATU410						
NUMUN <sub>2</sub>	UNP						
2× o0980980	ZATU420						
NUNUZ~a1@t	UNP						
CDLI:  NUNUZ~a1@t							
2× o0980994							
NUNUZ~b2	UNP						
1× o0980997	ZATU423						
PIRIG~b1×UR <sub>2</sub>	UNP						
2× o0981012							
PIRIG~b1×1(N58@t)	ZERO						
o0981013							F2528
RAD~a@t	UNP						
CDLI:  RAD~a@t							
2× o0981019							
RU@t	ZERO						
CDLI:  RU@t							
o0981025							
SAG×GEŠTU~c	UNP						
1× o0981032	ZATU438						
SAG~1(N14)	UNP						
1× o0981037	ZATU440						
SIG~b	UNP						
2× o0981074	ZATU451						
SIG@g	UNP						
1× o0981075							
SIG <sub>2</sub> ~b×1(N14)	UNP						
3× o0981081	ZATU453						
SILA <sub>3</sub> ~a×GEŠTU~c5	UNP						
1× o0981102	ZATU462 ZATU469						
SILA <sub>3</sub> ~a×HI@g~a	UNP						
2× o0981105	ZATU465						
SILA <sub>3</sub> ~a×1(N58)	UNP						
1× o0981130	ZATU481						
SILA <sub>3</sub> ~c	UNP						
1× o0981137	ZATU456						
SILA <sub>3</sub> ~c×ŠU	UNP						
1× o0981138	ZATU476						
SILA <sub>3</sub> ~d×NI~a	UNP						
2× o0981140	ZATU460						
(SUKUD+SUKUD)~d	UNP						
3× o0981165	ZATU494						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SUKUD@h	UNP						
1×	<a href="#">o0981170</a>	F251C					
SUM~a@t	UNP						
CDLI:  SUM~a@t		F2476					
1×	<a href="#">o0981172</a>						
ŠIDIM@t	UNP						
1×	<a href="#">o0981224</a>	F2477					
ŠITA~a1×ŠU <sub>2</sub>	UNP						
1×	<a href="#">o0981232</a>	F2478					
ŠITA~a1×UDU~a	UNP						
5×	<a href="#">o0981233</a>	F2479					
ŠITA~a1×1(N06)	UNP						
3×	<a href="#">o0981234</a>	F247A					
ŠITA@g~a×1(N04)	UNP						
1×	<a href="#">o0981244</a>	ZATU531	F247B				
ŠU <sub>2</sub> ×3(N57)	UNP						
AKA:  ŠU <sub>2</sub> ×3(N57)		F251D					
1×	<a href="#">o0981265</a>						
ŠUR <sub>2</sub> ~c	UNP						
2×	<a href="#">o0981272</a>	ZATU543	F2534				
TA~d×MAŠ	UNP						
1×	<a href="#">o0981280</a>	F247C					
TUG <sub>2</sub> ~d	UNP						
1×	<a href="#">o0981311</a>	ZATU555	F247D				
TUR <sub>3</sub> ~a@n	UNP						
CDLI:  TUR <sub>3</sub> ~a@n		F247E					
1×	<a href="#">o0981325</a>						
U <sub>4</sub> ×(1(N14).3(N01))	UNP						
1×	<a href="#">o0981373</a>	F253D					
U <sub>4</sub> ×2(N14)	ZERO					F2485	
	<a href="#">o0981377</a>	F2485					
UDU~b	UNP						
1×	<a href="#">o0981405</a>	ZATU575	F2486				
UH	UNP						
1×	<a href="#">o0981410</a>	F2487					
UKKIN~d	UNP						
1×	<a href="#">o0981426</a>	ZATU580	F2535				
UR~a×KAR <sub>2</sub> ~b	UNP						
AKA:  UR~a×KAR <sub>2</sub> ~b		F2489					
CDLI:  UR~a×KAR <sub>2</sub> ~b							
1×	<a href="#">o0981438</a>						
UR <sub>3</sub> ~b1×MAŠ	UNP						
1×	<a href="#">o0981449</a>	F248A					
UR <sub>3</sub> ~d2	UNP						
1×	<a href="#">o0981451</a>	ZATU591	F2536				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
URU~a1×GU <sub>4</sub>	UNP						
1×	<a href="#">o0981466</a>	F248B					
URU~a1@n	UNP						
CDLI:  URU~a1@n		F248D					
1×	<a href="#">o0981475</a>						
URUDU@g~b	UNP						
1×	<a href="#">o0981486</a>	ZATU603	F248E				
ZUBI~b	UNP						
1×	<a href="#">o0981525</a>	ZATU619	F221C 1 F221D		F221D		
ZATU624~c	UNP						
1×	<a href="#">o0981535</a>	ZATU624	F248F				
ZATU627	UNP						
1×	<a href="#">o0981540</a>	ZATU627	F2490				
ZATU632~c	UNP						
1×	<a href="#">o0981548</a>	ZATU632	F2491				
ZATU634	UNP						
1×	<a href="#">o0981551</a>	ZATU634	F2492				
ZATU644~a×1(N14)	UNP						
1×	<a href="#">o0981561</a>	ZATU645	F2494				
ZATU651×ŠE~a	UNP						
1×	<a href="#">o0981574</a>	ZATU657	F2497				
ZATU659@t	UNP						
1×	<a href="#">o0981582</a>		F2542				
ZATU683@t	UNP						
CDLI:  ZATU683@t							
1×	<a href="#">o0981613</a>		F2499				
ZATU694~e	ZERO						
	<a href="#">o0981633</a>	ZATU694	F252A				
ZATU697~c	UNP						
2×	<a href="#">o0981638</a>	ZATU697	F249A				
ZATU699~a	UNP						
1×	<a href="#">o0981639</a>	ZATU699	F249B				
ZATU737×E~a	UNP						
1×	<a href="#">o0981690</a>		F24A1				
ZATU737×I	UNP						
1×	<a href="#">o0981694</a>		F251B				
ZATU737@t×PAP~a	UNP						
1×	<a href="#">o0981705</a>		F251A				
ZATU759×KU <sub>6</sub> ~d	UNP						
1×	<a href="#">o0981724</a>	ZATU760	F24A3				
ZATU761	UNP						
1×	<a href="#">o0981727</a>	ZATU761	F24A6				

