

Proposal to Encode Proto-Cuneiform

Anshuman Pandey and Steve Tinney, 2025-06-07

This is a revised proposal to encode ‘Proto-Cuneiform’ (ISO 15924 Pcun) 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’. Accordingly, this ancestral writing system is known as ‘proto-cuneiform’. The ‘Sumero-Akkadian Cuneiform’ block in Unicode contains these cuneiform signs. 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.

Contents

1 Previous Proposals	3
2 The Archaic Period in Mesopotamia	3
2.1 Birth of Cities	3
2.2 History	4
2.3 Major Text Corpora	4
2.3.1 Administrative Texts	4
2.3.2 Lexical Lists	5
2.4 Writing Phases	5
2.5 Vocabulary	6
3 Rationale for Separately Encoding Proto-Cuneiform	6
3.1 ED I-II Excluded from the Proposal	8
3.1.1 PC signs in ED I-II	11
4 Materials for Encoding Proto-Cuneiform	11
4.1 Texts	12
4.1.1 The Print Corpus	12
4.1.2 The Digital Corpus	12
4.1.3 PCSL Corpus	13
4.1.4 PC25 Corpus	13
4.2 Signs	13
4.2.1 Grapheme Distribution	13
4.2.2 PCSL Corpus Grapheme Distribution	14
4.3 Lists	14
4.3.1 Historic Lists	14
4.3.2 The Intended Standard List	14
4.3.3 Revisionist Lists	14
4.3.4 The Digital List	15
4.3.5 The Oracc List	15
4.3.6 Sign Lists and Prior PC Proposals	15
4.3.7 Sign List Cautions	15
4.4 Coverage	16

5 Principles for Encoding	16
5.1 (Non-)Contrastive Usage	16
5.1.1 (Non-)Contrastive Usage in Complex and Compound Signs	17
5.2 Sequences	17
5.3 Principles	17
5.4 Advantages of the Revised Approach	18
5.5 Reference Glyphs	18
5.6 More on Sequences	19
5.6.1 Sequences are not encoded	19
5.6.2 Opaque sequences are not encoded	19
5.6.3 Reasons for Exceptions	19
5.6.4 List of Exceptions	19
6 Proposal Documents	20
6.1 Code Charts	21
6.2 Character List	27
References	43
Appendices	43
A PCSL Table	43
B ZATU-PCSL Concordance	191
C PCSL Non-PC25	200
D PC25 Not Encoded: Broken	208
E PC25 Not Encoded: Uruk V not in Sub-corpus	210
F PC25 Not Encoded: Uruk IV/III not in Sub-corpus	211
G PC25 Not Encoded: ED I-II not in Sub-corpus	221
H PC25 Not Encoded: Delete	225
I PC25 Not Encoded: Number (non-ACN)	226
J PC25 Not Encoded: Sequence	229
K PC25 Encoded Exceptional Sequences	240
L Sequences Data	242
M Implementation Notes on Sequences	257
M.1 Sequences have constant character names	257
M.2 Glyphs have unique names	258
M.3 How unique glyph names are constructed	258
M.4 How glyph names are turned into ligatures	258
N Fonts for the Proposal	258
N.1 PCSL.ttf	258
N.2 pc25-cc.ttf	259

1 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 supercedes recommendations made by Stephen Tinney in the following document related to the composition of the scholarly and Unicode repertoires:

- [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.

2 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”, pages 1-233 in J. Bauer, R.K. Englund and M. Krebernik, *Mesopotamien: Spätruk-Zeit und Frhodynastische Zeit* (Orbis Biblicus et Orientalis 160/1). Gottingen, 1998, available as an open access download at <https://www.zora.uzh.ch/id/eprint/151545/>. The following sketch is based on Englund’s discussion to which the reader is referred for a detailed account.

2.1 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.

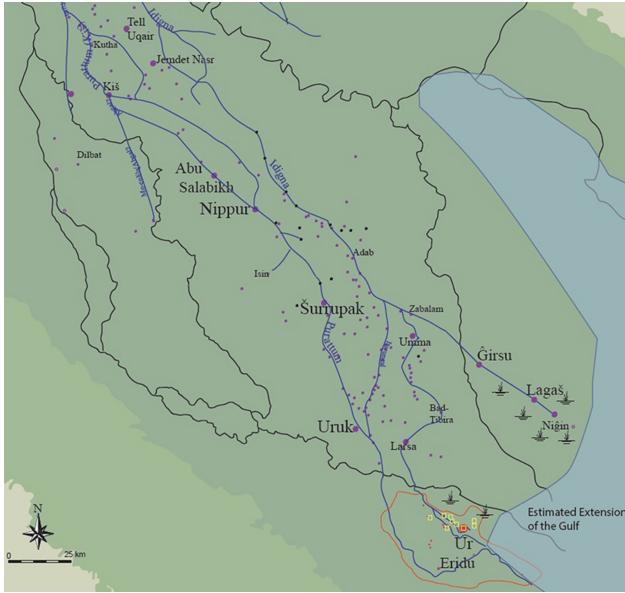


Figure 1: Map of southern Iraq showing canal networks and key settlements of the late fourth and early third millennia BCE (after Benati, <https://cdli.earth/articles/cdlj/2015-2>)

2.2 History

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

As Englund demonstrates, however, archaic administrative texts reflect organized agriculture, animal husbandry, and other production. The documents evidence social hierarchy and specialization and some texts can be understood as inventories of labourers, possibly slaves captured in military operations.

The sporadic nature of both archaeological excavations and text corpora is another impediment to a continuous history of these early periods. Figure 2 provides a schematic overview of the sequence of major text finds in the 'Writing Phase' column. Only small groups of texts are omitted from the Late Uruk/Jemdet Nasr period (Uqair, Larsa). For ED I-II we have only the ED I-II Ur texts and a few dozen tablets from Uruk which are later than archaic. Then the record is silent until Fara (Šuruppak).

2.3 Major Text Corpora

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 Uruk III is not based on stratigraphy but on formal and palaeographic features.

2.3.1 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.

This form of spatial division of the tablets into cases which are often quite narrow gives rise to an important feature of the writing 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.

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

Figure 2: Chronological overview of early Mesopotamia from Englund p.23.

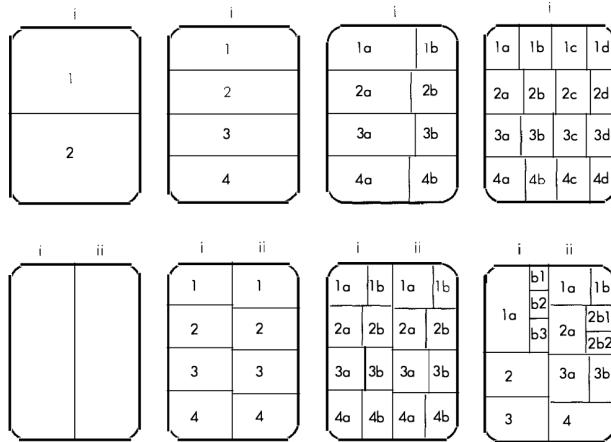


Figure 3: Sample tablet organizations; the CDLI transliterations utilize dotted line numbers to address cases of the form 1a.b2 etc.

2.3.2 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. Importantly, many of these lexical lists continue into the Early Dynastic period, where manuscripts from Fara and Abu Salabikh write the same content but in contemporary cuneiform. This provides the best evidence for the alignment of PC and SAC, but an account of these alignments is beyond the scope of Unicode.

The disciplinary practice with lexical lists, which are attested mostly in small fragments containing only a few lines of the text, is to create composites which allow for an overview of the list and in which each individual entry is evidenced by one or more manuscripts. A sample composite is given in the figure above, and examples of lexical tablets are below.

2.4 Writing Phases

The precise analysis of writing phases in the Uruk texts is hampered by the lack of tablet finds in primary archaeological context. 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 dis-

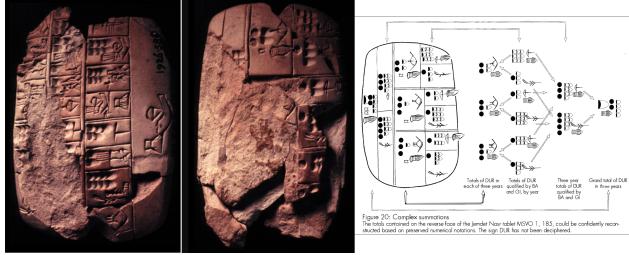


Figure 4: The complex summation MSVO 1, 185 with Englund's analysis.

cussion of this is accompanied by a figure which is unfortunately absent from the PDF of the book; his Figure 22 is reproduced here.

2.5 Vocabulary

The language of the archaic corpus is uncertain: many would accept that it is Sumerian, but for Englund and others this remains stubbornly unprovable. 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.

3 Rationale for Separately Encoding Proto-Cuneiform

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

The initial scope of the encoding covered the cuneiform script as used from the Ur III period through the first millennium, although a few distinctions only apparent in the Early Dynastic period, such as IM vs. NI₂, and a few characters used only in the Early Dynastic period, such as 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 CUNEIFORM SIGN IL, from Early Dynastic IIb to Old Babylonian and Neo-Assyrian . Indeed the glyphs of some proto-cuneiform signs would lie within the glyptic range of some archaizing Early Dynastic inscriptions: compare the sign LAK500 or on the shoulder of the ED IIb statue of [P222640] with the reference glyph proposed for U+12860 PROTO-CUNEIFORM SIGN IL.

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

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

1. Switching to a system of opaque sign names without interpretation, for instance, always GAR for the proposed U+127EF PROTO-CUNEIFORM SIGN GAR regardless of context rather than a context-dependent reading gar

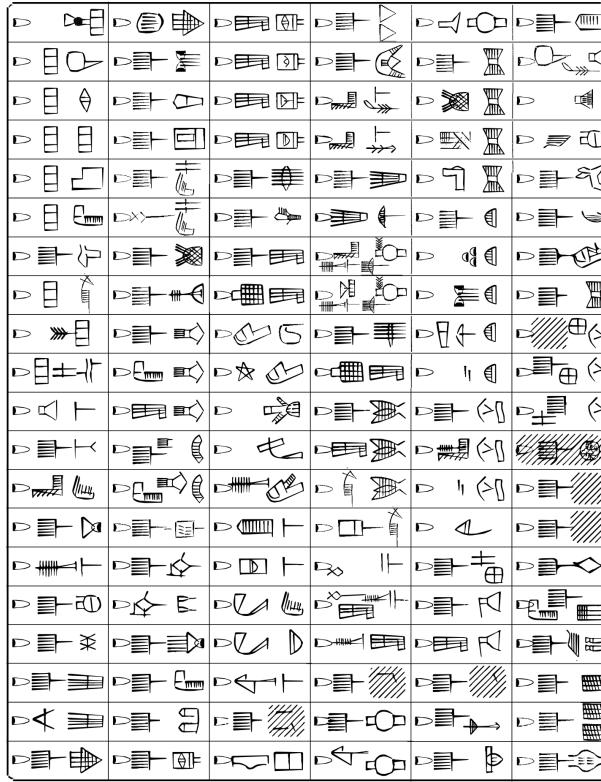


Figure 5: Englund’s composite of the professions/occupations list, Lu. Shaded areas are entries that cannot be fully reconstructed from the extant manuscripts.

(heap), $ninj_2$ (thing), or $ninda$ (bread) and interchangeable GAR, $NIIJ_2$, or NINDA when referring to the abstract sign for U+120FB 𒃩 CUNEIFORM SIGN GAR.

2. Avoiding sign names based on Sumerian readings of sign sequences, so that 𒁹 𒈪 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 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 𒂔 MES and 𒂔 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 𒂔 𒂘 𒂔 mes-lu₂-nu-še₃ in Section 3.1.

The same holds for the avoidance of readings of sign sequences; an interoperable encoding of cuneiform 𒀭 𒂕 𒂕 is achieved by reading it as nunuz uz^{mušen} “duck eggs”, and accordingly using the UZ sign, U+122BB 𒂕, whereas 𒀭 𒂕 𒂕 is read as 𒂕 sila₃ še mušen niga “𒂕 sila of barley for fattening the birds”, and thus encoded using the sequence (U+122BA 𒂕, U+12137 𒂕). In general, this means that in the cuneiform script, interoperability is



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

retained regardless of whether a particular *diri* (compound sign sequence) is encoded as a sequence, like $\square\triangle\triangle$ or $\square\triangle\triangle$, or atomically, like $\triangle\triangle\triangle$ or $\triangle\triangle$. 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 $\triangle\triangle\triangle$ ŠITA_{b3} turns out not to be related to $\triangle\triangle$ ŠITA, but instead to $\triangle\triangle$ SILA_x(LAK636) [Wag16, p. 220]; proto-cuneiform $\triangle\triangle\triangle$ KAB is not the ancestor of cuneiform $\triangle\triangle$ KAB, but instead that of $\triangle\triangle$ HUB₂ and $\triangle\triangle$ TUKU [Wag16, p. 274], a misnomer perhaps attributable to the second millennium $\triangle\triangle$ - $\triangle\triangle$ merger. 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 $\triangle\triangle\triangle$ IM_a and $\triangle\triangle\triangle$ NI₂ into cuneiform $\triangle\triangle$ TE, $\triangle\triangle$ IM, and $\triangle\triangle$ NI₂, or [Wag16, p. 220] on the three proto-cuneiform ancestors of $\triangle\triangle$ 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.

