

Proposal to Encode Proto-Cuneiform

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Michael Everson, Laura Hawkins and Debbie Anderson carried out and fostered work on Proto-Cuneiform for Unicode under the auspices of the Script Encoding Initiative [L2/16-267; L2/17-157; L2/19-284]. More recently, Anshuman Pandey laid the basis for the current proposal in several important proposal documents of his own [L2/20-193; L2/22-239; L2/23-190].

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

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

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

1 Summary

This is a new proposal to encode 1392 ‘Proto-Cuneiform’ ([ISO15924] Pcusn) characters in Unicode. These characters belong to the earliest attested writing system, which emerged at the end of the 4th millennium BCE in Uruk, a region between the Tigris and Euphrates rivers, in what is commonly referred to as Mesopotamia.

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

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

2 Previous Proposals

This proposal supersedes the following documents:

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

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

Most numerical signs have been moved to:

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

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

- A revised set of principles on which the encoding is based
- Alignment of the encoding with established disciplinary practices
- Use of all available published and digital data for Proto-Cuneiform rather than sole reliance on the CDLI-gh collection of sign images
- Several hundred previously encoded characters are treated as non-contrastive variants, following disciplinary standards, and are not encoded separately
- Over two hundred previously encoded characters are treated as sequences and are not encoded separately.

3 The Archaic Period in Mesopotamia

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

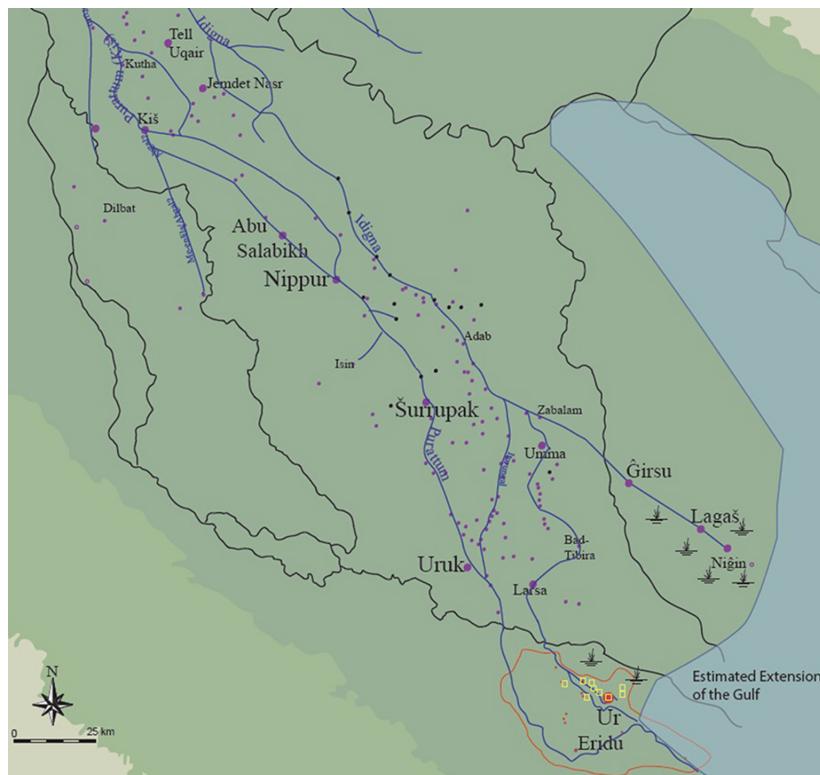


Figure 1: Map of southern Iraq showing canal networks and key settlements of the late fourth and early third millennia BCE (from [Ben15])

3.1 Birth of Cities

The flourishing of urbanization in southern Mesopotamia during the fourth millennium BCE gave rise to several major centres of which the best known and most excavated is that of Uruk. Major institutional buildings, new

artistic forms illustrating the importance of the ruler and the relationship of the ruler and the gods, and the invention of writing are all features of socio-political developments in the first cities.

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

3.2 History

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

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

3.3 Major Text Corpora

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

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

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

3.3.1 Administrative Texts

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

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

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

Other studies have examined grain accounting [Eng01] and time designations [Eng88, p. XXX]. One of the earliest dossiers of activity of a named individual, Kušim the brewer, is studied by Peter Damerow and Bob Englund in [DE93].

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

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

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

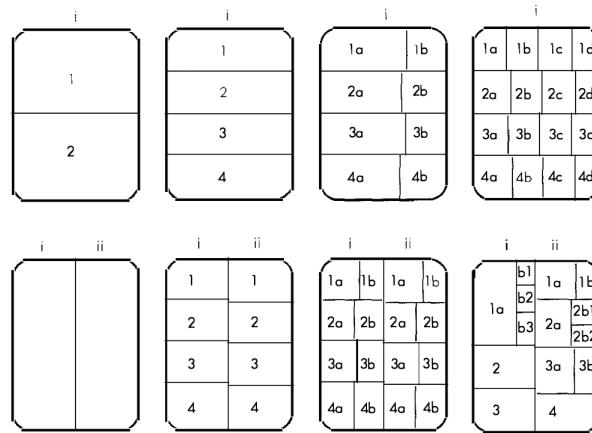


Figure 3: Sample tablet organizations; the CDLI transliterations utilize dotted line numbers to address cases of the form 1a.b2 etc.

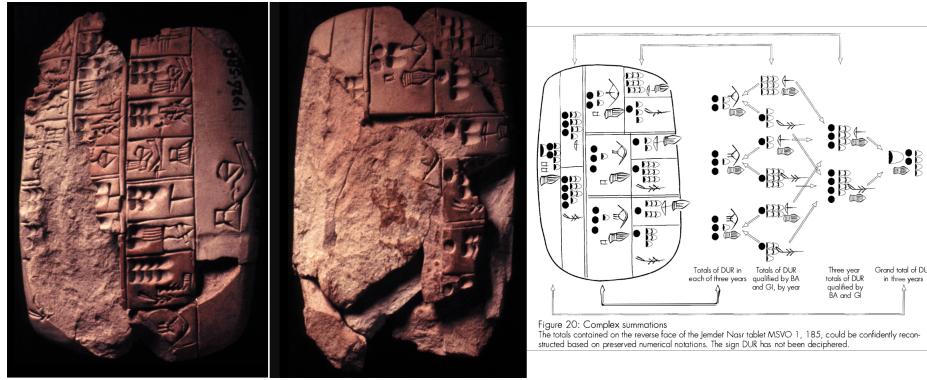


Figure 4: The complex summation MSVO 1, 185 with Englund's analysis.

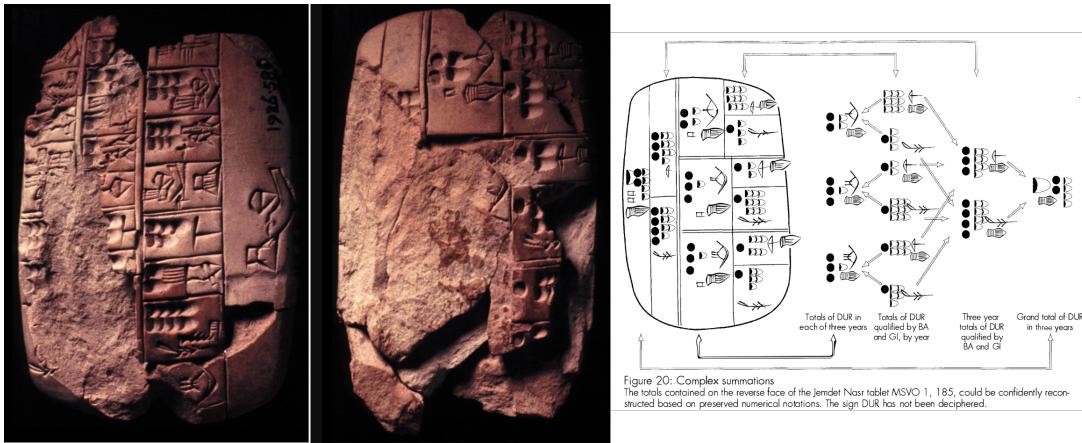


Figure 5: The complex summation MSVO 1, 185 with Englund's analysis.

3.3.2 Lexical Lists

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

The best attested of these is the list of professions and occupations usually called ‘Archaic Lu A’, ‘Professions’, or some combination thereof. More than 60 fragments of this list have been identified, from which an almost complete composite text can be reconstructed. The creation of a composite text is a common disciplinary practice with lexical lists which are attested mostly in small fragments containing only a few lines of the text: combining these overlapping fragments, which exhibit a generally if not perfectly consistent order and selection of lines, results in a reconstructed text which facilitates working with the data.

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

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

Figure 6: Englund's composite of the professions/occupations list, Lu. Shaded areas are entries that cannot be fully reconstructed from the extant manuscripts.



Figure 7: Sample lexical tablets: P000006, P000011, P000025

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].

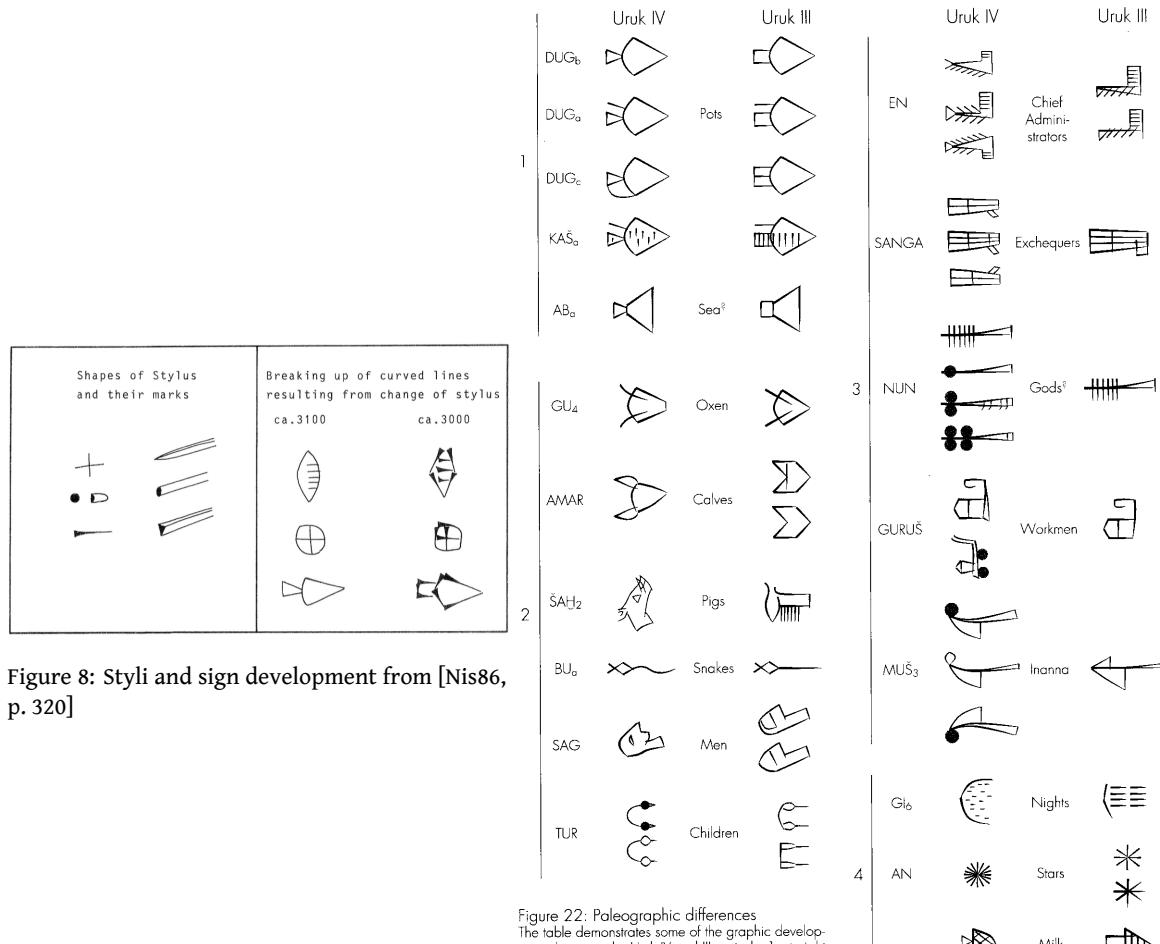


Figure 8: Styli and sign development from [Nis86, p. 320]

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.

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

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

The spatial division of Proto-Cuneiform administrative and lexical tablets into cases which are often quite narrow gives rise to an important feature of the disposition of combinations of signs, which may be placed beside, above, or otherwise near each other as space permits, and may be written in varying order depending partly on the space available in the box into which the signs have to fit. This has an important impact on the determination and treatment of sequences, as explained in 6.2.

3.4.3 Semantics

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

		Six Age	Females	Males
SMALL CATTLE, SHEEP AND GOATS	Wool Sheep	Adults	U ₈  	UDUNITA   
		Juveniles	SLA ₄ 	KR ₁₁ 
	Fat-tailed Sheep (?)			SLANITA 
				GUKKAI   
UDU   	Adults		  	MAŠ ₂ 
			 	+ 
	Goats	Juveniles	EŠGAR 	MAŠ 

Figure 10: Signs for ovi-caprids, after Englund.

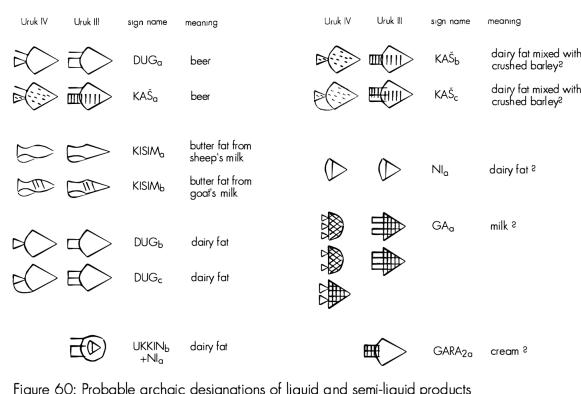


Figure 60: Probable archaic designations of liquid and semi-liquid products

Figure 11: Signs for dairy products, after Englund.

4 Rationale for Separately Encoding Proto-Cuneiform

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

The initial scope of the encoding covered the cuneiform script as used from the Ur III period through the first millennium, although a few distinctions only apparent in the Early Dynastic period, such as 𒂗 IM vs. 𒂗 NI₂, and a few characters used only in the Early Dynastic period, such as 𒀭 ZAM_x (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 𒂗 𒂗 CUNEIFORM SIGN IL, from Early Dynastic IIb 𒂗 𒂗 to Old Babylonian 𒂗 𒂗 and Neo-Assyrian 𒂗 𒂗. Indeed the glyphs of some proto-cuneiform signs would lie within the glyptic range of some archaizing Early Dynastic inscriptions: compare the sign LAK500 𒂗 𒂗 or 𒂗 𒂗 on the shoulder of the ED IIb statue of 𒂗 𒂗 𒂗 𒂗 [P222640] with the reference glyph proposed for U+12860 𒂗 𒂗 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 𒂗 PROTO-CUNEIFORM SIGN GAR regardless of context rather than a context-dependent reading gar (heap), nin₂ (thing), or ninda (bread) and interchangeable GAR, NI₂J₂, or NINDA when referring to the abstract sign for U+120FB 𒂗 CUNEIFORM SIGN GAR.
2. Avoiding sign names based on Sumerian readings of sign sequences, so that 𒂗 is generally transliterated as a sequence, MUŠEN ŠE_a, rather than UZ_a.
3. Classifying allographs, for instance, KAŠ_a through KAŠ_d for variants of signs representing pots, whose cuneiform reflex is likely U+12049 𒂗 𒂗 CUNEIFORM SIGN BI (=KAŠ).

The classification of allographs can reveal semantic contrasts; for instance, the signs 𒂗 KAŠ_a and 𒂗 KAŠ_b 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 𒂗 KAŠ_b and 𒂗 KAŠ_c. 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 𒂗 MES and 𒂗 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 𒂗 𒂗 𒂗 mes-lu₂-nu-še₃ in Section 4.1.

The same holds for the avoidance of readings of sign sequences; an interoperable encoding of cuneiform 𒂗 𒂗 𒂗 is achieved by reading it as nunuz uz^{mušen} “duck eggs”, and accordingly using the UZ sign, U+122BB 𒂗 𒂗, whereas 𒂗 𒂗 𒂗 is read as 𒂗 sila₃ še mušen niga “𒂗 sila of barley for fattening the birds”, and thus encoded using the sequence (U+122BA 𒂗, U+12137 𒂗). 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 𒂗 𒂗 or 𒂗 𒂗, or atomically, like 𒂗 𒂗 or 𒂗. In contrast, most transliterations of proto-cuneiform texts involving ducks transliterate them as a sequence, MUŠEN ŠE_a. 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_{b3} turns out not to be related to ŠITA, but instead to SILA_x(LAK636) [Wag16, p. 220]; proto-cuneiform KAB is not the ancestor of cuneiform KAB, but instead that of HUB₂ and TUKU [Wag16, p. 274], a misnomer perhaps attributable to the second millennium HUB- TUKU merger. Similarly, the realisation that in ED cuneiform the signs LAK031 and LAK032 correspond to uri₃, “standard” and šeš, “brother”, respectively, is reversed in the naming of PC URI₃-a and ŠEŠ-a and ŠEŠ-b, as frequently observed (most recently [Sel25, pp. 154–158]). The PC names, however, are strictly conventional, making this apparent misalignment irrelevant (if inconvenient) for the description of the PC signs. The actual relation between proto-cuneiform and cuneiform signs is often more complex than a one-to-one mapping; see for instance [Wag16, p. 217] on the development of proto-cuneiform IM_a and NI₂ into cuneiform TE, IM, and NI₂, 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 (Green; Lecompte nXXX).

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. (Englund OBO 160/1 [1998], 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 E₂ cannot be classified into E₂-a, E₂-b...; furthermore, some signs have no variant, such as DU₈, 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-LU₂-NU-ŠE₃ or EN-a-GAN-a-GI4-a, it was accordingly more convenient to propose directly Mes-lu₂-nu-še₃ and En-he₂-gi₄. (Lecompte and Verderame 2014, 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 $gu_2\text{-}an\text{-}\check{se}_3$.

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. (Lecompte 2016: 142).

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

4.1.1 PC signs in ED I-II

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

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

4.1.2 Pcun and Xsux Relationships Not in Unicode Scope

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

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

5 Materials for Encoding Proto-Cuneiform

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

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

The description and definition of PCSL and PC25 are intertwined, and we do not attempt to treat them in a separate, linear way. Rather, the PC corpus is taken as the foundation and criteria are established for the defining

the subcorpus that should be fully represented in PC25. Signs that occur *only* outside of this subcorpus are not considered encodable, but most of the texts that fall outside of this subcorpus are in fact fully covered by PC25 because the unencoded characters affect relatively few texts.

The PC corpus as hosted on the Cuneiform Digital Library Initiative website at 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 7224 texts in the corpus of which 105 are attributed to Uruk V; 1907 are attributed to Uruk IV and 5212 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	69	0	69	1373	486	1859	2764	1084	3848
JN	2	0	2	0	0	0	238	31	269
Umma	0	0	0	0	0	0	93	305	398
Uqair	0	0	0	0	0	0	42	0	42
Misc	23	11	34	36	12	48	587	68	655
total	94	11	105	1409	498	1907	3724	1488	5212

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	69	0	69	1350	0	1350	2720	0	2720
JN	2	0	2	0	0	0	238	0	238
Umma	0	0	0	0	0	0	93	0	93
Uqair	0	0	0	0	0	0	42	0	42
Misc	23	0	23	36	0	36	587	1	588
total	94	11	94	1386	498	1386	3680	1488	3681

5.2 Signs

5.2.1 Grapheme Distribution

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

5.2.2 PCSL Corpus Grapheme Distribution

	V/pub	V/unp	V/all	IV/pub	IV/unp	IV/all	III/pub	III/unp	III/all
Uruk/num	23/152	0/0	23/152	163/5390	91/1536	180/6926	214/15031	106/2481	223/17512
Uruk/idg	19/24	0/0	19/24	874/6761	422/1646	981/8407	1347/25296	622/6210	1422/31506
JN/num	3/3	0/0	3/3	0/0	0/0	0/0	138/2530	0/0	138/2530
JN/idg	0/0	0/0	0/0	0/0	0/0	0/0	451/4243	0/0	451/4243
Umma/num	0/0	0/0	0/0	0/0	0/0	0/0	121/1595	137/3855	167/5450
Umma/idg	0/0	0/0	0/0	0/0	0/0	0/0	387/2305	575/7343	683/9648
Uqair/num	0/0	0/0	0/0	0/0	0/0	0/0	50/444	0/0	50/444
Uqair/idg	0/0	0/0	0/0	0/0	0/0	0/0	241/922	0/0	241/922
Misc/num	23/45	18/30	27/75	50/155	2/7	50/162	169/5229	56/749	169/5978
Misc/idg	1/1	1/2	2/3	54/88	21/26	68/114	689/8074	330/1470	776/9544
total	33/200	18/30	34/230	169/5545	91/1543	184/7088	262/24829	163/7085	275/31914
total	19/25	1/2	20/27	883/6849	426/1672	991/8521	1589/40840	915/15023	1775/55863

5.3 Lists

5.3.1 Historic Lists

The earliest list of Proto-Cuneiform signs is Stephen Langdon's *Pictographic Inscriptions from Jemdet Nasr* [Lan28], a list accompanying the Jemdet Nasr tablets published 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]: Administratative 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 Schøyen Umma texts that was never completed.

5.3.5 The Oracc List

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

5.3.6 Sign Lists and Prior PC Proposals

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

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

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

5.3.7 Sign List Cautions

Sign lists have certain characteristics that can make them unsuitable for using to define a character repertoire:

- Sign lists offer one perspective on a repertoire; they are not necessarily exhaustive catalogues of every sign in a corpus.
- Sign lists often have entries that are convenient for descriptive purposes, or for users, but which do not constitute a 1:1 correspondence with the Unicode approach to characters.
 - Entries may contain several signs under one heading–this is done in CDLI-gh when the several members given are considered non-contrastive.

- Entries may combine sequences of signs if the sequence is common or interesting.

Sometimes these sequences correspond to later cuneiform sign combinations which have known semantics in Sumero-Akkadian Cuneiform (SAC) despite the fact that there is no evidence that the PC sign shares those semantics or is even necessarily an antecedant of the SAC sign in anything but form and structure.

Signs are also sometimes grouped into sequences when there is a suspected semantic basis for the grouping, even though the grouping might be considered phrasal rather than being a concatenation of components with specific semantics: examples include the combinations of N57 signs with ideograms where the notation may indicate the age of an animal or some other multiplicative relationship of the number and a commodity. Thus, $|1(N57).AB_2|$ may mean "a one-year-old cow" and could equally well be notated as $1(N57) AB_2$ —in fact, the corpus instances of such sequences often occur in both forms.

- Sign forms are abstractions; two-dimensional sketches of a three-dimensional writing system which tend to offer typical forms. This means that sign lists do not normally capture the full range of glyph-variation for any individual character; simply because a sign does not have unmarked variants in CDLI-gh doesn't mean such variants don't exist.
- Although most of character readings use sign names that recall SAC signs, Englund is clear that "until the language affinity of the archaic texts is established, these readings remain entirely conventional and often serve only mnemonic purposes, whereas the meaning of many signs is now quite clear" (ATU5 p.19).
- Importantly, Englund is explicit in the introduction that the reference forms of the signs ("graphemes" in Englund's terminology) are only exemplary forms:

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

5.4 Coverage

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

Of the 7224 texts in the entire PCSL corpus, 157 contain unencoded signs, i.e., 97.62% of texts have no unencoded graphemes.

The total number of instances of graphemes that are included in the encoded repertoire is substantial: of 98055 instances of 2040 graphemes, only 240 instances of 171 graphemes are not encoded. 99.76% of instances of graphemes in PCSL are represented in the encodings either directly or as sequences.

6 Principles for Encoding

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

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

6.1 (Non-)Contrastive Usage

Previous proposals treated the whole of CDLI-gh as a flat sample of sign forms and assigned codepoints to each form. All of the resources, however, are highly consistent in listing and transliterating some variant sign forms as

non-contrastive and this practice is followed in PC25: the grouping of sign forms under a sign sign name and the practice of transliterating variant sign forms with a single transliteration are both indicators of non-contrastive glyphs.

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

Transliteration practices in the CDLI corpus closely mirror the contrastive/non-contrastive distinction. For example, the SAG sign has several different glyph forms but is always transliterated SAG. Conversely, KUŠU₂ is a base name that has six different allographs, KUŠU₂-a to KUŠU₂-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, KAR₂ is separated as KAR₂-a and KAR₂-b in CDLI-tc and CDLI-gh, but in the DARA₃×KAR₂ compounds the only notations that occur are |DARA₃~c×KAR₂| and |DARA₃~d×KAR₂|. The encoding by default follows the CDLI notations in such cases.

6.2 Sequences

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

6.3 Principles

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

1. Treat the PC corpus as the primary source of truth about the signary and usage. Use the corpus as a control on the lists; use the published lists and corpus as a control on CDLI-gh.
2. Align names with CDLI-tc/CDLI-gh as much as possible to ensure that the encoding is closely aligned with existing scholarly practice. Make exceptions where required to correct names or to improve consistency of the naming scheme; if in doubt, retain the CDLI names.
3. Take contrastive usage into account to the extent supported by contemporary scholarship and do not encode non-contrastive sign variants under their own codepoints. The CDLI-tc corpus is the primary guide to non-contrastive usage: different sign forms which are transliterated the same are accepted as non-contrastive.
4. Accept that allograph notations in the corpus are contrastive.
5. Do not introduce finer-grained allograph notations than CDLI-tc/CDLI-gh is using. The decisions made in the corpus about whether sign variants are contrastive or not are made not only on the basis of form but also context of various kinds; specialists in the corpus should decide if further division is needed in the future.

6. Do not require a minimum number of occurrences for encoding: the corpus consists of mostly fragmentary manuscripts over 5000 years old—if a sign clearly exists and meets the other principles for encoding, it should be encoded.
7. Do not assume that every sign list entry should be encoded as a character.
8. Do not generally encode sequences. In Proto-Cuneiform writing sequences are not necessarily linear because the manuscripts are organized in cases (or boxes), signs are routinely juxtaposed in clusters in which the components can be written above, below, or near each other as well as being beside each other in a line. The surface form of sequences can be variable in the ordering, selection, and disposition of components, all of which are treated as glyph variations and not as discrete characters.
9. Do not generally encode opaque sequences. In standard transliteration practice for Proto-Cuneiform some signs are given simple names which do not reflect their status as a sequence, e.g., LUGAL is actually a sequence of GAL₂ and LU₂, or LU₂ 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 fulfills either of the previous conditions for encoding as a character, PC25 encodes the entire group as individual characters by analogy to avoid a possibly confusing mixture of encoded and unencoded group members.

11. Consider distribution of components when encoding complex (X×Y) versus compound (X.Y or Y.X); sometimes, especially for rare signs, it is not clear whether the juxtaposition of components is part of the sign structure or the distribution of individual elements on the manuscript. In such cases it is preferable to treat the signs as a sequence rather than a complex.
12. Do not separately encode signs which occur only as components of complex signs
13. Do not encode uncertain signs, especially those from unedited texts such as the Schøyen Umma material
14. Do not encode broken signs; include them in the PUA instead.