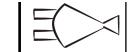
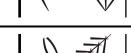
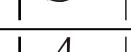
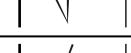
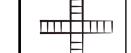
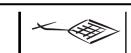
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU779	ZERO						
o0981747	ZATU779	F24AA					
ZATU789	ZERO						
o0981757	ZATU789	F24AC					
ZATU805	UNP						
2x	o0981770	ZATU805	F24AD				
ZATU814	UNP						
1x	o0981779	ZATU814	F24AE				
ZATU815	UNP						
1x	o0981780	ZATU815	F24AF				
ZATU820	UNP						
1x	o0981784	ZATU820	F24B2				
ZATU821	UNP						
7x	o0981785	ZATU821	F24B3				
ZATU822	UNP						
1x	o0981786	ZATU822	F24B4				
ZATU823	UNP						
3x	o0981787	ZATU823	F24B5				
ZATU824	UNP						
2x	o0981788	ZATU824	F24B6				
ZATU825	UNP						
2x	o0981789	ZATU825	F24B7				
ZATU826	UNP						
2x	o0981790	ZATU826	F24B8				
ZATU829	UNP						
1x	o0981791	ZATU829	F24B9				
ZATU831	UNP						
2x	o0981792	ZATU831	F24BA				
ZATU831@g	UNP						
CDLI:  ZATU831@g							
2x	o0981793		F24BB				
ZATU837-a	UNP						
3x	o0981799	ZATU837	F24BC				
ZATU837-b	UNP						
1x	o0981800	ZATU837	F24BD				
ZATU838	UNP						
3x	o0981801	ZATU838	F24BE				
ZATU839	UNP						
6x	o0981802	ZATU839	F2218 1 F2219				
ZATU840	UNP						
1x	o0981803	ZATU840	F24BF				

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

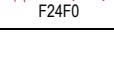
## G PC25 Not Encoded: ED I-II not in Sub-corpus

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	F24F2				
A@g o0980007	EDI	F24CC	F24CC				
ALAN~f o0980046	EDI	F24CD	F24CD				
ANZU <sub>2</sub> o0980064	EDI	F222B	F222B				
ASAL <sub>2</sub> o0980072	EDI	F24CE	F24CE				
BAU405 CDLI:  UET <sub>2</sub> .405  o0980108	EDI	F24EF	F24EF				
DAG o0980142	EDI	F24CF	F24CF				
DIM~a×GU  o0980175	EDI	F24F3	F24F3				
DIM~a×X  o0980176	EDI	F24F4	F24F4				
DUG~a×HI  o0980213	EDI	F24F5	F24F5				
DUG~a×X  o0980220	EDI	F24F6	F24F6				
E~e o0980296	EDI	F24D0	F24D0				
ENSI o0980324	EDI	F224D	F224D				
ENSI <sub>2</sub> o0980325	EDI	F2256	F2256				
EZEN~a×LA~e  o0980341	EDI	F20CF F20CE	F20CF F20CE				
GA <sub>2</sub> ~a1×GU <sub>4</sub>   o0980376	EDI	F24F8	F24F8				
GA <sub>2</sub> ~a1×NUN~a  o0980387	EDI	F24F9	F24F9				
GA <sub>2</sub> ~a1×X  o0980399	PC25-bk	F2426	F2426	F2426	F2426		
13× IV: 4p; III: 8p							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GAN~d	EDI o0980450	 F24D2					
GAN~d×HI	EDI o0980452	 F24FA					
GEŠTIN~c	EDI o0980463	 F24D3					
GEŠTIN~c×X	EDI o0980464	 F24FB					
GIG	EDI o0980498	 F223C					
GIL	EDI o0980499	 F24D4					
GIR <sub>4</sub>	EDI o0980517	 F24D5					
GIŠ~v	EDI	 F24D6					
CDLI: GIŠ~x							
o0980527							
GIŠ@t.E <sub>2</sub> ~a	EDI o0980529	 F2242					
HI×ŠE <sub>3</sub> @t	EDI o0980582	 F24FE					
HI×1(N01@f)	EDI	 F24FD					
CDLI:  HI×1(N01)F							
o0980584							
HUB <sub>2</sub>	EDI o0980593	 F24D7					
IGI	EDI o0980602	 F24D8					
IM~a@g	EDI o0980607	 F24D9					
KA <sub>2</sub> ~d	EDI o0980627	 F24DA					
KEŠ <sub>2</sub>	EDI o0980661	 F24DB					
KU~a@t	EDI o0980694	 F24DC					
KUN	EDI o0980706	 F24DD					
LA~e	EDI o0980725	 F24DE					
LAGAB~b×SI	EDI o0980761	 F2501					
LAGAB~b×ŠITA~c	EDI o0980763	 F2500					

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SAG×LAM~c  o0981033	EDI	 F250C					
SAG×SAR~a  o0981036	EDI	 F250D					
SIKIL o0981092	EDI	 F225C					
SILA <sub>3</sub> ~a×DUG~b  o0981097	EDI	 F250E					
SILA <sub>3</sub> ~b×DUG~a  o0981132	EDI	 F250F					
(SUKUD+SUKUD)~c  o0981164	EDI	 F2510		 F2510 (o)			
ŠITA~c o0981242	EDI	 F24EB					
ŠU@s o0981251	EDI	 F24EC					
ŠU <sub>2</sub> .2(N57)  o0981264	EDI	 F2270					
ŠURUPPAK~c o0981275	EDI	 F2262					
TA-f o0981282	EDI	 F24ED					
TAR~d o0981295	EDI	 F24EE					
TUR×X  o0981321	EDI	 F2511					
TUR <sub>3</sub> ~b×TAK <sub>4</sub> ~a  o0981327	EDI	 F2512					
U <sub>4</sub> ×1(N01@f)  CDLI:  U <sub>4</sub> ×1(N01)F  o0981369	EDI	 F2513					
UKKIN~b×DUG~a  o0981418	EDI	 F2514					
URI <sub>2</sub> o0981458	EDI	 F228D					
URI <sub>3</sub> ~a+IB~a  o0981460	EDI	 F228C					
URU~a1×A  o0981464	EDI	 F2515					
UŠ~b×TAR~d  o0981493	EDI	 F2516					
UŠUR <sub>3</sub> ~a o0981496	EDI	 F24F0		 F24F0 (b1)			