3.1 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.

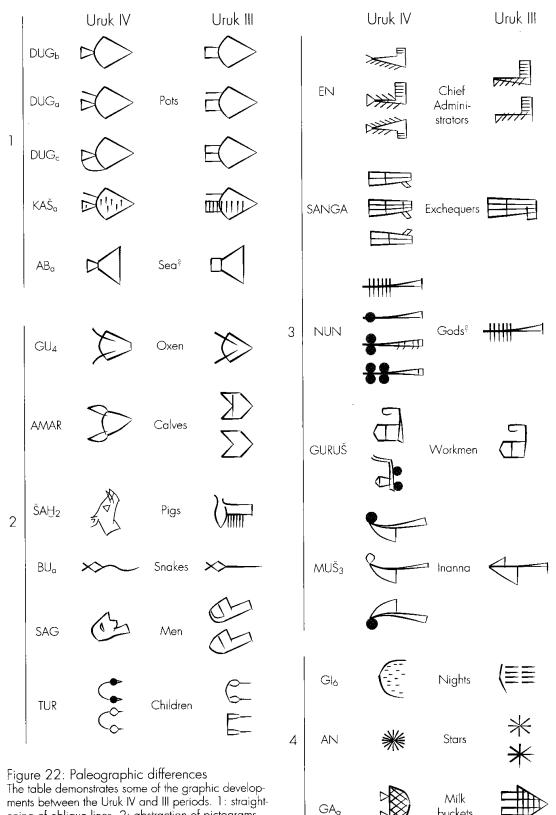


Figure 22: Paleographic differences
The table demonstrates some of the graphic developments between the Uruk IV and III periods. 1: straightening of oblique lines, 2: abstraction of pictograms, 3: simplification of elements, standardization of sign orientation, 4: varia

Figure 7: Englund's overview of Uruk IV/Uruk III sign forms.

	Age	Sex	Females	Males
			Ug	UDUNITA UDUNITA UDUNITA
SMALL CATTLE: SHEEP AND GOATS	Wool Sheep	Adults	 	 a  b  c
		Juveniles	 c	KIR11  
	Fleeced Sheep (?)			 a  c
				 b  d
DU  a  b  c	Goats	Adults	     	MAŠ₂ 
		Juveniles	EŠGAR 	MAŠ 

Figure 8: Signs for ovi-caprids, after Englund.

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 gu₂-an-še₃.

Uruk IV	Uruk III	sign name	meaning	Uruk IV	Uruk III	sign name	meaning
		DUG _a	beer			KAŠ _b	dairy fat mixed with crushed barley?
		KAŠ _a	beer			KAŠ _c	dairy fat mixed with crushed barley?
		KISIM _a	butter fat from sheep's milk			NI _a	dairy fat?
		KISIM _b	butter fat from goat's milk				
		DUG _b	dairy fat			GA _a	milk?
		DUG _c	dairy fat				
		UKKIN _b +NI _a	dairy fat			GARA _{2a}	cream?

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

Figure 9: Signs for dairy products, after Englund.

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.

3.1.1 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.

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 Materials for Encoding Proto-Cuneiform

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

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

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

The PC corpus as hosted on the Cuneiform Digital Library Initiative website 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.

4.1 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.

4.1.1 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 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.

4.1.2 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 supercede ATU1
- Jemdet Nasr (Uruk III) tablets from MSVO1; these supercede 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

4.1.3 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

4.1.4 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

4.2 Signs

4.2.1 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.

4.2.2 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

4.3 Lists

4.3.1 Historic Lists

The earliest list of Proto-Cuneiform signs is Stephen Langdon's PI [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.

4.3.2 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.]).

4.3.3 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.

4.3.4 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.

4.3.5 The Oracc List

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

4.3.6 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.

4.3.7 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).AB₂| may mean "a one-year-old cow" and could equally well be notated as 1(N57) AB₂—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)

4.4 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.

5 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.

5.1 (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, KUŠU_{2-a} to KUŠU_{2-f}: each of these allographs has instances in the corpus.

5.1.1 (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 KAR_{2-a} and KAR_{2-b} in CDLI-tc and CDLI-gh, but in the DARA₃×KAR₂ compounds the only notations that occur are |DARA_{3-c}×KAR₂| and |DARA_{3-d}×KAR₂|. The encoding by default follows the CDLI notations in such cases.

5.2 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. The handling of sequences in PCSL—including a list of exceptions which are actually encoded—is described in a separate section later in this document.

5.3 Principles

The principal imperatives are:

1. Treat the PC corpus as the primary source of truth about the signiary and usage. Use the corpus as a control on the lists; use the published lists and corpus as a control on CDLI-gh.
2. Align names with CDLI-tc/CDLI-gh as much as possible to ensure that the encoding is closely aligned with existing scholarly practice. Make exceptions where required to correct names or to improve consistency of the naming scheme; if in doubt, retain the CDLI names.
3. Take contrastive usage into account to the extent supported by contemporary scholarship and do not encode non-contrastive sign variants under their own codepoints. The CDLI-tc corpus is the primary guide to non-contrastive usage: different sign forms which are transliterated the same are accepted as non-contrastive.
4. Accept that allograph notations in the corpus are contrastive
5. Do not introduce finer-grained allograph notations than CDLI-tc/CDLI-gh is using. The decisions made in the corpus about whether sign variants are contrastive or not are made not only on the basis of form but also context of various kinds; specialists in the corpus should decide if further division is needed in the future
6. Do not require a minimum number of occurrences for encoding: the corpus consists of mostly fragmentary manuscripts over 5000 years old—if a sign clearly exists and meets the other principles for encoding, it should be encoded
7. Do not assume that every sign list entry should be encoded as a character
8. Do not generally encode sequences; this includes sequences which are named in CDLI-gh and CDLI-tc as single characters ("opaque sequences") but where the naming is an interpretive mnemonic for a sign group such as ŠAB for |PA.IB| and the like

9. Do make exceptions to the sequences rule for items which:
 - are not historically sequences but are later decomposed, e.g., some city names
 - would require the encoding of separate constituent characters for a single case
 - form part of a group which contains a mixture of members where some members might otherwise be encoded as characters and others as sequence
10. 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.
11. Do not separately encode signs which occur only in complex signs
12. Do not encode uncertain signs, especially those from unedited texts such as the Schøyen Umma material
13. Do not encode broken signs; include them in the PUA instead.

5.4 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

5.5 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.

5.6 More on Sequences

5.6.1 Sequences are not encoded

Following the above principles, signs which are composed of sequences of multiple adjacent signs should not be encoded. 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.

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.

5.6.2 Opaque sequences are not encoded

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.

5.6.3 Reasons for Exceptions

Although sequences are not generally encoded, there are several reasons for making exceptions to this policy:

Reanalysis Proto-Cuneiform signs that are originally integral units may be reanalyzed into separate constituents. Where this is demonstrably the case, the original character is encoded and the reanalyzed sequence is considered a glyph variant.

Container Equivalency Some signs are allowed as exceptions because the juxtaposition of elements is the equivalent of a container (TIMES) relationship.

Unencoded Constituents Some sequences contain constituents that are otherwise unattested; in this case the choice is either to encode a sign which may not be attested independently, or to encode the sequence. In general the option adopted is to encode the sequence as a character.

Analogy Some sequences are part of a group and would naturally be considered by users of the encoding to be analogous to each other. Where one or more members of a group fulfils either of the previous conditions for encoding as a character, PC25 encodes the entire group as individual characters by analogy to avoid a possibly confusing mixture of encoded and unencoded group members.

5.6.4 List of Exceptions

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.

Container Equivalency The signs ASAR and AZ are the equivalent of containers.

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).

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.

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.

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.

6 Proposal Documents

The reference data for the proposal is in 'UnicodeData.txt', attached to this PDF.
Code charts and a character list are provided in the following pages for informational purposes only.

6.1 Code Charts

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

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

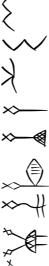
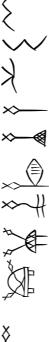
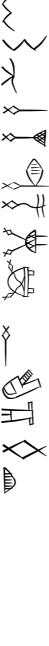
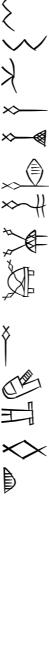
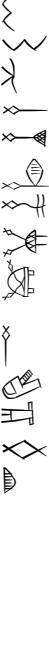
	1280	1281	1282	1283	1284	1285	1286	1287	1288	1289	128A	128B	128C	128D	128E	128F
0																
1																
2																
3																
4																
5																
6																
7																
8																
9																
A																
B																
C			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

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

	12A0	12A1	12A2	12A3	12A4	12A5	12A6	12A7	12A8	12A9	12AA	12AB	12AC	12AD	12AE	12AF
0																
1																
2																
3																
4																
5																
6																
7																
8																
9																
A																
B																
C																
D																
E																
F																

	12B0	12B1	12B2	12B3	12B4	12B5	12B6	12B7	12B8	12B9	12BA	12BB	12BC	12BD	12BE	12BF
0																
1																
2																
3																
4																
5																
6																
7																
8																
9																
A																
B																
C																
D																
E																
F																