6.4 Advantages of the Revised Approach

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

- the encoding is better aligned with transliteration practice
- additional glyph variants can be added without impacting the encoding; encoding every glyph variant would open PC to arbitrary open-ended encoding of slight differences with little basis for distinguishing when a variant should be encoded and when not: adopting the position that scholarly annotation of glyph variance as contrastive is required for encoding would set reasonable boundaries on what can be encoded and what should not be.
- new sequences can be added without impacting the encoding; this is especially important for the productive types involving N57 and time notations involving U₄.

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

6.5 Reference Glyphs

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

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

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

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

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

7 Proposal Documents

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

A special purpose code-chart font ‘pc25-cc.ttf’, is also attached to the proposal. See Appendix XXX for further details.

Code charts and a character list are provided in the following pages for informational purposes only.

7.1 Code Charts

	1269	126A	126B	126C	126D	126E	126F
0							
1							
2							
3							
4							
5							
6							
7							
8							
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A							
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	1270	1271	1272	1273	1274	1275	1276	1277	1278	1279	127A	127B	127C	127D	127E	127F
0																
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C																
D																
E																
F																

	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	128A	128B	128C	128D	128E	128F
0																
12800																
1																
2																
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8																
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A																
B																
C																
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E																
F																

	1290	1291	1292	1293	1294	1295	1296	1297	1298	1299	129A	129B	129C	129D	129E	129F
0																
12900	12900	12910	12920	12930	12940	12950	12960	12970	12980	12990	129A0	129B0	129C0	129D0	129E0	129F0
1																
12901	12901	12911	12921	12931	12941	12951	12961	12971	12981	12991	129A1	129B1	129C1	129D1	129E1	129F1
2																
12902	12902	12912	12922	12932	12942	12952	12962	12972	12982	12992	129A2	129B2	129C2	129D2	129E2	129F2
3																
12903	12903	12913	12923	12933	12943	12953	12963	12973	12983	12993	129A3	129B3	129C3	129D3	129E3	129F3
4																
12904	12904	12914	12924	12934	12944	12954	12964	12974	12984	12994	129A4	129B4	129C4	129D4	129E4	129F4
5																
12905	12905	12915	12925	12935	12945	12955	12965	12975	12985	12995	129A5	129B5	129C5	129D5	129E5	129F5
6																
12906	12906	12916	12926	12936	12946	12956	12966	12976	12986	12996	129A6	129B6	129C6	129D6	129E6	129F6
7																
12907	12907	12917	12927	12937	12947	12957	12967	12977	12987	12997	129A7	129B7	129C7	129D7	129E7	129F7
8																
12908	12908	12918	12928	12938	12948	12958	12968	12978	12988	12998	129A8	129B8	129C8	129D8	129E8	129F8
9																
12909	12909	12919	12929	12939	12949	12959	12969	12979	12989	12999	129A9	129B9	129C9	129D9	129E9	129F9
A																
1290A	1290A	1291A	1292A	1293A	1294A	1295A	1296A	1297A	1298A	1299A	129AA	129BA	129CA	129DA	129EA	129FA
B																
1290B	1290B	1291B	1292B	1293B	1294B	1295B	1296B	1297B	1298B	1299B	129AB	129BB	129CB	129DB	129EB	129FB
C																
1290C	1290C	1291C	1292C	1293C	1294C	1295C	1296C	1297C	1298C	1299C	129AC	129BC	129CC	129DC	129EC	129FC
D																
1290D	1290D	1291D	1292D	1293D	1294D	1295D	1296D	1297D	1298D	1299D	129AD	129BD	129CD	129DD	129ED	129FD
E																
1290E	1290E	1291E	1292E	1293E	1294E	1295E	1296E	1297E	1298E	1299E	129AE	129BE	129CE	129DE	129EE	129FE
F																
1290F	1290F	1291F	1292F	1293F	1294F	1295F	1296F	1297F	1298F	1299F	129AF	129BF	129CF	129DF	129EF	129FF

	12A0	12A1	12A2	12A3	12A4	12A5	12A6	12A7	12A8	12A9	12AA	12AB	12AC	12AD	12AE	12AF
0																
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	12B0	12B1	12B2	12B3	12B4	12B5	12B6	12B7	12B8	12B9	12BA	12BB	12BC	12BD	12BE	12BF
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F																

7.2 Character List

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

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

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

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

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

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

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

12928		PROTO-CUNEIFORM SIGN NA-A	12958		PROTO-CUNEIFORM SIGN NINDA2 TIMES GAR
12929		PROTO-CUNEIFORM SIGN NA-B	12959		PROTO-CUNEIFORM SIGN NINDA2 TIMES GISH
1292A		PROTO-CUNEIFORM SIGN NA-C	1295A		PROTO-CUNEIFORM SIGN NINDA2 TIMES GU4
1292B		PROTO-CUNEIFORM SIGN NA2-A	1295B		PROTO-CUNEIFORM SIGN NINDA2 TIMES HI
1292C		PROTO-CUNEIFORM SIGN NA2-B1	1295C		PROTO-CUNEIFORM SIGN NINDA2 TIMES HI PLUS
1292D		PROTO-CUNEIFORM SIGN NA2-B2	1295D		AN PLUS ME-A
1292E		PROTO-CUNEIFORM SIGN NA2-C	1295E		PROTO-CUNEIFORM SIGN NINDA2 TIMES KASH-B
12930		PROTO-CUNEIFORM SIGN NAGA-A	1295F		PROTO-CUNEIFORM SIGN NINDA2 TIMES MAR-A
12931		PROTO-CUNEIFORM SIGN NAGA-A TIMES TAK4-A	12960		PROTO-CUNEIFORM SIGN NINDA2 TIMES MAR-B
12932		PROTO-CUNEIFORM SIGN NAGA-B	12961		PROTO-CUNEIFORM SIGN NINDA2 TIMES NUN-A
12933		PROTO-CUNEIFORM SIGN NAGAR-A	12962		PROTO-CUNEIFORM SIGN NINDA2 TIMES U4
12934		PROTO-CUNEIFORM SIGN NAGAR-B	12963		PROTO-CUNEIFORM SIGN NINDA2 TIMES ZATU659
12935		PROTO-CUNEIFORM SIGN NAM-A	12964		PROTO-CUNEIFORM SIGN NINDA2 TIMES ONE
12936		PROTO-CUNEIFORM SIGN NAM-B	12965		PROTO-CUNEIFORM SIGN NINDA2 TIMES N01
12937		PROTO-CUNEIFORM SIGN NAM-C	12966		PROTO-CUNEIFORM SIGN NINDA2 TIMES TWO
12938		PROTO-CUNEIFORM SIGN NAM-D	12967		PROTO-CUNEIFORM SIGN NINDA2 TIMES N01
12939		PROTO-CUNEIFORM SIGN NAM2	12968		PROTO-CUNEIFORM SIGN NINDA2 TIMES N06
1293A		PROTO-CUNEIFORM SIGN NAM2 TIMES ONE N01	12969		PROTO-CUNEIFORM SIGN NIR-A
1293B		PROTO-CUNEIFORM SIGN NAM2 GUNU	1296A		PROTO-CUNEIFORM SIGN NIR-A TIMES AN
1293C		PROTO-CUNEIFORM SIGN NAM2 TENU	1296B		PROTO-CUNEIFORM SIGN NIR-B
1293D		PROTO-CUNEIFORM SIGN NANSHE-A	1296C		PROTO-CUNEIFORM SIGN NU
1293E		PROTO-CUNEIFORM SIGN NANSHE-B	1296D		PROTO-CUNEIFORM SIGN NU GUNU
1293F		PROTO-CUNEIFORM SIGN NAR	1296E		PROTO-CUNEIFORM SIGN NU11
12940		PROTO-CUNEIFORM SIGN NE-A	1296F		PROTO-CUNEIFORM SIGN NU11 OVER NU11
12941		PROTO-CUNEIFORM SIGN NE-B	12970		PROTO-CUNEIFORM SIGN NU11 TENU
12942		PROTO-CUNEIFORM SIGN NE-C	12971		PROTO-CUNEIFORM SIGN NUMUN
12943		PROTO-CUNEIFORM SIGN NE-D	12972		PROTO-CUNEIFORM SIGN NUN-A
12944		PROTO-CUNEIFORM SIGN NESAG2-A	12973		PROTO-CUNEIFORM SIGN NUN-A JOINING A
12945		PROTO-CUNEIFORM SIGN NESAG2-B	12974		PROTO-CUNEIFORM SIGN NUN-A JOINING EN-A
12946		PROTO-CUNEIFORM SIGN NI-A	12975		PROTO-CUNEIFORM SIGN NUN-A JOINING EN-B
12947		PROTO-CUNEIFORM SIGN NI-A GUNU	12976		PROTO-CUNEIFORM SIGN NUN-A JOINING EN-D
12948		PROTO-CUNEIFORM SIGN NI-B	12977		PROTO-CUNEIFORM SIGN NUN-A JOINING NAM2
12949		PROTO-CUNEIFORM SIGN NI-B TIMES FOUR N57	12978		PROTO-CUNEIFORM SIGN NUN-B
1294A		PROTO-CUNEIFORM SIGN NI-B TIMES EIGHT N57	12979		PROTO-CUNEIFORM SIGN NUN-B JOINING EN-A
1294B		PROTO-CUNEIFORM SIGN NI2	1297A		PROTO-CUNEIFORM SIGN NUN-C
1294C		PROTO-CUNEIFORM SIGN NIGIN	1297B		PROTO-CUNEIFORM SIGN NUN-D
1294D		PROTO-CUNEIFORM SIGN NIM-A	1297C		PROTO-CUNEIFORM SIGN NUNUZ-A0
1294E		PROTO-CUNEIFORM SIGN NIM-B1	1297D		PROTO-CUNEIFORM SIGN NUNUZ-A1
1294F		PROTO-CUNEIFORM SIGN NIM-B2	1297E		PROTO-CUNEIFORM SIGN NUNUZ-A2
12950		PROTO-CUNEIFORM SIGN NIM-B3	1297F		PROTO-CUNEIFORM SIGN NUNUZ-B1
12951		PROTO-CUNEIFORM SIGN NIMGIR	12980		PROTO-CUNEIFORM SIGN NUNUZ-C
12952		PROTO-CUNEIFORM SIGN NINDA2	12981		PROTO-CUNEIFORM SIGN PA-A
12953		PROTO-CUNEIFORM SIGN NINDA2 TIMES AN	12982		PROTO-CUNEIFORM SIGN PA-B
12954		PROTO-CUNEIFORM SIGN NINDA2 TIMES AN PLUS HI	12983		PROTO-CUNEIFORM SIGN PAD-A
12955		ME-A	12984		PROTO-CUNEIFORM SIGN PAD-B
12956		PROTO-CUNEIFORM SIGN NINDA2 TIMES EZEN-B	12985		PROTO-CUNEIFORM SIGN PAP-A
12957		GAAR-A1			

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

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

12A45		PROTO-CUNEIFORM SIGN SHITA GUNU-B	12A78		PROTO-CUNEIFORM SIGN TUR GUNU
12A46		PROTO-CUNEIFORM SIGN SHU	12A79		PROTO-CUNEIFORM SIGN TUR3-A
12A47		PROTO-CUNEIFORM SIGN SHU TIMES ONE N58	12A7A		PROTO-CUNEIFORM SIGN TUR3-B
12A48		PROTO-CUNEIFORM SIGN SHU OVER SHU	12A7B		PROTO-CUNEIFORM SIGN TUR3-C
12A49		PROTO-CUNEIFORM SIGN SHU GUNU	12A7C		PROTO-CUNEIFORM SIGN U2-A
12A4A		PROTO-CUNEIFORM SIGN SHU2	12A7D		PROTO-CUNEIFORM SIGN U2-B
12A4B		PROTO-CUNEIFORM SIGN SHU12	12A7E		PROTO-CUNEIFORM SIGN U2-C
12A4C		PROTO-CUNEIFORM SIGN SHUBUR	12A80		PROTO-CUNEIFORM SIGN U4
12A4D		PROTO-CUNEIFORM SIGN SHUM	12A81		PROTO-CUNEIFORM SIGN U4 TIMES ONE N01
12A4E		PROTO-CUNEIFORM SIGN SHUR2 TIMES ONE N58	12A81		PROTO-CUNEIFORM SIGN U4 TIMES ONE N01
12A4F		PROTO-CUNEIFORM SIGN SHUR2-A			PLUS ONE N24
12A50		PROTO-CUNEIFORM SIGN SHUR2-B	12A82		PROTO-CUNEIFORM SIGN U4 TIMES THREE N01
12A51		PROTO-CUNEIFORM SIGN TA-A	12A83		PROTO-CUNEIFORM SIGN U4 TIMES FOUR N01
12A52		PROTO-CUNEIFORM SIGN TA-B	12A84		PROTO-CUNEIFORM SIGN U4 TIMES FIVE N01
12A53		PROTO-CUNEIFORM SIGN TA-C	12A85		PROTO-CUNEIFORM SIGN U4 TIMES SIX N01
12A54		PROTO-CUNEIFORM SIGN TA-D	12A86		PROTO-CUNEIFORM SIGN U4 TIMES EIGHT N01
12A55		PROTO-CUNEIFORM SIGN TA-E	12A87		PROTO-CUNEIFORM SIGN U4 TIMES ONE N14
12A56		PROTO-CUNEIFORM SIGN TAG-A1	12A88		PROTO-CUNEIFORM SIGN U4 TIMES ONE N14
12A57		PROTO-CUNEIFORM SIGN TAG-A1 TENU			PLUS ONE N01
12A58		PROTO-CUNEIFORM SIGN TAG-A2	12A89		PROTO-CUNEIFORM SIGN U4 TIMES ONE N14
12A59		PROTO-CUNEIFORM SIGN TAG-A3			PLUS TWO N01
12A5A		PROTO-CUNEIFORM SIGN TAG-A4	12A8A		PROTO-CUNEIFORM SIGN U4 TIMES ONE N14
12A5B		PROTO-CUNEIFORM SIGN TAG-B	12A8B		PLUS FOUR N01
12A5C		PROTO-CUNEIFORM SIGN TAG-C	12A8C		PROTO-CUNEIFORM SIGN U4 TIMES ONE N14
12A5D		PROTO-CUNEIFORM SIGN TAG-D	12A8D		PLUS EIGHT N01
12A5E		PROTO-CUNEIFORM SIGN TAK4-A	12A8E		PROTO-CUNEIFORM SIGN U4 TIMES TWO N14
12A5F		PROTO-CUNEIFORM SIGN TAK4-A NUTILLU			PLUS FOUR N01
12A60		PROTO-CUNEIFORM SIGN TAK4-C	12A8F		PROTO-CUNEIFORM SIGN U4 TIMES THREE N14
12A61		PROTO-CUNEIFORM SIGN TAR-A	12A90		PLUS TWO N01
12A62		PROTO-CUNEIFORM SIGN TE	12A91		PROTO-CUNEIFORM SIGN U4 TIMES THREE N14
12A63		PROTO-CUNEIFORM SIGN TI	12A92		PLUS SEVEN N01
12A64		PROTO-CUNEIFORM SIGN TI GUNU	12A93		PROTO-CUNEIFORM SIGN U4 TIMES ONE N57
12A65		PROTO-CUNEIFORM SIGN TI REVERSED	12A94		PROTO-CUNEIFORM SIGN U4 TIMES TWO N57
12A66		PROTO-CUNEIFORM SIGN TI TENU	12A95		PROTO-CUNEIFORM SIGN U4 TIMES THREE N57
12A67		PROTO-CUNEIFORM SIGN TILLA2	12A96		PROTO-CUNEIFORM SIGN U4 TIMES FOUR N57
12A68		PROTO-CUNEIFORM SIGN TU-A	12A97		PROTO-CUNEIFORM SIGN U4 TIMES FIVE N57
12A69		PROTO-CUNEIFORM SIGN TU-B	12A98		PROTO-CUNEIFORM SIGN U4 TIMES SIX N57
12A6A		PROTO-CUNEIFORM SIGN TU-C	12A99		PROTO-CUNEIFORM SIGN U4 TIMES SEVEN N57
12A6B		PROTO-CUNEIFORM SIGN TUG2-A	12A9A		PROTO-CUNEIFORM SIGN U4 TIMES EIGHT N57
12A6C		PROTO-CUNEIFORM SIGN TUG2-A GUNU	12A9B		PROTO-CUNEIFORM SIGN U4 TIMES NINE N57
12A6D		PROTO-CUNEIFORM SIGN TUG2-B	12A9C		PROTO-CUNEIFORM SIGN U4 TIMES TEN N57
12A6E		PROTO-CUNEIFORM SIGN TUG2-C	12A9D		PROTO-CUNEIFORM SIGN U4 TIMES ELEVEN N57
12A6F		PROTO-CUNEIFORM SIGN TUM-A	12A9E		PROTO-CUNEIFORM SIGN U4 TIMES TWELVE N57
12A70		PROTO-CUNEIFORM SIGN TUM-A GUNU	12A9F		PROTO-CUNEIFORM SIGN U4 TIMES THIRTEEN N57
12A71		PROTO-CUNEIFORM SIGN TUM-B	12AA0		PROTO-CUNEIFORM SIGN U4 TIMES FOURTEEN N57
12A72		PROTO-CUNEIFORM SIGN TUM-C			PROTO-CUNEIFORM SIGN UD5-A
12A73		PROTO-CUNEIFORM SIGN TUM-D			
12A74		PROTO-CUNEIFORM SIGN TUN3-A			
12A75		PROTO-CUNEIFORM SIGN TUN3-B			
12A76		PROTO-CUNEIFORM SIGN TUN3-C			
12A77		PROTO-CUNEIFORM SIGN TUN3-D			

12AA1		PROTO-CUNEIFORM SIGN UD5-A GUNU	12ACF		PROTO-CUNEIFORM SIGN UR4-B
12AA2		PROTO-CUNEIFORM SIGN UD5-B	12AD0		PROTO-CUNEIFORM SIGN UR4-C
12AA3		PROTO-CUNEIFORM SIGN UD5-C	12AD1		PROTO-CUNEIFORM SIGN UR5-A
12AA4		PROTO-CUNEIFORM SIGN UDU-A	12AD2		PROTO-CUNEIFORM SIGN UR5-B
12AA5		PROTO-CUNEIFORM SIGN UDU-A TIMES TAR-A	12AD3		PROTO-CUNEIFORM SIGN URI
12AA6		PROTO-CUNEIFORM SIGN UDU-A TIMES TAR-B	12AD4		PROTO-CUNEIFORM SIGN URI3-A
12AA7		PROTO-CUNEIFORM SIGN UDU-C	12AD5		PROTO-CUNEIFORM SIGN UR15
12AA8		PROTO-CUNEIFORM SIGN UDUNITA-A	12AD6		PROTO-CUNEIFORM SIGN URU-A1
12AA9		PROTO-CUNEIFORM SIGN UDUNITA-B	12AD7		PROTO-CUNEIFORM SIGN URU-A1 TIMES AMAR
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			12AFE		PROTO-CUNEIFORM SIGN ZAR-B2

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12B90		PROTO-CUNEIFORM SIGN ZATU737 TIMES BU-A			
12B91		PROTO-CUNEIFORM SIGN ZATU737 TIMES BUR-A			
12B92		PROTO-CUNEIFORM SIGN ZATU737 TIMES DI			

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12BCA		PROTO-CUNEIFORM SIGN ZATU795	12BEA		PROTO-CUNEIFORM NUMERIC SIGN THREE
12BCB		PROTO-CUNEIFORM SIGN ZATU797	12BEB		LAGAB-A
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12BCD		PROTO-CUNEIFORM SIGN ZATU799	12BED		PROTO-CUNEIFORM NUMERIC SIGN TWO N57
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12BCF		PROTO-CUNEIFORM SIGN ZATU801	12BEF		PROTO-CUNEIFORM NUMERIC SIGN FOUR N57
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12BD1		PROTO-CUNEIFORM SIGN ZATU802-B	12BF1		PROTO-CUNEIFORM NUMERIC SIGN SIX N57
12BD2		PROTO-CUNEIFORM SIGN ZATU803	12BF2		PROTO-CUNEIFORM NUMERIC SIGN SEVEN N57
12BD3		PROTO-CUNEIFORM SIGN ZATU804	12BF3		PROTO-CUNEIFORM NUMERIC SIGN EIGHT N57
12BD4		PROTO-CUNEIFORM SIGN ZATU806	12BF4		PROTO-CUNEIFORM NUMERIC SIGN NINE N57
12BD5		PROTO-CUNEIFORM SIGN ZATU807	12BF5		PROTO-CUNEIFORM NUMERIC SIGN ONE N57
12BD6		PROTO-CUNEIFORM SIGN ZATU808	12BF6		PROTO-CUNEIFORM NUMERIC SIGN ONE N58
12BD7		PROTO-CUNEIFORM SIGN ZATU809	12BF7		PROTO-CUNEIFORM NUMERIC SIGN TWO N58
12BD8		PROTO-CUNEIFORM SIGN ZATU810	12BF8		PROTO-CUNEIFORM NUMERIC SIGN THREE N58
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12BDE		PROTO-CUNEIFORM SIGN ZATU833	12BFE		PROTO-CUNEIFORM NUMERIC SIGN ONE N58
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12BE0		PROTO-CUNEIFORM SIGN ZATU835			TENU

References

- [Alg05] G. Algaze. *The Uruk World System. The Dynamics of Expansion of Early Mesopotamian Civilization*. 2nd, revised. Chicago: University of Chicago Press, 2005.
- [Alg13] G. Algaze. "The End of Prehistory and the Uruk Period". In: ed. by H. Crawford. London and New York: Routledge, 2013, pp. 68–94.
- [Alg93] G. Algaze. *The Uruk World System. The Dynamics of Expansion of Early Mesopotamian Civilization*. Chicago: University of Chicago Press, 1993.
- [Ben15] G. Benati. "Re-modeling Political Economy in Early 3rd Millennium BC Mesopotamia: Patterns of Socio-Economic Organization in Archaic Ur (Tell al-Muqayyar, Iraq)". In: *CDLJ* 2015:2 (2015), pp. 1–37.
- [Bur35] E. Burrows. "Archaic Texts". In: *Ur Excavations Texts* 2 (1935).
- [CDLI] É. Pagé-Perron, J. L. Dahl, B. Lafont, J. Renn, R. K. Englund, and P. Damerow, eds. *Cuneiform Digital Library Initiative*. 2000–. <https://cdli.earth>.
- [Dam] P. Damerow. *The Proto-Cuneiform Texts from the Erlenmeyer Collection*. MSVO 3. forthcoming. Berlin.
- [DE93] P. Damerow and R. Englund. "8. The Administrative Activities of Kushim". In: *Archaic Bookkeeping: Early Writing and Techniques of Economic Administration in the Ancient Near East*. Ed. by H. Nissen. Chicago, 1993, pp. 36–46.
- [Dei22] A. Deimel. *Liste der archaischen Keilschriftzeichen von Fara*. Wissenschaftliche Veröffentlichungen der Deutschen Orient-Gesellschaft 40. J. C. Hinrichs'sche Buchhandlung, 1922.
- [EG91] R. Englund and J.-P. Grégoire. *The Proto-Cuneiform Texts from Jemdet Nasr*. MSVO 1. Berlin, 1991.
- [EN01] R. Englund and H. Nissen. *Archaische Verwaltungs-texte aus Uruk: Die Heidelberger Sammlung*. ATU 7. Berlin, 2001.
- [EN93] R. Englund and H. Nissen. *Die lexikalischen Listen der archaischen Texte aus Uruk*. ATU 3. Berlin, 1993.
- [EN94] R. Englund and H. Nissen. *Archaische Verwaltungs-texte aus Uruk: Vorderasiatisches Museum II*. ATU 6. Berlin, 1994.
- [Eng01] R. Englund. "Grain Accounting Practices in Archaic Mesopotamia". In: *Changing Views on Ancient Near Eastern Mathematics*. Ed. by J. Høyrup and P. Damerow. Berlin, 2001.
- [Eng09] R. K. Englund. "The smell of the cage". In: *CDLJ* 2009:4 (2009), pp. 1–27.
- [Eng88] R. Englund. "Administrative Timekeeping in Ancient Mesopotamia". In: *JESHO* 31 (1988), pp. 121–185.
- [Eng91] R. Englund. "Archaic Dairy Metrology". In: *Iraq* 53 (1991), pp. 101–104.
- [Eng94] R. Englund. *Archaic Administrative Texts from Uruk: The Early Campaigns*. ATU 5. Berlin, 1994.
- [Eng95a] R. Englund. "Late Uruk Period Cattle and Dairy Products: Evidence from Proto-Cuneiform Sources". In: *BSA* 8/2 (1995), pp. 33–48.
- [Eng95b] R. Englund. "Late Uruk Pigs and Other Herded Animals". In: *Beiträge zur Kulturgeschichte Vorderasiens*, Fs. Ed. by U. Finkbeiner, R. Dittmann, and H. Hauptmann. Mainz: Boehmer, 1995, pp. 121–133.
- [Eng96] R. Englund. *Proto-Cuneiform Texts from Diverse Collections*. MSVO 4. Berlin, 1996.
- [Eng98] R. K. Englund. "Texts from the Late Uruk Period". In: *Mesopotamien. Späturuk-Zeit und Frühdynastische Zeit*. Orbis Biblicus et Orientalis 160/1. 1998, pp. 13–233. ISBN: 3-7278-1166-8.
- [Fal36] A. Falkenstein. *Archaische Texte aus Uruk*. ATU 1. Berlin, 1936.
- [GN87] M. Green and H. Nissen. *Zeichenliste der Archaischen Texte aus Uruk*. ATU 2. Berlin, 1987.
- [Gre80] M. Green. "Animal Husbandry at Uruk in the Archaic Period". In: *JNES* 39 (1980), pp. 1–35.