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZADIM	EDI o0981512	 F24F1					
(ZU&ZU).SAR~a	EDI o0981523	 F2518					
ZATU737×ŠITA~b1@g  CDLI:  ZATU737×ŠITA@g~a  o0981701	EDI ZATU746	 F2517					

## 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							
EZEN~c	DEL							
o0982242	ZATU150							
NINDA <sub>2</sub> ×GUDU <sub>4</sub>	DEL	 1  2  1  3	 1  2  1  3					
o0982243	ZATU406							
RI~x	DEL							
o0982244								
ŠEN~d	DEL	 1  2  3	 1  2  3					
o0981216	ZATU521							

## 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	OO F2544					
10(N01)	PC25 2× III: 2p o0981837	BBB F00DA	BBB				
1(N08~b)	NUM 1× o0981901	# F00F5	#				
2(N08~b)	PC25 4× III: 1p o0981902	# F00F6	#				
3(N08~b)	NUM 1× o0981903	# F00F7	#				
4(N08~b)	NUM 1× o0981904	### F00F8	###				
4(N08~c)	NUM 1× o0981905	#### F00F9	####				
1(N08~v)	NUM 1× o0982197	!					
1(N08@f)×1(N57)	NUM o0981908	-	-				
10(N14)	PC25 2× o0981921	##### F00DB	##### ●●●				
11(N14)	PC25 1× o0981922	##### F00DC	##### ●●●				
12(N14)	OOR5 1× o0981923	##### F00DD	##### ●●●				
22(N14)	PC25 1× o0981924	##### F00DE					
10(N14@f)	OOR o0981934	##### F00DF	##### ██████				
6(N21)	PC25 1× IV: 1p o0981983	##### F00EO	##### ██████				
1(N22~v)	PC25 1× III: 1p o0981986	##### F00FD					
1(N23)	Pelm 2× III: 1p o0981989	##### F00FE	##### ██████				
2(N23)	Pelm 1× III: 1p o0981990	##### F00FF	##### ██████				

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
3(N23) 1× III: 1p	Pelm o0981991	F0100					
5(N23)	Pelm	F0101					
7(N23) 1× III: 1p	Pelm o0981993	F0102					
2(N24) o0981995	NUM	F0103					
4(N24) o0981996	NUM	F0104					
6(N24) 1× o0981997	NUM	F0105					
1(N24@f) 2× III: 2p	PC25 o0981998	F0106					
2(N29A) AKA: 2(N29~a) 4× III: 4p	PC25 o0982009	F0107					
2(N29AB) AKA: 2(N29A~b) 2× III: 2p	PC25 o0982011	F010A					
1(N30B) AKA: 1(N30~b) 2× III: 2p	PC25 o0982016	F010B					
1(N30CA)	PC25 o0982018	F2538					
1(N30CB) o0982019	NUM	F010C					
1(N34)×1(N58)  1× III: 1p	PC25 o0982027	F012D					
1(N43) 3× III: 2p	PC25 o0982088	F010D					
4(N43) 1× III: 1p	PC25 o0982089	F010E					
1(N44) 1× IV: 1p	PC25 o0982090	F00E1					
3(N45@f) o0982102	OOR	F00E2					
4(N45@f) o0982103	OOR	F00E3					
5(N45@f) o0982104	OOR	F00E4					
6(N45@f) o0982105	OOR	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						
1x		o0982112	F00E9				
3(N47)	OOR						
1x		o0982117	F00EA				
6(N48)	OOR						
2x		o0982123	F00EB				
7(N48)	OOR						
1x		o0982124	F00EC				
1(N48@f)	NUM						
		o0982125	F010F				
5(N49)	OOR						
		o0982130	F00ED				
3(N53)	PC25						
1x IV: 1p		o0982163	F00EE				
1(N55)	PC25						
1x IV: 1p		o0982169	F00EF				
1(N59)	PC25						
1x III: 1p		o0982192	F0124				
2(N59)	PC25						
1x III: 1p		o0982193	F0125				
3(N59)	PC25						
18x III: 11p		o0982194	F0126				
4(N59)	PC25						
3x III: 2p		o0982195	F0127				
6(N59)	PC25						
3x III: 3p		o0982196	F0128				
7(N59)	PC25						
1x III: 1p		o0981906	F2537				
3(N61)	PC25						
1x		o0982199	F0129				
4(N62)	PC25						
1x III: 1p		o0982200	F012A				
1(N63)	NUM						
2x		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 treated as the equivalent of containers because the secondary signs are reduced in size and relocated relative to the main sign.

#### 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
ARARMA <sub>2</sub> ~a 126C0	PC25 o0980069	F208C 126C0		126C0			
ASAR 126C1	PC25 o0980073	126C1		126C1			

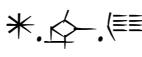
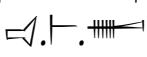
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
AZ 126C2		PC25 o0980075					
BAPPIR~a 126D7		PC25 o0980096					
BAPPIR~b 126D8		PC25 o0980097					
BAPPIR~c 126D9		PC25 o0980098					
BAPPIR~d 126DA		PC25 o0980099					
BAPPIR~e 126DB		PC25 o0980100					
BAPPIR~f 126DC		PC25 o0980101					
ME <sub>3</sub> 1290A		PC25 o0980843					
1(N58).BAD  12925		PC25 o0980877					
(1(N58).BAD)-b  12926		PC25 o0980878					
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
UTUA~a 12AF0	PC25 o0981499	12AF0			12AF0	12AF0	12AF0
UTUA~a@t 12AF1	PC25 o0981500	12AF1			12AF1		
UTUA~b 12AF2	PC25 o0981501	F21D4 12AF2		F21D4	F21D4 12AF2		
UTUL~a 12AF3	PC25 o0981502	12AF3		12AF3	12AF3	12AF3	12AF3
UTUL~b 12AF4	PC25 o0981503	12AF4		12AF4			
UTUL~c 12AF5	PC25 o0981504	12AF5			12AF5		
UTUL~d 12AF6	PC25 o0981505	12AF6			12AF6		
ZUBI~a 12B03	PC25 o0981524	12B03					