6.2 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 NA2-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-B PLUS SHE-A	12737		PROTO-CUNEIFORM SIGN DUB NUTILLU-B TIMES ONE N58-A
12708		PROTO-CUNEIFORM SIGN DARA3-D TIMES KAR2-B PLUS SHE-A	12738		PROTO-CUNEIFORM SIGN DUB2
12709		PROTO-CUNEIFORM SIGN DARA4-A1	12739		PROTO-CUNEIFORM SIGN DUG-A
1270A		PROTO-CUNEIFORM SIGN DARA4-A2	1273A		PROTO-CUNEIFORM SIGN DUG-A TIMES KU6-A
1270B		PROTO-CUNEIFORM SIGN DARA4-A3	1273B		PROTO-CUNEIFORM SIGN DUG-A TIMES NAGA-A
1270C		PROTO-CUNEIFORM SIGN DARA4-B	1273C		PROTO-CUNEIFORM SIGN DUG-A TIMES U2-A
1270D		PROTO-CUNEIFORM SIGN DARA4-C	1273D		PROTO-CUNEIFORM SIGN DUG-A TIMES U2-B
1270E		PROTO-CUNEIFORM SIGN DARA4-C1	1273E		PROTO-CUNEIFORM SIGN DUG-A TIMES ONE N57
1270F		PROTO-CUNEIFORM SIGN DARA4-C2	1273F		PROTO-CUNEIFORM SIGN DUG-B
12710		PROTO-CUNEIFORM SIGN DARA4-C3	12740		PROTO-CUNEIFORM SIGN DUG-B TIMES AB2
12711		PROTO-CUNEIFORM SIGN DARA4-C4	12741		PROTO-CUNEIFORM SIGN DUG-B TIMES ANSHE-B
12712		PROTO-CUNEIFORM SIGN DARA4-C5	12742		PROTO-CUNEIFORM SIGN DUG-B TIMES ANSHE-D
12713		PROTO-CUNEIFORM SIGN DARA4-D	12743		PROTO-CUNEIFORM SIGN DUG-B TIMES BALA-A
12714		PROTO-CUNEIFORM SIGN DI	12744		PROTO-CUNEIFORM SIGN DUG-B TIMES BIR3-C
12715		PROTO-CUNEIFORM SIGN DI TENU	12745		PROTO-CUNEIFORM SIGN DUG-B TIMES DIN
12716		PROTO-CUNEIFORM SIGN DIB	12746		PROTO-CUNEIFORM SIGN DUG-B TIMES DIN REVERSED
12717		PROTO-CUNEIFORM SIGN DILMUN	12747		PROTO-CUNEIFORM SIGN DUG-B TIMES GA-A
12718		PROTO-CUNEIFORM SIGN DIM-A	12748		PROTO-CUNEIFORM SIGN DUG-B TIMES GA-B
12719		PROTO-CUNEIFORM SIGN DIM-B	12749		PROTO-CUNEIFORM SIGN DUG-B TIMES GESHTU-A
1271A		PROTO-CUNEIFORM SIGN DIM-C	1274A		PROTO-CUNEIFORM SIGN DUG-B TIMES GESHTU-B
1271B		PROTO-CUNEIFORM SIGN DIN	1274B		PROTO-CUNEIFORM SIGN DUG-B TIMES GI6
1271C		PROTO-CUNEIFORM SIGN DIN TIMES ONE N58	1274C		PROTO-CUNEIFORM SIGN DUG-B TIMES GISH
1271D		PROTO-CUNEIFORM SIGN DIN TENU	1274D		PROTO-CUNEIFORM SIGN DUG-B TIMES HI
1271E		PROTO-CUNEIFORM SIGN DU	1274E		PROTO-CUNEIFORM SIGN DUG-B TIMES HI GUNU-A
1271F		PROTO-CUNEIFORM SIGN DU TIMES ONE N58 TENU	1274F		PROTO-CUNEIFORM SIGN DUG-B TIMES KASKAL
12720		PROTO-CUNEIFORM SIGN DU GUNU	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 TENU
12756		PROTO-CUNEIFORM SIGN DUG-B TIMES NAGA-A	12781		PROTO-CUNEIFORM SIGN E2-B
12757		PROTO-CUNEIFORM SIGN DUG-B TIMES NAM2	12782		PROTO-CUNEIFORM SIGN E2-B TIMES ONE N58 TENU
12758		PROTO-CUNEIFORM SIGN DUG-B TIMES SA-A	12783		PROTO-CUNEIFORM SIGN E2-C
12759		PROTO-CUNEIFORM SIGN DUG-B TIMES SA-A PLUS GI	12784		PROTO-CUNEIFORM SIGN E2-D
1275A		PROTO-CUNEIFORM SIGN DUG-B TIMES SI4-A	12785		PROTO-CUNEIFORM SIGN E3-B
1275B		PROTO-CUNEIFORM SIGN DUG-B TIMES SIG2-A1	12786		PROTO-CUNEIFORM SIGN EDIN
1275C		PROTO-CUNEIFORM SIGN DUG-B TIMES SIG2-A2	12787		PROTO-CUNEIFORM SIGN EN-A
1275D		PROTO-CUNEIFORM SIGN DUG-B TIMES SIG7	12788		PROTO-CUNEIFORM SIGN EN-B
1275E		PROTO-CUNEIFORM SIGN DUG-B TIMES SUHUR	12789		PROTO-CUNEIFORM SIGN EN-B TENU
1275F		PROTO-CUNEIFORM SIGN DUG-B TIMES SHAH2-A	1278A		PROTO-CUNEIFORM SIGN EN-C
12760		PROTO-CUNEIFORM SIGN DUG-B TIMES SHE-A	1278B		PROTO-CUNEIFORM SIGN EN GUNU-A
12761		PROTO-CUNEIFORM SIGN DUG-B TIMES SHE-A PLUS NAM2	1278C		PROTO-CUNEIFORM SIGN EN GUNU-B
12762		PROTO-CUNEIFORM SIGN DUG-B TIMES TAK4-A	1278D		PROTO-CUNEIFORM SIGN EN2
12763		PROTO-CUNEIFORM SIGN DUG-B TIMES TAK4-A PLUS SA-A	1278E		PROTO-CUNEIFORM SIGN ERIM-A
12764		PROTO-CUNEIFORM SIGN DUG-B TIMES TAK4-A PLUS SAL	1278F		PROTO-CUNEIFORM SIGN ERIM-B1
12765		PROTO-CUNEIFORM SIGN DUG-B TIMES TI	12790		PROTO-CUNEIFORM SIGN ERIM-B2
12766		PROTO-CUNEIFORM SIGN DUG-B TIMES U2-A	12791		PROTO-CUNEIFORM SIGN ERIN
12767		PROTO-CUNEIFORM SIGN DUG-B TIMES U2-B	12792		PROTO-CUNEIFORM SIGN ESHDA
12768		PROTO-CUNEIFORM SIGN DUG-B TIMES UDU-A	12793		PROTO-CUNEIFORM SIGN ESHDA TIMES TAR-A
		TIMES TAR-B	12794		PROTO-CUNEIFORM SIGN ESHGAR
12769		PROTO-CUNEIFORM SIGN DUG-B TIMES UH3-A	12795		PROTO-CUNEIFORM SIGN EZEN-A
1276A		PROTO-CUNEIFORM SIGN DUG-B TIMES UH3-A TENU	12796		PROTO-CUNEIFORM SIGN EZEN-A TIMES EN-B
			12797		PROTO-CUNEIFORM SIGN EZEN-A TIMES HI TIMES ONE N57 PLUS AN
1276B		PROTO-CUNEIFORM SIGN DUG-B TIMES ZATU764	12798		PROTO-CUNEIFORM SIGN EZEN-A TIMES KAB
1276C		PROTO-CUNEIFORM SIGN DUG-B TIMES ZATU779	12799		PROTO-CUNEIFORM SIGN EZEN-A TIMES KASH-B
1276D		PROTO-CUNEIFORM SIGN DUG-B TIMES ZATU780	1279A		PROTO-CUNEIFORM SIGN EZEN-A TIMES KI
1276E		PROTO-CUNEIFORM SIGN DUG-B TIMES ZATU781	1279B		PROTO-CUNEIFORM SIGN EZEN-A TIMES NIM-B2
1276F		PROTO-CUNEIFORM SIGN DUG-B TIMES ZATU789 PLUS SA-A	1279C		PROTO-CUNEIFORM SIGN EZEN-A TIMES NIMGIR
12770		PROTO-CUNEIFORM SIGN DUG-B TIMES ONE N57	1279D		PROTO-CUNEIFORM SIGN EZEN-A TIMES RAD-A
12771		PROTO-CUNEIFORM SIGN DUG-B TIMES ONE N57 PLUS KU3-A	1279E		PROTO-CUNEIFORM SIGN EZEN-A TIMES SU-A
12772		PROTO-CUNEIFORM SIGN DUG-B TIMES ONE N58	1279F		PROTO-CUNEIFORM SIGN EZEN-A TIMES U2-B PLUS A
12773		PROTO-CUNEIFORM SIGN DUG-B OVER DUG-B TIMES ONE N58	127A0		PROTO-CUNEIFORM SIGN EZEN-A TIMES U4
12774		PROTO-CUNEIFORM SIGN DUG-C	127A1		PROTO-CUNEIFORM SIGN EZEN-B
12775		PROTO-CUNEIFORM SIGN DUG-C TIMES ONE N57	127A2		PROTO-CUNEIFORM SIGN EZEN-B TIMES SHE-A
12776		PROTO-CUNEIFORM SIGN DUG-C TENU	127A3		PROTO-CUNEIFORM SIGN EZEN-B TIMES SIX N57
12777		PROTO-CUNEIFORM SIGN DUG-D	127A4		PROTO-CUNEIFORM SIGN EZEN-B TENU
12778		PROTO-CUNEIFORM SIGN DUGUD	127A5		PROTO-CUNEIFORM SIGN EZINU-A
12779		PROTO-CUNEIFORM SIGN DUR-A	127A6		PROTO-CUNEIFORM SIGN EZINU-B
1277A		PROTO-CUNEIFORM SIGN DUR-B	127A7		PROTO-CUNEIFORM SIGN EZINU-C
1277B		PROTO-CUNEIFORM SIGN DUR2	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	1283F		PROTO-CUNEIFORM SIGN GUUKKAL-C
12813		PROTO-CUNEIFORM SIGN GIR-B	12840		PROTO-CUNEIFORM SIGN GUL
12814		PROTO-CUNEIFORM SIGN GIR-C	12841		PROTO-CUNEIFORM SIGN GUM-A
12815		PROTO-CUNEIFORM SIGN GIR2-A	12842		PROTO-CUNEIFORM SIGN GUM-B
12816		PROTO-CUNEIFORM SIGN GIR3-A	12843		PROTO-CUNEIFORM SIGN GUM-B NUTILLU
12817		PROTO-CUNEIFORM SIGN GIR3-A TIMES SHE-B	12844		PROTO-CUNEIFORM SIGN GUN3-A
12818		PROTO-CUNEIFORM SIGN GIR3-B	12845		PROTO-CUNEIFORM SIGN GUN3-B
12819		PROTO-CUNEIFORM SIGN GIR3-C	12846		PROTO-CUNEIFORM SIGN GURUSH-A
1281A		PROTO-CUNEIFORM SIGN GIR3-C TIMES SHE3	12847		PROTO-CUNEIFORM SIGN GURUSH-A TIMES TWO N14
1281B		PROTO-CUNEIFORM SIGN GIR3 GUNU-A	12848		PROTO-CUNEIFORM SIGN GURUSH-B
1281C		PROTO-CUNEIFORM SIGN GIR3 GUNU-B	12849		PROTO-CUNEIFORM SIGN GURUSH-B TIMES TWO N14
1281D		PROTO-CUNEIFORM SIGN GIR3 GUNU-C	1284A		PROTO-CUNEIFORM SIGN HAL
1281E		PROTO-CUNEIFORM SIGN GISAL-A	1284B		PROTO-CUNEIFORM SIGN HALUB
1281F		PROTO-CUNEIFORM SIGN GISAL-B	1284C		PROTO-CUNEIFORM SIGN GURUSHDA
12820		PROTO-CUNEIFORM SIGN GISH	1284D		PROTO-CUNEIFORM SIGN HASHHUR
12821		PROTO-CUNEIFORM SIGN GISH TIMES DIN PLUS DIN FORM A	1284E		PROTO-CUNEIFORM SIGN HASHHUR TIMES MA
12822		PROTO-CUNEIFORM SIGN GISH TIMES DIN PLUS DIN FORM B	1284F		PROTO-CUNEIFORM SIGN HI
12823		PROTO-CUNEIFORM SIGN GISH TIMES DIN PLUS DIN FORM C	12850		PROTO-CUNEIFORM SIGN HI TIMES ONE N57
12824		PROTO-CUNEIFORM SIGN GISH TIMES SHU2	12851		PROTO-CUNEIFORM SIGN HI TIMES ONE N57
12825		FORM A FORM B	12852		TENU
12826		PROTO-CUNEIFORM SIGN GISH TENU	12853		PROTO-CUNEIFORM SIGN HI GUNU-A
12827		PROTO-CUNEIFORM SIGN GISH3-A	12854		PROTO-CUNEIFORM SIGN HI GUNU-B
12828		PROTO-CUNEIFORM SIGN GISH3-A OVER GISH3-A	12855		PROTO-CUNEIFORM SIGN HI GUNU-C
12829		PROTO-CUNEIFORM SIGN GISH3-B	12856		PROTO-CUNEIFORM SIGN I
1282A		PROTO-CUNEIFORM SIGN GISHGAL	12857		PROTO-CUNEIFORM SIGN IB-A
1282B		PROTO-CUNEIFORM SIGN GISHIMMAR-A1	12858		PROTO-CUNEIFORM SIGN IB-A NUTILLU
1282C		PROTO-CUNEIFORM SIGN GISHIMMAR-A2	12859		PROTO-CUNEIFORM SIGN IB-B
1282D		PROTO-CUNEIFORM SIGN GISHIMMAR-A3	1285A		PROTO-CUNEIFORM SIGN IB-C
1282E		PROTO-CUNEIFORM SIGN GISHIMMAR-B1	1285B		PROTO-CUNEIFORM SIGN IDIGNA
1282F		PROTO-CUNEIFORM SIGN GISHIMMAR-B2	1285C		PROTO-CUNEIFORM SIGN IG-A
12830		PROTO-CUNEIFORM SIGN GISHIMMAR-B3	1285D		PROTO-CUNEIFORM SIGN IG-B
12831		PROTO-CUNEIFORM SIGN GU	1285E		PROTO-CUNEIFORM SIGN IL
12832		PROTO-CUNEIFORM SIGN GU2	1285F		PROTO-CUNEIFORM SIGN IM-A
12833		PROTO-CUNEIFORM SIGN GU4 GUNU	12860		PROTO-CUNEIFORM SIGN IM-B
12834		PROTO-CUNEIFORM SIGN GU4 GUNU	12861		PROTO-CUNEIFORM SIGN IN-B
			12862		PROTO-CUNEIFORM SIGN IN-D
			12863		PROTO-CUNEIFORM SIGN GU7
			12864		PROTO-CUNEIFORM SIGN GU7