- [Gre81] M. Green. "The Construction and Implementation of the Cuneiform Writing System". In: *Visible Language* 15 (1981), pp. 345–372.
- [Gre82] M. Green. "Miscellaneous Early Texts from Uruk". In: ZA 72 (1982), pp. 163–177.
- [ISO15924] ISO 15924/RA. "ISO 15924 Code Lists". In: *Codes for the representation of names of scripts – Codes pour la représentation des noms d'écritures*. ISO 15924. <https://www.unicode.org/iso15924/codelists.html>.
- [Joh16] J. C. Johnson. "Deciphering the Late Uruk butchering texts". In: *Material and Textual Perspectives on Alimentary Practice in Early Mesopotamia (Origini. Rivista de Preistoria e Protostoria della Civiltà Antiche 37)*. Ed. by M. B. D'Anna, C. Jauß, and J. C. Johnson. Roma: Gangemi Editore, 2016, pp. 46–55.
- [Joh19] J. C. Johnson. "Meat distribution in Late Uruk diacritical feasts. Second-order bookkeeping techniques and their institutional context in late fourth millennium BCE Mesopotamia". In: *Culture and Cognition. Essays in Honor of Peter Damerow (Max Planck Research Library for the History and Development of Knowledge, Proceedings 11)*. Ed. by J. Renn and M. Schemmel. Berlin: Max-Planck-Gesellschaft zur Förderung der Wissenschaften, 2019, pp. 69–80.
- [Kee20] J. Keetman. "Sumerisch auf Tafeln der Schriftstufe Uruk III". In: *The Third Millennium: Studies in Early Mesopotamia and Syria in Honor of Walter Sommerfeld and Manfred Krebernik*. Leiden/. Ed. by I. Arkhipov, L. Kogan, and N. Koslova. Boston: Brill, 2020, pp. 341–376.
- [Kre14] M. Krebernik. "Prä-Fāra-zeitliche Texte aus Fāra". In: N. Koslova, E. Vizirova, and G. Zólyomi. *Studies in Sumerian Language and Literature: Festschrift für Joachim Krecher*. Winona Lake, IN, 2014, pp. 327–382.
- [Kre98] M. Krebernik. "Die Texte aus Fāra und Tell Abū Salābīkh". In: *Mesopotamien. Späturuk-Zeit und Frühdynastische Zeit*. Orbis Biblicus et Orientalis 160/1. 1998, pp. 237–427. ISBN: 3-7278-1166-8.
- [L2/00-398] D. Snyder. *Cuneiform: From Clay Tablet to Computer*. Nov. 7, 2000.
UTC: L2/00-398.
- [L2/03-162] M. Everson and K. Feuerherm. *Basic principles for the encoding of Sumero-Akkadian Cuneiform*. May 25, 2003.
UTC: L2/03-162.
ISO/IEC JTC 1/SC 2/WG 2: N2585.
- [L2/12-208] M. Everson, C. Jay Crisostomo, and S. Tinney. *Proposal for Early Dynastic Cuneiform*. June 13, 2012.
UTC: L2/12-208.
ISO/IEC JTC 1/SC 2/WG 2: N4278.
- [L2/16-267] M. Everson and L. F. Hawkins. *Preliminary proposal to encode Proto-Cuneiform in the SMP*. Sept. 26, 2016.
UTC: L2/16-267.
- [L2/17-157] M. Everson and L. F. Hawkins. *Proposal to encode Proto-Cuneiform in the SMP of the UCS*. May 9, 2017.
UTC: L2/17-157.
- [L2/19-284] L. F. Hawkins. *Proposal to encode Proto-Cuneiform in the SMP of the UCS*. July 18, 2019.
UTC: L2/19-284.
- [L2/20-193] A. Pandey. *Preliminary proposal to encode Proto-Cuneiform in Unicode*. Sept. 21, 2020.
UTC: L2/20-193.
- [L2/22-239] A. Pandey. *Preliminary proposal to encode Proto-Cuneiform in Unicode*. Oct. 17, 2022.
UTC: L2/22-239.
- [L2/23-190] A. Pandey. *Revised proposal to encode Proto-Cuneiform in Unicode*. July 11, 2023.
UTC: L2/23-190.
- [L2/24-210] R. Leroy, A. Pandey, and S. Tinney. *Archaic cuneiform numerals*. Sept. 30, 2024.
UTC: L2/24-210.
- [L2/24-211] S. Tinney. *Comments on L2/23-190 Revised proposal to encode Proto-Cuneiform in Unicode*. Sept. 23, 2024.
UTC: L2/24-211.

- [Lan28] S. Langdon. *The Herbert Weld Collection in the Ashmolean Museum: Pictographic Inscriptions from Jemdet Nasr*. OECT 7. Oxford, 1928.
- [Lec09] C. Lecompte. “Listes Lexicales et Representations Spatiales des époques archaïques à la période paléo-babylonienne”. PhD thesis. Université de Versailles St. Quentin-en-Yvelines / l’Université de Genève, 2009.
- [LL95] R. Labat and F. M. Labat. *Manuel D’Épigraphie Akkadienne Signes Syllabaire Idéogrammes*. 5th. Paris, 1995.
- [LV13] C. Lecompte and L. Verderame. *Archaic Tablets and Fragments from Ur (ATFU) from L. Woolley’s Excavations at the Royal Cemetery*. Nisaba 25. Messina: Arbor Sapientiae, 2013.
- [Mon07] S. Monaco. *The Cornell University Archaic Tablets*. CUSAS 1. Bethesda, MD, 2007.
- [Mon14] S. Monaco. *Archaic Bullae and Tablets in the Cornell University Collections*. CUSAS 21. Bethesda, MD, 2014.
- [Mon16] S. Monaco. *Archaic Cuneiform Tablets from Private Collections*. CUSAS 31. Bethesda, MD, 2016.
- [Nis86] H. Nissen. “Archaic Texts from Uruk”. In: *World Archaeology* 17 (1986), pp. 317–334.
- [P222640] AO 17551. Paris, France: Musée du Louvre.
CDLI: P222640.
- [Sel25] G. J. Selz. “How meaning evolves. Proto-cuneiform signs: considerations on their origins at the intersection of visual and oral communication”. In: *Mortals, Deities and Divine Symbols: Rethinking Ancient Imagery from the Levant to Mesopotamia; Studies offered to Tallay Ornan*. 2025, pp. 147–164.
- [Tay11] J. Taylor. “Tablets as Artefacts, Scribes as Artisans”. In: *The Oxford Handbook of Cuneiform Culture*. Oxford University Press, 2011, pp. 5–31.
ISBN: 978-0-19-955730-1.
- [Tin24] S. Tinney, ed. *PCSL: The Proto-Cuneiform Sign List*. 2024–.
<https://build-oracc.museum.upenn.edu/pcsl>.
- [Vel14] N. Veldhuis. *History of the Cuneiform Lexical Tradition*. Guides to the Mesopotamian Textual Record 7. Ugarit-Verlag, 2014.
- [Wag16] K. Wagensonner. “Die frühen lexikalischen Texte und ihr Aufbau: Zu den archaischen und früh-dynastischen Wortlisten, der Anordnung ihrer Einträge und den Klassifikationssystemen in den frühen Phasen der Keilschrift”. PhD thesis. Universität Wien, 2016.

Appendices

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

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

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

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

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

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

A PCSL Table

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

PCSL The core PCSL data: the sign name and category tag are at the top of the case; the distribution, Oracc ID (OID) and ZATU number, if any, are at the bottom of the case. If the sign is proposed for encoding in PC25, the hex codepoint and reference glyph are given in the middle of the case.

CDLI names either from print sources or in the CDLI-gh name list that have been adapted to PCSL conventions appear in this block with the prefix CDLI-.

CDLI names used in the transliterated corpus which are handled using aliases in the validation data appear in this block with the prefix AKA-.

FONT The glyphs as given in PCSL.ttf, with their codepoints. Glyphs coloured blue are not included in the CDLI-gh collection. Subscript numbers before glyphs indicate the CVNN code for the variant, i.e., $\text{cv}01$

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

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

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
A 12690		PC25	12690		12690	12690	12690	12690
584x IV: 34p/17u; III: 370p/183u	o0980000	ZATU001	F207A		12690	12690	12690	12690
AxAB ₂		UNP	F2400					
3x III: 3u	o0980001							
AxAN		EDI	F24F2					
	o0980002							
AxEN~a	{...}	PC25	12691			12691		
1x IV: 1p; III: 1p	o0980003	ZATU002						
AxŠUBUR	{...}	PC25	12692			12692		
1x IV: 1p; III: 1p	o0980004	ZATU003						
AxZATU672	{...}	PC25	12693			12693		
1x IV: 1p; III: 1p	o0980005	ZATU005						
Ax1(N14)	{...}	PC25	12694					
1x IV: 1p	o0980006	ZATU004						
A@g		EDI	F24CC					
	o0980007							
A@t		UNP	F2401					
1x III: 1u	o0980008							
A ₂ 12695	{...}	PC25	12695		12695	12695		
2x IV: 1p; III: 2p	o0980009	ZATU006						

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
AB₂ 1269E 350x IV: 83p/7u; III: 254p/51u	PC25 o0980025 ZATU012	1269E 1 F207F 2 F2080		1269E F2080	1269E F207F	1269E	
AB ₂ x2(N14) 1269F 2x IV: 2p; III: 2p	PC25 o0980026 ZATU013	1 F2081 1269F		1269F F2081			
AB_{2@g} 1x	UNP o0980027	F2525					
ABGAL 51x III: 42p/9u	PC25-sq o0980028 ZATU015	F2082 1 F2083		F2082		F2082	
ABRIG 2x III: 2p	PC25-sq o0980029 ZATU016	F2084 1 F2085		F2085			
ABZU 126A0 5x III: 5p	PC25 o0980030 ZATU017	1 F2227 126A0	F2227	F2227			126A0
AD~a 126A1 51x III: 37p/14u	PC25 o0980031 ZATU018	126A1	126A1	126A1		126A1	126A1
AD~b 126A2 3x IV: 1p; III: 2p	PC25 o0980032 ZATU018	126A2	126A2	126A2			
AD~c 126A3 9x IV: 1p; III: 6p/2u	PC25 o0980033 ZATU018	126A3	126A3			126A3	
ADAB 126A4 44x IV: 15p/4u; III: 22p/9u	PC25 o0980034 ZATU019	126A4 1 F2086	126A4	126A4 126A4		126A4	126A4
ADDA 126A5 1x III: 1p	PC25 o0980035 ZATU020	126A5	126A5	126A5			
ADDA@t o0980036	ZERO	F2409					
AGAR₂ 126A6 18x III: 16p/2u	PC25 o0980037 ZATU022	126A6	126A6			126A6	

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
AMAR.1(N02) 2x III: 2p	PC25-sq o0980054	 F222B				 F222B	
AMAR×TAR~c 126B5	PC25 AKA: AMAR×TAR CDLI: AMAR×TAR 1x IV: 1p; III: 1p o0980055 ZATU030		 126B5		 (o) 126B5		
AMAR&AMAR 126B6	PC25 1x IV: 1p o0980056		 126B6				
AMAR@g CDLI: AMAR@g 1x IV: 1p o0980057	PC25-bk o0980057	 F240B					
AN 126B7 992x IV: 106p/20u; III: 630p/274u o0980058 ZATU031	PC25 o0980058 ZATU031		 ¹ F208A  ² F208B  126B7		 F208A  F208B  126B7	 126B7	 126B7
ANŠE~a 126B8 9x IV: 3p/2u; III: 4p/1u o0980059 ZATU032	PC25 o0980059 ZATU032		 126B8				
ANŠE~b 126B9 32x IV: 1p/1u; III: 21p/9u o0980060 ZATU032	PC25 o0980060 ZATU032		 126B9		 (a) 126B9	 126B9	 126B9
ANŠE~c 126BA 4x IV: 1p; III: 3p/1u o0980061 ZATU032	PC25 o0980061 ZATU032		 126BA			 126BA	
ANŠE~e 126BB 9x IV: 3p; III: 4p/2u o0980062 ZATU032	PC25 o0980062 ZATU032		 126BB				
ANŠE~f 126BC 5x III: 5p o0980063 ZATU032	PC25 o0980063 ZATU032		 126BC				 126BC
ANZU ₂ o0980064	EDI o0980064		 F222C				
APIN~a 126BD AKA: APIN 230x IV: 20p/5u; III: 154p/65u o0980065 ZATU033	PC25 o0980065 ZATU033		 126BD		 126BD	 126BD	 126BD
APIN~a.APIN~a 1x IV: 1p o0980066	PC25-sq o0980066	 F222D					
APIN~b 126BE 13x III: 9p/3u o0980067 ZATU033	PC25 o0980067 ZATU033		 126BE		 126BE	 126BE	

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
APIN~c 126BF	PC25						
2x IV: 1p; III: 1p o0980068 ZATU033	126BF			126BF			
ARARMA₂~a 126C0	PC25						
12x III: 7p/5u o0980069 ZATU034	¹ F208C 126C0			126C0			
ARARMA₂~b	PC25-sq						
2x IV: 1p; III: 1p o0980070 ZATU034	F2274			F2274			
ARATTA	PC25-sq						
1x III: 1p o0980071 ZATU035	F22A1						
ASAL₂	EDI						
o0980072	F24CE						
ASAR 126C1	PC25						
19x III: 17p/2u o0980073 ZATU036	126C1			126C1			
AS₂	UNP						
1x III: 1u o0980074	F240C						
AZ 126C2	PC25						
21x III: 20p/1u o0980075 ZATU038	126C2						
AZU 126C3	PC25						
2x IV: 2p; III: 1p o0980076 ZATU039	126C3			126C3			
BA 126C4	PC25						
779x IV: 112p/17u; III: 516p/202u o0980077 ZATU040	126C4		126C4	126C4	126C4	126C4	126C4
BAD 126C5	PC25						
104x IV: 19p/3u; III: 74p/23u o0980078 ZATU041	126C5		126C5	126C5	126C5		
 BAD&BAD 126C6	PC25						
42x IV: 1p/2u; III: 30p/10u o0980079 ZATU042	126C6		126C6	126C6			
BAD₃~a 126C7	PC25						
2x III: 2p o0980080 ZATU044	126C7		126C7	126C7			
BAD₃~b1 126C8	PC25						
4x III: 1p/3u o0980081 ZATU044	126C8						
BAD₃~b2 126C9	PC25						
AKA: EZEM~b~AN 4x III: 3p/1u o0980082 ZATU044	126C9						
BAHAR₂~a 126CA	PC25						
22x IV: 1p/2u; III: 11p/6u o0980083 ZATU045	¹ F208D			F208D			

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

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

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

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
BULUG 126EF		PC25						
4x IV: 2p/1u; III: 2p o0980129 ZATU061			126EF			126EF		
BULUG ₃ 126F0		PC25						
35x III: 30p/5u o0980130 ZATU062			126F0		126F0			
BULUG ₃ .DU _{6~a} o0980131		ZERO						
BUR~a 126F1		PC25					126F1	
37x IV: 1u; III: 27p/9u o0980132 ZATU063			126F1		126F1			
BUR~b 126F2		PC25						
8x IV: 1p; III: 7p o0980133 ZATU063			126F2			126F2		
BUR~c 126F3		PC25						
1x IV: 1p; III: 1p o0980134 ZATU063			126F3					
BUR~d 126F4		PC25						
1x III: 1p o0980135 ZATU063			126F4					
BUR ₂ 126F5		PC25						
52x IV: 2p/2u; III: 37p/13u o0980136 ZATU064			126F5		126F5			
DA~a 126F6		PC25						
243x IV: 23p/5u; III: 151p/74u o0980137 ZATU065			126F6		126F6	126F6	126F6	126F6
DA~a.LIŠ o0980138		UNP						
1x III: 1u o0980138								
DA~b 126F7		PC25						
6x IV: 5p; III: 2p o0980139 ZATU065			126F7		126F7	126F7		
DA~c 126F8		PC25						
2x IV: 2p; III: 2p o0980140 ZATU065			126F8			126F8		
DA~d 126F9		PC25						
1x IV: 1p; III: 1p o0980141 ZATU065			126F9			126F9		
DAG		EDI						
o0980142								
DAH 126FA		PC25						
26x IV: 1p; III: 22p/4u o0980143 ZATU066			126FA			126FA	126FA	126FA
DAM 126FB		PC25						
14x III: 14p o0980144 ZATU067			126FB					
DANNA 126FC		PC25						
9x IV: 1p; III: 3p/5u o0980145 ZATU068			126FC					

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

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

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

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

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DUG~bxBIR ₃ ~c 12744 2x III: 1p/1u	PC25 o0980228 ZATU095	12744	12744	12744			
DUG~bxDIN 12745 18x IV: 1p/4u; III: 12p/1u	PC25 o0980229 ZATU096	1 F20B2 12745	1 F20B2 12745	12745			
(DUG~bxDIN)@r 12746 AKA: DUG~b@rxDIN 1x IV: 1p	PC25 o0980230	12746	12746				
DUG~bxE~a 1x III: 1u	UNP o0980231	F2414	F2414				
DUG~bxA~a 12747 2x III: 1p/1u	PC25 o0980232 ZATU097	12747	12747	12747			
DUG~bxA~b 12748 2x III: 2p	PC25 o0980233 ZATU097	12748	12748	12748			
DUG~bxEŠTU~a 12749 6x III: 5p/1u	PC25 o0980234 ZATU098	1 F20B3 12749	1 F20B3 12749	12749			
DUG~bxEŠTU~b 1274A 1x III: 1p	PC25 o0980235 ZATU098	1274A	1274A	1274A			
DUG~bxEI ₆ 1274B 3x III: 3p	PC25 o0980236 ZATU099	1274B	1274B	1274B			
DUG~bxEIŠ 1274C 7x III: 6p/1u	PC25 o0980237 ZATU100	1274C	1274C	1274C			
DUG~bxEI 1274D 9x IV: 2p/1u; III: 7p	PC25 o0980238 ZATU101	1 F20B4 1274D	1 F20B4 1274D	1274D 1274D			
DUG~bxEI@g~a 1274E 7x IV: 7p; III: 7p	PC25 o0980239 ZATU102	1274E	1274E	1274E			
DUG~bxEKSKAL 1274F 10x III: 10p	PC25 o0980240 ZATU103	1274F	1274F	1274F			
DUG~bxEKU ₆ ~a 12750 2x III: 2p	PC25 o0980241 ZATU104	12750	12750	12750			
DUG~bxEKUR~a 12751 3x III: 3p	PC25 o0980242 ZATU105	12751	12751	12751			

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DUG~b×ZATU707~a 1× III: 1u o0980273	UNP F2418						
DUG~b×ZATU764 1276B 2× III: 2p o0980274 ZATU124	PC25 	 1276B					
DUG~b×ZATU779 1276C 4× III: 2p/2u o0980275	PC25 	 1276C					
DUG~b×ZATU780 1276D 2× III: 2p o0980276	PC25 	 1276D					
DUG~b×ZATU781 1276E 3× III: 3p o0980277	PC25 	 1276E					
DUG~b×(ZATU789.SA~a) 1276F 1× III: 1p o0980278	PC25 	 1276F					
DUG~b×1(N57) 12770 10× IV: 5p/1u; III: 6p/1u o0980279 ZATU091	PC25 	 1 F20BD 12770					
DUG~b×(1(N57).KU ₃ ~a) 12771 3× III: 3p o0980280 ZATU092	PC25 	 12771					
DUG~b×3(N57) 12773 1× III: 1u o0980281	UNP F2419	 F2419					
DUG~b×1(N58) 12772 1× III: 1p o0980282	PC25 	 12772					
(DUG~b&DUG~b)×1(N58) 12773 AKA: DUG~b&(DUG~b×1(N58)) 1× IV: 1p o0980283	PC25 	 12773					
DUG~c 12774 224× IV: 42p/20u; III: 138p/32u o0980284 ZATU088	PC25 	 1 F20BE 12774					
DUG~c×1(N57) 12775 69× IV: 18p/7u; III: 42p/6u o0980285 ZATU091	PC25 	 1 F20BF 2 F20CO 12775					
DUG~c@t 12776 1× IV: 1p o0980286	PC25 	 12776					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
DUG~d 12777	PC25 	12777 			12777 (e) F20C1 		
4x III: 4p	o0980287 ZATU088						
DUGUD 12778	PC25 	12778 	12778 				
1x III: 1p	o0980288 ZATU125						
DUR~a 12779	PC25 	12779 	12779 	12779 	12779 	12779 	
24x IV: 20p/1u; III: 11p/1u	o0980289 ZATU126						
DUR~b 1277A	PC25 	1277A 	1277A 		1277A 	1277A 	F20C2
49x IV: 1p; III: 30p/15u	o0980290 ZATU126	1 F20C2 					
DUR ₂ 1277B	PC25 	1277B 	1277B 	1277B 	1277B 	1277B 	
75x IV: 4p; III: 55p/17u	o0980291 ZATU127						
E~a 1277C	PC25 	1277C 	1277C 				
86x IV: 1p; III: 79p/6u	o0980292 ZATU128						
E~b 1277D	PC25 	1277D 	1277D 				
24x IV: 1u; III: 19p/4u	o0980293 ZATU128						
E~c 1277E	PC25 	1277E 	1277E 	1277E 			
1x IV: 1p; III: 1p	o0980294 ZATU128						
E~d	UNP						
1x IV: 1u	o0980295 ZATU128	F241A 					
E~e	EDI						
	o0980296	F24D0 					
E ₂ ~a 1277F	PC25 	1277F 	1277F 	1277F 	1277F 	1277F 	
AKA: E ₂ 608x							
IV: 14p/11u; III: 449p/141u	o0980297 ZATU129						
E ₂ ~a.LiŠ	UNP						
1x III: 1u	o0980298	F2232 					
E ₂ ~a×3(N58)	UNP						
1x III: 1u	o0980299	F241B 					
E ₂ ~a×1(N58@t)	PC25 	12780 	12780 			12780 	
AKA: E ₂ ~a×1(N57)@t CDLI: E ₂ ~a×1(N57)@t							
38x III: 38p	o0980300 ZATU131						
E ₂ ~b 12781	PC25 	12781 	12781 	12781 	12781 	12781 	
201x							
IV: 5p/1u; III: 105p/88u	o0980301 ZATU129						

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
EŠDA 12792 126x IV: 24p/1u; III: 92p/27u	PC25 o0980331 ZATU147	12792		12792	12792	12792	
EŠDA×TAR-a 12793 AKA: EŠDA×TAR CDLI: EŠDA×TAR 1x III: 1p	PC25 o0980332 ZATU148	12793			12793 (o)		
EŠGAR 12794 22x IV: 6p; III: 19p/3u	PC25 o0980333 ZATU149	12794			12794		
EZEN~a 12795 22x IV: 9p/3u; III: 12p/4u	PC25 o0980334 ZATU150	12795	1 F20CD 12795	12795	12795		
EZEN~a×EN~a 1x IV: 1u	UNP o0980335 ZATU151	F2420					
EZEN~a×EN~b 12796 2x IV: 1p; III: 2p	PC25 o0980336 ZATU151	12796			12796		
EZEN~a×(HI×1(N57).AN) 12797 AKA: EZEN~a×(HI.1(N57).AN) CDLI: EZEN~a×(HI.1(N57).AN) 1x III: 1p	PC25 o0980337	12797				12797	
EZEN~a×KAB 12798 1x IV: 1p; III: 1p	PC25 o0980338 ZATU152	12798			12798		
EZEN~a×KAŠ~b 12799 2x III: 2p	PC25 o0980339	12799					12799
EZEN~a×KI 1279A AKA: EZEN~a+KI 1x III: 1p	PC25 o0980340	1279A					
EZEN~a×LA~e o0980341	EDI		1 F20CF 1 F20CE				
EZEN~a×NIM~b2 1279B 1x IV: 1p	PC25 o0980342 ZATU153	1279B					
EZEN~a×NIMGIR 1279C 2x IV: 1p; III: 1p/1u	PC25 o0980343 ZATU154	1279C			1279C		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
EZEN~a×RAD~a 1279D 1× IV: 1p; III: 1p o0980344 ZATU155	PC25 	 1279D	 1279D				
EZEN~a×SAG 1× III: 1u o0980345	UNP	 F241E	 F241E				
EZEN~a×SU~a 1279E 8× III: 5p/3u o0980346 ZATU156	PC25 	 1279E	 1279E				
EZEN~a×(U ₂ ~b.A) 1279F 5× IV: 1u; III: 1p/3u o0980347 ZATU157	PC25 	 1279F	 1279F				
EZEN~a×U ₄ 127A0 1× IV: 1p o0980348	PC25 	 127A0	 127A0				
EZEN~a×X 2× IV: 1p; III: 1u o0980349	PC25-bk 	 F241F	 F241F				
EZEN~b 127A1 87× IV: 1p; III: 68p/18u o0980350 ZATU150	PC25 	 127A1	 127A1	 127A1	 127A1	 127A1	 127A1
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	 F20D0	 127A3			
EZEN~b@t 127A4 AKA: EZEM~c EZEN~c CDLI: EZEN~b@t 9× IV: 3p; III: 4p/3u o0980353 ZATU150	PC25 	 127A4	 127A4	 127A4	 (c) 127A4		
EZEN~c 127A5 12× IV: 1u; III: 5p/6u o0980354 ZATU158	DEL o0982242 ZATU150	 F24D1	 127A5	 127A5			
EZINU~a 127A6 1× III: 1p o0980355 ZATU158	PC25 	 127A6	 127A6				
EZINU~c 127A7 6× IV: 2u; III: 4p o0980356 ZATU158	PC25 	 127A7	 127A7				
EZINU~d 127A8 10× IV: 4p/1u; III: 8p/1u o0980357 ZATU158	PC25 	 127A8	 127A8	 127A8			

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GA~a 127A9	PC25	 1 2 3 4 	 1 2 3 4 		 1 2 3 4 		
339x IV: 38p/15u; III: 216p/93u	o0980358	ZATU159					
GA~a.ZATU753	PC25-sq	 1 	 1 				
85x IV: 1u; III: 63p/21u	o0980359	ZATU161					
GA~a~X	ZERO						
	o0980360						
GA~b 127AA	PC25	 127AA	 127AA				
25x III: 25p	o0980361	ZATU159					
GA~c 127AB	PC25	 127AB	 127AB				
4x III: 4p	o0980362	ZATU159					
GA~c~KASKAL 127AC	PC25	 127AC	 127AC				
2x III: 2p	o0980363						
GA~c~1(N14) 127AD	PC25	 127AD	 127AD				
1x III: 1p	o0980364	ZATU160					
GA ₂ ~a1 127AE	PC25	 127AE	 127AE	 127AE	 127AE	 127AE	
111x IV: 11p/2u; III: 80p/18u	o0980365	ZATU162					
GA ₂ ~a1~A 127AF	PC25	 127AF	 127AF	 127AF			
3x IV: 1p; III: 2p	o0980366						
GA ₂ ~a1~E ₂ ~a 127B0	PC25	 127B0					 127B0
AKA: GA ₂ ~a~E ₂ ~a 1x III: 1p	o0980367						
GA ₂ ~a1~EN~a	UNP	 F2527	 F2527				
4x III: 3u	o0980368						
GA ₂ ~a1~EN~b 127B1	PC25	 127B1	 127B1	 127B1			
1x IV: 1p; III: 1p	o0980369						
GA ₂ ~a1~GEŠTU~a 127B2	PC25	 127B2					 127B2
1x III: 1p	o0980370						
GA ₂ ~a1~GEŠTU~c3 127B3	PC25	 127B3	 127B3		 127B3		
1x III: 1p	o0980371						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GA ₂ ~a1×GEŠTU~c5 127B4 10× III: 10p	PC25 o0980372	127B4	127B4			127B4	
GA ₂ ~a1×GIR~a 127B5 5× III: 5p	PC25 o0980373 ZATU167	127B5	127B5				
GA ₂ ~a1×(GIR~a.KU ₆ ~a) 127B6 1× III: 1p	PC25 o0980374	127B6	127B6				
GA ₂ ~a1×GIŠ@t 127B7 1× IV: 1p; III: 1p	PC25 o0980375 ZATU168	127B7	127B7				
GA ₂ ~a1×GU ₄ o0980376	EDI	F24F8	F24F8				
GA ₂ ~a1×HAL 127B8 1× IV: 1p; III: 1p	PC25 o0980377	127B8	127B8	127B8			
GA ₂ ~a1×HI 127B9 5× IV: 1p/2u; III: 3p	PC25 o0980378 ZATU170	127B9	127B9	127B9			
GA ₂ ~a1×(HI.SUHUR) 1× IV: 1u	UNP o0980379 ZATU171	F2421	F2421				
GA ₂ ~a1×KU ₃ ~a 127BA 1× III: 1p	PC25 o0980380 ZATU172	127BA	127BA				
GA ₂ ~a1×KU ₆ ~a 127BB 13× IV: 3p/1u; III: 10p/1u	PC25 o0980381 ZATU173	127BB	127BB	127BB			
GA ₂ ~a1×(KU ₆ ~a+KU ₆ ~a) 127BC CDLI: GA ₂ ~a1×(KU ₆ ~a.KU ₆ ~a) 1× III: 1p	PC25 o0980382 ZATU174	127BC	127BC			127BC	
GA ₂ ~a1×LAGAB~b 127BD 1× IV: 1p	PC25 o0980383	127BD	127BD				
GA ₂ ~a1×MAŠ 127BE 1× III: 1p	PC25 o0980384 ZATU176	127BE	127BE	127BE			
GA ₂ ~a1×NAGA~a 1× III: 1u	UNP o0980385 ZATU177	F2422	F2422				
GA ₂ ~a1×NIM~b1 AKA: GA ₂ ~a2×NIM~b1 CDLI: GA ₂ ~a2×NIM~b1 1× III: 1u	UNP o0980386	F2423	F2423				
GA ₂ ~a1×NUN~a o0980387	EDI	F24F9	F24F9				
GA ₂ ~a1×PAD~b 127BF 1× III: 1p	PC25 o0980388	127BF	127BF				