## K Sequences Data

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

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

CHARNAME/GLYFNAME/DECOMP	PUA	LIG./liga
AMAR.1(N02)  (o0980054)		
AMAR.1(N02)  	 F222A	 u126B4_u125BE.liga
AN.IM~a.GI <sub>6</sub>   (o0980064)		
AN.IM~a.GI <sub>6</sub>   	 F222B	 u126B7_u12861_u1288E.liga
APIN~a.APIN~a  (o0980066)		
APIN~a.APIN~a  	 F222C	 u126BD_u126D2.liga
BU~b.NA <sub>2</sub> ~a  (o0980127)		
BU~b.NA <sub>2</sub> ~a  	 F222D	 u126ED_u12A10.liga
BULUG <sub>3</sub> ,DU <sub>6</sub> ~a  (o0980131)		
BULUG <sub>3</sub> ,DU <sub>6</sub> ~a  	 F222E	 u126F0_u12750.liga
DA~a.LIŠ  (o0980138)		
DA~a.LIŠ  	 F222F	 u126F6_u129B5.liga
DU.ME~a.NUN~a  (o0980029)		
DU.ME~a.NUN~a  	 F2084	 u1271E_u12908_u12A74.liga
DU.U <sub>4</sub> .1(N14).1(N08)  (o0980306)		
DU.U <sub>4</sub>   	 F2230	 u1271E_u12BE1.liga
E <sub>2</sub> ~a.LIŠ  (o0980298)		
E <sub>2</sub> ~a.LIŠ  	 F2231	 u1277F_u129B5.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG/.liga
E₂~a.NUN~a  (o0980970)		
E₂~a.NUN~a		
	F2232	u1277F_u12A74.liga
E₂~b.LIŠ  (o0980302)		
E₂~b.LIŠ		
	F2233	u12781_u129B5.liga
EN~a.KID~a  (o0980323)		
EN~a.KID~a		
	F2234	u12787_u12941.liga
EN~a.ME~a.GI  (o0980321)		
EN~a.ME~a°GI		
	F20C8	u12787_u12908_u12878.liga
EN~a.ME~a°GI ~1		
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  (o0980320)		
EN~a.ME~a.MU		
	F2235	u12787_u12908_u129EC.liga
EN~a.ŠE~a@t.EZEN~b.NUN~a.SIG₇  (o0980322)		
EN~a.EZEN~b.ŠE~a@t°NUN~a.SIG₇		
	F20CB	u12787_u127A2_u12972_u12AE3.liga
EN~a.BAHAR₂~b°SIG₇,ME~a.NUN~a		
EN~a.BAHAR₂~b°SIG₇,ME~a.NUN~a		
	F20CC	u12787_u126CB_u129C9_u12908_u12A74.liga
EN₂.E₂~a  (o0980318)		
EN₂.E₂~a		
	F2236	u1278D_u127CA.liga
EN₂.E₂~b  (o0980319)		
EN₂.E₂~b		
	F2237	u1278D_u127CE.liga
EŠDA.NAM₂  (o0980902)		
EŠDA.NAM₂		
	F2143	u12792_u12A23.liga
EŠDA+NAM₂		
EŠDA+NAM₂		
	F2144	u12792_u12A23.liga.cv01
GA~a.ZATU753  (o0980359)		
GA~a.ZATU753		
	F20D2	u127A9_u12D79.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG/.liga
ZATU753.GA~a		
	F20D1	u12BA6_u1280E.liga
GAL~a.BUR <sub>2</sub>   (o0981495)		
GAL~a.BUR <sub>2</sub>		
	F2238	u127DE_u1271F.liga
GAL~a.LU <sub>2</sub>   (o0980799)		
GAL~a.LU <sub>2</sub>		
	F2129	u127DE_u129B6.liga
LU <sub>2</sub> °GAL~a		
LU <sub>2</sub> °GAL~a		
	F212A	u128E4_u1284E.liga
GAL~a.NI~a  (o0981199)		
GAL~a.NI~a		
	F2239	u127DE_u12A3A.liga
GAL~a.NIM~a  (o0981198)		
GAL~a.NIM~a		
	F223A	u127DE_u12A43.liga
GAL~a.UKKIN~a  (o0980678)		
GAL~a.UKKIN~a		
	F210E	u127DE_u12C31.liga
GAL~a.UKKIN~a ~1		
GAL~a.UKKIN~a ~1		
	F210F	u127DE_u12C31.liga.cv01
GEŠTU~a.NAGA~a  (o0980540)		
GEŠTU~a.NAGA~a		
	F223B	u127F9_u12A16.liga
GI <sub>6</sub> .NUNUZ~c  (o0980498)		
GI <sub>6</sub> .NUNUZ~c		
	F223C	u12810_u12A87.liga
GIR~a.KU <sub>6</sub> ~a  (o0980501)		
GIR~a.KU <sub>6</sub> ~a		
	F223D	u12812_u12965.liga
GIR~b.GIR~b  (o0980503)		
GIR~b.GIR~b		
	F223E	u12813_u12896.liga
GIR <sub>3</sub> ~c.AB~a  (o0980912)		
GIR <sub>3</sub> ~c.AB~a		
	F223F	u12819_u12698.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG/.liga
GIR <sub>3</sub> ~c.PIRIG~b1  (o0981301)  GIR <sub>3</sub> ~c.PIRIG~b1	 F2240	 u12819_u12A98.liga
GIŠ.TE  (o0980521)  GIŠ.TE	 F2241	 u12820_u12BB9.liga
GIŠ@t.E <sub>2</sub> ~a  (o0980529)  GIŠ@t.E <sub>2</sub> ~a	 F2242	 u12826_u127CA.liga
GU <sub>4</sub> .ZATU755~b  (o0980544)  GU <sub>4</sub> .ZATU755~b	 F2243	 u12833_u12D7C.liga
GUKKAL~a.HI@g~a  (o0980558)  GUKKAL~a.HI@g~a	 F2244	 u1283D_u128F0.liga
HI.LAGAB~a  (o0980581)  HI.LAGAB~a	 F2245	 u12852_u12980.liga
HI.SUHUR  (o0980580)  HI.SUHUR	 F20F3	 u12852_u12B23.liga
HI.SUHUR ~1 ◇.◆	 F20F4	 u12852_u12B23.liga.cv01
HI.SUHUR ~2 ◇.◆	 F20F5	 u12852_u12B23.liga.cv02
(HI×1(N57)).(HI×1(N57))  (o0900969)  HI×1(N57)°HI×1(N57)	 F20F7	 u12853_u128EC.liga
HI×1(N57).HI×1(N57)  (o0980586)  HI×1(N57).HI×1(N57)	 F20F6	 u12853_u128EC.liga.cv01
IR~a.GA <sub>2</sub> ~a1  (o0980612)  IR~a.GA <sub>2</sub> ~a1	 F2246	 u12865_u12815.liga
KA~a.ŠE~a  (o0980622)  KA~a.ŠE~a	 F2107	 u1286C_u12B52.liga
KA~a.ŠE~a@t  ◆.	 F2106	 u1286C_u12B57.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG/.liga
KAK~a.GA <sub>2</sub> ~a1  (o0980636)		
KAK~a.GA <sub>2</sub> ~a1		
▷.□	F2247	u12874_u12815.liga
BU~b.KALAM~a  (o0980692)		
BU~b.KALAM~a		
χ.☒	F2116	u126ED_u12929.liga
BU~b.KALAM~b		
χ.☒	F2116	u126ED_u1292A.liga
KU <sub>6</sub> ~a.GIŠ  (o0980701)		
KU <sub>6</sub> ~a.GIŠ		
↶.▬	F2248	u128AA_u128A7.liga
KU <sub>6</sub> ~a.1(N02)  (o0980700)		
KU <sub>6</sub> ~a.1(N02)		
↶.▬	F2249	u128AA_u125BE.liga
KUR~a.E <sub>2</sub> ~a  (o0980708)		
KUR~a.E <sub>2</sub> ~a		
▢.☒	F224A	u128AE_u127CA.liga
KUR~a.NUNUZ~a1  (o0980709)		
KUR~a.NUNUZ~a1		