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 UD5-A
128CA		PROTO-CUNEIFORM SIGN LAGAB-A TIMES U4	128F7		PROTO-CUNEIFORM SIGN MAH-A TIMES UDU-A
128CB		PROTO-CUNEIFORM SIGN LAGAB-A TIMES UB	128F8		PROTO-CUNEIFORM SIGN MAH-A TIMES UR-A
128CC		PROTO-CUNEIFORM SIGN LAGAB-A TIMES ZATU753	128F9		PROTO-CUNEIFORM SIGN MAH-A TIMES UTUA-A
128CD		PROTO-CUNEIFORM SIGN LAGAB-A TIMES TWO N14	128FA		PROTO-CUNEIFORM SIGN MAH-A TIMES ZATU659
128CE		PROTO-CUNEIFORM SIGN LAGAB-A TIMES ONE N58	128FB		PROTO-CUNEIFORM SIGN MAH-B
128CF		PROTO-CUNEIFORM SIGN LAGAB-B	128FC		PROTO-CUNEIFORM SIGN MAH-B TIMES NA-A
128D0		PROTO-CUNEIFORM SIGN LAGAB-B TIMES HI	128FD		PROTO-CUNEIFORM SIGN MAH-B TIMES SAL
128D1		PROTO-CUNEIFORM SIGN LAGAB-B TIMES KUR-E	128FE		PROTO-CUNEIFORM SIGN MAR-A
128D2		PROTO-CUNEIFORM SIGN LAGAB-B TIMES PA-A	128FF		PROTO-CUNEIFORM SIGN MAR-A GUNU
128D3		PROTO-CUNEIFORM SIGN LAGAB-B TIMES U4	12900		PROTO-CUNEIFORM SIGN MAR-A TENU
128D4		PROTO-CUNEIFORM SIGN LAGAB-B OVER LAGAB-B	12901		PROTO-CUNEIFORM SIGN MAR-B
128D5		PROTO-CUNEIFORM SIGN LAGAR-A	12902		PROTO-CUNEIFORM SIGN MAR-B TIMES GAR
128D6		PROTO-CUNEIFORM SIGN LAGAR-A REVERSED	12903		PROTO-CUNEIFORM SIGN MAR-B TIMES LAGAB-B
128D7		PROTO-CUNEIFORM SIGN LAGAR-B1	12904		PLUS SHE3
128D8		PROTO-CUNEIFORM SIGN LAGAR-B2	12905		PROTO-CUNEIFORM SIGN MAR-B TIMES SHE-A
128D9		PROTO-CUNEIFORM SIGN LAGAR-C	12906		PROTO-CUNEIFORM SIGN MASH
128DA		PROTO-CUNEIFORM SIGN LAL2-A	12907		PROTO-CUNEIFORM SIGN MASH2
128DB		PROTO-CUNEIFORM SIGN LAL2-A TIMES NAGA-A	12908		PROTO-CUNEIFORM SIGN ME-A
128DC		PROTO-CUNEIFORM SIGN LAL2-A TIMES NIM-B2	12909		PROTO-CUNEIFORM SIGN ME-B
128DD		PROTO-CUNEIFORM SIGN LAL2-B	1290A		PROTO-CUNEIFORM SIGN ME3
128DE		PROTO-CUNEIFORM SIGN LAL3-A	1290B		PROTO-CUNEIFORM SIGN MEN-A
128DF		PROTO-CUNEIFORM SIGN LAL3-B	1290C		PROTO-CUNEIFORM SIGN MEN-B
128E0		PROTO-CUNEIFORM SIGN LAM-A	1290D		PROTO-CUNEIFORM SIGN MES
128E1		PROTO-CUNEIFORM SIGN LAM-B	1290E		PROTO-CUNEIFORM SIGN MIR-A
128E2		PROTO-CUNEIFORM SIGN LAM-B REVERSED	1290F		PROTO-CUNEIFORM SIGN MIR-B
128E3		PROTO-CUNEIFORM SIGN LAM-B TENU	12910		PROTO-CUNEIFORM SIGN MU
128E4		PROTO-CUNEIFORM SIGN LISH	12911		PROTO-CUNEIFORM SIGN MUD
128E5		PROTO-CUNEIFORM SIGN LU2	12912		PROTO-CUNEIFORM SIGN MUD3-A
128E6		PROTO-CUNEIFORM SIGN LUM	12913		PROTO-CUNEIFORM SIGN MUD3-A GUNU
128E7		PROTO-CUNEIFORM SIGN MA	12914		PROTO-CUNEIFORM SIGN MUD3-B
128E8		PROTO-CUNEIFORM SIGN MA TIMES A	12915		PROTO-CUNEIFORM SIGN MUD3-C
128E9		PROTO-CUNEIFORM SIGN MA TIMES MA	12916		PROTO-CUNEIFORM SIGN MUD3-D
128EA		PROTO-CUNEIFORM SIGN MA TIMES ONE N58	12917		PROTO-CUNEIFORM SIGN MUL
128EB		PROTO-CUNEIFORM SIGN MA2	12918		PROTO-CUNEIFORM SIGN MUN-A1
128EC		PROTO-CUNEIFORM SIGN MAGUR-A	12919		PROTO-CUNEIFORM SIGN MUN-A2
128ED		PROTO-CUNEIFORM SIGN MAH-A	1291A		PROTO-CUNEIFORM SIGN MUN-A3
128EE		PROTO-CUNEIFORM SIGN MAH-A TIMES AB2	1291B		PROTO-CUNEIFORM SIGN MUN-A4
128EF		PROTO-CUNEIFORM SIGN MAH-A TIMES GUDDL-A	1291C		PROTO-CUNEIFORM SIGN MUN-B
128F0		PROTO-CUNEIFORM SIGN MAH-A TIMES KU6-A	1291D		PROTO-CUNEIFORM SIGN MUNSHUB-A
128F1		PROTO-CUNEIFORM SIGN MAH-A TIMES MASH	1291E		PROTO-CUNEIFORM SIGN MUNSHUB-B
128F2		PROTO-CUNEIFORM SIGN MAH-A TIMES NA-A	1291F		PROTO-CUNEIFORM SIGN MUNU3
128F3		PROTO-CUNEIFORM SIGN MAH-A TIMES SILA3-A TIMES UMBIN-A	12920		PROTO-CUNEIFORM SIGN MUSH
			12921		PROTO-CUNEIFORM SIGN MUSH3-A
			12922		PROTO-CUNEIFORM SIGN MUSH3-A GUNU
			12923		PROTO-CUNEIFORM SIGN MUSH3-B
			12924		PROTO-CUNEIFORM SIGN MUSHEN
			12925		PROTO-CUNEIFORM SIGN ONE N58 BAD
			12926		PROTO-CUNEIFORM SIGN ONE N58 PLUS BAD FORM B
			12927		PROTO-CUNEIFORM SIGN THREE N58 UR3-B1

12928		PROTO-CUNEIFORM SIGN NA-A	12958		PROTO-CUNEIFORM SIGN NINDA2 TIMES GAR
12929		PROTO-CUNEIFORM SIGN NA-B	12959		PROTO-CUNEIFORM SIGN NINDA2 TIMES GISH
1292A		PROTO-CUNEIFORM SIGN NA-C	1295A		PROTO-CUNEIFORM SIGN NINDA2 TIMES GU4
1292B		PROTO-CUNEIFORM SIGN NA2-A	1295B		PROTO-CUNEIFORM SIGN NINDA2 TIMES HI
1292C		PROTO-CUNEIFORM SIGN NA2-B1	1295C		PROTO-CUNEIFORM SIGN NINDA2 TIMES HI PLUS
1292D		PROTO-CUNEIFORM SIGN NA2-B2	1295D		AN PLUS ME-A
1292E		PROTO-CUNEIFORM SIGN NA2-C	1295E		PROTO-CUNEIFORM SIGN NINDA2 TIMES KASH-B
1292F		PROTO-CUNEIFORM SIGN NAB	1295F		PROTO-CUNEIFORM SIGN NINDA2 TIMES MAR-A
12930		PROTO-CUNEIFORM SIGN NAGA-A	12960		PROTO-CUNEIFORM SIGN NINDA2 TIMES MAR-B
12931		PROTO-CUNEIFORM SIGN NAGA-A TIMES TAK4-A	12961		PROTO-CUNEIFORM SIGN NINDA2 TIMES NUN-A
12932		PROTO-CUNEIFORM SIGN NAGA-B	12962		PROTO-CUNEIFORM SIGN NINDA2 TIMES U4
12933		PROTO-CUNEIFORM SIGN NAGAR-A	12963		PROTO-CUNEIFORM SIGN NINDA2 TIMES ZATU659 ONE N01
12934		PROTO-CUNEIFORM SIGN NAGAR-B	12964		PROTO-CUNEIFORM SIGN NINDA2 TIMES ZATU710
12935		PROTO-CUNEIFORM SIGN NAM-A	12965		PROTO-CUNEIFORM SIGN NINDA2 TIMES ONE N01
12936		PROTO-CUNEIFORM SIGN NAM-B	12966		PROTO-CUNEIFORM SIGN NINDA2 TIMES TWO N01
12937		PROTO-CUNEIFORM SIGN NAM-C	12967		PROTO-CUNEIFORM SIGN NINDA2 TIMES ONE N06
12938		PROTO-CUNEIFORM SIGN NAM-D	12968		PROTO-CUNEIFORM SIGN NINDA2 TIMES ONE N08
12939		PROTO-CUNEIFORM SIGN NAM2	12969		PROTO-CUNEIFORM SIGN NIR-A
1293A		PROTO-CUNEIFORM SIGN NAM2 TIMES ONE N01	1296A		PROTO-CUNEIFORM SIGN NIR-A TIMES AN
1293B		PROTO-CUNEIFORM SIGN NAM2 GUNU	1296B		PROTO-CUNEIFORM SIGN NIR-B
1293C		PROTO-CUNEIFORM SIGN NAM2 TENU	1296C		PROTO-CUNEIFORM SIGN NU
1293D		PROTO-CUNEIFORM SIGN NANSHE-A	1296D		PROTO-CUNEIFORM SIGN NU GUNU
1293E		PROTO-CUNEIFORM SIGN NANSHE-B	1296E		PROTO-CUNEIFORM SIGN NU11
1293F		PROTO-CUNEIFORM SIGN NAR	1296F		PROTO-CUNEIFORM SIGN NU11 OVER NU11
12940		PROTO-CUNEIFORM SIGN NE-A	12970		PROTO-CUNEIFORM SIGN NU11 TENU
12941		PROTO-CUNEIFORM SIGN NE-B	12971		PROTO-CUNEIFORM SIGN NUMUN
12942		PROTO-CUNEIFORM SIGN NE-C	12972		PROTO-CUNEIFORM SIGN NUN-A
12943		PROTO-CUNEIFORM SIGN NE-D	12973		PROTO-CUNEIFORM SIGN NUN-A JOINING A
12944		PROTO-CUNEIFORM SIGN NESAG2-A	12974		PROTO-CUNEIFORM SIGN NUN-A JOINING EN-A
12945		PROTO-CUNEIFORM SIGN NESAG2-B	12975		PROTO-CUNEIFORM SIGN NUN-A JOINING EN-B
12946		PROTO-CUNEIFORM SIGN NI-A	12976		PROTO-CUNEIFORM SIGN NUN-A JOINING EN-D
12947		PROTO-CUNEIFORM SIGN NI-A GUNU	12977		PROTO-CUNEIFORM SIGN NUN-A JOINING NAM2
12948		PROTO-CUNEIFORM SIGN NI-B	12978		PROTO-CUNEIFORM SIGN NUN-B
12949		PROTO-CUNEIFORM SIGN NI-B TIMES FOUR N57	12979		PROTO-CUNEIFORM SIGN NUN-B JOINING EN-A
1294A		PROTO-CUNEIFORM SIGN NI-B TIMES EIGHT N57	1297A		PROTO-CUNEIFORM SIGN NUN-C
1294B		PROTO-CUNEIFORM SIGN NI2	1297B		PROTO-CUNEIFORM SIGN NUN-D
1294C		PROTO-CUNEIFORM SIGN NIGIN	1297C		PROTO-CUNEIFORM SIGN NUNUZ-A0
1294D		PROTO-CUNEIFORM SIGN NIM-A	1297D		PROTO-CUNEIFORM SIGN NUNUZ-A1
1294E		PROTO-CUNEIFORM SIGN NIM-B1	1297E		PROTO-CUNEIFORM SIGN NUNUZ-A2
1294F		PROTO-CUNEIFORM SIGN NIM-B2	1297F		PROTO-CUNEIFORM SIGN NUNUZ-B1
12950		PROTO-CUNEIFORM SIGN NIM-B3	12980		PROTO-CUNEIFORM SIGN NUNUZ-C
12951		PROTO-CUNEIFORM SIGN NIMGIR	12981		PROTO-CUNEIFORM SIGN PA-A
12952		PROTO-CUNEIFORM SIGN NINDA2	12982		PROTO-CUNEIFORM SIGN PA-B
12953		PROTO-CUNEIFORM SIGN NINDA2 TIMES AN	12983		PROTO-CUNEIFORM SIGN PAD-A
12954		PROTO-CUNEIFORM SIGN NINDA2 TIMES AN PLUS HI	12984		PROTO-CUNEIFORM SIGN PAD-B
12955		PROTO-CUNEIFORM SIGN NINDA2 TIMES AN PLUS ME-A	12985		PROTO-CUNEIFORM SIGN PAP-A
12956		PROTO-CUNEIFORM SIGN NINDA2 TIMES EZEN-B			GAAR-A1