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GA ₂ ~a2×NI-b 1× III: 1u o0980406 ZATU178	UNP F2427						
GA ₂ ~a2×SUHURI 127CD 1× IV: 1p o0980407 ZATU179	PC25 127CD						
GA ₂ ~a2×ŠE ₃ 127CE 3× III: 3p o0980408	PC25 127CE					127CE	
GA ₂ ~a2×(ŠE ₃ .GU ₄) 127CF AKA: GA ₂ ~a2×(GU ₄ .ŠE ₃) CDLI: GA ₂ ~a2×(GU ₄ .ŠE ₃) 10× III: 9p/1u o0980409 ZATU169	PC25 127CF						
GA ₂ ~a2×X 1× III: 1p o0980410	PC25-bk F2428						
GA ₂ ~a2×3(N57) 1× III: 1u o0980411	UNP F2542						
GA ₂ ~a3 127D0 1× III: 1p o0980412 ZATU162	PC25 127D0						
GA ₂ ~a3×X 1× IV: 1p; III: 1p o0980413	PC25-bk F2429						
GA ₂ ~a4 127D1 1× IV: 1p; III: 1p o0980414 ZATU162	PC25 127D1					127D1	
GA ₂ ~b 127D2 18× IV: 9p/1u; III: 15p o0980415 ZATU162	PC25 127D2					127D2	
GA ₂ ~b×DUB~a 127D3 11× IV: 1p/2u; III: 6p/3u o0980416 ZATU166	PC25 127D3 1 F20D9					127D3	
GA ₂ ~b×DUB~b 127D4 1× IV: 1p; III: 1p o0980417 ZATU166	PC25 127D4					127D4	
GA ₂ ~b×KU ₃ ~a 1× III: 1u o0980418 ZATU172	UNP F242A						
GA ₂ ~b×KU ₆ ~a 127D5 1× III: 1p o0980419 ZATU173	PC25 127D5						
GA ₂ ~b×NUN~b 1× o0980420	UNP F252E						
GA ₂ ~b×ZATU659 127D6 1× III: 1p o0980421	PC25 127D6						
GA ₂ ~c 127D7 1× III: 1p o0980422 ZATU162	PC25 127D7						

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GA'AR~a1 127D8		PC25						
44x IV: 1u; III: 42p/1u	o0980423	ZATU184	127D8	127D8			127D8	
GA'AR~a2 127D9		PC25						
17x IV: 1p/1u; III: 11p/4u	o0980424	ZATU184	127D9	127D9				
GA'AR~b1 127DA		PC25						
2x IV: 1p; III: 2p	o0980425	ZATU184	127DA	127DA				
GA'AR~b2 127DB		PC25						
3x IV: 2p; III: 1p	o0980426	ZATU184	127DB	127DB				
GADA~a 127DC		PC25						
122x IV: 12p/11u; III: 70p/30u	o0980427	ZATU186	127DC	127DC	127DC		127DC	
GADA~b		UNP						
1x IV: 1u; III: 1p	o0980428	ZATU186	F242B					
GADA~b@g 127DD		PC25						
8x IV: 2p/4u; III: 3p/1u	o0980429	ZATU187	127DD	127DD				
GAL~a 127DE		PC25						
1236x IV: 54p/12u; III: 930p/261u	o0980430	ZATU188	127DE	127DE	127DE		127DE	127DE
GALDF~b 127DF		PC25						
11x IV: 3p/2u; III: 6p	o0980431	ZATU188	127DF	127DF				
GALGA~a 127E0		PC25						
12x III: 12p	o0980432	ZATU189	127E0	127E0				
GALGA~b		UNP						
3x III: 3u	o0980433	ZATU189	F242C					
GAN~a 127E1		PC25	 1 F20DA	 127E1			 127E1	 127E1
50x IV: 3p; III: 39p/9u	o0980434	ZATU190	127E1					
GAN~b 127E2		PC25	 1 F20DB 2 F20DC 3 F20DD	 F20DB F20DC F20DD				
40x IV: 6p/1u; III: 28p/8u	o0980435	ZATU190	127E2					

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GAN~c 127E3	PC25 o0980436 ZATU190	127E3 F20DE	127E3	127E3		127E3	
40× III: 24p/16u							
GAN~cxDIN 127E4	PC25 o0980437	127E4	127E4	127E4 (b)			
1× III: 1p							
GAN~cxEII 127E5	PC25 o0980438	127E5	127E5				
1× IV: 1p							
GAN~cx(HL.DIN) 127E6	PC25 o0980439 ZATU191	127E6	127E6				
2× IV: 2p							
GAN~cxKAŠ~c 127E7	PC25 o0980440	127E7	127E7				
2× III: 2p							
GAN~cx(KUR~a.A) 127E8	PC25 o0980441	127E8	127E8				
1× III: 1p							
GAN~cxLAGAB~b 127E9	PC25 o0980442 ZATU192	127E9	127E9				
2× IV: 1p; III: 2p							
GAN~cxNE~a	UNP o0980443 ZATU193	F242D	127EA				
3× III: 3u							
GAN~cxSIG ₇ 127EA	PC25 o0980444	127EA	127EA				
1× III: 1p							
GAN~cxŠE~a	UNP o0980445 ZATU194	F242F	127EB				
4× III: 4u							
GAN~cxŠE ₃ @t	UNP o0980446	F2430	127EB				
1× III: 1u							
GAN~cxX	PC25-bk o0980447	F242E	127EC				
3× IV: 1p; III: 2p/1u							
GAN~cxZATU777 127EB	PC25 o0980448	127EB	127EB				
1× III: 1p							
GAN~cx(4(N57).GAR) 127EC	PC25 o0980449	127EC	127EC			127EC	
1× III: 1p							
GAN~d	EDI o0980450	F24D2	127ED				
GAN~dxGEŠTU~a 127ED	PC25 o0980451	127ED	127ED				
1× III: 1p							
GAN~dxHI	EDI o0980452	F24FA	127EE				
GAN ₂ 127EE	PC25 o0980453 ZATU195	127EE	127EE	127EE	127EE	127EE	
270× IV: 10p/2u; III: 190p/65u							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GAR 127EF	PC25 	127EF 	127EF 	127EF 	127EF 	127EF 	
373x IV: 44p/28u; III: 241p/73u	o0980454 ZATU196						
GAR@g~a 127F0	PC25 	127F0 		127F0 			
4x IV: 4p; III: 4p	o0980455 ZATU197						
GAR@g~b 127F1	PC25 	127F1 		127F1 			
3x III: 2p/1u	o0980456 ZATU197						
GAR@g~c 127F2	PC25 	127F2 		127F2 			
3x III: 2p/1u	o0980457 ZATU197						
GAR₃ 127F3	PC25 	127F3 			127F3 		
29x IV: 29p; III: 10p	o0980458 ZATU198						
GARA₂~a 127F4	PC25 	127F4 		127F4 			127F4
55x IV: 2u; III: 37p/16u	o0980459 ZATU199						
GARA₂~b	UNP						
2x III: 2u	o0980460 ZATU199	F2431 					
GAZI 127F5	PC25 	127F5 		127F5 			
15x III: 14p/1u	o0980461 ZATU200						
GEŠTIN~a 127F6	PC25 	127F6 		127F6 			
8x III: 6p/2u	o0980462 ZATU202						
GEŠTIN~c	EDI						
	o0980463	F24D3 					
 GEŠTIN~c×X 	EDI						
	o0980464	F24FB 					
GEŠTIN~d 127F7	PC25 	127F7 					127F7
1x III: 1p	o0980465 ZATU202						
GEŠTIN~e 127F8	PC25 	127F8 					127F8
1x III: 1p	o0980466 ZATU202						
GEŠTU~a 127F9	PC25 	127F9 					
		1 F20DF 					
26x IV: 9p/2u; III: 13p/6u	o0980467 ZATU203	2 F20E0 		F20E0 	127F9 		
 GEŠTU~a×ŠE~a@t 127FA	PC25 	127FA 					
1x III: 1p	o0980468						
GEŠTU~b 127FB	PC25 	127FB 					
85x IV: 27p/7u; III: 44p/24u	o0980469 ZATU203			127FB 	127FB 	127FB 	127FB

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

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

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

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

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GU ^K KAL~b 1283E 2x IV: 2p	PC25 o0980559 ZATU240	1283E					
GU ^K KAL~c 1283F 9x III: 6p/1u	PC25 o0980560 ZATU240	1283F					
GU ^K KAL~d 12840 1x IV: 1p; III: 1p	PC25 o0980561 ZATU240	12840					
GUL 12841 28x IV: 4p; III: 21p/3u	PC25 o0980562 ZATU242	12841					
GUM~a 12842 16x IV: 14p/1u; III: 13p	PC25 o0980563 ZATU243	12842					
GUM~b 12843 41x IV: 3p/1u; III: 29p/10u	PC25 o0980564 ZATU243	12843 ¹ F20F1	 ¹ F20F1	 ¹ F20F1	 ¹ F20F1	 ¹ F20F1	 ¹ F20F1
GUM~b@n 12844 1x III: 1p	PC25 o0980565 ZATU244	12844 ¹ F20F2	 ¹ F20F2	 ¹ F20F2	 ¹ F20F2		
GUN ₃ ~a 12845 13x IV: 1p; III: 8p/5u	PC25 o0980566 ZATU245	12845					
GUN ₃ ~b 12846 10x IV: 1u; III: 6p/3u	PC25 o0980567 ZATU245	12846					
GUR 12847 2x III: 2p	PC25 o0980568 ZATU246	12847					
GURUŠ~a 12848 64x IV: 23p/2u; III: 45p/15u	PC25 o0980569 ZATU247	12848 ¹ F20F3 ² F20F4	 ¹ F20F3 ² F20F4	 ¹ F20F4	 ¹ F20F3 ² F20F4	 ¹ F20F3	 ¹ F20F3
GURUŠ~a×2(N14) 12849 4x IV: 2p/2u; III: 2p	PC25 o0980570 ZATU248	12849					
GURUŠ~b 1284A 4x IV: 4p; III: 1p	PC25 o0980571 ZATU247	1284A					
GURUŠ~b×2(N14) 1284B 2x IV: 1p/1u; III: 1p	PC25 o0980572 ZATU248	1284B					

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
HI×1(N57@t) 12854 AKA: HI×1(N57)@t CDLI: HI×1(N57)@t 2× III: 2p o0980587 ZATU255	PC25 12854	12854	12854	12854	12854 (a)		
HI×1(N58) 1× IV: 1u o0980588	UNP F243C	12854					
HI~b 1× o0980589 ZATU254	UNP F252F	12854					
HI@g~a 12855 AKA: HI@g HI~a@g 176× IV: 9p; III: 140p/33u o0980590 ZATU258	PC25 12855	12855	12855	12855	12855	12855	
HI@g~b 12856 12× IV: 2p; III: 8p/2u o0980591 ZATU258	PC25 12856	12856	12856	12856	12856	12856	
HI@g~c 12857 1× III: 1p o0980592 ZATU258	PC25 12857	12857					
HUB ₂ o0980593	EDI F24D7	12857					
I 12858 43× IV: 1p; III: 24p/19u o0980594 ZATU259	PC25 12858	12858	12858	12858	12858	12858	
IB~a 12859 393× IV: 45p/9u; III: 248p/110u o0980595 ZATU260	PC25 12859 1 F20FA 2 F20FB	12859 12859 2 F20FB	12859	12859	12859	12859	
IB~a@n 1285A CDLI: IB~a@n 1× III: 1p o0980596	PC25 1285A	1285A					
IB~b 1285B 9× IV: 7p; III: 5p o0980597 ZATU260	PC25 1285B	1285B	1285B	1285B			
IB~c 1285C 5× III: 5p o0980598 ZATU260	PC25 1285C	1285C					1285C
IDIGNA 1285D 57× IV: 10p; III: 42p/11u o0980599 ZATU261	PC25 1 F20FC 1285D	1 F20FC 1285D	1285D	1285D			
IG~a 1285E 2× III: 2p o0980600	PC25 1285E	1285E	1285E		1285E		

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
IG~b 1285F 2x III: 1p/1u	PC25 o0980601	1285F					
IGI	EDI o0980602	F24D8					
IL 12860 10x III: 8p/2u	PC25 o0980603 ZATU262	12860				12860	
ILDUM~a 1x IV: 1p	PC25-sq o0980604 ZATU263	F2253					
ILDUM~b 4x III: 4p	PC25-sq o0980605 ZATU263	F2254				F2254	
IM~a 12861 97x III: 65p/32u	PC25 o0980606 ZATU264	12861	12861		12861		12861
IM~a@g	EDI o0980607	F24D9					
IM~b 12862 13x III: 11p/2u	PC25 o0980608 ZATU264	12862	12862				12862
IN~b 12863 29x IV: 2p/1u; III: 23p/5u	PC25 o0980609 ZATU265	12863 F20FD	12863	12863		12863	
IN~d 12864 1x III: 1p	PC25 o0980610 ZATU266	12864					
IR~a 12865 47x IV: 2p; III: 43p/3u	PC25 o0980611 ZATU267	12865	12865	12865	12865		
 IR~a.GA₂~a1 1x III: 1p	PC25-sq o0980612	F2247					
IR~b 12866 2x III: 2p	PC25 o0980613 ZATU267	12866	12866				
IR~c 12867 1x IV: 1p; III: 1p	PC25 o0980614 ZATU267	12867			12867		
IR~d 12868 1x IV: 1p	PC25 o0980615 ZATU267	12868					
IR₁₁ 9x III: 5p/4u	PC25-sq o0980616 ZATU268	1 F20FF F20FE					
IRHAN	PC25-bk o0980617 ZATU269	F243D					

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
IŠ~a 12869		PC25	 1 F2100 12869 2 F2101 3 F2102		 F2100 12869		 F2102	
26x IV: 3p; III: 22p/4u	o0980618	ZATU270						
IŠ~b 1286A		PC25	 1286A 1 F2103 2 F2104 3 F2105 4 F2106 5 F2107	 1286A 1 F2103 2 F2104 3 F2105 4 F2106 5 F2107		 1286A 1286B F2103		
74x IV: 5p/1u; III: 52p/19u	o0980619	ZATU270						
IŠ~c 1286B		PC25	 1286B	 1286B				
2x IV: 1p; III: 1p/1u	o0980620	ZATU270						
KA~a 1286C		PC25	 1286C	 1286C	 1286C	 1286C	 1286C	
97x IV: 5p/1u; III: 52p/43u	o0980621	ZATU271						
KA~a.ŠE~a		PC25-sq	 1286C 1286C	 1286C				
1x III: 1p	o0980622	ZATU274	 1286C 1286C					
KA~a×SAR~a 1286D		PC25	 1286D	 1286D				
1x III: 1p	o0980623	ZATU273						
KA ₂ ~a 1286E		PC25	 1286E					
13x IV: 2p; III: 10p/2u	o0980624	ZATU275						
KA ₂ ~b 1286F		PC25	 1286F					
6x III: 4p/2u	o0980625	ZATU275						
KA ₂ ~c		UNP	 F243E	 F243E				
1x IV: 1u	o0980626	ZATU275						
KA ₂ ~d		EDI	 F24DA	 F24DA				
			 F24DA					
	o0980627							

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
KALAM~c 1287B 1x III: 1p	PC25 o0980643 ZATU282	1287B	1287B				
KALAM~d 1287C 1x III: 1p	PC25 o0980644 ZATU282	1287C	1287C				
KALAM~e 1287D 1x III: 1p	PC25 o0980645 ZATU282	1287D	1287D				
KALAM~f 1287E 1x III: 1p	PC25 o0980646 ZATU282	1287E	1287E				
KALAM~g 1287F 6x III: 6p	PC25 o0980647 ZATU282	1287F					1287F
KALAM~h 12880 3x III: 2p	PC25 o0980648 ZATU282	12880					12880
KALAM~h2 12881 1x III: 1p	PC25 o0980649 ZATU282	12881					12881
KAR PC25-sq 7x IV: 2u; III: 5p/1u	o0980650 ZATU283	F2272	F2272	F2272			
KAR ₂ ~a 12882 63x IV: 1p/1u; III: 51p/10u	PC25 o0980651 ZATU284	12882	12882	12882			12882
KAR ₂ ~b 12883 11x IV: 1p; III: 8p/2u	PC25 o0980652 ZATU284	12883	12883	12883			
KASKAL 12884 58x IV: 6p/1u; III: 31p/22u	PC25 o0980653 ZATU285	12884	12884	12884	12884	12884	12884
KASKAL@g CDLI: KASKAL@g 1x III: 1u	UNP o0980654	F2442	F2442				
KAŠ~a 12885 122x IV: 15p/4u; III: 97p/9u	PC25 o0980655 ZATU286	12885	1 F210C 12885	12885	12885	12885	12885
KAŠ~b 12886 126x IV: 32p/7u; III: 90p/21u	PC25 o0980656 ZATU286	12886	1 F210D 12886	12886	F210D 12886	12886	12886
KAŠ~b×ŠE~a@t 12887 AKA: KAŠ~b×ŠE~a CDLI: KAŠ~b×ŠE~a 2x IV: 2p	PC25 o0980657 ZATU288	12887	12887				
KAŠ~b@t CDLI: KAŠ~b@t	ZERO o0980658		F2443				

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
KIN ₂ -b 12896 1× III: 1p	PC25 o0980674 ZATU293	12896					12896
KIN ₂ -c 12897 13× III: 13p	PC25 o0980675 ZATU293	12897	12897				
KIN ₂ -d 12898 3× III: 3p	PC25 o0980676 ZATU293	12898	12898				
KIN ₂ -e 12899 1× IV: 1p; III: 1p	PC25 o0980677 ZATU293	12899 F210F	F210F				
KINGAL	PC25-sq	1 F2111 F2110	F2110	F2111			F2110
44× IV: 3p; III: 33p/10u	o0980678 ZATU294						
KIR ₁₁ 22× III: 7p/15u	PC25-sq o0980679	F225E	F225E				
KISAL~a1 1289A 15× IV: 13p; III: 6p/1u	PC25 o0980680 ZATU295	1289A	1289A	1289A			
KISAL~a2 1× IV: 1u	UNP o0980681 ZATU295	F2444	F2444				
KISAL~b1 1289B 222× IV: 30p/2u; III: 171p/39u	PC25 o0980682 ZATU295	1289B	1289B	1289B	1289B	1289B	1289B
KISAL~b2 1289C 7× III: 7p	PC25 o0980683 ZATU295	1289C	1289C				
KISAL~b2@t 1289D CDLI: KISAL~b2@t 2× III: 1p/1u	PC25 o0980684	1289D	1289D				
KISAL~b3 1289E 2× III: 2p	PC25 o0980685 ZATU295	1289E	1289E				
KISIM-a 1289F 62× IV: 1p; III: 56p/5u	PC25 o0980686 ZATU296	1289F	1289F				1289F
KISIM-b 128A0 23× III: 23p	PC25 o0980687 ZATU296	128A0 1 F2112 2 F2113 3 F2114	128A0 1 F2112 2 F2113 3 F2114	F2113			

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
KUŠU₂~b 128B5 7x IV: 3p/2u; III: 2p/1u	PC25 o0980717 ZATU305						
KUŠU₂~c 128B6 3x III: 2p/1u	PC25 o0980718 ZATU305						
KUŠU₂~d 128B7 1x III: 1p	PC25 o0980719 ZATU305						
KUŠU₂~e 128B8 1x IV: 1p	PC25 o0980720 ZATU305						
KUŠU₂~f 128B9 1x III: 1p	PC25 o0980721 ZATU305						
LA~b 128BA AKA: LA 3x IV: 1p; III: 3p	PC25 o0980722 ZATU306						
LA~c 1x III: 1u	UNP o0980723 ZATU306						
LA~d 128BB 1x IV: 1p; III: 1p	PC25 o0980724 ZATU306						
LA~e o0980725	EDI						
LA₂ 128BC 91x IV: 2p; III: 53p/36u	PC25 o0980726 ZATU307						
LAGAB~a 128BD 52x IV: 9p/1u; III: 20p/24u	PC25 o0980727 ZATU308						
LAGAB~a×BA 1x III: 1u	UNP o0980728						
LAGAB~a×BIR₃~b 2x III: 2u	UNP o0980729						
LAGAB~a×DU₆~a 128BE AKA: LAGAB~a×DU₆~b CDLI: LAGAB~a×DU₆~b 1x IV: 1p	PC25 o0980730 ZATU310						
LAGAB~a×KAK~a 1x III: 1u	UNP o0980731						
LAGAB~a×KU₆~a 128BF	PC25 o0980732 ZATU313						

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

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
LAL ₂ -a×NAGA-a 128DB 2× III: 2p	PC25 o0980782						
LAL ₂ -a×NIM-b2 128DC 3× III: 2p/1u	PC25 o0980783						
LAL ₂ -b 128DD 1× IV: 1p	PC25 o0980784 ZATU325						
LAL ₃ -a 128DE 5× III: 2p/3u	PC25 o0980785 ZATU327						
LAL ₃ -b 128DF 2× III: 1p/1u	PC25 o0980786 ZATU327						
LAL ₃ -c o0980787	EDI						
LAM-a 128E0 5× III: 4p/1u	PC25 o0980788 ZATU328						
LAM-b 128E1 61× IV: 12p/5u; III: 35p/19u	PC25 o0980789 ZATU328		 ₁ F2124 ₂ F2125	 ₁ F2124 ₂ F2125			
LAM-b@r 128E2 1× IV: 1p; III: 1p	PC25 o0980790						
LAM-b@s 128E3 CDLI: LAM-b@t 2× IV: 2p; III: 2p	UNP o0980791 ZATU329		 ₁ F2451	 ₁ F2451			
LAM-b@t 128E3 CDLI: LAM-b@t 2× IV: 2p; III: 2p	PC25 o0980792						
LAM-c o0980793	EDI						
LI 7× III: 7p	PC25-sq o0980794 ZATU330		 ₁ F2127	 ₁ F2127			
LIŠ 128E4 10× III: 3p/7u	PC25 o0980795 ZATU331						

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

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

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
MUL 12917 3x III: 2p/1u	PC25 o0980857 ZATU367	* 12917	* 12917	* 12917			
MUN~a1 12918 59x IV: 5p/2u; III: 33p/18u	PC25 o0980858 ZATU368	12918 F2134			12918 F2134		
MUN~a2 12919 4x III: 2p/2u	PC25 o0980859 ZATU368	12919 1 F2135		12919 F2135			
MUN~a3 1291A 2x IV: 1p; III: 1u	PC25 o0980860 ZATU368	1291A					
MUN~a4 1291B 1x III: 1p	PC25 o0980861 ZATU368	1291B		1291B			
MUN~b 1291C 2x III: 2p	PC25 o0980862 ZATU368	1291C		1291C			
MUNŠUB~a 1291D 2x IV: 2p	PC25 o0980863 ZATU369	1291D					
MUNŠUB~b 1291E 18x III: 1p/17u	PC25 o0980864 ZATU369	1291E		1291E			
MUNU ₃ 1291F 16x III: 15p/1u	PC25 o0980865 ZATU370	1291F		1291F			
MURUB ₂ 1290 5x III: 3p/2u	PC25-sq o0980866 ZATU371	F2259					
MUŠ 12920 3x III: 3p	PC25 o0980867 ZATU373	12920		12920			
MUŠ _{~a} 12921 339x IV: 59p/7u; III: 251p/66u	PC25 o0980868 ZATU374	1 F2137 2 F2138 12921	12921	12921 F2138 12921	12921 F2137 12921	12921	12921
MUŠ _{~a@g} 12922 6x IV: 2p/4u	PC25 o0980869 ZATU375	12922 1 F2136					
MUŠ _{~b} 12923 4x IV: 1p; III: 3p	PC25 o0980870 ZATU374	12923			12923		
MUŠEN 12924 321x IV: 24p/4u; III: 220p/80u	PC25 o0980871 ZATU376	12924 1 F2139		12924	12924 12924	12924	12924

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NA ₂ -b2 1292D	PC25						
7× III: 6p/1u 00980886 ZATU379							
NA ₂ -c 1292E	PC25						
1× III: 1p 00980887 ZATU379							
NAB 1292F	PC25						
20× III: 15p/4u 00980888 ZATU380							
NAGA-a 12930	PC25						
AKA: NAGA 163× IV: 16p/6u; III: 107p/37u 00980889 ZATU381							
NAGA-a×TAK ₄ -a 12931	PC25						
1× III: 1p 00980890							
NAGA-b 12932	PC25						
7× IV: 6p/1u; III: 2p 00980891 ZATU381							
NAGAR-a 12933	PC25						
100× IV: 40p; III: 52p/10u 00980892 ZATU382							
NAGAR-b 12934	PC25						
95× IV: 1p/1u; III: 90p/5u 00980893 ZATU382							
NAM-a 12935	PC25						
11× IV: 5p; III: 4p/3u 00980894 ZATU383							
NAM-b 12936	PC25						
3× IV: 3p; III: 3p 00980895 ZATU383							
NAM-c 12937	PC25						
4× IV: 1u; III: 3p 00980896 ZATU383							
NAM-d 12938	PC25						
5× IV: 1u; III: 2p/2u 00980897 ZATU383							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NAM ₂ 12939	PC25	12939 					
829x IV: 66p/12u; III: 580p/219u	o0980898 ZATU384			12939	12939	12939	12939
NAM ₂ ×1(N01) 1293A	PC25	1293A					
1x III: 1p	o0980899 ZATU385						
NAM ₂ @g 1293B	PC25	1293B					
1x III: 1p	o0980900 ZATU386			1293B			
NAM ₂ @t 1293C	PC25	1293C					
9x IV: 1p; III: 1p/8u	o0980901			1293C			
NAMEŠDA	PC25-sq	1 F2145 	1 F2145 2 F2144				
87x IV: 2p/1u; III: 69p/18u	o0980902 ZATU387						
NANNA~a	PC25-sq	1 F2146 1 F2147 2 F2148	1 F2146 1 F2147 2 F2148			1 F2146 1 F2147 2 F2148 (o)	
11x III: 6p/5u	o0980903 ZATU388						
NANNA~b	PC25-sq	F2265					
2x III: 2p	o0980904 ZATU388						
NANŠE~a 1293D	PC25	1293D					
6x IV: 2p; III: 4p/1u	o0980905 ZATU389						
NANŠE~b 1293E	PC25	1293E					
7x III: 7p	o0980906 ZATU389			1293E			
NAR 1293F	PC25	1293F 1 F2149					
127x IV: 5p; III: 64p/56u	o0980907 ZATU390						
NE~a 12940	PC25	12940 1 F214A 2 F214B 3 F214C					
345x IV: 50p/17u; III: 192p/89u	o0980908 ZATU391						
NE~b 12941	PC25	12941					
1x IV: 1p	o0980909 ZATU391						
NE~c 12942	PC25	12942 1 F214D	12942 1 F214D	12942 1 F214D			
3x IV: 1p; III: 3p	o0980910 ZATU391						