▢.▢	F224B	u128AE_u12A82.liga
KUR~a.RU  (o0981273)		
KUR~a.RU		
▢.▢	F21AF	u128AE_u12AA5.liga
KUR~a.RU ~1		
▢.▢	F21AE	u128AE_u12AA5.liga.cv01
KUR~b.E <sub>2</sub> ~a  (o0980711)		
KUR~b.E <sub>2</sub> ~a		
▢.☒	F224C	u128AF_u127CA.liga
LAGAB~b.TE  (o0980754)		
LAGAB~b.TE	0	
▢.☒		u128CE_u12BB9.liga
ME~a.EN~a.ŠE~a.ŠA  (o0980324)		
ME~a.EN~a.ŠE~a.ŠA		
━.☒	F224D	u12908_u12787_u12A22_u12B37.liga
MUŠ <sub>3</sub> ~a.AB~a  (o0981510)		
MUŠ <sub>3</sub> ~a.AB~a		
←.▢	F224E	u12921_u12698.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG/.liga
MUŠ <sub>3</sub> ~a.ERIN  (o0981176)		
MUŠ <sub>3</sub> ~a.ERIN		
	F224F	u12921_u127EF.liga
MUŠ <sub>3</sub> ~a.UNUG~a  (o0981511)		
MUŠ <sub>3</sub> ~a.UNUG~a		
	F2250	u12921_u12C44.liga
MUŠEN.ŠE~a  (o0981506)		
ŠE~a°MUŠEN		
	F21D5	u12A22_u12A05.liga
MUŠEN.ŠE~a		
	F21D6	u12924_u12B52.liga
MUŠEN.UR <sub>3</sub> ~b2  (o0980872)		
MUŠEN.UR <sub>3</sub> ~b2		
	F2139	u12924_u12C58.liga
MUŠEN.UR <sub>3</sub> ~b2 ~1		
	F213A	u12924_u12C58.liga.cv01
MUŠEN.3(N58)  (o0980873)		
MUŠEN.3(N58)	0	
		u12924_uF011C.liga
1(N02).RU  (o0980876)		
1(N02).RU		
	F2251	u125BE_u12AA5.liga
NAGAR~a.BU~a  (o0980604)		
NAGAR~a.BU~a		
	F2252	u12933_u1270B.liga
NAGAR~b.BU~a		
	F2253	u12934_u1270B.liga
NE~a.GI  (o0980497)		
NE~a°GI		
	F20E3	u12940_u12878.liga
NE~c°GI		
	F20E2	u12942_u12878.liga
NE~a.RU  (o0980329)		
NE~a.RU		
	F2254	u12940_u12AA5.liga
NI~a.RU  (o0980918)		
NI~a.RU		
	F2255	u12946_u12AA5.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG/.liga
NUN~a.ME~a  (o0980028)		
NUN~a.ME~a		
	F2082	u12972_u129E2.liga
NUN~a+ME~a		
	F2083	u12972_u129E2.liga.cv01
NUN~a.ME~a.DU  (o0980029)		
NUN~a.ME~a.DU		
	F2085	u12972_u12908_u1274D.liga
NUN~b.U <sub>4</sub> .U <sub>4</sub> .1(N14).1(N08)  (o0980988)		
NUN~b.U <sub>4</sub>		
	0	u12978_u12BE1.liga
PA~a.IB~a  (o0981187)		
PA~a°IB~a		
	F2188	u12981_u128F4.liga
PA~a.IB~a		
	F2187	u12981_u128F4.liga.cv01
PA~a°IB~a ~1		
	F2189	u12981_u128F4.liga.cv02
PA~a.TE.SI  (o0980325)		
PA~a.TE.SI		
	F2256	u12981_u12A62_u12AC7.liga
PA~a.UDU~a  (o0981147)		
PA~a.UDU~a		
	F2177	u12981_u12C25.liga
PA~a.UDU~a ~1		
	F2178	u12981_u12C25.liga.cv01
PAP~a.IB~a  (o0981188)		
PAP~a.IB~a		
	F218A	u12985_u128F4.liga
IB~a°PAP~a		
	F218B	u12859_u12A91.liga
SAL.KUR~a  (o0981042)		
SAL.KUR~a		
	F2257	u129A1_u1296C.liga
SALLAGAR~a  (o0980866)		
SALLAGAR~a		
	F2258	u129A1_u129A0.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG/.liga
SAL.LAM~b  (o0981043)  SAL.LAM~b	F2259	u129A1_u129B1.liga
SAL.ME~a  (o0981044)  SAL.ME~a	0 	u129A1_u129E2.liga
SAL.NAM <sub>2</sub>   (o0980933)  SAL.NAM <sub>2</sub>	F225A	u129A1_u12A23.liga
SAL.NAM <sub>2</sub> .EZEN~b>ŠE~a.NUN~a.SIG <sub>7</sub>   (o0980969)  SAL.NAM <sub>2</sub> .EZEN~b>ŠE~a@t°NUN~a.SIG <sub>7</sub>	F225B	u129A1_u12939_u127A2_u12972_u12AE3.liga
SAL.SI  (o0981092)  SAL.SI	F225C	u129A1_u12AC7.liga
SAL.SILA <sub>4</sub> ~c  (o0980679)  SAL.SILA <sub>4</sub> ~c	F225D	u129A1_u12B15.liga
SAL.ŠU <sub>2</sub>   (o0981045)  SAL.ŠU <sub>2</sub>	F225E	u129A1_u12B98.liga
SAL.ZATU751~a  (o0981046)  SAL.ZATU751~a	F225F	u129A1_u12D75.liga
SAL.ZATU751~b  (o0981047)  SAL.ZATU751~b	F2260	u129A1_u12D76.liga
SAL.ZATU751~c  (o0981048)  SAL.ZATU751~c	F2261	u129A1_uF300F.liga
SU~a.KUR~a.RU  (o0981275)  SU~a.KUR~a.RU	F2262	u129F7_u128AE_u12AA5.liga
ŠE~a.GAR  (o0981201)  ŠE~a.GAR	F2227	u12A22_u12868.liga
ŠE~a@t.GAR	F2228	u12A24_u12868.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG/.liga
šE~a.KIN <sub>2</sub> ~c  (o0981202)		
šE~a.KIN <sub>2</sub> ~c		
	F218F	u12A22_u12948.liga
šE~a@t.KIN <sub>2</sub> ~c  (o0981202)		
šE~a@t.KIN <sub>2</sub> ~c		
	F2190	u12A24_u12948.liga
šE~a.NAM <sub>2</sub>   (o0981203)		
šE~a.NAM <sub>2</sub>		
	F2191	u12A22_u12A23.liga
šE~a.NAM <sub>2</sub>  ~1		
šE~a.NAM <sub>2</sub>  ~1		
	F2192	u12A22_u12A23.liga.cv01
šE~a.ŠA  (o0980794)		
šE~a.ŠA		
	F2125	u12A22_u12B37.liga
šA°šE~a		
šA°šE~a		
	F2126	u12A0F_u12B52.liga
šELU (o0981211)		
šE~a.GUG <sub>2</sub>		
	F2263	u12A22_u128C8.liga
šEš~a.NA~a  (o0980904)		
šEš~a.NA~a		
	F2264	u12A32_u12A0B.liga
šITA~a1.MUD <sub>3</sub> ~a  (o0980773)		
šITA~a1.MUD <sub>3</sub> ~a		
	F2265	u12A39_u129EF.liga
šU <sub>2</sub> .AN  (o0981253)		
šU <sub>2</sub> .AN		
	F2266	u12A4A_u126CC.liga
šU <sub>2</sub> .E <sub>2</sub> ~a  (o0981254)		
šU <sub>2</sub> .E <sub>2</sub> ~a		
	F2267	u12A4A_u127CA.liga
šU <sub>2</sub> .E <sub>2</sub> ~b  (o0981255)		
šU <sub>2</sub> .E <sub>2</sub> ~b		
	F2268	u12A4A_u127CE.liga
šU <sub>2</sub> .EN~a  (o0981256)		
šU <sub>2</sub> .EN~a		
	F21A7	u12A4A_u127D9.liga
šU <sub>2</sub> .EN~a ~1		
šU <sub>2</sub> .EN~a ~1		
	F21A5	u12A4A_u127D9.liga.cv01