12986		PROTO-CUNEIFORM SIGN PAP-A TENU	129B6		PROTO-CUNEIFORM SIGN SI4-B
12987		PROTO-CUNEIFORM SIGN PAP-B	129B7		PROTO-CUNEIFORM SIGN SI4-C
12988		PROTO-CUNEIFORM SIGN PIRIG-A1	129B8		PROTO-CUNEIFORM SIGN SI4-D
12989		PROTO-CUNEIFORM SIGN PIRIG-A2	129B9		PROTO-CUNEIFORM SIGN SI4-F
1298A		PROTO-CUNEIFORM SIGN PIRIG-A3	129BA		PROTO-CUNEIFORM SIGN SIG
1298B		PROTO-CUNEIFORM SIGN PIRIG-B1	129BB		PROTO-CUNEIFORM SIGN SIG2-A1
1298C		PROTO-CUNEIFORM SIGN PIRIG-B1 JOINING DIN	129BC		PROTO-CUNEIFORM SIGN SIG2-A2
1298D		PROTO-CUNEIFORM SIGN PIRIG-B2	129BD		PROTO-CUNEIFORM SIGN SIG2-A3
1298E		PROTO-CUNEIFORM SIGN PU2	129BE		PROTO-CUNEIFORM SIGN SIG2-A4
1298F		PROTO-CUNEIFORM SIGN RA	129C0		PROTO-CUNEIFORM SIGN SIG2-B OVER SIG2-B
12990		PROTO-CUNEIFORM SIGN RAD-A	129C1		PROTO-CUNEIFORM SIGN SIG2-C1
12991		PROTO-CUNEIFORM SIGN RAD-A GUNU	129C2		PROTO-CUNEIFORM SIGN SIG2-C2
12992		PROTO-CUNEIFORM SIGN RAD-B	129C3		PROTO-CUNEIFORM SIGN SIG2-D1
12993		PROTO-CUNEIFORM SIGN RI8-A	129C4		PROTO-CUNEIFORM SIGN SIG2-D2
12994		PROTO-CUNEIFORM SIGN RI8-B	129C5		PROTO-CUNEIFORM SIGN SIG2-D3
12995		PROTO-CUNEIFORM SIGN RU	129C6		PROTO-CUNEIFORM SIGN SIG2-D4
12996		PROTO-CUNEIFORM SIGN SA-A	129C7		PROTO-CUNEIFORM SIGN SIG2-E
12997		PROTO-CUNEIFORM SIGN SA-C	129C8		PROTO-CUNEIFORM SIGN SIG4
12998		PROTO-CUNEIFORM SIGN SAG	129C9		PROTO-CUNEIFORM SIGN SIG7
12999		PROTO-CUNEIFORM SIGN SAG JOINING UKKIN-B	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	129E5		

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
129E8		PROTO-CUNEIFORM SIGN SILA3-A TIMES ZATU646	12A14		PROTO-CUNEIFORM SIGN SHA3-A2
129E9		PROTO-CUNEIFORM SIGN SILA3-A TIMES ZATU659 PLUS TU-C	12A15		PROTO-CUNEIFORM SIGN SHA3-A2 GUNU
129EA		PROTO-CUNEIFORM SIGN SILA3-A TIMES ONE N57	12A16		PROTO-CUNEIFORM SIGN SHA3-B
129EB		PROTO-CUNEIFORM SIGN SILA3-B	12A17		PROTO-CUNEIFORM SIGN SHA3-C
129EC		PROTO-CUNEIFORM SIGN SILA3-B TIMES GUG2	12A18		PROTO-CUNEIFORM SIGN SHA3-D
129ED		PROTO-CUNEIFORM SIGN SILA3-B TIMES NAGA-B	12A19		PROTO-CUNEIFORM SIGN SHAGAN
129EE		PROTO-CUNEIFORM SIGN SILA3-B TIMES NI-A	12A1A		PROTO-CUNEIFORM SIGN SHAGINA
129EF		PROTO-CUNEIFORM SIGN SILA3-B TIMES NI-B	12A1B		PROTO-CUNEIFORM SIGN SHAH2-A
129F0		PROTO-CUNEIFORM SIGN SILA3-C TIMES ZATU687	12A1C		PROTO-CUNEIFORM SIGN SHAH2-B
129F1		PROTO-CUNEIFORM SIGN SILA4-A	12A1D		PROTO-CUNEIFORM SIGN SHAH2-C
129F2		PROTO-CUNEIFORM SIGN SILA4-B	12A1E		PROTO-CUNEIFORM SIGN SHAKIR-A
129F3		PROTO-CUNEIFORM SIGN SILA4-C	12A1F		PROTO-CUNEIFORM SIGN SHAKIR-B
129F4		PROTO-CUNEIFORM SIGN SILA4-D	12A20		PROTO-CUNEIFORM SIGN SHAKIR-C
129F5		PROTO-CUNEIFORM SIGN SILANITA	12A21		PROTO-CUNEIFORM SIGN SHAM2
129F6		PROTO-CUNEIFORM SIGN SIMUG	12A22		PROTO-CUNEIFORM SIGN SHE-A
129F7		PROTO-CUNEIFORM SIGN SU-A	12A23		PROTO-CUNEIFORM SIGN SHE-A OVER SHE-A
129F8		PROTO-CUNEIFORM SIGN SU-A TIMES ONE N58	12A24		PROTO-CUNEIFORM SIGN SHE-A TENU
129F9		PROTO-CUNEIFORM SIGN SU-B	12A25		PROTO-CUNEIFORM SIGN SHE-B
129FA		PROTO-CUNEIFORM SIGN SU-C	12A26		PROTO-CUNEIFORM SIGN SHE-C
129FB		PROTO-CUNEIFORM SIGN SU3	12A27		PROTO-CUNEIFORM SIGN SHE3
129FC		PROTO-CUNEIFORM SIGN SUG	12A28		PROTO-CUNEIFORM SIGN SHE3 TENU
129FD		PROTO-CUNEIFORM SIGN SUG5	12A29		PROTO-CUNEIFORM SIGN SHEG9
129FE		PROTO-CUNEIFORM SIGN SUH3	12A2A		PROTO-CUNEIFORM SIGN SHEN-A
129FF		PROTO-CUNEIFORM SIGN SUHUR	12A2B		PROTO-CUNEIFORM SIGN SHEN-B
12A00		PROTO-CUNEIFORM SIGN SUHUR GUNU	12A2C		PROTO-CUNEIFORM SIGN SHEN-C
12A01		PROTO-CUNEIFORM SIGN SUHUR NUTILLU	12A2D		PROTO-CUNEIFORM SIGN SHEN-C TENU
12A02		PROTO-CUNEIFORM SIGN SUHUR TENU	12A2E		PROTO-CUNEIFORM SIGN SHEN-D TIMES A
12A03		PROTO-CUNEIFORM SIGN SUKKAL	12A2F		PROTO-CUNEIFORM SIGN SHEN-E
12A04		PROTO-CUNEIFORM SIGN SUKUD	12A30		PROTO-CUNEIFORM SIGN SHENNUR-A
12A05		PROTO-CUNEIFORM SIGN SUKUD JOINING SUKUD FORM A	12A31		PROTO-CUNEIFORM SIGN SHENNUR-B
12A06		PROTO-CUNEIFORM SIGN SUKUD JOINING SUKUD FORM B	12A32		PROTO-CUNEIFORM SIGN SHESH-A
12A07		PROTO-CUNEIFORM SIGN SUKUD GUNU-A	12A33		PROTO-CUNEIFORM SIGN SHESH-B
12A08		PROTO-CUNEIFORM SIGN SUKUD GUNU-B	12A34		PROTO-CUNEIFORM SIGN SHIDIM
12A09		PROTO-CUNEIFORM SIGN SUKUD GUNU-C	12A35		PROTO-CUNEIFORM SIGN SHIM-A
12A0A		PROTO-CUNEIFORM SIGN SUKUD GUNU-D	12A36		PROTO-CUNEIFORM SIGN SHIM-B
12A0B		PROTO-CUNEIFORM SIGN SUM-A	12A37		PROTO-CUNEIFORM SIGN SHIR-A
12A0C		PROTO-CUNEIFORM SIGN SUM-B	12A38		PROTO-CUNEIFORM SIGN SHIR-B
12A0D		PROTO-CUNEIFORM SIGN SUMASH	12A39		PROTO-CUNEIFORM SIGN SHITA-A1
12A0E		PROTO-CUNEIFORM SIGN SUR	12A3A		PROTO-CUNEIFORM SIGN SHITA-A1 TIMES KAK-A
12A0F		PROTO-CUNEIFORM SIGN SHA	12A3B		PROTO-CUNEIFORM SIGN SHITA-A1 TIMES SHU
12A10		PROTO-CUNEIFORM SIGN SHA TIMES HI GUNU-A FORM A	12A3C		PROTO-CUNEIFORM SIGN SHITA-A2
12A11		PROTO-CUNEIFORM SIGN SHA TIMES HI GUNU-A FORM B	12A3D		PROTO-CUNEIFORM SIGN SHITA-A3
			12A3E		PROTO-CUNEIFORM SIGN SHITA-B1
			12A3F		PROTO-CUNEIFORM SIGN SHITA-B2
			12A40		PROTO-CUNEIFORM SIGN SHITA-B2 GUNU TIMES HI GUNU-A
			12A41		PROTO-CUNEIFORM SIGN SHITA-B3
			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	12A9G		PROTO-CUNEIFORM SIGN U4 TIMES FOURTEEN N57
12A72		PROTO-CUNEIFORM SIGN TUM-C	12A9H		PROTO-CUNEIFORM SIGN U4 TIMES FIFTEEN N57
12A73		PROTO-CUNEIFORM SIGN TUM-D	12A9I		PROTO-CUNEIFORM SIGN U4 TIMES SIXTEEN N57
12A74		PROTO-CUNEIFORM SIGN TUN3-A	12A9J		PROTO-CUNEIFORM SIGN U4 TIMES SEVENTEEN N57
12A75		PROTO-CUNEIFORM SIGN TUN3-B	12A9K		PROTO-CUNEIFORM SIGN U4 TIMES EIGHTEEN N57
12A76		PROTO-CUNEIFORM SIGN TUN3-C	12A9L		PROTO-CUNEIFORM SIGN U4 TIMES NINETEEN N57
12A77		PROTO-CUNEIFORM SIGN TUN3-D	12A9M		PROTO-CUNEIFORM SIGN U4 TIMES TWENTY N57
12A78		PROTO-CUNEIFORM SIGN TUR	12A9N		PROTO-CUNEIFORM SIGN U4 TIMES TWENTY-ONE N57
12A79			12A9O		PROTO-CUNEIFORM SIGN U4 TIMES TWENTY-TWO N57
12A80			12A9P		PROTO-CUNEIFORM SIGN U4 TIMES TWENTY-THREE N57
12A81			12A9Q		PROTO-CUNEIFORM SIGN U4 TIMES TWENTY-FOUR N57
12A82			12A9R		PROTO-CUNEIFORM SIGN U4 TIMES TWENTY-FIVE N57
12A83			12A9S		PROTO-CUNEIFORM SIGN U4 TIMES TWENTY-SIX N57
12A84			12A9T		PROTO-CUNEIFORM SIGN U4 TIMES TWENTY-SEVEN N57
12A85			12A9U		PROTO-CUNEIFORM SIGN U4 TIMES TWENTY-EIGHT N57
12A86			12A9V		PROTO-CUNEIFORM SIGN U4 TIMES TWENTY-NINE N57
12A87			12A9W		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY N57
12A88			12A9X		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-ONE N57
12A89			12A9Y		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-TWO N57
12A90			12A9Z		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-THREE N57
12A91			12A9AA		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-FOUR N57
12A92			12A9AB		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-FIVE N57
12A93			12A9AC		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-SIX N57
12A94			12A9AD		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-SEVEN N57
12A95			12A9AE		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-EIGHT N57
12A96			12A9AF		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-NINE N57
12A97			12A9AG		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-TWO N57
12A98			12A9AH		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-THREE N57
12A99		TENU	12A9AI		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-FOUR N57
12A9A			12A9AJ		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-FIVE N57
12A9B			12A9AK		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-SIX N57
12A9C			12A9AL		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-SEVEN N57
12A9D			12A9AM		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-EIGHT N57
12A9E			12A9AN		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-NINE N57
12A9F			12A9AO		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-TWO N57
12A9G			12A9AP		PROTO-CUNEIFORM SIGN U4 TIMES THIRTY-THREE N57

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

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

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

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

References

- [Dam] P. Damerow. *The Proto-Cuneiform Texts from the Erlenmeyer Collection*. MSVO 3. forthcoming. Berlin.
- [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: Vorderasiatische Museum II*. ATU 6. Berlin, 1994.
- [Eng94] R. Englund. *Archaic Administrative Texts from Uruk: The Early Campaigns*. ATU 5. Berlin, 1994.
- [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.
- [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.
- [LL95] R. Labat and F. M. Labat. *Manuel D'épigraphie Akkadienne Signes Syllabaire Idéogrammes*. 5th. Paris, 1995.