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

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NIM~a 1294D		PC25						
88x IV: 22p/6u; III: 64p/15u	o0980927 ZATU398		1294D		1294D		1294D	
NIM~b1 1294E		PC25						
68x IV: 2p; III: 42p/25u	o0980928 ZATU398		1294E		1294E		1294E	
NIM~b2 1294F		PC25						
22x IV: 3p; III: 12p/9u	o0980929 ZATU398		1294F		1294F	1294F	1294F	
NIM~b3 12950		PC25						
1x III: 1p	o0980930 ZATU398		12950				12950	
NIM~d		UNP						
1x	o0980931 ZATU398		F2531					
NIMGIR 12951		PC25	 1 F2151			 F2151	 12951	
84x IV: 23p/1u; III: 59p/15u	o0980932 ZATU399		12951		12951	12951	12951	
NIN		PC25-sq						
107x IV: 1p/1u; III: 68p/37u	o0980933 ZATU400		F225B		F225B		F225B	
NINDA ₂ 12952		PC25	 1 F2152		 12952	 F2152	 12952	
23x IV: 9p/3u; III: 15p/2u	o0980934 ZATU401		12952		12952		12952	
NINDA ₂ ~AN 12953		PC25						
2x III: 1p/1u	o0980935		12953					
NINDA ₂ ~(AN.HI) 12954		PC25						
2x III: 2p	o0980936		12954					
NINDA ₂ ~(AN.ME~a) 12955		PC25	 12955	 F2153	 3 F2153			
1x III: 1p	o0980937 ZATU406							
NINDA ₂ ~(AN.X)		PC25-bk						
1x III: 1p	o0980938		F245D		F245D			
NINDA ₂ ~BA		UNP						
1x III: 1u	o0980939 ZATU402		F245E					
NINDA ₂ ~EZEN~b 12956		PC25						
2x III: 2p	o0980940 ZATU403		12956					
NINDA ₂ ~GA'AR~a1 12957		PC25						
1x III: 1p	o0980941		12957					
NINDA ₂ ~GAR 12958		PC25						
3x IV: 1p/1u; III: 1p	o0980942 ZATU404		12958					

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NINDA ₂ ×U ₄] 12962 3× III: 1p/2u		PC25 o0980956 ZATU409	 12962				
NINDA ₂ ×(U ₄ .X) 1× III: 1u		UNP o0980957	 F2460				
NINDA ₂ ×(UDU~a×TAR~a) AKA: NINDA ₂ ×((UDU~a×TAR)~a) CDLI: NINDA ₂ ×((UDU~a×TAR)~a) 1× III: 1u		UNP o0980958 ZATU410	 F2461				
NINDA ₂ ×(UDU~a×TAR~b) AKA: NINDA ₂ ×((UDU~a+TAR)~b) 1× III: 1u		UNP o0980959 ZATU410	 F2462				
NINDA ₂ ×X 12× IV: 2p/1u; III: 4p/5u		PC25-bk o0980960	 F2463			 F2463	
NINDA ₂ ×(X.MAŠ) o0980961		EDI	 F250B				
NINDA ₂ ×(ZATU659×1(N01)) 12963 2× III: 2p		PC25 o0980962	 12963			 12963	
NINDA ₂ ×ZATU710 12964 3× III: 3p		PC25 o0980963	 12964				 12964
NINDA ₂ ×1(N01) 12965 7× IV: 3p/1u; III: 3p/1u		PC25 o0980964 ZATU411	 12965		 12965	 12965	
NINDA ₂ ×2(N01) 12966 1× III: 1p		PC25 o0980965 ZATU411	 12966				
NINDA ₂ ×1(N06) o0980966		EDI	 F2507				
NINDA ₂ ×(1(N06).HI@g~a) 12967 AKA: NINDA ₂ ×(HI@g~a.1(N06)) CDLI: NINDA ₂ ×(HI@g~a.1(N06)) 2× III: 1p/1u		PC25 o0980967 ZATU021	 12967				
NINDA ₂ ×1(N08) 12968 1× IV: 1p; III: 1p		PC25 o0980968 ZATU411	 12968		 12968		
NINKUM 10× III: 10p		PC25-sq o0980969 ZATU412	 F225C		 F225C		
NINLIL 4× III: 4p		PC25-sq o0980970 ZATU413	 F2233		 F2233		
NIR~a 12969 32× IV: 1u; III: 23p/7u		PC25 o0980971 ZATU414	 12969		 12969	 12969	

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

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
NUN~b 12978		PC25						
117x IV: 36p/3u; III: 49p/61u	o0980987	ZATU421						
NUN~b.U ₄ 1x III: 1p		PC25-sq						
1x III: 1p	o0980988							
NUN~b+EN~a 12979		PC25						
AKA: EN~a+NUN~b 9x III: 8p	o0980989	ZATU135						
NUN~c 1297A		PC25						
18x IV: 15p/2u; III: 8p	o0980990	ZATU421						
1297B		PC25						
4x IV: 3p; III: 1p	o0980991	ZATU421						
NUNUZ~a0 1297C		PC25						
AKA: NUNUZ~a1@n 13x III: 3p/10u	o0980992	ZATU423						
NUNUZ~a1 1297D		PC25						
184x IV: 3p/2u; III: 113p/67u	o0980993	ZATU423						
NUNUZ~a1@t CDLI: NUNUZ~a1@t 2x III: 2u	o0980994	UNP						
NUNUZ~a2 1297E		PC25						
14x IV: 6p; III: 5p/5u	o0980995	ZATU423						
NUNUZ~b1 1297F		PC25						
5x IV: 2p; III: 5p	o0980996	ZATU423						
NUNUZ~b2 1x III: 1u	o0980997	UNP						
NUNUZ~c 12980		PC25						
27x IV: 1p; III: 15p/11u	o0980998	ZATU423						
			<img alt="CDLI representation of NUNUZ~c					

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

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

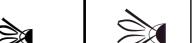
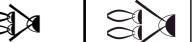
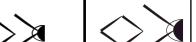
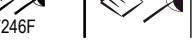
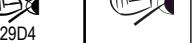
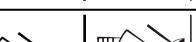
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SA~a 12996 25x IV: 1p; III: 16p/8u	PC25 o0981026 ZATU436	12996	12996	12996	12996		
SA~c 12997 53x III: 40p/12u	PC25 o0981027 ZATU436	12997 1 F2166	12997 1 F2166				
SAG 12998 417x IV: 34p/8u; III: 277p/109u	PC25 o0981028 ZATU437	1 F2168 2 12998 2 F2169	1 F2168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

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
SI₄~d 129B8	PC25 	129B8 			129B8 	F216E 	
4x IV: 1p; III: 4p o0981071 ZATU450		1 F216E 					
SI₄~f 129B9	PC25 	129B9 				F216F 	129B9
73x III: 57p/16u o0981072 ZATU450		1 F216F 					
SIG 129BA	PC25 	129BA 	129BA 	129BA 	129BA 	129BA 	
92x IV: 7p; III: 56p/31u o0981073 ZATU451							
SIG~b	UNP o0981074 ZATU451	F2532 					
SIG@g	UNP o0981075	F246C 					
SIG₂~a1 129BB	PC25 	129BB 	129BB 				
AKA: SIG ₂ ~a 26x IV: 1u; III: 14p/10u o0981076 ZATU452							
SIG₂~a2 129BC	PC25 	129BC 	129BC 	F2170 	129BC 	F2170 	
23x IV: 3p/3u; III: 17p/2u o0981077 ZATU452		1 F2170 					
SIG₂~a3 129BD	PC25 	129BD 	129BD 	129BD 	129BD 	F2171 	
21x IV: 6p/1u; III: 16p/3u o0981078 ZATU452		1 F2171 	2 F2172 				
SIG₂~a4 129BE	PC25 o0981079 ZATU452	129BE 	129BE 				
2x IV: 1p; III: 1p o0981079 ZATU452							
SIG₂~b 129BF	PC25 o0981080 ZATU452	129BF 	129BF 	129BF 	129BF 	129BF 	
158x IV: 17p/16u; III: 80p/51u o0981080 ZATU452							
 SIG₂-b×1(N14) 	UNP o0981081 ZATU453	F246D 	129C0 				
3x IV: 3u o0981081 ZATU453							
 SIG₂-b&SIG₂-b 129C0	PC25 o0981082	129C0 					
AKA: SIG ₂ -b.SIG ₂ -b CDLI: SIG ₂ -b.SIG ₂ -b 2x III: 2p o0981082							
SIG₂~c1 129C1	PC25 o0981083 ZATU452	129C1 	129C1 	129C1 	129C1 	129C1 	
2x IV: 1p; III: 1p o0981083 ZATU452							

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

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

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

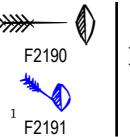
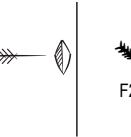
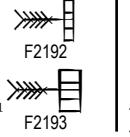
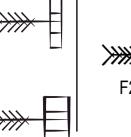
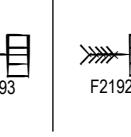
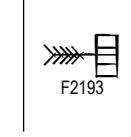
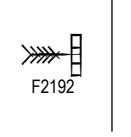
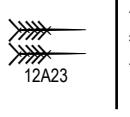
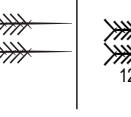
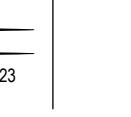
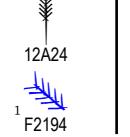
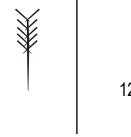
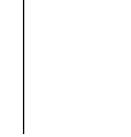
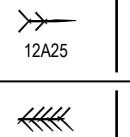
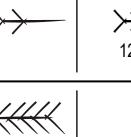
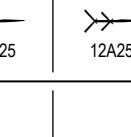
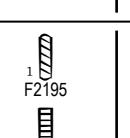
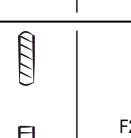
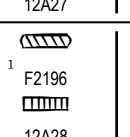
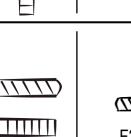
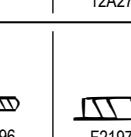
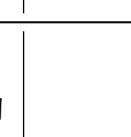
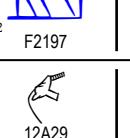
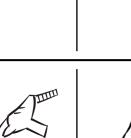
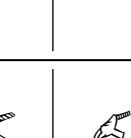
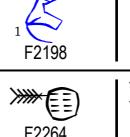
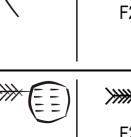
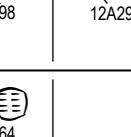
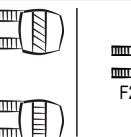
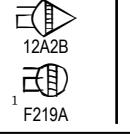
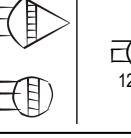
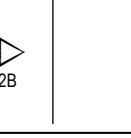
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SILA _{3~b} xDUG~a	EDI o0981132	F250F					
SILA _{3~b} xGUG ₂ 129EC 1x III: 1p	PC25 o0981133	129EC					
SILA _{3~b} xNAGA~b 129ED 1x IV: 1p; III: 1p	PC25 o0981134 ZATU471	129ED			129ED		
SILA _{3~b} xAI~a 129EE 1x III: 1p	PC25 o0981135 ZATU460	129EE					
SILA _{3~b} xAI~b 129EF 1x III: 1p	PC25 o0981136 ZATU460	129EF	129EF	129EF			
SILA _{3~c} 1x III: 1u	UNP o0981137 ZATU456	F2472	129				
SILA _{3~c} xŠU 1x IV: 1u	UNP o0981138 ZATU476	F2473					
SILA _{3~c} xZATU687 129F0 1x III: 1p	PC25 o0981139 ZATU480	129F0	129F0	129F0			
SILA _{3~d} xAI~a 2x III: 2u	UNP o0981140 ZATU460	F2474					
SILA _{4~a} 129F1 17x III: 10p/7u	PC25 o0981141 ZATU482	129F1	129F1	129F1			
SILA _{4~b} 129F2 31x IV: 6p/1u; III: 20p/8u	PC25 o0981142 ZATU482	129F2	129F2	129F2			
SILA _{4~c} 129F3 83x IV: 8p/1u; III: 45p/35u	PC25 o0981143 ZATU482	129F3 1 F2176	129F3	129F3			
SILA _{4~d} 129F4 1x III: 1p	PC25 o0981144 ZATU482	129F4	129F4	129F4			
SILANITA 129F5 AKA: SILANITA~a 26x III: 20p/6u	PC25 o0981145 ZATU483	129F5					
SIMUG 129F6 13x IV: 1p; III: 10p/3u	PC25 o0981146 ZATU484	129F6 1 F2177	129F6 F2177	129F6 F2177			

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

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

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

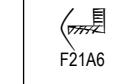
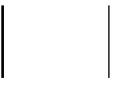
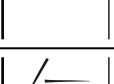
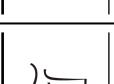
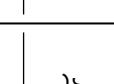
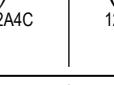
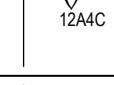
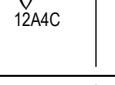
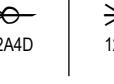
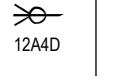
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ŠAGINA 12A1A 1x IV: 1p o0981190 ZATU507	PC25 12A1A						
ŠAH ₂ ~a 12A1B 27x IV: 4p; III: 23p/3u o0981191 ZATU508	PC25 12A1B						
ŠAH ₂ ~b 12A1C 1x III: 1p o0981192 ZATU508	PC25 12A1C						
ŠAH ₂ ~c 12A1D 1x IV: 1p o0981193 ZATU508	PC25 12A1D						
ŠAKIR~a 12A1E 3x III: 3p o0981194 ZATU509	PC25 12A1E						
ŠAKIR~b 12A1F 8x III: 7p/1u o0981195 ZATU509	PC25 12A1F						
ŠAKIR~c 12A20 47x III: 32p/15u o0981196 ZATU509	PC25 12A20 F218E						
ŠAM ₂ 12A21 66x IV: 3p/2u; III: 57p/8u o0981197 ZATU510	PC25 12A21 F218F						
ŠANDANA~a 2x III: 2p o0981198	PC25-sq F223B						
ŠANDANA~b 1x III: 1u o0981199	UNP F223A						
ŠE~a 12A22 1204x IV: 87p/6u; III: 889p/232u o0981200 ZATU511	PC25 12A22						
ŠE~a.GAR 2x III: 2p o0981201	PC25-sq F2228 1 F2229						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ŠE~a.KIN _{2~c} 5x III: 5p o0981202 ZATU512	PC25-sq	 F2190 1 F2191		 F2191			
ŠE~a.NAM ₂ AKA: ŠE~a×NAM ₂ ŠE~a×NAM ₂ 109x IV: 10p; III: 64p/39u o0981203 ZATU513	PC25-sq	 F2192 1 F2193		 F2193	 F2192	 F2193	 F2192
ŠE~a&ŠE~a 12A23 29x IV: 1p; III: 24p/4u o0981204 ZATU515	PC25	 12A23		 12A23		 12A23	 12A23
ŠE~a@t 12A24 14x IV: 2p; III: 9p/5u o0981205	PC25	 12A24 1 F2194		 12A24	 12A24		
ŠE~b 12A25 6x IV: 1p; III: 5p o0981206 ZATU511	PC25	 12A25		 12A25	 12A25		
ŠE~c 12A26 2x IV: 1p/1u o0981207 ZATU511	PC25	 12A26					
ŠE ₃ 12A27 175x IV: 13p/10u; III: 112p/48u o0981208 ZATU516	PC25	 1 F2195 12A27		 F2195	 F2195 12A27	 12A27	 F2195
ŠE ₃ @t 12A28 11x IV: 1p/1u; III: 8p/2u o0981209 ZATU518	PC25	 1 F2196 12A28 2 F2197		 F2196	 F2197		
SEG ₉ 12A29 31x IV: 8p; III: 27p/3u o0981210 ZATU519	PC25	 12A29 1 F2198		 F2198	 12A29		
ŠELU 32x IV: 25p; III: 6p/1u o0981211 ZATU520	PC25-sq	 F2264		 F2264			
ŠEN~a 12A2A 19x IV: 1u; III: 14p/4u o0981212 ZATU521	PC25	 1 F2199 12A2A		 F2199		 F2199	 F2199
ŠEN~b 12A2B 52x IV: 1p; III: 49p/2u o0981213 ZATU521	PC25	 1 F219A		 12A2B			

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ŠEN~c 12A2C	PC25 12A2C 2x III: 1p o0981214 ZATU521	F219B 1	F219B				
ŠEN~c@t 12A2D	PC25 12A2D 28x III: 28p o0981215						
ŠEN~d	ZERO o0981216 ZATU521	 1 F219C F219D 2 F219E	 				
ŠEN~dxA 12A2E	PC25 12A2E 1x III: 1p o0981217						
ŠEN~e 12A2F	PC25 12A2F 6x III: 6p o0981218 ZATU521					12A2F	
ŠENNUR~a 12A30	PC25 12A30 10x III: 9p/1u o0981219 ZATU522						
ŠENNUR~b 12A31	PC25 12A31 2x III: 1p/1u o0981220 ZATU522						
ŠEŠ~a 12A32	PC25 12A32 25x IV: 11p/3u; III: 10p/4u o0981221 ZATU523	 1 F219F	 1 F219F				F219F
ŠEŠ~b 12A33	PC25 12A33 1x IV: 1p; III: 1p o0981222 ZATU523				12A33		
ŠIDIM 12A34	PC25 12A34 36x IV: 6p/3u; III: 23p/5u o0981223 ZATU524					12A34	12A34
ŠIDIM@t	UNP 1x IV: 1u o0981224	 F2477					
ŠIM~a 12A35	PC25 12A35 56x IV: 2p/2u; III: 50p/3u o0981225 ZATU525	 1 F21A0 12A35 2 F21A1	 	 		12A35	12A35
ŠIM~b 12A36	PC25 3x IV: 1p/1u; III: 1p/1u o0981226 ZATU525						
ŠIR~a 12A37	PC25 16x IV: 2p/4u; III: 11p/1u o0981227 ZATU526	 1 F21A2 12A37	 	 		12A37	F21A2

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ŠIR~b 12A38	PC25	1 F21A3 2 F21A4 12A38			F21A3 F21A4 12A38		
7x IV: 4p; III: 3p/2u 00981228 ZATU526							
ŠITA~a1 12A39	PC25						
AKA: ŠITA~a 346x IV: 38p/10u; III: 243p/76u 00981229 ZATU527		12A39	12A39	12A39	12A39	12A39	12A39
ŠITA~a1×KAK~a 12A3A	PC25						
2x III: 2p 00981230 ZATU529		12A3A	12A3A	12A3A			
ŠITA~a1×ŠU 12A3B	PC25						
2x III: 2p 00981231 ZATU528		12A3B	12A3B	12A3B			
ŠITA~a1×ŠU ₂	UNP						
1x III: 1u 00981232		F2478	12A39				
ŠITA~a1×UDU~a	UNP						
5x III: 5u 00981233		F2479	12A39				
ŠITA~a1×(N06)	UNP						
3x III: 3u 00981234		F247A	12A39				
ŠITA~a2 12A3C	PC25						
1x III: 1p 00981235 ZATU527		12A3C	12A3C				
ŠITA~a3 12A3D	PC25						
29x IV: 10p; III: 20p/4u 00981236 ZATU527		12A3D	12A3D	12A3D	12A3D	12A3D	12A3D
ŠITA~b1 12A3E	PC25						
26x IV: 7p/4u; III: 16p/2u 00981237 ZATU527		12A3E	12A3E	12A3E	12A3E		
ŠITA~b2 12A3F	PC25						
6x IV: 1p; III: 4p/2u 00981238 ZATU527		12A3F	12A3F				
ŠITA~b2@gxHI@g~a 12A40	PC25						
AKA: ŠITA~b1×HI@g~a CDL: ŠITA~b1×HI@g~a 1x IV: 1p; III: 1p 00981239		12A40	12A40		(b1) 12A40		
ŠITA~b3 12A41	PC25						
6x IV: 3p; III: 5p 00981240 ZATU527		12A41	12A41	12A41	12A41	12A41	12A41
ŠITA~b3×NAM ₂ 12A42	PC25						
1x IV: 1p; III: 1p 00981241		12A42	12A42				
ŠITA~c	EDI						
	00981242	F24EB	12A39				

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

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
TAG~a4 12A5A 2x IV: 1p; III: 2p	PC25 o0981287 ZATU547	12A5A	12A5A	12A5A			
TAG~b 12A5B 14x IV: 2p/1u; III: 13p	PC25 o0981288 ZATU547	1 F21B3	1 F21B3	F21B3	F21B3		
TAG~c 12A5C 1x III: 1p	PC25 o0981289 ZATU547	12A5C	12A5C				
TAG~d 12A5D 3x III: 2p/1u	PC25 o0981290 ZATU547	12A5D	12A5D			12A5D	
TAK ₄ ~a 12A5E 188x IV: 6p/3u; III: 123p/58u	PC25 o0981291 ZATU548	1 F21B4 12A5E	12A5E	12A5E		12A5E	12A5E
TAK ₄ ~a@n 12A5F 1x III: 1p	PC25 o0981292	12A5F	12A5F			12A5F	
TAK ₄ ~c 12A60 3x III: 2p/1u	PC25 o0981293 ZATU548	12A60	12A60				
TAR~a 12A61 100x IV: 5p; III: 80p/16u	PC25 o0981294 ZATU549	12A61	12A61	12A61		12A61	12A61
TAR~d	EDI o0981295	F24EE	F24EE				
TE 12A62 AKA: TE~a 350x IV: 63p/5u; III: 239p/86u	PC25 o0981296 ZATU550	12A62	12A62	12A62	12A62	12A62	12A62
TI 12A63 AKA: TI~a 103x IV: 9p/8u; III: 62p/34u	PC25 o0981297 ZATU551	12A63 1 F21B5					
TI@g 12A64 1x III: 1p	PC25 o0981298	12A64	12A64	12A64			
TI@r 12A65 2x III: 2p	PC25 o0981299	12A65	12A65				
TI@t 12A66 17x IV: 1p; III: 13p/4u	PC25 o0981300	12A66	12A66	12A66	12A66		
TIDNUM 1x III: 1p	PC25-sq o0981301 ZATU552	F2241	F2241	F2241			

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
U₂~b 12A7D	PC25	F21C0 12A7D 2 F21C1	F21C0 12A7D 2 F21C1	12A7D	F21C0 12A7D F21C1	12A7D	F21C0
170x IV: 15p/2u; III: 102p/59u	o0981330 ZATU565						
U₂~c 12A7E	PC25	12A7E	12A7E				
1x IV: 1p	o0981331 ZATU565						
U₄ 12A7F	PC25	12A7F	12A7F	12A7F	12A7F	12A7F	12A7F
602x IV: 77p/13u; III: 435p/112u	o0981332 ZATU566						
U ₄ .ŠU ₂	PC25-sq	F2275	F2275	F2275	F2275		
11x IV: 2p; III: 9p/2u	o0981333 ZATU568						
U ₄ .1(N08)	PC25-sq	F2276	F2276			F2276	
48x III: 32p/16u	o0981334						
U ₄ .2(N08)	PC25-sq	F2277	F2277			F2277	
12x IV: 1p; III: 11p	o0981335						
U ₄ .3(N08)	PC25-sq	F2278	F2278			F2278	
10x III: 8p/2u	o0981336						
U ₄ .4(N08)	PC25-sq	F2279	F2279			F2279	
2x III: 2p	o0981337						
U ₄ .5(N08)	PC25-sq	F227A	F227A			F227A	
6x III: 5p/1u	o0981338						
U ₄ .6(N08)	PC25-sq	F227B	F227B				
4x III: 4p	o0981339						
U ₄ .7(N08)	PC25-sq	F227C	F227C				
2x III: 1p/1u	o0981340						
U ₄ .8(N08)	PC25-sq	F227D	F227D				
1x III: 1p	o0981341						
U ₄ .1(N14)	PC25-sq	F227E	F227E				
1x III: 1p	o0981342						
U ₄ .1(N14).1(N08)	PC25-sq	12A7F					
AKA: (U ₄ .1(N14)).1(N08)							
1x III: 1p	o0981343						
U ₄ .1(N14).3(N08)	PC25-sq	F227F	F227F				
CDLI: U ₄ .(1(N14).3(N08))							
2x III: 2p	o0981344						
U ₄ .1(N14).4(N08)	PC25-sq	F2280	F2280			F2280	
CDLI: U ₄ .(1(N14).4(N08))							
1x III: 1p	o0981345						
U ₄ .1(N14).5(N08)	PC25-sq	F2281	F2281			F2281	
CDLI: U ₄ .(1(N14).5(N08))							
4x III: 2p/2u	o0981346						
U ₄ .1(N14).8(N08)	PC25-sq	F2282	F2282				
CDLI: U ₄ .(1(N14).8(N08))							
1x III: 1p	o0981347						

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

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
UBI~c 12A9E 8x III: 8p	PC25 	 12A9E F21C5					
UBI~d 12A9F 2x III: 2p	PC25 						
UD ₅ ~a 12AA0 224x IV: 46p/2u; III: 132p/83u	PC25 	 1 F21C6 12AA0 2 F21C7		 12AA0 F21C7			
UD ₅ ~a@g 12AA1 1x III: 1p	PC25 						
UD ₅ ~b 12AA2 2x IV: 2p; III: 2p	PC25 						
UD ₅ ~c 12AA3 2x IV: 2p; III: 2p	PC25 						
UDU~a 12AA4 AKA: UDU 586x IV: 77p/17u; III: 379p/148u	PC25 	 12AA4					
UDU~a×TAR~a 12AA5 CDLI: (UDU~a×TAR~a) 8x IV: 2p; III: 2p/4u	PC25 	 12AA5					
UDU~a×TAR~b 12AA6 CDLI: (UDU~a×TAR~b) 19x III: 10p/9u	PC25 	 12AA6					
UDU~b 1x IV: 1u	UNP o0981405 ZATU575	 F2486					
UDU~c 12AA7 6x IV: 1u; III: 4p/1u	PC25 	 12AA7					
UDUNITA~a 12AA8 198x IV: 33p; III: 122p/73u	PC25 	 12AA8		 12AA8	 12AA8	 12AA8	 12AA8
UDUNITA~b 12AA9 1x IV: 1p; III: 1p	PC25 	 12AA9			 12AA9		
UDUNITA~c 12AAA 14x IV: 7p; III: 13p	PC25 	 12AAA			 12AAA		