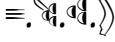
CHARNAME/GLYFNAME/DECOMP	PUA	LIG/.liga
ſU₂.EN~a ~2 	F21A6 	 u12A4A_u127D9.liga.cv02
ſU₂.EN~b  (o0981257) ſU₂.EN~b  	F2269 	 u12A4A_u127DA.liga
ſU₂.GIŠ  (o0981258) ſU₂.GIŠ  	F226A 	 u12A4A_u128A7.liga
ſU₂.(HI×1(N57).HI×1(N57))  (o0981259) ſU₂.(HI×1(N57)).(HI×1(N57))  	F226B 	 u12A4A_u12853_u128EC.liga
ſU₂.PAP~a  (o0981260) ſU₂.PAP~a  	F226C 	 u12A4A_u12A91.liga
ſU₂.URI₃~a  (o0981261) ſU₂.URI₃~a  	F226D 	 u12A4A_u12C5F.liga
ſU₂.1(N02)  (o0981262) ſU₂.1(N02)  	F226E 	 u12A4A_u125BE.liga
ſU₂.1(N24)  (o0981263) ſU₂.1(N24)  	F226F 	 u12A4A_u125AA.liga
ſU₂.2(N57)  (o0981264) ſU₂.2(N57)  	F2270 	 u12A4A_uF0111.liga
TE.A  (o0980650)  TE.A  	F2271 	 u12A62_u12690.liga
TUG₂~a.BAD&BAD  (o0981307)  TUG₂~a.BAD&BAD  	F21B7 	 u12A6B_u126E0.liga
TUG₂~a@g.BAD&BAD  	F21B8 	 u12A6C_u126E0.liga
TUR₃~a.5(N57).5(N57)  (o0981324)  TUR₃~a.5(N57)  	F2272 	 u12A79_uF0114.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG/.liga
U <sub>4</sub> .AB~b  (o0980070)		
U <sub>4</sub> .AB~b		
◎.✉	F2273	◎✉ u12A7F_u126A3.liga
U <sub>4</sub> .ŠU <sub>2</sub>   (o0981333)		
U <sub>4</sub> .ŠU <sub>2</sub>		
◎.⟨	F2274	◎⟨ u12A7F_u12B98.liga
U <sub>4</sub> .1(N08)  (o0981334)		
U <sub>4</sub> .1(N08)		
◎.□	F2275	◎□ u12A7F_u12559.liga
U <sub>4</sub> .2(N08)  (o0981335)		
U <sub>4</sub> .2(N08)		
◎.☒	F2276	◎☒ u12A7F_u1255A.liga
U <sub>4</sub> .3(N08)  (o0981336)		
U <sub>4</sub> .3(N08)		
◎.☒	F2277	◎☒ u12A7F_u1255B.liga
U <sub>4</sub> .4(N08)  (o0981337)		
U <sub>4</sub> .4(N08)		
◎.☒☒	F2278	◎☒☒ u12A7F_u1255C.liga
U <sub>4</sub> .5(N08)  (o0981338)		
U <sub>4</sub> .5(N08)		
◎.☒☒☒	F2279	◎☒☒☒ u12A7F_u1255D.liga
U <sub>4</sub> .6(N08)  (o0981339)		
U <sub>4</sub> .6(N08)		
◎.☒☒☒☒	F227A	◎☒☒☒☒ u12A7F_u1255E.liga
U <sub>4</sub> .7(N08)  (o0981340)		
U <sub>4</sub> .7(N08)		
◎.☒☒☒☒☒	F227B	◎☒☒☒☒☒ u12A7F_u1255F.liga
U <sub>4</sub> .8(N08)  (o0981341)		
U <sub>4</sub> .8(N08)		
◎.☒☒☒☒☒☒	F227C	◎☒☒☒☒☒☒ u12A7F_u12560.liga
U <sub>4</sub> .1(N14)  (o0981342)		
U <sub>4</sub> .1(N14)		
◎.●	F227D	◎● u12A7F_u12562.liga
U <sub>4</sub> .1(N14).1(N08)  (o0981343)		
U <sub>4</sub> .1(N14).1(N08)		
◎.●.□	0	◎●□ u12A7F_u12562_u12559.liga
U <sub>4</sub> .1(N14).3(N08)  (o0981344)		
U <sub>4</sub> .1(N14).3(N08)		
◎.●.☒	F227E	◎●☒ u12A7F_u12562_u1255B.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG/.liga
U <sub>4</sub> .1(N14).4(N08)  (o0981345)  U <sub>4</sub> .1(N14).4(N08)	 F227F	 u12A7F_u12562_u1255C.liga
U <sub>4</sub> .1(N14).5(N08)  (o0981346)  U <sub>4</sub> .1(N14).5(N08)	 F2280	 u12A7F_u12562_u1255D.liga
U <sub>4</sub> .1(N14).8(N08)  (o0981347)  U <sub>4</sub> .1(N14).8(N08)	 F2281	 u12A7F_u12562_u12560.liga
U <sub>4</sub> .2(N14)  (o0981348)  U <sub>4</sub> .2(N14)	 F2282	 u12A7F_u12563.liga
U <sub>4</sub> .1(N24)  (o0981349)  U <sub>4</sub> .1(N24)	 F2283	 u12A7F_u125AA.liga
U <sub>4</sub> ×1(N01).5(N08)  (o0981353)  U <sub>4</sub> ×1(N01).5(N08)	 F2284	 u12A80_u1255D.liga
U <sub>4</sub> ×2(N01).2(N14)  (o0981357)  U <sub>4</sub> ×2(N01).2(N14)	 F2285	 uF2481_u12563.liga
U <sub>4</sub> ×2(N01).2(N14).1(N08)  (o0981358)  U <sub>4</sub> ×2(N01).2(N14).1(N08)	 F2286	 uF2481_u12563_u12559.liga
U <sub>4</sub> ×3(N01).3(N08)  (o0981360)  U <sub>4</sub> ×3(N01).3(N08)	 F2287	 u12A82_u1255B.liga
U <sub>4</sub> ×4(N01).2(N14)  (o0981362)  U <sub>4</sub> ×4(N01).2(N14)	 F2288	 u12A83_u12563.liga
U <sub>4</sub> ×5(N01).1(N14)  (o0981364)  U <sub>4</sub> ×5(N01).1(N14)	 F2289	 u12A84_u12562.liga