- [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.
- [P222640] AO 17551. Paris, France: Musée du Louvre.
CDLI: P222640.
- [Tin24] S. Tinney, ed. *PCSL: The Proto-Cuneiform Sign List*. 2024-.
<https://build-oracc.museum.upenn.edu/pcsl>.
- [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 signiary. The corpus instances are represented by distributional summaries; alignment with ZATU is provided in the main character box, and the published per-volume sign lists are represented in their own columns.

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

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.

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	
584x	IV: 34p/17u; III: 370p/183u	o0980000	ZATU001		1 F207A							
A×AB ₂		UNP										
3x III: 3u	o0980001			F2400								
A×AN		EDI										
o0980002				F24F2								
A×EN~a	12691		PC25		12691				12691			
1x IV: 1p; III: 1p	o0980003	ZATU002										
A×ŠUBUR	12692		PC25		12692				12692			
1x IV: 1p; III: 1p	o0980004	ZATU003										
A×ZATU672	12693		PC25		12693				12693			
1x IV: 1p; III: 1p	o0980005	ZATU005										
A×1(N14)	12694		PC25		12694							
1x IV: 1p	o0980006	ZATU004										
A@g		EDI										
o0980007				F24CC								
A@t		UNP										
1x III: 1u	o0980008			F2401								
A ₂	12695		PC25		12695		12695		12695			
2x IV: 1p; III: 2p	o0980009	ZATU006										
AB~a	12696		PC25		1 F207B				12696		12696	
450x	IV: 34p/6u; III: 337p/93u	o0980010	ZATU007		12696				12696		12696	
AB~a×A@t	12697		PC25		12697				12697			
2x IV: 1p/1u; III: 2p	o0980011				1 F207C							
AB~a×AŠ ₂	12698		PC25		12698							
2x III: 2p	o0980012	ZATU009			1 F207D							
AB~a×KU ₆ ~a		ZERO										
o0980013	ZATU389			F2402								
AB~a×SUKKAL		UNP										
3x III: 3u	o0980014			F2403								
AB~a×(ŠE~a&ŠE~a)	12699		PC25		12699							
3x III: 3p	o0980015			1 F207E								

AB~a×X	ZERO	F2404					
	o0980016						
AB~a×ZATU659	PC25	1269A	1269A	1269A			
1269A							
3× III: 3p	o0980017	ZATU010					
AB~a×1(N01)	ZERO	F2405					
	o0980018						
AB~a×1(N04)	PC25	1269B	1269B				1269B
1269B							
3× III: 3p	o0980019						
AB~a@g	PC25	1269C	1269C	1269C			
1269C							
3× IV: 1u; III: 1p/1u	o0980020	ZATU011					
AB~b	PC25	1269D	1269D	1269D	1269D	1269D	1269D
1269D							
90× IV: 1p/2u; III: 54p/32u	o0980021	ZATU007					
AB~b×A	UNP	F2406					
	1× III: 1u	o0980022	ZATU008				
AB~b×KU ₆ ~a	UNP	F2407					
	1× III: 1u	o0980023					
AB~b×ŠA ₃ ~a1	UNP	F2408					
	1× III: 1u	o0980024					
AB ₂	PC25	1269E	1269E	1269E	1269E	1269E	1269E
1269E							
		1 F207F	1 F207F	1 F207F	1 F207F	1 F207F	1 F207F
350×							
IV: 83p/7u; III: 254p/51u	o0980025	ZATU012	2 F2080				
AB ₂ ×2(N14)	PC25	1269F	1 F2081	1 F2081	1 F2081	1 F2081	
1269F							
2× IV: 2p; III: 2p	o0980026	ZATU013	1269F	1269F	1269F	1269F	
AB ₂ @g	UNP	F2525					
	1×	o0980027					
ABGAL	PC25-sq						
51× III: 42p/9u	o0980028	ZATU015	1 F2083	1 F2083	1 F2083	1 F2083	
ABRIG	PC25-sq						
2× III: 2p	o0980029	ZATU016	1 F2084	1 F2084	1 F2084	1 F2084	
ABZU	PC25	126A0	1 F2227	1 F2227	1 F2227	1 F2227	126A0
126A0							
5× III: 5p	o0980030	ZATU017	126A0				

AD~a 126A1		PC25							
51× III: 37p/14u	o0980031	ZATU018		126A1		126A1		126A1	126A1
AD~b 126A2		PC25							
3× IV: 1p; III: 2p	o0980032	ZATU018		126A2		126A2			
AD~c 126A3		PC25							
9× IV: 1p; III: 6p/2u	o0980033	ZATU018		126A3			126A3		
ADAB 126A4		PC25							
44× IV: 15p/4u; III: 22p/9u	o0980034	ZATU019		126A4		126A4	126A4		126A4
ADDA 126A5		PC25							
1× III: 1p	o0980035	ZATU020		126A5		126A5			
ADDA@t		ZERO							
	o0980036			F2409					
AGAR₂ 126A6		PC25							
18× III: 16p/2u	o0980037	ZATU022		126A6		126A6		126A6	
AK~a 126A7		PC25							
56× IV: 8p/1u; III: 39p/12u	o0980038	ZATU023		126A7		126A7	126A7	126A7	126A7
AK~b 126A8		PC25							
2× IV: 2p	o0980039	ZATU023		126A8					
AL 126A9		PC25							
132× IV: 11p/3u; III: 87p/39u	o0980040	ZATU024		126A9		126A9	126A9	126A9	126A9
ALAN~a 126AA		PC25							
8× IV: 2u; III: 7p/1u	o0980041	ZATU025		126AA					
ALAN~b 126AB		PC25							
7× III: 4p/3u	o0980042	ZATU025		126AB		126AB			
ALAN~c 126AC		PC25							
8× IV: 1u; III: 5p/2u	o0980043	ZATU025		126AC					
ALAN~d		UNP							
1× IV: 1u	o0980044	ZATU025		F240A					
ALAN~e 126AD		PC25							
2× III: 2p	o0980045	ZATU025		126AD				126AD	
ALAN~f		EDI							
	o0980046			F24CD					
ALIM 126AE		PC25							
12× III: 10p/2u	o0980047	ZATU026		126AE		126AE (a)			

AM~a 126AF		PC25						
2x III: 2p	o0980048	ZATU027	126AF					
AM~b 126B0		PC25			126B0			
2x III: 2p	o0980049	ZATU027	126B0		126B0			
AMA~a 126B1		PC25			126B1			
105x IV: 19p/1u; III: 71p/20u	o0980050	ZATU028	1 F2087		126B1		126B1	
AMA~axE ₂ ~a 126B2		PC25			126B2		126B2	
4x III: 3p/1u	o0980051		126B2				126B2	
AMA~b 126B3		PC25			126B3		126B3	
6x IV: 1p/1u; III: 4p	o0980052	ZATU028	126B3		126B3			
AMAR 126B4		PC25			1 F2088		126B4	
164x IV: 23p/8u; III: 105p/29u	o0980053	ZATU029	126B4		2 F2089		126B4	
AMAR.1(N02)		PC25-sq			F222B			
2x III: 2p	o0980054		F222B				F222B	
AMAR×TAR~c 126B5		PC25			126B5		126B5	
AKA: AMAR×TAR CDLI: AMAR×TAR 1x IV: 1p; III: 1p	o0980055	ZATU030	126B5			126B5 (o)		
AMAR&AMAR 126B6		PC25			126B6			
1x IV: 1p	o0980056		126B6					
AMAR@g 126B6		PC25-bk			F240B			
CDLI: AMAR@g 1x IV: 1p	o0980057		F240B					
AN 126B7		PC25			1 F208A		126B7	
992x IV: 106p/20u; III: 630p/274u	o0980058	ZATU031	2 F208B		126B7		126B7	
ANŠE~a 126B8		PC25			126B7		126B7	
9x IV: 3p/2u; III: 4p/1u	o0980059	ZATU032	126B8					
ANŠE~b 126B9		PC25			126B9		126B9 (a)	
32x IV: 1p/1u; III: 21p/9u	o0980060	ZATU032	126B9		126B9	126B9 (a)	126B9	126B9

ANŠE~c 126BA		PC25						
4x IV: 1p; III: 3p/1u o0980061 ZATU032			126BA			126BA		
ANŠE~e 126BB		PC25						
9x IV: 3p; III: 4p/2u o0980062 ZATU032			126BB					
ANŠE~f 126BC		PC25						
5x III: 5p o0980063 ZATU032			126BC					126BC
ANZU ₂	EDI							
			F222C					
APIN~a 126BD		PC25						
AKA: APIN 230x IV: 20p/5u; III: 154p/65u o0980065 ZATU033			126BD		126BD	126BD	126BD	126BD
APIN~a.APIN~a	PC25-sq							
1x IV: 1p o0980066			F222D					
APIN~b 126BE		PC25						
13x III: 9p/3u o0980067 ZATU033			126BE		126BE		126BE	
APIN~c 126BF		PC25						
2x IV: 1p; III: 1p o0980068 ZATU033			126BF		126BF			
ARARMA _{2~a} 126C0		PC25						
12x III: 7p/5u o0980069 ZATU034			1 F208C					
			126C0					
ARARMA _{2~b}	PC25-sq							
2x IV: 1p; III: 1p o0980070 ZATU034			F2274					
ARATTA	PC25-sq							
1x III: 1p o0980071 ZATU035			F22A1					
ASAL ₂	EDI							
			F24CE					
ASAR 126C1		PC25						
19x III: 17p/2u o0980073 ZATU036			126C1		126C1			
AŠ ₂	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					

BA 126C4		PC25							
779x IV: 112p/17u; III: 516p/202u	o0980077	ZATU040							
BAD 126C5		PC25							
104x IV: 19p/3u; III: 74p/23u	o0980078	ZATU041							
BAD&BAD 126C6		PC25							
42x IV: 1p/2u; III: 30p/10u	o0980079	ZATU042							
BAD ₃ ~a 126C7		PC25							
2x III: 2p	o0980080	ZATU044							
BAD ₃ ~b1 126C8		PC25							
4x III: 1p/3u	o0980081	ZATU044							
BAD ₃ ~b2 126C9		PC25							
AKA: EZEM~b×AN 4x III: 3p/1u	o0980082	ZATU044							
BAHAR ₂ ~a 126CA		PC25							
22x IV: 1p/2u; III: 11p/6u	o0980083	ZATU045							
BAHAR ₂ ~b 126CB		PC25							
27x IV: 1p/1u; III: 18p/8u	o0980084	ZATU045							
BAHAR ₂ ~c 126CC		PC25							
19x III: 14p/5u	o0980085	ZATU045							
BALA~a 126CD		PC25							
19x III: 18p/1u	o0980086	ZATU046							
BALA~b 126CE		PC25							
2x IV: 1p; III: 2p	o0980087	ZATU046							
BALAG 126CF		PC25							
20x IV: 7p/1u; III: 14p/3u	o0980088	ZATU047							
BAN~a 126D0		PC25							
17x IV: 8p/1u; III: 10p/2u	o0980089	ZATU048							

BAN~b 126D1		PC25 o0980090 ZATU048						
16x IV: 1u; III: 2p/13u								
BANŠUR~a 126D2		PC25 o0980091 ZATU049						
1x IV: 1p; III: 1p								
BANŠUR~a@t 126D3		PC25 o0980092						
1x IV: 1p								
BANŠUR~b1 126D4		PC25 o0980093 ZATU049						
3x III: 2p/1u								
BANŠUR~b2 126D5		PC25 o0980094 ZATU049						
1x III: 1p								
BANSUR~c 126D6		PC25 o0980095 ZATU049						
2x III: 2p								
BAPPIR~a 126D7		PC25 o0980096 ZATU050						
4x III: 3p/1u								
BAPPIR~b 126D8		PC25 o0980097 ZATU050						
3x III: 3p								
BAPPIR~c 126D9		PC25 o0980098 ZATU050						
1x III: 1p								
BAPPIR~d 126DA		PC25 o0980099 ZATU050						
6x III: 6p								
BAPPIR~e 126DB		PC25 o0980100 ZATU050						
1x III: 1p								
BAPPIR~f 126DC		PC25 o0980101 ZATU050						
1x III: 1p								
BAR 126DD		PC25 o0980102 ZATU051						
426x IV: 27p/13u; III: 288p/113u								
BARxURI ₃ ~a		NOT o0980103						
BARxUŠ~a		NOT o0980104						
BARA ₂ ~a 126DE		PC25 o0980105 ZATU052						
75x IV: 14p/5u; III: 45p/13u			¹ F2093					
BARA ₂ ~b 126DF		PC25 o0980106 ZATU052						
4x IV: 4p; III: 1p			¹ F2094					