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

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
UR _{5~a} 12AD1 74x IV: 1p/1u; III: 57p/16u	PC25 o0981455 ZATU593	12AD1				12AD1	12AD1
UR _{5~b} 12AD2 4x III: 4p	PC25 o0981456 ZATU593	12AD2		12AD2			
URI 12AD3 29x IV: 1p/1u; III: 20p/7u	PC25 o0981457 ZATU594	12AD3		12AD3	12AD3	12AD3	12AD3
URI ₂	EDI o0981458		F228E	F228E			
URI _{3~a} 12AD4 110x IV: 7p; III: 58p/45u	PC25 o0981459 ZATU595	12AD4 1 F21CF	12AD4 1 F21CF	F21CF		F21CF	F21CF
URI _{3~a+IB~a}	EDI o0981460		F228D	F228D			
URI _{3~b}	PC25-sq o0981461 ZATU595		F228C	F228C			
URI ₅ 12AD5 8x III: 4p/4u	PC25 o0981462 ZATU596	12AD5	12AD5	12AD5			
URU~a1	PC25 12AD6 169x IV: 9p/3u; III: 112p/46u	12AD6 1 o0981463 ZATU597	12AD6	12AD6	12AD6	12AD6	12AD6
URU~a1xA	EDI o0981464		F2515	F2515			
URU~a1xAMAR	PC25 12AD7 2x IV: 2p; III: 2p	12AD7	12AD7		12AD7		
URU~a1xGU ₄	UNP 1x III: 1u	F248B	F248B				
URU~a1xHI@g~a	PC25 12AD8 1x III: 1p	12AD8	12AD8			12AD8	
URU~a1xKI	PC25 12AD9 2x III: 2p	12AD9					12AD9
URU~a1xNIMGIR	PC25 12ADA 1x IV: 1p; III: 1p	12ADA	12ADA		12ADA		
URU~a1xU ₄	PC25 12ADB 1x III: 1p	12ADB	12ADB			12ADB	
URU~a1xX	PC25-bk o0981471		F248C	F248C		F248C	

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

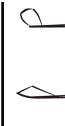
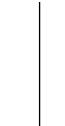
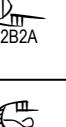
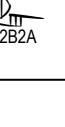
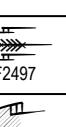
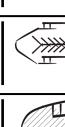
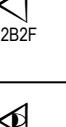
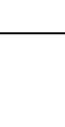
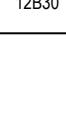
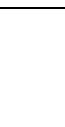
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
URUDU@g~d 12AE8	PC25 o0981488 ZATU603	12AE8					
5x III: 2p/3u							
UŠ~a 12AE9	PC25 o0981489 ZATU604	12AE9 F21D2	12AE9	12AE9		12AE9	
87x IV: 33p/3u; III: 61p/17u	1						
UŠ~a&UŠ~a 12AEA	PC25 o0981490	12AEA		12AEA			
9x IV: 9p; III: 9p							
UŠ~b 12AEB	PC25 o0981491 ZATU604	12AEB F21D3	12AEB	12AEB F21D3			
9x IV: 1p/1u; III: 4p/4u	1						
UŠ~b×TAR~c 12AEC	PC25 o0981492 ZATU605	1 F21D4 12AEC					
2x IV: 2p; III: 1p							
UŠ~b×TAR~d	EDI o0981493	F2516					
UŠ~b&UŠ~b 12AED	PC25 o0981494	12AED	12AED				
2x IV: 2p; III: 2p							
UŠUMGAL	PC25-sq o0981495 ZATU607	F2239	F2239				
5x III: 3p/2u							
UŠUR ₃ ~a	EDI o0981496	F24F0	F24F0	1 F24F0 (b1)			
UŠUR ₃ ~b1 12AEE	PC25 o0981497 ZATU608	12AEE	12AEE	1 F24F0 (b2) 12AEE			
1x III: 1p							
UŠUR ₃ ~b2 12AEF	PC25 o0981498 ZATU608	12AEF	12AEF				
1x III: 1p							
UTUA~a 12AF0	PC25 o0981499 ZATU609	12AF0		12AF0	12AF0	12AF0	
123x IV: 40p/3u; III: 70p/46u							
UTUA~a@t 12AF1	PC25 o0981500	12AF1		12AF1			
1x IV: 1p; III: 1p							
UTUA~b 12AF2	PC25 o0981501 ZATU609	1 F21D5 12AF2	1 F21D5 12AF2	F21D5 12AF2			
14x IV: 4p; III: 12p/2u							
UTUL~a 12AF3	PC25 o0981502 ZATU610	12AF3	12AF3	12AF3	12AF3	12AF3	
38x IV: 3p/1u; III: 30p/7u							

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

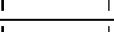
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZAR~c 12AFF	PC25						
8x IV: 6p/1u; III: 6p o0981519 ZATU616							
ZI~a 12B00	PC25						
125x IV: 3p/1u; III: 91p/31u o0981520 ZATU617							
ZI~b 12B01	PC25						
2x IV: 2p; III: 2p o0981521 ZATU617							
ZI~d 12B02	PC25						
2x III: 2p o0981522 ZATU617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

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

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

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

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU683@t CDL: ZATU683@t 1x III: 1u	UNP 00981613						
ZATU684 12B50 2x III: 1p/1u	 00981614 ZATU684						
ZATU685 12B51 1x IV: 1p	 00981615 ZATU685						
ZATU686~a 12B52 40x IV: 1p/1u; III: 25p/14u	 00981616 ZATU686						
ZATU686~b 12B53 14x III: 9p/5u	 00981617 ZATU686						
ZATU686~c 12B54 2x III: 2p	 00981618 ZATU686						
ZATU687 12B55 15x IV: 3p; III: 4p/9u	 00981619 ZATU687						
ZATU688~a 12B56 4x IV: 4p	 00981620 ZATU688						
ZATU688~b 12B57 1x IV: 1p; III: 1p	 00981621 ZATU688						
ZATU689 12B58 3x IV: 3p; III: 3p	 00981622 ZATU689						
ZATU690 12B59 2x IV: 1p/1u; III: 1p	 00981623 ZATU690						
ZATU691 12B5A 1x IV: 1p	 00981624 ZATU691						
ZATU692 12B5B 1x IV: 1p; III: 1p	 00981625 ZATU692						
ZATU693 12B5C 31x IV: 29p/1u; III: 25p	 00981626 ZATU693	  			  		
ZATU693@t 12B5D 1x IV: 1p; III: 1p	 00981627	 					

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU702 12B6A 3x IV: 1p; III: 3p o0981643 ZATU702	PC25						
ZATU703 12B6B 21x IV: 3p; III: 18p/3u o0981644 ZATU703	PC25						
ZATU704 12B6C 3x IV: 2p; III: 1p o0981645 ZATU704	PC25-bk						
ZATU705 12B6D 1x IV: 1p; III: 1p o0981646 ZATU705	PC25						
ZATU706 12B6E 2x IV: 2p o0981647 ZATU706	PC25						
ZATU707-a 12B6F 11x IV: 1u; III: 9p/1u o0981648 ZATU707	PC25						
ZATU707-b 12B6G 2x IV: 2p o0981649 ZATU707	PC25						
ZATU708 12B70 2x IV: 1p; III: 2p o0981650 ZATU708	PC25						
ZATU709 12B71 1x IV: 1p; III: 1p o0981651 ZATU709	PC25						
ZATU710 12B72 52x III: 46p/5u o0981652 ZATU710	PC25						
ZATU711 12B73 6x IV: 3p; III: 2p/1u o0981653 ZATU711	PC25						
ZATU711@g~a 12B74 2x IV: 2p; III: 2p o0981654 ZATU712	PC25						
ZATU711-x 1x IV: 1p; III: 1p o0981655 ZATU713	PC25-bk						
ZATU713 12B75 7x IV: 7p o0981656 ZATU713	PC25						
ZATU714 12B76 40x IV: 2p/1u; III: 29p/10u o0981657 ZATU714	PC25						

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU728 12B84	PC25 o0981674	ZATU728					
9x III: 5p/4u							
ZATU729 12B85	PC25 o0981675	ZATU729	1 F21F8		F21F8		
7x IV: 6p; III: 6p							
ZATU730 12B86	PC25 o0981676	ZATU730					
1x III: 1p							
ZATU732 12B87	PC25 o0981677	ZATU732	1 F21F9	F21F9			
8x III: 8p							
ZATU733	UNP	ZATU733	F24A0				
1x III: 1u							
ZATU734 12B88	PC25 o0981679	ZATU734	12B88		12B88		
1x IV: 1p							
ZATU735-a 12B89	PC25 o0981680	ZATU735	12B89			12B89	12B89
8x III: 5p/3u							
ZATU735-b 12B8A	PC25 o0981681	ZATU735	1 F21FA 2 F21FB 12B8A	12B8A 12B8A 12B8A	12B8A F21FB 12B8A	12B8A F21FB 12B8A	
20x IV: 3p; III: 17p/3u							
ZATU735-c 12B8B	PC25 o0981682	ZATU735	12B8B				12B8B
1x III: 1p							
ZATU736-a 12B8C	PC25 o0981683	ZATU736	12B8C		12B8C		12B8C
2x IV: 1p; III: 1p							
ZATU736-b 12B8D	PC25 o0981684	ZATU736	12B8D	12B8D			
1x IV: 1p; III: 1p							
ZATU737 12B8E	PC25 o0981685	ZATU737	1 F21FC 2 F21FD	12B8E 12B8E 12B8E	12B8E 12B8E		
4x IV: 1p; III: 3p/1u							
ZATU737xAB~a 12B8F	PC25 o0981686	ZATU738	12B8F				
1x III: 1p							
ZATU737xBU~a 12B90	PC25 o0981687		12B90				
1x III: 1p							

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

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

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

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

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

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ZATU836 12BE1	PC25 12BE1	12BE1					
2x III: 1p/1u	o0981798 ZATU836						
ZATU837~a	UNP	F24BC					
3x III: 3u	o0981799 ZATU837						
ZATU837~b	UNP	F24BD					
1x III: 1u	o0981800 ZATU837						
ZATU838	UNP	F24BE					
3x III: 3u	o0981801 ZATU838						
ZATU839	UNP	F2219 1 F221A					
6x III: 6u	o0981802 ZATU839						
ZATU840	UNP	F24BF					
1x III: 1u	o0981803 ZATU840						
ZATU841	UNP	F24C0					
2x III: 2u	o0981804 ZATU841						
ZATU842	UNP	F24C1					
1x	o0981805 ZATU842						
ZATU843	UNP	F24C2					
1x III: 1u	o0981806 ZATU843						
ZATU844	UNP	F24C3					
1x IV: 1u	o0981807 ZATU844						
ZATU845	UNP	F24C4					
1x III: 1u	o0981808 ZATU845						
ZATU846	UNP	F24C5					
1x III: 1u	o0981809 ZATU846						
ZATU847 12BE2	PC25 12BE2	12BE2					
6x III: 2p/4u	o0981810 ZATU847						
ZATU848	UNP	F24C6					
1x III: 1u	o0981811 ZATU848						
ZATU849	UNP	F24C7					
2x III: 2u	o0981812 ZATU849						
ZATU850 12BE3	PC25 12BE3	12BE3					
4x III: 4p	o0981813 ZATU850						
ZATU851 12BE4	PC25 12BE4	1 F221B					F221B
1x III: 1p	o0981814 ZATU851						
ZATU852	UNP	F24C8					
1x III: 1u	o0981815 ZATU852						

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

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

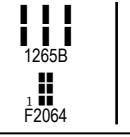
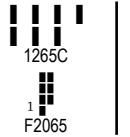
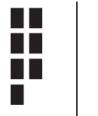
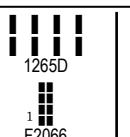
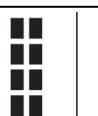
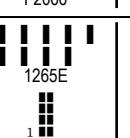
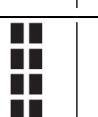
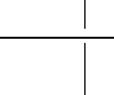
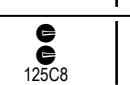
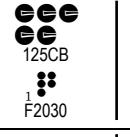
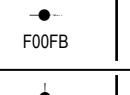
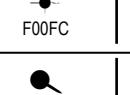
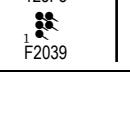
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
9(N01@f)	ACN	12654 1 F2062	12589				
o0981846							
1(N01@r)	ACN		12589				
CDLI: 1(N01@r) 2x IV: 1p; III: 1p	o0981847						
1(N02)	ACN	125BE	125BF				
165x IV: 45p/10u; III: 99p/38u	o0981848 ZATU606		1 F2029				
2(N02)	ACN		125BF				
99x IV: 28p/20u; III: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

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

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

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

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

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

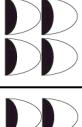
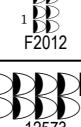
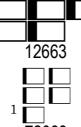
PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
6(N18)		ACN	125F9 1 F203A	125F9				
2× IV: 1p; III: 1p	o0981947							
7(N18)		ACN	125FA 1 F203B	125FA				
1× III: 1p	o0981948							
8(N18)		ACN	125FB 1 F203C	125FB				
2× III: 2p	o0981949							
9(N18)		ACN	125FC 1 F203D	125FC				
2× III: 2p	o0981950			1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

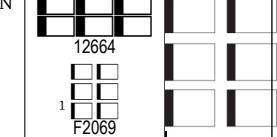
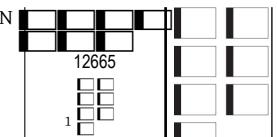
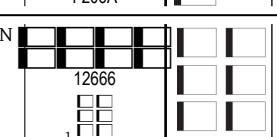
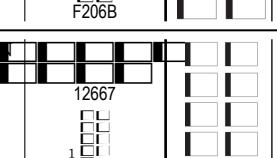
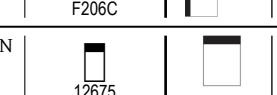
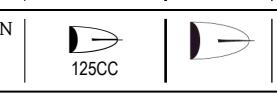
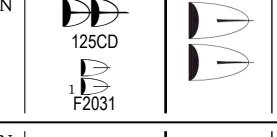
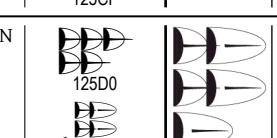
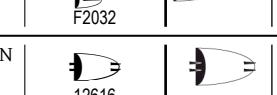
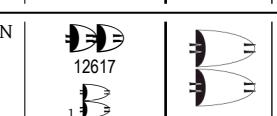
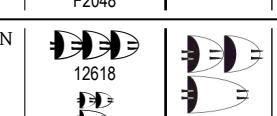
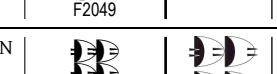
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
1(N19@f) o0981960	ACN 1267B						
2(N19@f) o0981961	ACN 1267C						
3(N19@f) o0981962	ACN 1267D						
4(N19@f) o0981963	ACN 1267E						
5(N19@f) o0981964	ACN 1267F 1 F2075	 					
6(N19@f) o0981965	ACN 12680 1 F2076	 					
7(N19@f) o0981966	ACN 12681 1 F2077	 					
8(N19@f) o0981967	ACN 12682 1 F2078	 					
9(N19@f) o0981968	ACN 12683 1 F2079	 					
1(N20) 62x IV: 11p; III: 52p/5u o0981969	ACN 12636						
2(N20) 50x IV: 7p/1u; III: 34p/13u o0981970	ACN 12637						
3(N20) 24x IV: 4p; III: 18p/3u o0981971	ACN 12638						
4(N20) 17x IV: 2p; III: 11p/4u o0981972	ACN 12639						
5(N20) 12x IV: 1p; III: 5p/6u o0981973	ACN 1263A 1 F2055	 					
6(N20) 9x III: 8p/1u o0981974	ACN 1263B 1 F2056	 					

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
7(N20)		ACN	1263C 1263D	1 F2057				
4x IV: 1p; III: 4p	o0981975							
8(N20)		ACN	1263C 1263D	1 F2058				
6x III: 4p/2u	o0981976							
9(N20)		ACN	1263C 1263E	1 F2059				
5x IV: 1p; III: 4p	o0981977							
1(N21)		ACN	125DA					
	o0981978							
2(N21)		ACN	125DB	1 125DC				
5x III: 5p	o0981979							
3(N21)		ACN	125DC	1 125DD				
9x III: 8p/1u	o0981980							
4(N21)		ACN	125DD	1 125DE				
4x III: 4p	o0981981							
5(N21)		ACN	125DE 1 F2033	1 F2033				
2x III: 2p	o0981982							
6(N21)		PC25	F00E0	1 F00E0				
1x IV: 1p	o0981983							
1(N22)		ACN	1258C	1 1258D				
89x IV: 4p; III: 45p/41u	o0981984							
2(N22)		ACN	1258D	1 1258D				
56x IV: 2p; III: 31p/23u	o0981985							
1(N22~v)		PC25	F00FD	1 F00FD				
1x III: 1p	o0981986							
1(N22@f)		ACN	1266A	1 1266B				
	o0981987							
2(N22@f)		ACN	1266B	1 1266B				
	o0981988							
1(N23)		Pelm	F00FE	1 F00FF				
2x III: 1p/1u	o0981989							
2(N23)		Pelm	F00FF	1 F0100				
1x III: 1p	o0981990							
3(N23)		Pelm	F0100	1 F0101				
	o0981991							
5(N23)		Pelm	F0101	1 F0101				
1x IV: 1p	o0981992							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
7(N23) 1× III: 1p o0981993	Pelm F0102						
1(N24) AKA: 1(N24') 1(N24'') 357× IV: 28p/11u; III: 297p/33u o0981994	ACN 125AA						
2(N24) o0981995	NUM F0103						
4(N24) o0981996	NUM F0104						
6(N24) 1× IV: 1u; III: 1p o0981997	NUM F0105						
1(N24@f) 2× III: 2p o0981998	PC25 F0106						
1(N24A) AKA: 1(N24~a) 28× III: 28p o0981999	ACN 125EA						
1(N24B) AKA: 1(N24~b) 18× III: 15p/3u o0982000	ACN 125FE						
1(N25) 150× IV: 5p; III: 132p/16u o0982001	ACN 12623						
1(N26) 45× IV: 9p/1u; III: 32p/7u o0982002	ACN 125AB F2026						
1(N26B) AKA: 1(N26~b) 1× III: 1p o0982003	ACN 125FF						
1(N27) 13× IV: 1p; III: 12p o0982004	ACN 12624 F2051						
1(N28) 91× IV: 17p/1u; III: 79p/6u o0982005	ACN 125AC						
1(N28B) AKA: 1(N28~b) 2× III: 2p o0982006	ACN 12600						
1(N28C) AKA: 1(N28~c) 38× IV: 1p; III: 32p/6u o0982007	ACN 12625						
1(N29A) AKA: 1(N29) 1(N29~a) 57× IV: 4p; III: 53p/2u o0982008	ACN 125AD F2027						
2(N29A) AKA: 2(N29~a) 4× III: 4p o0982009	PC25 F0107						

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
6(N34@f)	ACN						
		o0982041	12664 F2069 1 12665 F206A 12666 F206B 12667 F206C				
7(N34@f)	ACN						
1x IV: 1p; III: 1p		o0982042					
8(N34@f)	ACN						
		o0982043	12666 F206B 12667 F206C				
9(N34@f)	ACN						
		o0982044	12667 F206C				
1(N34@f@t)	ACN						
CDLI: 1(N34@f@t)		o0982045	12675				
1(N35)	ACN						
5x IV: 2p; III: 3p/1u		o0982046	125CC				
2(N35)	ACN						
1x III: 1p		o0982047	125CD F2031				
3(N35)	ACN						
		o0982048	125CE				
4(N35)	ACN						
		o0982049	125CF				
5(N35)	ACN						
1x III: 1p		o0982050	125D0 F2032				
1(N36)	ACN						
43x IV: 4p; III: 33p/9u		o0982051	12616				
2(N36)	ACN						
10x IV: 4p; III: 8p/1u		o0982052	12617 F2048				
3(N36)	ACN						
7x IV: 1p; III: 5p/2u		o0982053	12618 F2049				
4(N36)	ACN						
3x IV: 1p; III: 2p		o0982054	12619				

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

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

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

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

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

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

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

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
7(N59)	PC25	 F2536					
1× III: 1p	o0981906						
1(N60)	ACN	 125E9					
4× III: 4p	o0982198						
3(N61)	PC25	 F0129					
1× III: 1p	o0982199						
4(N62)	PC25	 F012A					
1× III: 1p	o0982200						
1(N63)	NUM	 F012B					
2× III: 2u	o0982201						
1(N57).AB ₂	UNP	 F2290					
1× III: 1u	o0982202						
2(N57).AB ₂	PC25-sq	 F2291		 F2291			
1× IV: 1p; III: 1p	o0982203	ZATU014					
3(N57).AMAR	PC25-sq	 F2292					
2× III: 1p/1u	o0982204						
4(N57).AMAR	PC25-sq	 F2293			 F2293		
1× III: 1p	o0982205						
3(N57).AZ	PC25-sq	 12BEE					
3× III: 3p	o0982206						
3(N57).BARxUŠ~a	ZERO	 F2294				 F2294	
o0982207							
3(N57).BARA ₃	UNP	 F2295					
1× III: 1u	o0982208						
2(N57).BIR ₃ ~a	PC25-sq	 F2296				 F2296	
1× III: 1p	o0982209						
1(N57).BU ₃	PC25-sq	 12BEC					
1× III: 1p	o0982210						
1(N57).E ₂ ~a	ZERO	 F2297				 F2297	
o0982211							
3(N57).E ₂ ~b	UNP	 F2221					
1× III: 1u	o0982212	 1 F2222					
3(N57).EN ₂	PC25-sq	 12BEE					
6× III: 6p	o0982213						
X(N57).GAR	PC25-sq	 F24CB			 F24CB		
AKA: N(N57).GAR							
CDLI: x(N57).GAR							
1× III: 1p	o0982214						
3(N57).GAR	PC25-sq	 F2298			 F2298		
2× III: 2p	o0982215						
4(N57).GAR	PC25-sq	 F2299			 F2299		
5× III: 5p	o0982216						

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

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

B ZATU-PCSL Concordance

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

ZATU094	DUG~b×BALA~a	ZATU130	KUR~a.E~a ; KUR~b.E~a	ZATU164	GA ₂ ~a1×1(N57)
ZATU095	DUG~b×BIR ₃ ~c	ZATU131	E~a×1(N58@t); E ₂ ~b×1(N58@t)	ZATU165	Only in UET II as BAU328 = GA ₂ ×(1(N58).BAD) .
ZATU096	DUG~b×DIN	ZATU132	E ₃ ~a; E ₃ ~b	ZATU166	GA ₂ ~b×DUB~a ; GA ₂ ~b×DUB~b
ZATU097	DUG~b×GA~a ; DUG~b×GA~b	ZATU133	EDIN	ZATU167	GA ₂ ~a1×GIR~a
ZATU098	DUG~b×GEŠTU~a ; DUG~b×GEŠTU~b	ZATU134	EN~a; EN~b; EN~c; EN~e	ZATU168	GA ₂ ~a1×GIŠ@t
ZATU099	DUG~b×Gl ₆	ZATU135	NUN~a+EN~a ; NUN~a+EN~b ; NUN~a+EN~d ; NUN~b+EN~a	ZATU169	GA ₂ ~a2×(ŠE ₃ .GU ₄)
ZATU100	DUG~b×GIŠ	ZATU136	ZATU EN+UDU(?) read in CDLI as X in hapax ATU 1, 342=P001563 ATU 5, pl. 104, W 9656,es i 1.	ZATU170	GA ₂ ~a1×HI
ZATU101	DUG~b×HI	ZATU137	EN@g~a; EN@g~b	ZATU171	GA ₂ ~a1×(HI.SUHUR)
ZATU102	DUG~b×HI@g~a	ZATU138	EN ₂	ZATU172	GA ₂ ~a1×KU ₃ ~a ; GA ₂ ~b×KU ₃ ~a
ZATU103	DUG~a×KASKAL ; DUG~b×KASKAL	ZATU139	ENDIB	ZATU173	GA ₂ ~a1×KU ₆ ~a ; GA ₂ ~b×KU ₆ ~a
ZATU104	DUG~a×KU ₆ ~a ; DUG~b×KU ₆ ~a	ZATU140	ENGIZ	ZATU174	GA ₂ ~a1×(KU ₆ ~a+KU ₆ ~a)
ZATU105	DUG~b×KUR~a ; DUG~b×KUR~b	ZATU141	ENKUM	ZATU175	LAGAB~b×KUR~e
ZATU106	DUG~a×LAM~b ; DUG~b×LAM~a	ZATU142	ENLIL	ZATU176	GA ₂ ~a1×MAŠ
ZATU107	DUG~b×KUR@g~a	ZATU143	ERIM~a; ERIM~b1; ERIM~b2	ZATU177	GA ₂ ~a1×NAGA~a
ZATU108	DUG~b×MAŠ	ZATU144	ERIM ₂	ZATU178	GA ₂ ~a2×NI~a ; GA ₂ ~a2×NI~b
ZATU109	DUG~a×NAGA~a ; DUG~b×NAGA~a	ZATU145	ERIN	ZATU179	GA ₂ ~a1×SUHURI ; GA ₂ ~a2×SUHURI
ZATU110	DUG~b×SA~a	ZATU146	= 3(N57)	ZATU180	GA ₂ ~a1×SUKUD
ZATU111	DUG~b×(SA~a.GI)	ZATU147	ESDA	ZATU181	GA ₂ ~a1×SUMAŠ
ZATU112	DUG~b×SI ₄ ~a	ZATU148	EŠDA×TAR~a	ZATU182	GA ₂ ~a1×1(N14)
ZATU113	DUG~b×SIG ₂ ~a1 ; DUG~b×SIG ₂ ~a2	ZATU149	EŠGAR	ZATU183	GA ₂ ~a1×U ₄
ZATU114	DUG~b×SIG ₇	ZATU150	EZEN~a; EZEN~b; EZEN~b@t; EZEN~c	ZATU184	GA'AR~a1; GA'AR~a2; GA'AR~b1; GA'AR~b2
ZATU115	DUG~b×SUHUR	ZATU151	EZEN~a×EN~a ; EZEN~a×EN~b	ZATU185	ZATU737×BUR~a
ZATU116	DUG~b×SUKUD~d	ZATU152	EZEN~a×KAB	ZATU186	GADA~a; GADA~b
ZATU117	DUG~b×ŠAH ₂ ~a	ZATU153	EZEN~a×NIM~b2	ZATU187	GADA~b@g
ZATU118	DUG~b×ŠE~a	ZATU154	EZEN~a×NIMGIR	ZATU188	GAL~a; GAL~b
ZATU119	DUG~b×(ŠE~a.NAM ₂)	ZATU155	EZEN~a×RAD~a	ZATU189	GALGA~a; GALGA~b
ZATU120	DUG~b×TAK ₄ ~a	ZATU156	EZEN~a×SU~a	ZATU190	GAN~a; GAN~b; GAN~c
ZATU121	DUG~b×TII	ZATU157	EZEN~a×(U ₂ ~b.A)	ZATU191	GAN~c×(HI.DIN)
ZATU122	DUG~a×U ₂ ~a ; DUG~a×U ₂ ~b ; DUG~b×U ₂ ~a ; DUG~b×U ₂ ~b	ZATU158	EZINU~a; EZINU~b; EZINU~c; EZINU~d	ZATU192	GAN~c×LAGAB~b
ZATU123	DUG~b×UH ₃ ~a	ZATU159	GA~a; GA~b; GA~c	ZATU193	GAN~c×NE~a
ZATU124	DUG~b×ZATU764	ZATU160	GA~c×1(N14)	ZATU194	GAN~c×ŠE~a
ZATU125	DUGUD	ZATU161	GA~a.ZATU753	ZATU195	GAN ₂
ZATU126	DUR~a; DUR~b	ZATU162	GA ₂ ~a1; GA ₂ ~a2; GA ₂ ~a3; GA ₂ ~a4; GA ₂ ~b; GA ₂ ~c	ZATU196	GAR
ZATU127	DUR ₂	ZATU163	ZATU762~b×AB~a	ZATU197	GAR@g~a; GAR@g~b; GAR@g~c
ZATU128	E~a; E~b; E~c; E~d			ZATU198	GAR ₃
ZATU129	E ₂ ~a; E ₂ ~b; E ₂ ~c; E ₂ ~d			ZATU199	GARA ₂ ~a; GARA ₂ ~b
				ZATU200	GAZI
				ZATU201	SAL.KUR~a
				ZATU202	GEŠTIN~a; GEŠTIN~d;
				ZATU203	GEŠTIN~e
				ZATU204	GEŠTU~a; GEŠTU~b;
				ZATU205	GEŠTU~c3; GEŠTU~c5
					ATU 1, 28=P001294 ATU 5, pl. 068, W 9579,av read GI&GI GI×SIG ₂ ~d1 ;