U <sub>4</sub> ×(1(N14).3(N01)).1(N14).4(N08)  (o0981374)  U <sub>4</sub> ×(1(N14).3(N01)).1(N14).4(N08)	 F228A	 uF253D_u12562_u1255C.liga
URI <sub>3</sub> ~a.AB~a  (o0981461)  URI <sub>3</sub> ~a.AB~a	 F228B	 u12AD4_u12698.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG/.liga
URI <sub>3</sub> ~a.IB~a  (o0981460)		
URI <sub>3</sub> ~a.IB~a		
	F228C	u12AD4_u128F4.liga
URI <sub>3</sub> ~a.NA~a  (o0980903)		
URI <sub>3</sub> ~a°NA~a		
	F2146	u12AD4_u12A0B.liga
URI <sub>3</sub> ~a.NA~a		
	F2145	u12AD4_u12A0B.liga.cv01
URI <sub>3</sub> ~a.NA~a ~1		
	F2147	u12AD4_u12A0B.liga.cv02
URI <sub>3</sub> ~a.UNUG~a  (o0981458)		
URI <sub>3</sub> ~a.UNUG~a		
	F228D	u12AD4_u12C44.liga
UŠ~a.KUR~a  (o0980616)		
UŠ~a.KUR~a		
	F20FD	u12AE9_u1296C.liga
UŠ~b.KUR~a		
	F20FC	u12AEB_u1296C.liga
ZATU714.RU  (o0981658)		
ZATU714.RU		
	F228E	u12B76_u12AA5.liga
1(N57).AB <sub>2</sub>   (o0982202)		
1(N57).AB <sub>2</sub>		
	F228F	u12BEC_u126A7.liga
2(N57).AB <sub>2</sub>   (o0982203)		
2(N57).AB <sub>2</sub>		
	F2290	u12BED_u126A7.liga
3(N57).AMAR  (o0982204)		
3(N57).AMAR		
	F2291	u12BEE_u126C5.liga
4(N57).AMAR  (o0982205)		
4(N57).AMAR		
	F2292	u12BEF_u126C5.liga
3(N57).AZ  (o0982206)		
3(N57).AZ		
	0	u12BEE_u126DC.liga
3(N57).BAR×UŠ~a  (o0982207)		
3(N57).BAR×UŠ~a		
	F2293	u12BEE_uF3095.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG/.liga
3(N57).BARA <sub>3</sub>   (o0982208)		
3(N57).BARA <sub>3</sub>		
=.	F2294	u12BEE_u12702.liga
2(N57).BIR <sub>3</sub> ~a  (o0982209)		
2(N57).BIR <sub>3</sub> ~a		
=.	F2295	u12BED_u12706.liga
1(N57).BU <sub>3</sub>   (o0982210)		
1(N57).BU <sub>3</sub>	0	
=.		u12BEC_u12718.liga
2(N57).DU <sub>6</sub> ~a@n  (o0981508)		
2(N57).DU <sub>6</sub> ~a@n	0	
=.		u12BED_uF3089.liga
1(N57).E <sub>2</sub> ~a  (o0982211)		
1(N57).E <sub>2</sub> ~a		
=.	F2296	u12BEC_u127CA.liga
3(N57).E <sub>2</sub> ~b  (o0982212)		
3(N57).E <sub>2</sub> ~b		
=.	F2220	u12BEE_u127CE.liga
3(N57).EN <sub>2</sub>   (o0982213)		
3(N57).EN <sub>2</sub>	0	
=.		u12BEE_u127E3.liga
3(N57).GAR  (o0982215)		
3(N57).GAR		
=.	F2297	u12BEE_u12868.liga
4(N57).GAR  (o0982216)		
4(N57).GAR		
=.	F2298	u12BEF_u12868.liga
5(N57).GAR  (o0982217)		
5(N57).GAR		
=.	F2299	u12BF0_u12868.liga
6(N57).GAR  (o0982218)		
6(N57).GAR		
=.	F229A	u12BF1_u12868.liga
7(N57).GAR  (o0982219)		
7(N57).GAR	0	
=.		u12BF2_u12868.liga
4(N57).KU <sub>3</sub> ~a  (o0982220)		
4(N57).KU <sub>3</sub> ~a		
=.	F229B	u12BEF_u12963.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG/.liga
5(N57).KU <sub>3</sub> ~a  (o0982221)  5(N57).KU <sub>3</sub> ~a  	F229C	 u12BF0_u12963.liga
6(N57).KU <sub>3</sub> ~a  (o0982222)  6(N57).KU <sub>3</sub> ~a  	F229D	 u12BF1_u12963.liga
2(N57).KU <sub>6</sub> ~a  (o0982223)  2(N57).KU <sub>6</sub> ~a  	F229E	 u12BED_u12965.liga
3(N57).LAM~a.KUR~a.RU  (o0980071)  3(N57).LAM~a.KUR~a.RU  	F229F	 u12BEE_u128DF_u128AE_u12AA5.liga
1(N57).MUŠEN  (o0982224)  1(N57).MUŠEN  	F22A0	 u12BEC_u12A05.liga
2(N57).MUŠEN  (o0982225)  2(N57).MUŠEN  	F22A1	 u12BED_u12A05.liga
3(N57).MUŠEN  (o0982226)  3(N57).MUŠEN  	F22A2	 u12BEE_u12A05.liga
3(N57).NUNUZ~a1  (o0982227)  3(N57).NUNUZ~a1  	F22A3	 u12BEE_u12A82.liga
3(N57).NUNUZ~c  (o0982228)  3(N57).NUNUZ~c  	F22A4	 u12BEE_u12A87.liga
3(N57).PIRIG~b1  (o0982229)  3(N57).PIRIG~b1  	F22A5	 u12BEE_u12A98.liga
3(N57).RU  (o0981274)  3(N57).RU  	F21B1	 u12BEE_u12AA5.liga
3(N57).RU ~1 	F21B0	 u12BEE_u12AA5.liga.cv01
3(N57).SANGA~b  (o0982230)  3(N57).SANGA~a  	0	 u12BEE_u12ABC.liga