BARA₃ 126E0		PC25		126E0		126E0				
18x III: 15p/3u	o0980107	ZATU053								
BAU405 CDLI: UET ₂ .405		EDI		F24EF						
	o0980108									
BIR~a 126E1		PC25		126E1		126E1				
6x IV: 3p; III: 3p/1u	o0980109	ZATU054								
BIR~b 126E2		PC25		126E2				126E2		
1x IV: 1p; III: 1p	o0980110	ZATU054								
BIR~c 126E3		PC25		126E3		126E3				
1x IV: 1p; III: 1p	o0980111	ZATU054								
BIR₃~a 126E4		PC25		1 F2095				F2095		
18x IV: 1p; III: 15p/3u	o0980112	ZATU055		126E4						126E4
BIR₃~b 126E5		PC25		1 F2096				F2096		
7x IV: 3p; III: 4p/3u	o0980113	ZATU055		126E5						
BIR₃~c 126E6		PC25		126E6		126E6				
4x III: 4p	o0980114	ZATU055		1 F2097						F2097
BU-a 126E7		PC25		1 F2098		126E7		126E7		126E7
568x IV: 48p/6u; III: 390p/153u	o0980115	ZATU056		126E7						
((BU~a.DU ₆ ~a)&(BU~a.DU ₆ ~a))>UDU~a ZERO										
	o0980116			F2523						F2523
 BU~a+DU₆~a 126E8		PC25		126E8		126E8		126E8		126E8
AKA: BU~a.DU ₆ ~a				1 F2099		126E8		126E8		126E8
61x IV: 3p/1u; III: 47p/10u	o0980117	ZATU059								
 BU~a+KI 126E9		PC25		126E9						
1x III: 1p	o0980118									126E9
 BU~a+TU~b 		ZERO		F2526						
	o0980119									F2526
 BU~axA 126EA		PC25		126EA		126EA		126EA		126EA
2x IV: 1p; III: 2p	o0980120	ZATU057								
 BU~a×Giš@t 		UNP		F240D						
1x III: 1u	o0980121									
 BU~a×1(N58) 		UNP		F240E						
1x III: 1u	o0980122									

 (BU~a&BU~a).NA₂~a 126EB		PC25				F209A		126EB			
8× IV: 1p; III: 8p o0980123 ZATU058								126EB			
 (BU~a&BU~a).NA₂~b 		DEL									
 (BU~a&BU~a).X 		PC25-bk									
1× IV: 1p o0980124											
 (BU~a%BU~a).NA₂~a@n 126EC		PC25						126EC			
								126EC			
AKA: (BU~a&BU~a).NA ₂ ~a@n CDLI: (BU~a&BU~a).NA ₂ ~a@n 2× IV: 2p; III: 1p o0980125								126EC			
BU~b 126ED		PC25				126ED		126ED	126ED	126ED	126ED
14× IV: 2p; III: 12p/1u o0980126 ZATU056						126ED		126ED	126ED	126ED	126ED
 BU~b.NA₂~a 		UNP									
1× III: 1u o0980127											
BU₃ 126EE		PC25				126EE					126EE
AKA: BU ₃ ~a 30× III: 24p/6u o0980128 ZATU060						126EE					126EE
BULUG 126EF		PC25				126EF			126EF		
4× IV: 2p/1u; III: 2p o0980129 ZATU061						126EF			126EF		
BULUG₃ 126F0		PC25				126F0					
35× III: 30p/5u o0980130 ZATU062						126F0					
 BULUG₃.DU₆~a 		ZERO									
BUR~a 126F1		PC25				126F1					126F1
37× IV: 1u; III: 27p/9u o0980132 ZATU063						126F1					126F1
BUR~b 126F2		PC25				126F2			126F2		
8× IV: 1p; III: 7p o0980133 ZATU063						126F2			126F2		
BUR~c 126F3		PC25				126F3					
1× IV: 1p; III: 1p o0980134 ZATU063						126F3					
BUR~d 126F4		PC25				126F4					
1× III: 1p o0980135 ZATU063						126F4					
BUR₂ 126F5		PC25				126F5					
52× IV: 2p/2u; III: 37p/13u o0980136 ZATU064						126F5					

DA~a 126F6		PC25							
243x IV: 23p/5u; III: 151p/74u	o0980137	ZATU065		126F6	126F6	126F6	126F6	126F6	126F6
DA~a.LIŠ		UNP							
1x III: 1u	o0980138			F2230					
DA~b 126F7		PC25							
6x IV: 5p; III: 2p	o0980139	ZATU065		126F7	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		F24CF					
DAH 126FA		PC25							
26x IV: 1p; III: 22p/4u	o0980143	ZATU066		126FA	126FA		126FA	126FA	126FA
DAM 126FB		PC25							
14x III: 14p	o0980144	ZATU067		126FB		126FB			
DANNA 126FC		PC25							
9x IV: 1p; III: 3p/5u	o0980145	ZATU068		126FC					
DAR~a 126FD		PC25							
25x III: 14p/11u	o0980146	ZATU069		126FD		126FD		126FD	126FD
DAR~a~A 126FE		PC25							
1x III: 1p	o0980147			126FE					
DAR~b 126FF		PC25							
27x III: 12p/15u	o0980148	ZATU069		126FF				126FF	
DAR~c 12700		PC25							
6x III: 4p/2u	o0980149	ZATU069		12700		12700			
DAR~d		UNP							
1x III: 1u	o0980150	ZATU069		F2410					
DARA ₃ ~a 12701		PC25							
4x IV: 3p; III: 3p/1u	o0980151	ZATU070		12701			12701		
DARA ₃ ~b 12702		PC25							
1x IV: 1p; III: 1p	o0980152	ZATU070		12702			12702		

DARA ₃ ~c 12703		PC25						
7× IV: 1p; III: 5p/2u o0980153 ZATU070			12703		12703			
DARA ₃ ~c×KAR ₂ 12704		PC25						
3× III: 2p/1u o0980154 ZATU071			12704		12704			F209E
DARA ₃ ~c×(KAR ₂ , ŠE~a) 12705		PC25				12705		
1× IV: 1p; III: 1p o0980155 ZATU072			12705		12705			
DARA ₃ ~d 12706		PC25				12706		
1× III: 1p o0980156 ZATU070			12706		12706			
DARA ₃ ~d×(KAR ₂ , ŠE~a) 12707		PC25						
1× III: 1p o0980157 ZATU072			12707		12707			
DARA ₃ ~d×KAR ₂ -b 12708		PC25				12708		
AKA: DARA ₃ ~d×KAR ₂ DARA ₃ ~d×KAR ₂ CDL: DARA ₃ ~d×KAR ₂ 8× IV: 2p; III: 5p/3u o0980158 ZATU071			1 F209F			12708		F209F
DARA ₄ ~a1 12709		PC25				12709		
31× IV: 2p; III: 23p/4u o0980159 ZATU073			12709		12709			12709
DARA ₄ ~a2 1270A		PC25				1270A		
3× IV: 3p; III: 2p o0980160 ZATU073			1270A		1270A			
DARA ₄ ~a3 1270B		PC25				1270B		
2× IV: 1p/1u o0980161 ZATU073			1270B		1270B			
DARA ₄ ~b 1270C		PC25				1270C		
6× IV: 3p/1u; III: 2p/1u o0980162 ZATU073			1270C		1270C			1270C
DARA ₄ ~c 1270D		PC25						
1× III: 1p o0980163 ZATU073			1270D					1270D
DARA ₄ ~c1 1270E		PC25				1270E		
19× IV: 1p; III: 9p/9u o0980164 ZATU073			1270E		1270E			1270E
DARA ₄ ~c2 1270F		PC25				1270F		
27× IV: 3p; III: 17p/7u o0980165 ZATU073			1270F					

DARA ₄ ~c3 12710		PC25						
5× III: 4p/1u	o0980166	ZATU073	12710					
DARA ₄ ~c4 12711		PC25						
11× III: 7p/4u	o0980167	ZATU073	12711					
DARA ₄ ~c5 12712		PC25						
1× III: 1p	o0980168	ZATU073	12712					
DARA ₄ ~d 12713		PC25						
1× III: 1p	o0980169	ZATU073	12713					12713
DI 12714		PC25						
128× IV: 16p/3u; III: 86p/35u	o0980170	ZATU075	12714		12714	12714	12714	12714
DI@t 12715		PC25						
3× IV: 1p; III: 2p/1u	o0980171		12715		12715			
DIB 12716		PC25						
5× IV: 2p; III: 4p	o0980172	ZATU076	12716				12716	
12717		PC25						
34× IV: 1p; III: 26p/8u	o0980173	ZATU077	12717				F20A3	
DILMUN 12718		PC25						
56× IV: 5p; III: 33p/22u	o0980174	ZATU078	12718					
DIM~a×GU		EDI						
	o0980175							
DIM~a×X		EDI						
	o0980176							
DIM~b 12719		PC25						
4× IV: 2p; III: 4p	o0980177	ZATU078	12719				12719	
DIM~c 1271A		PC25						
21× IV: 2p; III: 17p/2u	o0980178	ZATU078	1271A		1271A			
DIN 1271B		PC25						
97× IV: 32p/13u; III: 47p/20u	o0980179	ZATU079	1271B		1271B	1271B	1271B	1271B

DIN×1(N58) 1271C		PC25									1271C
AKA: DIN+1(N57) 1x III: 1p		o0980180	PC25								
DIN@t 1271D		o0980181	PC25								
3x IV: 1p/1u; III: 1p/1u		ZATU080		1271D							
DU 1271E			PC25							1271E	
481x IV: 20p/10u; III: 304p/153u		o0980182	ZATU082	1271E		1271E	1271E	1271E	1271E		
DU×1(N58@t) 1271F			PC25							1271F	
AKA: DU×DIŠ CDL: DU×DIŠ 3x III: 3p		o0980183		1271F							
DU@g 12720			PC25							12720	
4x III: 1p/3u		o0980184		12720					12720		
DU ₆ ~a 12721			PC25	 ¹ F20A6	 12721	 ² F20A7	 ³ F20A8		(b) F20A8		
15x IV: 1p; III: 14p/1u		o0980185	ZATU083								
DU ₆ ~a×1(N58) 12722			PC25								
AKA: DU ₆ ~a×DIŠ CDL: DU ₆ ~a×DIŠ 1x III: 1p		o0980186		12722							
DU ₆ ~a@n			ZERO								
		o0980187		F2539							
DU ₆ ~b 12723			PC25								
31x IV: 1p; III: 27p/3u		o0980188	ZATU083	12723		12723	12723	12723			
DU ₆ ~c 12724			PC25								
1x IV: 1p; III: 1p		o0980189	ZATU083	12724		12724	12724				
DU ₇ 12725			PC25								
7x III: 4p/3u		o0980190	ZATU084	12725		12725	12725				
DU ₈ ~a 12726			PC25								
1x IV: 1p		o0980191	ZATU085	12726		12726					
DU ₈ ~b 12727			PC25						12727		
2x IV: 2p; III: 1p		o0980192	ZATU085		¹ F20A9				12727		

DU₈~c 12728		PC25 o0980193 ZATU085						
40× IV: 6p; III: 34p/5u			12728			12728	12728	
 DU₈~c×AB₂ 12729		PC25 o0980194						
1× III: 1p			12729					12729
 DU₈~c×AMAR 1272A		PC25 o0980195						
8× III: 8p			1272A					1272A
 DU₈~c×HI 1272B		PC25 o0980196						
3× IV: 1p; III: 1p			1272B			1272B		
 DU₈~c×UDU~a 1272C		PC25 o0980197						
8× III: 4p/4u			1272C			1272C		
 DU₈~c×X 		ZERO o0980198						
DU₈~c@g 1272D		PC25 o0980199 ZATU698						
AKA: DU ₈ @g~c 21× IV: 1u; III: 16p/4u			1272D					
DUB~a 1272E		PC25 o0980200 ZATU086						
155× IV: 5p/2u; III: 104p/45u			1272E		1272E	1272E	1272E	1272E
DUB~b 1272F		PC25 o0980201 ZATU086		 ¹ F20AB	 ² F20AC	 ³ F20AD	 ⁴ F20AE	 F20AB F20AC
69× IV: 36p/4u; III: 48p/8u			1272F	 1272F	 1272F	 F20AD	 F20AD	1272F
DUB~b@r		UNP o0980202						
1× IV: 1u			F252A					
DUB~c 12730		PC25 o0980203 ZATU086						
1× IV: 1p			12730					
DUB~d 12731		PC25 o0980204 ZATU086						
4× IV: 1p/1u; III: 2p			12731			12731		
DUB~e 12732		PC25 o0980205 ZATU086						
1× III: 1p			12732					
DUB~f 12733		PC25 o0980206 ZATU086						
4× III: 4p			12733					