ZATU206	(GI&GI)×ŠE ₃	ZATU240	GUUKKAL~a; GUUKKAL~b; GUUKKAL~c; GUUKKAL~d	ZATU280	KAK~a; KAK~b
ZATU207	GI×GIŠ@t	ZATU241	GUUKKAL~a.HI@g~a	ZATU281	KAL~a; KAL~b1; KAL~b2
ZATU208	GI×LAGAB~a	ZATU242	GUL	ZATU282	KALAM~a; KALAM~b; KALAM~c; KALAM~d; KALAM~e; KALAM~f; KALAM~g; KALAM~h; KALAM~h2
ZATU209	GI×NAM ₂	ZATU243	GUM~a; GUM~b	ZATU283	KAR
ZATU210	GI×SIG ₂ ~d1	ZATU244	GUM~b@n	ZATU284	KAR ₂ ~a; KAR ₂ ~b
ZATU211	GI×1(N14)	ZATU245	GUN ₃ ~a; GUN ₃ ~b	ZATU285	KASKAL
ZATU212	GI ₄ ~a; GI ₄ ~b	ZATU246	GUR	ZATU286	KAŠ~a; KAŠ~b; KAŠ~d
ZATU213	GI ₆	ZATU247	GURUŠ~a; GURUŠ~b	ZATU287	KAŠ~c
ZATU214	GIBIL	ZATU248	GURUŠ~a×2(N14) ; GURUŠ~b×2(N14) ; GURUŠ~c×2(N14)	ZATU288	KAŠ~b×ŠE~a@t
ZATU215	GIBIL ₆	ZATU249	GURUŠDA	ZATU289	KI
ZATU216	GIR~a; GIR~b; GIR~c; GIR~d	ZATU250	HAL	ZATU290	KIB
ZATU217	KU ₆ ~d	ZATU251	HALUB	ZATU291	KID~a; KID~b; KID~c; KID~d; KID~e
ZATU218	GIR ₂ ~a; GIR ₂ ~b	ZATU252	HAŠHUR	ZATU292	KIN
ZATU219	GIR ₃ ~a; GIR ₃ ~b; GIR ₃ ~c	ZATU253	HAŠHUR×MA	ZATU293	KIN ₂ ~a; KIN ₂ ~b; KIN ₂ ~c; KIN ₂ ~d; KIN ₂ ~e
ZATU220	GIR ₃ ~a×ŠE~b	ZATU254	HI; HI~b	ZATU294	KINGAL
ZATU221	GIR ₃ @g~a; GIR ₃ @g~b; GIR ₃ @g~c	ZATU255	HI×1(N57@t)	ZATU295	KISAL~a1; KISAL~a2; KISAL~b1; KISAL~b2; KISAL~b3
ZATU222	GISAL~a; GISAL~b	ZATU256	HI.SUHUR	ZATU296	KISIM~a; KISIM~b; KISIM~c
ZATU223	GIŠ	ZATU257	HI×ZATU707~a	ZATU297	KIŠ
ZATU224	(GIŠ×(DIN.DIN))~a ; (GIŠ×(DIN.DIN))~b ; (GIŠ×(DIN.DIN))~c	ZATU258	HI@g~a; HI@g~b; HI@g~c	ZATU298	KIŠIK~a; KIŠIK~b
ZATU225	(GIŠ×ŠU ₂)~a ; (GIŠ×ŠU ₂)~b	ZATU259	I	ZATU299	KITI
ZATU226	GIŠ.TE	ZATU260	IB~a; IB~b; IB~c	ZATU300	KU~a; KU~b1; KU~b2
ZATU227	GIŠ@t	ZATU261	IDIGNA	ZATU301	KU ₃ ~a; KU ₃ ~c
ZATU228	GIŠ ₃ ~a; GIŠ ₃ ~b	ZATU262	IL	ZATU302	KU ₆ ~a; KU ₆ ~c
ZATU229	GIŠGAL	ZATU263	ILDUM~a; ILDUM~b	ZATU303	KU ₆ ~a+KU ₆ ~a
ZATU230	GIŠIMMAR~a1; GIŠIMMAR~a2; GIŠIMMAR~a3; GIŠIMMAR~b1; GIŠIMMAR~b2; GIŠIMMAR~b3	ZATU264	IM~a; IM~b	ZATU304	KUR~a; KUR~b; KUR~c; KUR~d
ZATU231	GIZZAL~v	ZATU265	IN~b	ZATU305	KUŠU ₂ ~a; KUŠU ₂ ~b; KUŠU ₂ ~c; KUŠU ₂ ~d; KUŠU ₂ ~e; KUŠU ₂ ~f
ZATU232	GU	ZATU266	IN~d	ZATU306	LA~b; LA~c; LA~d
ZATU233	GU ₂	ZATU267	IR~a; IR~b; IR~c; IR~d	ZATU307	LA ₂
ZATU234	GU ₄	ZATU268	IR ₁₁	ZATU308	LAGAB~a; LAGAB~b
ZATU235	GU ₇	ZATU269	IRHAN	ZATU309	LAGAB~b×BANŠUR~a
ZATU236	GUB ₃ ~a; GUB ₃ ~b; GUB ₃ ~c; GUB ₃ ~d	ZATU270	IŠ~a; IŠ~b; IŠ~c	ZATU310	LAGAB~a×DU ₆ ~a
ZATU237	GUG ₂	ZATU271	KA~a	ZATU311	LAGAB~b×GA'AR~a1
ZATU238	GUG ₂ ×SILA ₃ ~a	ZATU272	Read as sequence KA GI.	ZATU312	LAGAB~b×HII
ZATU239	GUG ₂ ×TUR	ZATU273	KA~a×SAR~a		
		ZATU274	KA~a.ŠE~a		
		ZATU275	KA ₂ ~a; KA ₂ ~b; KA ₂ ~c		
		ZATU276	KA ₂ ~d×LAM~b		
		ZATU277	KAB		
		ZATU278	KAB×1(N58)		
		ZATU279	KAD ₄ ~a; KAD ₄ ~b; KAD ₄ ~c1; KAD ₄ ~c2		

ZATU313	LAGAB~a×KU ₆ ~a	ZATU353	MAR~b×(LAGAB~b.ŠE ₃)	ZATU390	NAR
ZATU314	LAGAB~a×KUŠU ₂ ~a@t	ZATU354	MAR~b×ŠE~a	ZATU391	NE~a; NE~b;
ZATU315	LAGAB~a×ME~a	ZATU355	MAŠ	ZATU392	NE~c; NE~d
ZATU316	LAGAB~a×NUN~b	ZATU356	ZATU MAŠ+GAN ₂ read as MAŠ GAN ₂ in CDLI-tc	ZATU393	NERGAL~v
ZATU317	LAGAB~a×PA~a ; LAGAB~b×PA~a	ZATU357	MAŠ ₂	ZATU394	NI~a; NI~b
ZATU318	LAGAB~a×ŠA	ZATU358	ME~a; ME~b	ZATU395	NI~a@g See new copy of ATU 1, 143 in P001212=ATU 5, pl. 054, W 9335,i.
ZATU319	LAGAB~a×ŠITA~a1	ZATU359	ME ₃	ZATU396	NI ₂
ZATU320	LAGAB~a×2(N14)	ZATU360	MEN~a; MEN~b	ZATU397	NIGIN
ZATU321	LAGAB~a×ZATU753	ZATU361	MES	ZATU398	NIM~a; NIM~b1;
ZATU322	LAGAB×ZATU766 ; collation on P004228 o i 4b suggests not all of LAGAB is present; read X in CDLI-tc	ZATU362	MIR~a; MIR~b	ZATU399	NIM~b2; NIM~b3;
ZATU323	LAGAR~a; LAGAR~b1; LAGAR~b2; LAGAR~c	ZATU363	MU	ZATU400	NIM~d
ZATU324	LAHTAN ₂	ZATU364	MUD	ZATU401	NIMGIR
ZATU325	LAL ₂ ~a; LAL ₂ ~b	ZATU365	MUD ₃ ~a; MUD ₃ ~b; MUD ₃ ~c; MUD ₃ ~d	ZATU402	NIN
ZATU326	LAL ₂ ~a×EZEN~a	ZATU366	MUD ₃ ~a@g	ZATU403	NINDA ₂
ZATU327	LAL ₃ ~a; LAL ₃ ~b	ZATU367	MUL	ZATU404	NINDA ₂ ×BA
ZATU328	LAM~a; LAM~b	ZATU368	MUN~a1; MUN~a2; MUN~a3; MUN~a4; MUN~b	ZATU405	NINDA ₂ ×EZEN~b
ZATU329	KUR@g~a; KUR@g~b; LAM~b@s	ZATU369	MUNŠUB~a; MUNŠUB~b	ZATU406	NINDA ₂ ×(AN.ME~a) ; NINDA ₂ ×(HI.AN.ME~a) ; NINDA ₂ ×(HI.ME~a) ;
ZATU330	LI	ZATU370	MUNU ₃	ZATU407	NINDA ₂ ×GUDU ₄
ZATU331	LIS	ZATU371	MURUB ₂	ZATU408	NINDA ₂ ×HI
ZATU332	LU ₂	ZATU372	ZATU MURUB ₂ read ME~a EN~b LAGAR~b1 in hapax P000849=ATU 1, 480=ATU 5 pl. 17, W 6855, i 1, i.e., ŠITA~b2@g×HI@g~a	ZATU409	NINDA ₂ ×MAR~a ;
ZATU333	LU ₂ ×GEŠTU~c3	ZATU373	MUŠ	ZATU410	NINDA ₂ ×MAR~b
ZATU334	LUGAL	ZATU374	MUŠ ₃ ~a; MUŠ ₃ ~b	ZATU411	NINDA ₂ ×U ₄
ZATU335	LUM	ZATU375	MUŠ ₃ ~a@g	ZATU412	EZEN~b×6(N57) ;
ZATU336	MA	ZATU376	MUŠEN	ZATU413	NINDA ₂ ×1(N01) ;
ZATU337	MA×A	ZATU377	MUŠEN.UR ₃ ~b2	ZATU414	NINDA ₂ ×2(N01) ;
ZATU338	MA×MA	ZATU378	NA~a; NA~b; NA~c; NA~d	ZATU415	NINDA ₂ ×1(N08)
ZATU339	MA ₂	ZATU379	NA ₂ ~a; NA ₂ ~b1; NA ₂ ~b2; NA ₂ ~c	ZATU416	ZATU570 NESAG ₂ ~a;
ZATU340	MAGUR~a; MAGUR~b	ZATU380	* NAB	ZATU417	NESAG ₂ ~a2; NESAG ₂ ~b
ZATU341	MAH~a; MAH~b	ZATU381	NAGA~a; NAGA~b	ZATU418	NU
ZATU342	MAH~a×GUKKAL~a	ZATU382	NAGAR~a; NAGAR~b	ZATU419	NU@g
ZATU343	MAH~a×KU ₆ ~a ; MAH~b×KU ₆ ~a	ZATU383	NAM~a; NAM~b; NAM~c; NAM~d	ZATU420	NU ₁₁
ZATU344	MAH~a×MAŠ ; MAH~b×MAŠ	ZATU384	NAM ₂	ZATU421	NUMUN ₂
ZATU345	MAH~b×SAL	ZATU385	NAM ₂ ×1(N01)	ZATU422	NUN~a; NUN~b;
ZATU346	MAH~a×(SILA ₃ ~a×UMBIN~a)	ZATU386	NAM ₂ @g	ZATU423	NUN~c; NUN~d
ZATU347	MAH~a×TUG ₂ ~a	ZATU387	NAMEŠDA	ZATU424	NUN~a+A
ZATU348	MAH~a×UD ₅ ~a	ZATU388	NANNA~a; NANNA~b	ZATU425	NUNUZ~a0; NUNUZ~a1;
ZATU349	MAH~a×UDU~a	ZATU389	AB~a×KU ₆ ~a ; NANSE~a; NANSE~b	ZATU426	NUNUZ~a2; NUNUZ~b1;
ZATU350	MAH~a×UR~a			ZATU427	NUNUZ~b2; NUNUZ~c
ZATU351	MAH~a×UTUA~a			ZATU428	3(N57).NUNUZ~a1 ;
ZATU352	MAR~a; MAR~b			ZATU429	3(N57).NUNUZ~c1

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

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

ZATU628	ZATU628~a; ZATU628~b	ZATU674	ZATU674	ZATU706	ZATU706
ZATU629	ZATU629	ZATU675	ZATU675~a; ZATU675~b; ZATU675~c; ZATU675~d	ZATU707	ZATU707~a; ZATU707~b
ZATU630	ZATU630	ZATU676	ZATU676~a; ZATU676~b	ZATU708	ZATU708
ZATU631	ZATU631	ZATU677	ZATU677~a; ZATU677~b	ZATU709	ZATU709
ZATU632	ZATU632~a; ZATU632~b; ZATU632~c	ZATU678	ZATU678	ZATU710	ZATU710
ZATU633	ZATU633~a; ZATU633~b	ZATU679	ZATU679	ZATU711	ZATU711
ZATU634	ZATU634	ZATU680	ZATU680~a1; ZATU680~a2; ZATU680~b; ZATU680~d; ZATU680~e	ZATU712	ZATU711×HI@g~a
ZATU635	ZATU635	ZATU681	ZATU681	ZATU713	ZATU713
ZATU636	ZATU636	ZATU682	ZATU682	ZATU714	ZATU714
ZATU637	ZATU637	ZATU683	ZATU683~a; ZATU683~b	ZATU715	ZATU714×HI@g~a
ZATU639	ZATU639	ZATU684	ZATU684	ZATU716	ZATU714.RU
ZATU640	ZATU640	ZATU685	ZATU685	ZATU717	ZATU717
ZATU641	ZATU641	ZATU686	ZATU686~a; ZATU686~b; ZATU686~c	ZATU718	ZATU718
ZATU642	ZATU642	ZATU687	ZATU687	ZATU719	ZATU719
ZATU643	ZATU643	ZATU688	ZATU688~a; ZATU688~b	ZATU720	ZATU720
ZATU644	ZATU644~a; ZATU644~b	ZATU689	ZATU689	ZATU721	ZATU721
ZATU645	ZATU644~a×1(N14)	ZATU690	ZATU690	ZATU722	ZATU722
ZATU646	ZATU646	ZATU691	ZATU691	ZATU723	ZATU723
ZATU647	ZATU647	ZATU692	ZATU692	ZATU724	ZATU724
ZATU648	ZATU648	ZATU693	ZATU693	ZATU725	ZATU725
ZATU649	ZATU649	ZATU694	ZATU694~a; ZATU694~b; ZATU694~c; ZATU694~d; ZATU694~e	ZATU726	ZATU726~a; ZATU726~c; ZATU726~d
ZATU650	ZATU650	ZATU695	ZATU695	ZATU727	ZATU727
ZATU651	ZATU651	ZATU696	ZATU696	ZATU728	ZATU728
ZATU652	ZATU651×AN	ZATU697	ZATU697~a; ZATU697~b; ZATU697~c	ZATU729	ZATU729
ZATU653	ZATU651×EN~a	ZATU698	DU ₈ ~c@g	ZATU730	ZATU730
ZATU654	ZATU651×GAR	ZATU699	ZATU699~a; ZATU699~b	ZATU732	ZATU732
ZATU655	ZATU651×MA	ZATU700	ZATU700	ZATU733	ZATU733
ZATU656	ZATU651×NUN~a	ZATU701	ZATU701	ZATU734	ZATU734
ZATU657	ZATU651×ŠE~a	ZATU702	ZATU702	ZATU735	ZATU735~a; ZATU735~b; ZATU735~c
ZATU658	ZATU651@g	ZATU703	ZATU703	ZATU736	ZATU736~a; ZATU736~b
ZATU659	ZATU659	ZATU704	ZATU704	ZATU737	ZATU737
ZATU660	ZATU659×1(N58@t)	ZATU705	ZATU705	ZATU738	ZATU737×AB~a
ZATU661	ZATU659×1(N14)			ZATU739	ZATU737×DI
ZATU662	ZATU662			ZATU740	ZATU737×EN~a ; ZATU737×EN~b
ZATU663	ZATU662×1(N14)			ZATU741	ZATU737×GAR
ZATU664	ZATU664			ZATU742	ZATU737×NIMGIR
ZATU665	ZATU665			ZATU743	ZATU737×SAL
ZATU666	ZATU666			ZATU744	ZATU737×SU~a
ZATU667	ZATU667			ZATU745	ZATU737×ŠE~a
ZATU668	ZATU668			ZATU746	ZATU737×ŠITA~b1@g
ZATU669	ZATU669			ZATU747	ZATU737×U ₄
ZATU670	ZATU670			ZATU748	ZATU737×UNUG~a
ZATU671	Damaged, identification uncertain.			ZATU749	ZATU749~a; ZATU749~b; ZATU749~c
ZATU672	ZATU672			ZATU750	ZATU750

ZATU751	ZATU751~a; ZATU751~b	ZATU784	ZATU784	ZATU823	ZATU823
ZATU752	ZATU752	ZATU785	ZATU785	ZATU824	ZATU824
ZATU753	ZATU753	ZATU786	ZATU786	ZATU825	ZATU825
ZATU754	ZATU754	ZATU787	ZATU787	ZATU826	ZATU826
ZATU755	ZATU755~a; ZATU755~b	ZATU788	ZATU788	ZATU827	Vacat.
ZATU756	ZATU756	ZATU789	ZATU789	ZATU828	Vacat.
ZATU757	ZATU757	ZATU790	Vacat.	ZATU829	ZATU829
ZATU758	ZATU758	ZATU791	ZATU791	ZATU830	Vacat.
ZATU759	ZATU759	ZATU792	ZATU792	ZATU831	ZATU831
ZATU760	ZATU759×KU6~a ; ZATU759×KU6~d	ZATU793	Vacat.	ZATU832	ZATU832
ZATU761	ZATU761	ZATU794	Vacat.	ZATU833	ZATU833
ZATU762	ZATU762~a; ZATU762~b	ZATU795	ZATU795	ZATU834	ZATU834
ZATU763	ZATU762~a×NIM~a	ZATU796	Vacat.	ZATU835	ZATU835
ZATU764	ZATU764	ZATU797	ZATU797	ZATU836	ZATU836
ZATU765	ZATU765	ZATU798	ZATU798	ZATU837	ZATU837~a; ZATU837~b
ZATU766	ZATU766	ZATU799	ZATU799	ZATU838	ZATU838
ZATU767	ZATU767	ZATU800	ZATU800	ZATU839	ZATU839
ZATU768	ZATU768	ZATU801	ZATU801	ZATU840	ZATU840
ZATU769	ZATU769	ZATU802	ZATU802; ZATU802~b	ZATU841	ZATU841
ZATU770	Damaged; ATU 833 = ATU 1, 442 = P001011 ATU 5, pl. 034, W 9071,h; excluded from CDLI list.	ZATU803	ZATU803	ZATU842	ZATU842
ZATU771	ZATU771	ZATU804	ZATU804	ZATU843	ZATU843
ZATU772	ZATU772	ZATU805	ZATU805	ZATU844	ZATU844
ZATU773	ZATU773~a; ZATU773~b	ZATU806	ZATU806	ZATU845	ZATU845
ZATU774	ZATU774	ZATU807	ZATU807	ZATU846	ZATU846
ZATU775	ZATU775	ZATU808	ZATU808	ZATU847	ZATU847
ZATU776	ZATU776	ZATU809	ZATU809	ZATU848	ZATU848
ZATU777	ZATU777	ZATU810	ZATU810	ZATU849	ZATU849
ZATU778	ZATU778	ZATU811	ZATU811	ZATU850	ZATU850
ZATU779	ZATU779	ZATU812	ZATU812	ZATU851	ZATU851
ZATU780	ZATU780	ZATU813	ZATU813	ZATU852	ZATU852
ZATU781	ZATU781	ZATU814	ZATU814	ZATU853	ZATU853
ZATU782	ZATU782	ZATU815	ZATU815	ZATU854	ZATU854
ZATU783	ZATU783	ZATU816	Vacat.	ZATU855	ZATU855
		ZATU817	ZATU817	ZATU856	ZATU856
		ZATU818	ZATU818	ZATU857	ZATU857
		ZATU819	ZATU819	ZATU858	ZATU858
		ZATU820	ZATU820	ZATU859	ZATU859
		ZATU821	ZATU821		
		ZATU822	ZATU822		

C Index of Alternate CDLI Sign Names

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

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

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

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

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

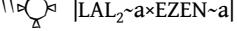
UR~a×KAR ₂	= UR~a×KAR ₂ ~b	1(N29A~b)	= 1(N29AB)
UR~a×KAR ₂	> UR~a×KAR ₂ ~b	2(N29A~b)	= 2(N29AB)
UR ₂ ×TAR	= UR ₂ ×TAR~c	1(N29A~c)	= 1(N29AC)
UR ₂ ×TAR	> UR ₂ ×TAR~c	1(N30~a)	= 1(N30A)
URU~a1+1(N58)	= URU~a2×1(N58)	1(N30~b)	= 1(N30B)
URU~a1@n	> URU~a1@n	1(N30~c)	= 1(N30C)
ZA~x	> ZA~v	1(N30~d)	= 1(N30D)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

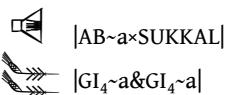
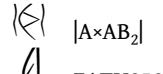
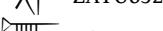
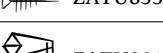
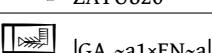
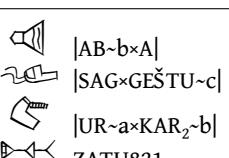
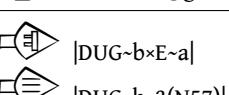
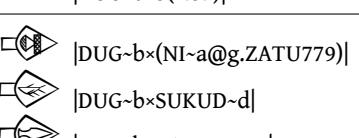
D PCSL Non-PC25

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

CDLI	MusNo	Time	Place	Pub	Missing
P001731		VA – ?			SILA ₃ ~c×ŠU
P002078		VA – ?			SILA ₃ ~c
P002231		IM 023434,w			ZATU814
P002248		IM 023434,b			NINDA ₂ ×BA
P002261		IM 023435,12			ZATU815
P002264		IM 023435,19			(GI&GI)×ŠE ₃
P002269		IM 023435,10			NINDA ₂ ×(UDU~a×TAR-b) NUMUN ₂
P002464		IM 023445,03			ŠITA@g~a×1(N04)
P002571		IM 023449,1			LA~c
					ŠITA~a1×UDU~a
					ŠITA~a1×1(N06)
P002624		W 17480,b			(GI&GI)×ŠE ₃
P002697		IM 046011 + IM 046061			NUMUN ₂
P002741		IM 045991			EZEN~a×SAG
P002758		IM 045978			ZATU805
P002874		IM 045912			GAN~c×NE~a
					GAN~c×ŠE~a
					GAN~c×ŠE ₃ @t
P002882		IM 045941			NESAG ₂ ~b@t
P002891		IM 046146			GA ₂ ~a1×NAGA~a
					GAN~c×ŠE~a
					SILA ₃ ~d×NI~a
P003081		W 19408,46			SIG ₂ ~b×1(N14)
P003082		W 19408,47			≡ KAD ₄ ~c1
					≡ KAD ₄ ~c2
P003096		W 19408,60			ALAN~d
P003098		IM 133643			LAM~b@s

CDLI	MusNo	Time	Place	Pub	Missing
P003163		IM 133666			SILA ₃ ~a×HI@g~a
P003251		IM 064851			GA ₂ ~a1×(HI.SUHUR) GA ₂ ~a1×((SUKUD+SUKUD)~a)
P003252		IM 064852			ZATU634
P003403		IM 065104			HI×ZATU707~a
P003406		IM 065106			GIBIL@t
P003407		IM 065107			URUDU@g~b
P003433		IM 065115			MAH-b×KU ₆ ~a
P003436		IM 065116			E~d
P003488		W 20243,1			KAB×1(N58)
P003492	history; history	IM 067375	Nissen1986WorldArchaeology17; Spec1722		MAGUR~b
P003541		W 20274,043			SAG×1(N14)
P003543		W 20274,045			GA ₂ ~a2×NI~b
P003798		W 20496,1			SILA ₃ ~a×HI@g~a
P003809		W 20511,03			GALGA~b
P003839		IM 134421			LU ₂ ×GESTU~c3
P003977	history	IM 073483	Schmandt-Besserat1992BeforeWriting		SIG ₂ ~b×1(N14)
P003997		IM 134508			LAGAB~b×BANŠUR~a LAGAB~b×GA'AR~a1
P004010		IM 134519,1			NINDA ₂ ×(UDU~a×TAR~a)
P004079		IM 134567			TUG ₂ ~d UDU~b
P004128		IM 074216			DUG~a×KASKAL DUG~a×LAM~b
P004151		IM 134623			ZATU627
P004175		IM 074278			ZATU632~c
P004199		IM 134670			SILA ₃ ~a×1(N58)
P004204		IM 074279			GADA~b
P004222		IM 134688			ŠIDIM@t