CHARNAME/GLYFNAME/DECOMP	PUA	LIG/.liga
3(N57).SI  (o0982231)  3(N57).SI  ≡. △	0	≡ △ u12BEE_u12AC7.liga
1(N57).SIG  (o0982232)  1(N57).SIG  -. ⚡	F22A6	-. ⚡ u12BEC_u12ACF.liga
2(N57).SU~a  (o0982233)  2(N57).SU~a  =. ◀	F22A7	◀ u12BED_u12B1D.liga
1(N57).ŠAH₂~a  (o0982234)  1(N57).ŠAH₂~a  -. ⚡	F22A8	-. ⚡ u12BEC_u12B49.liga
1(N57).ŠUBUR  (o0982235)  ŠUBUR×1(N57)  ≡. ✕	F221E	≡. ✕ u12A4C_uF0110.liga
1(N57).ŠUBUR  -. ✕	F221F	-. ✕ u12BEC_u12B9E.liga
2(N57).ŠUBUR  (o0982236)  2(N57).ŠUBUR  =. ✕	F22A9	=. ✕ u12BED_u12B9E.liga
3(N57).ŠUBUR  (o0982237)  3(N57).ŠUBUR  ≡. ✕	F22AA	≡. ✕ u12BEE_u12B9E.liga
3(N57).UDU~a  (o0982238)  3(N57).UDU~a  ≡. ⊕	F22AB	≡⊕ u12BEE_u12C25.liga
2(N57).UDUNITA~a  (o0982239)  2(N57).UDUNITA~a  =. ⊕↔	F22AC	=⊕↔ u12BED_u12C2A.liga
3(N57).UDUNITA~a  (o0982240)  3(N57).UDUNITA~a  ≡. ⊕↔	F22AD	≡⊕↔ u12BEE_u12C2A.liga
1(N57).URU~a1  (o0981472)  1(N57).URU~a1  -. □	F22AE	-. □ u12BEC_u12C63.liga
2(N57).URU~a1  (o0981473)  2(N57).URU~a1  ≡. □	F22AF	≡. □ u12BED_u12C63.liga

## L Implementation Notes on Sequences

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

### L.1 Sequences have constant character names

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

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

### L.2 Glyphs have unique names

PCSL uses a new tag, @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|; for the sequence named |EN-a.EZEN-b×ŠE~a.NUN~a.SIG<sub>7</sub>| there are glyphs |EN~a.EZEN-b×ŠE~a@t~NUN~a.SIG<sub>7</sub>| and (with a distinct component) |EN~a.BAHAR<sub>2</sub>~b°SIG<sub>7</sub>.ME~a.NUN~a|.

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

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

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

## L.5 Usage notes

### L.5.1 LuaHBTeX

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

Examples from the production of this document:

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

### L.5.2 HTML/CSS

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

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

Note that in CSS SALT indexes from 1.

## M Fonts for the Proposal

The proposal is supported by two fonts:

### M.1 PCSL.ttf

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

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

### M.2 pc25-cc.ttf

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

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