CDLI	MusNo	Time	Place	Pub	Missing
P004228		IM 074288			 KA ₂ ~C  LAL ₂ ~a×EZEN~a
P004230		IM 134695			 EN~c&EN~c
P004312		IM 074296			 ZUBI~b
P004328		IM 134845			 ZATU651~ŠE~a
P004329		IM 134846			 SILA ₃ ~a×GEŠTU~c5
P004333		IM 074311			 GA ₂ ~b×KU ₃ ~a
P004377		IM 134911			 KU ₆ ~a@s
P004382		IM 074325			 KISAL~a2
P004388		IM 134923			 NUNUZ~b2 ZATU761
P004414	history	IM 074344 sec2022			 EZEN~a×EN~a ZATU699~a
P004431	history	W 21662,2 UVB24catalogue			 DAR~d
P004452		IM 134954			 GAN~c×NE~a
P004454		W 21736			 ZATU644~a×1(N14)
P004464	history	W 21839,3 UVB25catalogue			 GALGA~b GAN~c×ŠE~a
P004474	history	IM 134960 UVB25catalogue			 GIR~d
P004502		IM 134967			 ZATU759×KU ₆ ~d
P004612		IM 135007			 GARA ₂ ~b
P005007		IM 025757,04			 HI×1(N58)
P006024		MS 2356			 KAB×1(N58)
P006027		MS 2359			 GA ₂ ~a2×3(N57)
P006028		MS 2360			 LAGAB~a×LAGAB~a NA~d
P006029		MS 2387			 ZATU821 ZATU837~a
P006034		MS 2392			 ZATU825

CDLI	MusNo	Time	Place	Pub	Missing
P006035		MS 2393			 UH ZATU826
P006040		MS 2427			 PIRIG~b1xUR ₂ ZATU821  ZATU823
P006041		MS 2428			 ZATU855
P006042		CDLI Lexical 000002, ex. 178			 RAD~a@t
P006046		CDLI Lexical 000002, ex. 194			 RAD~a@t
P006048		MS 2431			 ZATU697~c
P006053		MS 2436			 ZATU823
P006054		MS 2437			 ZATU826
P006056		MS 2439			 AB~a~SUKKAL GI ₄ ~a&GI ₄ ~a NUNUZ~a1@t  ZATU825
P006057		MS 2440			 ZATU824 ZATU831
P006058		MS 2441			 ZATU821
P006061		MS 2444			 A~AB ₂ ZATU852  ZATU853
P006062		MS 2445			 ZATU820
P006065		MS 2498			 GA ₂ ~a1~EN~a
P006067		MS 2500			 AB~b~A SAG~GE~TU~c UR~a~KAR ₂ ~b ZATU821
P006068		MS 2501			 ZATU831@g
P006070		CDLI Lexical 000023, ex. 095			 DUG~b~E~a DUG~b~3(N57)
P006071		CDLI Lexical 000023, ex. 096			 DUG~b~(NI~a@g.ZATU779) DUG~b~SUKUD~d DUG~b~ZATU707~a

CDLI	MusNo	Time	Place	Pub	Missing
P006072		MS 2504			ZATU821
P006077		MS 2509			NUNUZ~a1@t
P006082		MS 2514			ZATU737×E~a
P006083		MS 2515			ZATU822
P006098		MS 2677			A@t
P006105		MS 2684			URU~a1@n ZATU829
P006107		MS 2686			MUŠEN×PAP~a
P006117		MS 2696			ZATU821
P006120		MS 2727			GA ₂ ~a1×EN~a
P006136		MS 2782/16			LAGAB~a×SI
P006140		MS 2840			SIG@g ZATU697~c
P006155		MS 2862/08			ZATU839
P006160		MS 2862/13			A×AB ₂
P006173		MS 2863/07			E ₂ ~a×3(N58)
P006175		MS 2863/09			ZATU838 ZATU839
P006190		MS 2863/24			ZATU841
P006191		MS 2863/25			ZATU837~a
P006196		MS 2863/30			GA ₂ ~a1×EN~a
P006199		MS 2869/01			KASKAL@g
P006203		MS 2869/05			ZATU823
P006219		MS 2900/11			LAGAB~a×SI
P006224		MS 2900/16			ZATU839
P006236		MS 2900/28			ZATU839
P006243		MS 2900/35			LAGAB~a×BA
P006250		MS 2964			ZATU837~a ZATU837~b
P006251		MS 2965			ZATU840
P006254		MS 2997			ZATU841

CDLI	MusNo	Time	Place	Pub	Missing
P006255		MS 2998			 BU~a×1(N58)
P006262		MS 3008			 EN~e  TUR ₃ ~a@n
P006263		MS 3009			 ZATU842
P006270		MS 4162			 ZATU838
P006272		MS 3880			 ZATU839
P006275		CDLI Lexical 000002, ex. 187			 NESAG ₂ ~a2  ZATU737×I
P006278		MS 3886			 SUM~a@t  ZATU838
P006282		MS 4461			 ŠITA~a1×ŠU ₂
P006284		MS 4463			 AB~b×ŠA ₃ ~a1
P006288		MS 4485			 UR ₃ ~b1×MAŠ  ZATU844
P006289		MS 4486			 ZATU845  ZATU846
P006290		MS 4487			 (SUKUD+SUKUD)~d
P006291		MS 4488			 GA ₂ ~a1×NIM~b1  LAGAB~b×SUH ₃
P006292		MS 4489			 LAGAB~a×BIR ₃ ~b
P006293		MS 4490			 ZATU848
P006294		MS 4491			 LAGAB~a×KAK~a  ZATU856
P006296		MS 4493			 ZATU624~c
P006301		MS 4497			 URU~a1×GU ₄
P006307		MS 4503			 AB~b×KU ₆ ~a
P006308		MS 4504			 ZATU857
P006316		MS 4530			 DUB~b@r  KUR~d
P006317		MS 4537			 GIR ₃ ~c×KAR ₂ ~b
P006318		MS 4538			 ZATU683@t  ZATU849

CDLI	MusNo	Time	Place	Pub	Missing
P006319		MS 4539			 BU~a×GIŠ@t
P006323		MS 4543			 TA~d×MAŠ
P006324		MS 4551			 GUG₂×ŠITA~a1  MAH-b×MAŠ
P006326		MS 4557			 GA₂~a1×((SUKUD+SUKUD)~b)
P006438		AOST 109 unpublished assigned			 AB~a×SUKKAL
P200022		MS 2900/un1			 LAGAB~a×SI
P218054		CMAA 020-C0003			 ZATU843
P252177		MS 3166			 HI~b  ŠU₂×3(N57)  UR₃~d2
P252182		MS 3171			 GA₂~b×NUN~b  LAGAB~b×(HI×1(N04))  ŠUR₂~c
P252184	citation; history	CDLI Lexical 10012610EXTNS12 ; sec46325			 AŠ₂
P274471		MS 4588/1			 LAGAB~a×NI~a
P342517		MW 0188/020			 NIM~d
P342525		MW 0188/033			 ZATU659@t
P342526		MW 0188/034			 AB₂@g
P342533		MW 0188/041			  LAGAB~a×LA₂~a SIG~b
P342536		MW 0188/045			 UKKIN~d
P342547		MW 0188/056			 ZATU737@t×PAP~a
P448702		Anonymous 448702 unpublished unassigned			 SUKUD@h
P504412		Anonymous 504412 unpublished unassigned			 SILA₃~d×NI~a
P512554		Anonymous 512554 unpublished unassigned			  KAB×1(N58) ZATU853
P518361		Kress 301			 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 1× IV: 1p	o0980057	F240B					
(BU~a&BU~a).X	PC25-bk						
1× IV: 1p	o0980124	F240F					
DU ₈ ~c×X	ZERO						
	o0980198	F2411					
DUG~b×(KUR~a.X)	PC25-bk						
1× III: 1p	o0980243	F2415		F2415			
DUG~b×(SI ₄ ~a.X)	PC25-bk						
1× III: 1p	o0980254	F2417		F2417			
DUG~b×X	PC25-bk						
128× IV: 3p/3u; III: 110p/14u	o0980272	1 F20BC F20BB		F20BB	F20BB		
EZEN~a×X	PC25-bk						
2× IV: 1p; III: 1u	o0980349	F241F					
GA~a×X	ZERO						
	o0980360	F24F7					
GA ₂ ~a2×X	PC25-bk						
1× III: 1p	o0980410	F2428					
GA ₂ ~a3×X	PC25-bk						
1× IV: 1p; III: 1p	o0980413	F2429					
GAN~c×X	PC25-bk						
3× IV: 1p; III: 2p/1u	o0980447	F242E					
GI×X	UNP						
1× IV: 1u	o0980480	F2432					
(GI&GI)×X	ZERO						F2434
	o0980486	F2434					
IRHAN	PC25-bk						
1× III: 1p	o0980617	ZATU269 F243D					
LAGAB~a×X	PC25-bk						
	o0980749	F2121 1 F2122					
MAH~a×X	PC25-bk					F2454	
7× IV: 5p; III: 6p/1u	o0980823	F2454					

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

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

F PC25 Not Encoded: Uruk V not in Sub-corpus

This table gives signs excluded because they only occur in Uruk V.

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
AxAB ₂ 3x III: 3u	UNP o0980001	F2400 	{ } 				
A@t 1x III: 1u	UNP o0980008	F2401 	~ ~				
AB~a×KU ₆ ~a o0980013	ZERO ZATU389	F2402 	Speaker				
AB~a×SUKKAL 3x III: 3u	UNP o0980014	F2403 	Speaker				
AB~a×1(N01) o0980018	ZERO	F2405 	Speaker				
AB~b×A 1x III: 1u	UNP o0980022 ZATU008	F2406 	Speaker				
AB~b×KU ₆ ~a 1x III: 1u	UNP o0980023	F2407 	Speaker				
AB~b×ŠA ₃ ~a1 1x III: 1u	UNP o0980024	F2408 	Speaker				
AB ₂ @g 1x	UNP o0980027	F2525 	g				
ADDA@t o0980036	ZERO	F2409 	cone				
ALAN~d 1x IV: 1u	UNP o0980044 ZATU025	F240A 	X				
AŠ ₂ 1x III: 1u	UNP o0980074	F240C 	≡				
BAR×URI ₃ ~a o0980103	NOT	F252C 	~				~ F252C
BAR×UŠ~a o0980104	NOT	F253D 	~				~ F253D
((BU~a.DU ₆ ~a)&(BU~a.DU ₆ ~a))×UDU~a o0980116	ZERO	F2523 	×				× F2523
BU~a+TU~b o0980119	ZERO	F2526 	fish				fish F2526
BU~a×GiŠ@t 1x III: 1u	UNP o0980121	F240D 	—				
BU~a×1(N58) 1x III: 1u	UNP o0980122	F240E 	—				

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

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

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

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

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
URU~a1×GU ₄ 1× III: 1u o0981466	UNP F248B						
URU~a1@n CDLI: URU~a1@n 1× III: 1u o0981475	UNP F248D						
URUDU@g~b 1× IV: 1u o0981486 ZATU603	UNP F248E						
ZUBI~b 1× III: 1u o0981525 ZATU619	UNP F221D 1 F221E	 		 F221E			
ZATU624~c 1× III: 1u o0981535 ZATU624	UNP F248F						
ZATU627 1× IV: 1u o0981540 ZATU627	UNP F2490						
ZATU632~c 1× IV: 1u o0981548 ZATU632	UNP F2491						
ZATU634 1× IV: 1u o0981551 ZATU634	UNP F2492						
ZATU644~a×1(N14) 1× IV: 1u o0981561 ZATU645	UNP F2494						
ZATU651×ŠE~a 1× III: 1u o0981574 ZATU657	UNP F2497						
ZATU659@t 1× o0981582	UNP F2541						
ZATU683@t CDLI: ZATU683@t 1× III: 1u o0981613	UNP F2499						
ZATU694~e o0981633 ZATU694	ZERO F2529						 F2529
ZATU697~c 2× III: 2u o0981638 ZATU697	UNP F249A						
ZATU699~a 1× IV: 1u o0981639 ZATU699	UNP F249B						
ZATU737×E~a 1× III: 1u o0981690	UNP F24A1						
ZATU737×I 1× III: 1u o0981694	UNP F251B						
ZATU737@t×PAP~a 1× o0981705	UNP F251A						
ZATU759×KU ₆ ~d 1× IV: 1u; III: 1p o0981724 ZATU760	UNP F24A3						
ZATU761 1× III: 1u o0981727 ZATU761	UNP F24A6						

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

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

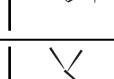
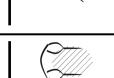
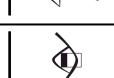
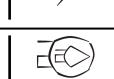
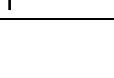
H PC25 Not Encoded: ED I-II not in Sub-corpus

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						
ALAN~f o0980046	EDI F24CD	====	====				
ANZU ₂ o0980064	EDI F222C	* ⌚ (≡)	* ⌚ (≡)				
ASAL ₂ o0980072	EDI F24CE	====⇒	====⇒				
BAU405 CDLI: UET ₂ .405 o0980108	EDI F24EF	鱼	鱼				
DAG o0980142	EDI F24CF						
DIM~a×GU o0980175	EDI F24F3	▽△	▽△				
DIM~a×X o0980176	EDI F24F4	▽△	▽△				
DUG~a×HI o0980213	EDI F24F5	□○	□○				
DUG~a×X o0980220	EDI F24F6	□○	□○				
E~e o0980296	EDI F24D0						
ENSI o0980324	EDI F224E	ㄣ 𩫔	ㄣ 𩫔				
ENSI ₂ o0980325	EDI F2257	ㄣ 𩫔 𩫔	ㄣ 𩫔 𩫔				
EZEN~a×LA~e o0980341	EDI F20CF F20CE	1 □○	□○				
GA ₂ ~a1×GU ₄ o0980376	EDI F24F8	□○	□○				
GA ₂ ~a1×NUN~a o0980387	EDI F24F9						

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
GA ₂ ~a1×X 14x IV: 4p; III: 12p/1u	PC25-bk o0980399	F20D7 F20D8 1	 				
GAN~d	EDI o0980450						
GAN~d×HI	EDI o0980452						
GEŠTIN~c	EDI o0980463						
GEŠTIN~c×X	EDI o0980464						
GIG	EDI o0980498						
GIL	EDI o0980499						
GIR ₄	EDI o0980517						
GIŠ~v CDLI: GIŠ~x	EDI o0980527						
GIŠ@t.E ₂ ~a	EDI o0980529						
HI×ŠE ₃ @t	EDI o0980582						
HI×1(N01@f) CDLI: HI×1(N01)F	EDI o0980584						
HUB ₂	EDI o0980593						
IGI	EDI o0980602						
IM~a@g	EDI o0980607						
KA ₂ ~d	EDI o0980627						
KEŠ ₂	EDI o0980661						
KU~a@t	EDI o0980694						
KUN	EDI o0980706						
LA~e	EDI o0980725						

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

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
PA ₃	EDI o0981001							
RI	EDI o0981021							
SAG×LAM~c	EDI o0981033							
SAG×SAR~a	EDI o0981036							
SIKIL	EDI o0981092							
SILA ₃ ~a×DUG~b	EDI o0981097							
SILA ₃ ~b×DUG~a	EDI o0981132							
(SUKUD+SUKUD)~c	EDI o0981164							
ŠITA~c	EDI o0981242							
ŠU@s	EDI o0981251							
ŠU ₂ .2(N57)	EDI o0981264							
ŠURUPPAK~c	EDI o0981275							
TA~f	EDI o0981282							
TAR~d	EDI o0981295							
TUR×X	EDI o0981321							
TUR ₃ ~b×TAK ₄ ~a	EDI o0981327							
U ₄ ×1(N01@f) CDLI: U ₄ ×1(N01)F	EDI o0981369							
UKKIN~b×DUG~a	EDI o0981418							
URI ₂	EDI o0981458							
URI ₃ ~a+IB~a	EDI o0981460							
URU~a1×A	EDI o0981464							

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
UŠ~b×TAR~d o0981493	EDI F2516						
UŠUR ₃ ~a o0981496	EDI F24F0						
ZADIM o0981512	EDI F24F1						
(ZU&ZU).SAR~a o0981523	EDI F2518						
ZATU737×ŠITA~b1@g CDLI: ZATU737×ŠITA@g~a o0981701 ZATU746	EDI F2517						

I PC25 Not Encoded: Delete

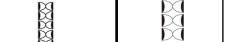
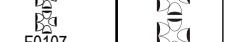
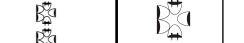
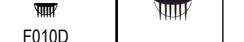
This table gives signs which occur in CDLI-gh but have been deleted from the CDLI-tc.

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

J 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) o0981826	NUM F2543	○○ ○○					
10(N01) 2× III: 2p o0981837	PC25 F00DA	BBB BBB					
1(N08~b) 1× III: 1u o0981901	NUM F00F5	# #	˘ ˘				
2(N08~b) 4× III: 1p/3u o0981902	PC25 F00F6	# #	˘ ˘				
3(N08~b) 1× III: 1u o0981903	NUM F00F7	## ##	˘ ˘				
4(N08~b) 1× III: 1u o0981904	NUM F00F8	### ###	˘ ˘				
4(N08~c) 1× III: 1u o0981905	NUM F00F9	## ##	˘ ˘				
1(N08~v) 1× III: 1u o0982197	NUM F00FA	˘ ˘					
1(N08@f)×1(N57) o0981908	NUM F012C	˘ ˘					
10(N14) 2× o0981921	PC25 F00DB	●●●● ●●●●	●●●● ●●●●				
11(N14) 1× o0981922	PC25 F00DC	●●●● ●●●●					
12(N14) 1× o0981923	OOR5 F00DD	●●●● ●●●●					
22(N14) 1× o0981924	PC25 F00DE	●●●● ●●●●					
10(N14@f) o0981934	OOR F00DF	■■■■■ ■■■■■	■■■■■ ■■■■■				
6(N21) 1× IV: 1p o0981983	PC25 F00EO	●●●● ●●●●	●●●● ●●●●				
1(N22~v) 1× III: 1p o0981986	PC25 F00FD	˘ ˘					
1(N23) 2× III: 1p/1u o0981989	Pelm F00FE	˘˘ ˘˘	˘˘ ˘˘				
2(N23) 1× III: 1p o0981990	Pelm F00FF	˘˘ ˘˘	˘˘ ˘˘				

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
7(N45@f)	OOR						
	o0982106	F00E6					
8(N45@f)	OOR						
	o0982107	F00E7					
9(N45@f)	OOR						
	o0982108	F00E8					
3(N46)	PC25						
1x III: 1p	o0982112	F00E9					
3(N47)	OOR						
1x IV: 1u	o0982117	F00EA					
6(N48)	OOR						
2x IV: 2u	o0982123	F00EB					
7(N48)	OOR						
1x IV: 1u	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/7u	o0982194	F0126					
4(N59)	PC25						
3x III: 2p/1u	o0982195	F0127					
6(N59)	PC25						
3x III: 3p	o0982196	F0128					
7(N59)	PC25						
1x III: 1p	o0981906	F2536					
3(N61)	PC25						
1x III: 1p	o0982199	F0129					
4(N62)	PC25						
1x III: 1p	o0982200	F012A					
1(N63)	NUM						
2x III: 2u	o0982201	F012B					

K 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.

K.1 Reasons for Exceptions

K.1.1 Reanalysis

Two city-name signs, ADAB and ARARMA~a, have earlier forms which are distinct from their reanalysis to include an initial U₄ 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.

K.1.2 Container Equivalency

The signs ASAR and AZ are the equivalent of containers.

K.1.3 Unencoded Constituents

The following exception signs contain unencoded constituents: ME₃ (EŠDA-tenu), ŠAGINA (modified UŠ form with additional strokes, unclear with this is an UŠ or not), ZUBI~a (NA₂-nutillu).

K.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.

K.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.

K.1.6 Analogy: UTUL Group

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

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

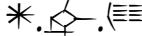
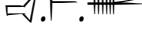
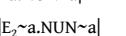
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
BAPPIR~a 126D7	PC25 o0980096	126D7					
BAPPIR~b 126D8	PC25 o0980097	126D8		126D8			
BAPPIR~c 126D9	PC25 o0980098	126D9					
BAPPIR~d 126DA	PC25 o0980099	126DA		126DA			126DA
BAPPIR~e 126DB	PC25 o0980100	126DB					
BAPPIR~f 126DC	PC25 o0980101	126DC					
KITI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

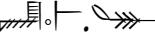
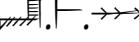
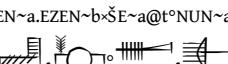
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
UTUA~a 12AF0	o0981499	PC25	12AF0		12AF0	12AF0	12AF0
UTUA~a@t 12AF1	o0981500	PC25	12AF1		12AF1		
UTUA~b 12AF2	o0981501	PC25	F21D5 12AF2		F21D5 12AF2		
UTUL~a 12AF3	o0981502	PC25	12AF3		12AF3	12AF3	12AF3
UTUL~b 12AF4	o0981503	PC25	12AF4		12AF4		
UTUL~c 12AF5	o0981504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

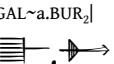
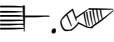
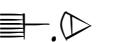
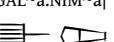
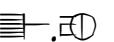
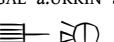
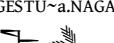
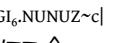
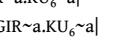
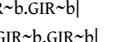
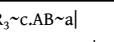
L Sequences Data

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

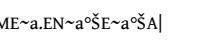
- In column one the character name (CHARNAME) and glyph names (GLYFNAME) are given along with the decomposition of the ligature into the base characters; in this decomposition the different joiners are used rather than mapping them all to ‘.’.
- In column two the precomposed single ligature character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

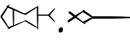
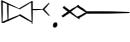
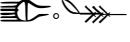
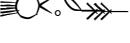
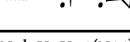
CHARNAME/GLYFNAME/DECOMP	PUA	LIG/.liga
AMAR.1(N02) AMAR.1(N02) 	F222B	 u126B4_u125BE.liga
AN.IM~a.GI ₆ AN.IM~a.GI ₆ 	F222C	 u126B7_u12861_u1288E.liga
APIN~a.APIN~a APIN~a.APIN~a 	F222D	 u126BD_u126D2.liga
BU~b.NA ₂ ~a BU~b.NA ₂ ~a 	F222E	 u126ED_u12A10.liga
BULUG ₃ ,DU ₆ ~a BULUG ₃ ,DU ₆ ~a 	F222F	 u126F0_u12750.liga
DA~a.LIŠ DA~a.LIŠ 	F2230	 u126F6_u129B5.liga
DU.ME~a.NUN~a DU.ME~a.NUN~a 	F2084	 u1271E_u12908_u12A74.liga
DU.U ₄ ,1(N14).1(N08) DU.U ₄ 	F2231	 u1271E_u12BE1.liga
E ₂ ~a.LIŠ E ₂ ~a.LIŠ 	F2232	 u1277F_u129B5.liga
E ₂ ~a.NUN~a E ₂ ~a.NUN~a 	F2233	 u1277F_u12A74.liga

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

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

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

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

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

CHARNAME/GLYFNAME/DECOMP	PUA	LIG./liga
PA~a.IB~a PA~a°IB~a F2189		u12981_u128F4.liga
PA~a.IB~a PA~a.IB~a F2188		u12981_u128F4.liga.cv01
PA~a.IB~a PA~a°IB~a ~1 F218A		u12981_u128F4.liga.cv02
PA~a.TE.SI PA~a.TE.SI F2257		u12981_u12A62_u12AC7.liga
PA~a.UDU~a PA~a.UDU~a F2178		u12981_u12C25.liga
PA~a.UDU~a PA~a.UDU~a ~1 F2179		u12981_u12C25.liga.cv01
PAP~a.IB~a PAP~a.IB~a F218B		u12985_u128F4.liga
PAP~a.IB~a IB~a°PAP~a F218C		u12859_u12A91.liga
SAL.KUR~a SAL.KUR~a F2258		u129A1_u1296C.liga
SALLAGAR~a SALLAGAR~a F2259		u129A1_u129A0.liga
SALLAM~b SALLAM~b F225A		u129A1_u129B1.liga
SAL.ME~a SAL.ME~a 0		u129A1_u129E2.liga
SAL.NAM_2 SAL.NAM_2 F225B		u129A1_u12A23.liga
SAL.NAM_2,EZEN~b×ŠE~a.NUN~a.SIG_1 SAL.NAM_2,EZEN~b×ŠE~a@t°NUN~a.SIG_1 F225C		u129A1_u12939_u127A2_u12972_u12AE3.liga

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

CHARNAME/GLYFNAME/DECOMP	PUA	LIG./liga
šE~a.šA šA°šE~a 	F2127	 u12A0F_u12B52.liga
šELU šE~a.GUG₂ 	F2264	 u12A22_u128C8.liga
šŠ~a.NA~a šEŠ~a.NA~a 	F2265	 u12A32_u12A0B.liga
šITA~a1.MUD₃~a šITA~a1.MUD₃~a 	F2266	 u12A39_u129EF.liga
šU₂.E₂~a šU₂.E₂~a 	F2267	 u12A4A_u127CA.liga
šU₂.E₂~b šU₂.E₂~b 	F2268	 u12A4A_u127CE.liga
šU₂.EN~a šU₂.EN~a 	F21A8	 u12A4A_u127D9.liga
šU₂.EN~a šU₂.EN~a ~1 	F21A6	 u12A4A_u127D9.liga.cv01
šU₂.EN~a šU₂.EN~a ~2 	F21A7	 u12A4A_u127D9.liga.cv02
šU₂.EN~b šU₂.EN~b 	F2269	 u12A4A_u127DA.liga
šU₂.GIŠ šU₂.GIŠ 	F226A	 u12A4A_u128A7.liga
šU₂.(HI×1(N57).HI×1(N57)) šU₂.(HI×1(N57)).(HI×1(N57)) 	F226B	 u12A4A_u12853_u128EC.liga
šU₂.PAP~a šU₂.PAP~a 	F226C	 u12A4A_u12A91.liga

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

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

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

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

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

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

M Implementation Notes on Sequences

This section provides some background on how PCSL handles sequences.

M.1 Sequences have constant character names

In PCSL, the tag @sign is used for sign names and is dissociated from glyph names. All of the variants of a sequences are grouped under a single @sign. The sign name is composed of a conventional ordering of the sequence, with each component joined by periods ('.'). Each sign name is unique among the set of sign names. If there is an attested simple linear sequence for a sequence character, that form is selected for the character name. The mnemonically named LUGAL occurs in a simple linear sequence as |GAL~a.LU₂|, so that is used as the name of the character.

M.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.LU₂~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.

M.3 How unique glyph names are constructed

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

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

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

Similarly, glyph names do not remap or normalize variant components that are considered distinct signs in PCSL. Thus, for character |UŠ~a.KUR~a| there are glyphs |UŠ~a.KUR~a| and |UŠ~b.KUR~a|; similarly, for |EN~a.EZEN~b×ŠE~a.NUN~a.SIG₇| there are glyphs |EN~a.EZEN~b×ŠE~a@t~NUN~a.SIG₇| and (with a distinct component) |EN~a.BAHAR₂~b°SIG₇.ME~a.NUN~a|.

M.4 How glyph names are turned into ligatures

Glyph names are turned into ligatures by taking the base component signs and joining them with the ZWJ, U+200D. 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.NAM₂| has two glyph forms, named |ŠE~a.NAM₂|~1 and |ŠE~a.NAM₂|~2. These are mapped, schematically, to ŠE~a_u200D_NAM₂ and ŠE~a_u200D_NAM₂.cv01. The CVnn used in the font is relative to the number of previous duplicate siblings of the glyph name; in the case of the character |GA~a.ZATU753| there are glyphs |GA~a.ZATU753|~1 and |ZATU753.GA~a|~1; neither ligature therefore requires a CVnn.

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

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

N Fonts for the Proposal

The proposal is supported by two fonts:

N.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
- 12690-12BF9 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

N.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.