DUB~h 12734		PC25								12734
1x III: 1p	o0980207	ZATU086								
(DUB@n~a×1(N58))~a 12735		PC25								
AKA: (DUB×DIŠ)~a CDLI: (DUB×DIŠ)~a 5x IV: 5p; III: 5p	o0980208	ZATU087								
(DUB@n~a×1(N58))~b 12736		PC25					12736		12736	
AKA: (DUB×DIŠ)~c CDLI: (DUB×DIŠ)~c 1x III: 1p	o0980209	ZATU087								
DUB@n~b×1(N58)~a 12737		PC25							12737	
AKA: (DUB×DIŠ)~b CDLI: (DUB×DIŠ)~b 1x IV: 1p; III: 1p	o0980210	ZATU087								
DUB ₂ 12738		PC25					12738			
2x III: 2p	o0980211									
DUG~a 12739		PC25					12739		12739	
252x IV: 30p/10u; III: 193p/30u	o0980212	ZATU088					12739		12739	
DUG~a×HI		EDI								
		o0980213								
DUG~a×KASKAL		UNP								
1x III: 1u	o0980214	ZATU103								
DUG~a×KU ₆ ~a 1273A		PC25								
1x III: 1p	o0980215	ZATU104								1273A
DUG~a×LAM~b		UNP								
1x III: 1u	o0980216	ZATU106								
DUG~a×NAGA~a 1273B		PC25								
1x III: 1p	o0980217	ZATU109								1273B
DUG~a×U ₂ ~a 1273C		PC25								
1x III: 1p	o0980218	ZATU122								1273C
DUG~a×U ₂ ~b 1273D		PC25								
2x IV: 1p; III: 1p/1u	o0980219	ZATU122								
DUG~a×X		EDI								
		o0980220								

DUG~a×1(N57) 1273E 9× IV: 1u; III: 8p		PC25 o0980221 ZATU091					
DUG~b 1273F 130× IV: 37p/12u; III: 79p/23u		PC25 o0980222 ZATU088	1 F20B1 		F20B1 		
DUG~b×AB ₂ 12740 2× IV: 1p; III: 2p		PC25 o0980223 ZATU089					
DUG~b×ANŠE~b 12741 5× III: 5p		PC25 o0980224 ZATU090					
DUG~b×ANŠE~d 12742 2× III: 2p		PC25 o0980225 ZATU090					
DUG~b×BALA~a 12743 10× III: 10p		PC25 o0980227 ZATU094					
DUG~b×BIR ₃ ~c 12744 2× III: 1p/1u		PC25 o0980228 ZATU095					
DUG~b×DIN 12745 18× IV: 1p/4u; III: 12p/1u		PC25 o0980229 ZATU096	1 F20B2 				
(DUG~b×DIN)@r 12746 AKA: DUG~b@r×DIN 1× IV: 1p		PC25 o0980230					
DUG~b×E~a 1× III: 1u		UNP o0980231					
DUG~b×GA~a 12747 2× III: 1p/1u		PC25 o0980232 ZATU097					
DUG~b×GA~b 12748 2× III: 2p		PC25 o0980233 ZATU097					
DUG~b×GEŠTU~a 12749 6× III: 5p/1u		PC25 o0980234 ZATU098	1 F20B3 				
DUG~b×GEŠTU~b 1274A 1× III: 1p		PC25 o0980235 ZATU098					
DUG~b×GI ₆ 1274B 3× III: 3p		PC25 o0980236 ZATU099					

DUG~b×GIŠ 1274C		PC25 ZATU100						
7× III: 6p/1u	o0980237							
DUG~b×HI 1274D		PC25 ZATU101						
9× IV: 2p/1u; III: 7p	o0980238		¹ F20B4 1274D					
DUG~b×HI@g~a 1274E		PC25 ZATU102						
7× IV: 7p; III: 7p	o0980239							
DUG~b×KASKAL 1274F		PC25 ZATU103						
10× III: 10p	o0980240							
DUG~b×KU ₆ ~a 12750		PC25 ZATU104						
2× III: 2p	o0980241							
DUG~b×KUR~a 12751		PC25 ZATU105						
3× III: 3p	o0980242							
DUG~b×(KUR~a.X)		PC25-bk ZATU105						
1× III: 1p	o0980243		F2415		F2415			
DUG~b×KUR~b 12752		PC25 ZATU105						
2× III: 1p/1u	o0980244							
DUG~b×KUR@g~a 12753		PC25 ZATU107						
4× III: 4p	o0980245							
DUG~b×LAM~a 12754		PC25 ZATU106						
4× III: 3p/1u	o0980246							
DUG~b×MAŠ 12755		PC25 ZATU108						
16× IV: 2p/2u; III: 13p/1u	o0980247		¹ F20B5 12755					
DUG~b×NAGA~a 12756		PC25 ZATU109						
9× III: 6p/3u	o0980248							
DUG~b×NAM ₂ 12757		PC25 ZATU109						
1× III: 1p	o0980249							
DUG~b×(NI~a@g.ZATU779)		UNP ZATU111						
1× III: 1u	o0980250		F2416					
DUG~b×SA~a 12758		PC25 ZATU110						
6× III: 5p/1u	o0980251							
DUG~b×(SA~a.GI) 12759		PC25 ZATU111						
4× III: 4p	o0980252				12759			
CDL: *DUG~b+SA~a+GI								

DUG~b×SI ₄ ~a 1275A 6× III: 6p		PC25 o0980253 ZATU112						
DUG~b×(SI ₄ ~a.X) 1275B 1× III: 1p		PC25-bk o0980254						
DUG~b×SIG ₂ ~a1 1275C 3× III: 3p		PC25 o0980255 ZATU113						
DUG~b×SIG ₂ ~a2 1275D 2× III: 2p		PC25 o0980256 ZATU113						
DUG~b×SIG ₇ 1275E 20× III: 19p/1u		PC25 o0980257 ZATU114						
DUG~b×SUHUR 1275F 1× III: 1p		PC25 o0980258 ZATU115						
DUG~b×SUKUD~d 1275G 1× III: 1u		UNP o0980259 ZATU116						
DUG~b×ŠAH ₂ ~a 1275H 4× III: 4p		PC25 o0980260 ZATU117						
DUG~b×ŠE~a 12760 18× IV: 5p; III: 16p		PC25 o0980261 ZATU118						
¹ DUG~b×(ŠE~a.NAM ₂) 12761 7× III: 7p		PC25 o0980262 ZATU119						
² DUG~b×TAK ₄ ~a 12762 5× III: 4p/1u		PC25 o0980263 ZATU120						
DUG~b×(TAK ₄ ~a.SA~a) 12763 2× III: 1p/1u		PC25 o0980264						
DUG~b×(TAK ₄ ~a.SAL) 12764 1× III: 1p		PC25 o0980265						
DUG~b×TI 12765 7× III: 7p		PC25 o0980266 ZATU121						
DUG~b×U ₂ ~a 12766 2× III: 1p/1u		PC25 o0980267 ZATU122						

DUG~b×U ₂ ~b 12767		PC25	 1 F20B8 2 F20B9 12767 3 F20BA	 F20BA				
2× III: 1p/1u o0980268 ZATU122								
DUG~b×(UDU~a×TAR~b) 12768		PC25						 12768
2× III: 2p o0980269								
DUG~b×UH ₃ ~a 12769		PC25						
3× III: 3p o0980270 ZATU123								
DUG~b×UH ₃ ~a@t 1276A		PC25						
1× III: 1p o0980271								
DUG~b×X		PC25-bk	 1 F20BC F20BB	 F20BB	 F20BB			
128× IV: 3p/3u; III: 110p/14u o0980272								
DUG~b×ZATU707~a		UNP						
1× III: 1u o0980273								
DUG~b×ZATU764 1276B		PC25						
2× III: 2p o0980274 ZATU124								
DUG~b×ZATU779 1276C		PC25						
4× III: 2p/2u o0980275								
DUG~b×ZATU780 1276D		PC25						
2× III: 2p o0980276								
DUG~b×ZATU781 1276E		PC25						
3× III: 3p o0980277								
DUG~b×(ZATU789.SA~a) 1276F		PC25						
1× III: 1p o0980278								
DUG~b×1(N57) 12770		PC25	 1 F20BD 12770	 12770	 F20BD			
10× IV: 5p/1u; III: 6p/1u o0980279 ZATU091								
DUG~b×(1(N57).KU ₃ ~a) 12771		PC25						
3× III: 3p o0980280 ZATU092								
DUG~b×3(N57)		UNP						
1× III: 1u o0980281								

DUG~b×1(N58) 12772		PC25 1× III: 1p o0980282		12772							12772		
(DUG~b&DUG~b)×1(N58) 12773		PC25		12773		12773							
AKA: DUG~b&(DUG~b×1(N58)) 1× IV: 1p o0980283													
DUG~c 12774		PC25 224× IV: 42p/20u; III: 138p/32u o0980284	 ZATU088	1 F20BE 12774		12774		F20BE 12774		12774		12774	
DUG~c×1(N57) 12775		PC25 69× IV: 18p/7u; III: 42p/6u o0980285	ZATU091	1 F20BF 2 F20C0 12775		12775		12775		12775			
DUG~c@t 12776		PC25 1× IV: 1p o0980286			12776		12776						
DUG~d 12777		PC25 4× III: 4p o0980287	ZATU088	12777 1 F20C1		12777			 F20C1 (e)				
DUGUD 12778		PC25 1× III: 1p o0980288	ZATU125		12778		12778						
DUR~a 12779		PC25 24× IV: 20p/1u; III: 11p/1u o0980289	ZATU126		12779		12779		12779		12779		
DUR~b 1277A		PC25 49× IV: 1p; III: 30p/15u o0980290	ZATU126	 1 F20C2	1277A 1 F20C2					1277A		F20C2	
DUR ₂ 1277B		PC25 75× IV: 4p; III: 55p/17u o0980291	ZATU127		1277B		1277B				1277B		1277B
E~a 1277C		PC25 86× IV: 1p; III: 79p/6u o0980292	ZATU128		1277C		1277C						
E~b 1277D		PC25 24× IV: 1u; III: 19p/4u o0980293	ZATU128		1277D		1277D						
E~c 1277E		PC25 1× IV: 1p; III: 1p o0980294	ZATU128		1277E		1277E						

E~d		UNP							
1x IV: 1u	o0980295	ZATU128	F241A						
E~e		EDI							
	o0980296		F24D0						
E ₂ ~a 1277F		PC25							
AKA: E ₂ 608x				1277F		1277F	1277F	1277F	1277F
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) 12780		PC25							
AKA: E ₂ ~a×1(N57)@t CDLI: E ₂ ~a×1(N57)@t 38x III: 38p	o0980300	ZATU131	12780						12780
E ₂ ~b 12781		PC25							
201x				12781		12781	12781	12781	12781
IV: 5p/1u; III: 105p/88u	o0980301	ZATU129							
E ₂ ~b.LIŠ		UNP							
1x III: 1u	o0980302		F2234						
E ₂ ~b×1(N58@t) 12782		PC25							
AKA: E ₂ ~b×1(N57)@t CDLI: E ₂ ~b×1(N57)@t 6x III: 5p/1u	o0980303	ZATU131	12782		12782				
E ₂ ~c 12783		PC25							
1x III: 1p	o0980304	ZATU129	12783						
E ₂ ~d 12784		PC25							
2x III: 2p	o0980305	ZATU129	12784						
E ₃ ~a		UNP							
2x IV: 1u; III: 1p/1u	o0980306	ZATU132	F2231						
E ₃ ~b 12785		PC25							
1x III: 1p	o0980307	ZATU132	12785						
EDIN 12786		PC25							
5x III: 5p	o0980308	ZATU133	12786		12786				
EN~a 12787		PC25							
AKA: EN 1784x			1 F20C3						
IV: 120p/47u; III: 1171p/487u	o0980309	ZATU134	2 F20C4						
			3 F20C5						
			12787				12787		

EN~b 12788		PC25	 12788	 F20C6	 F20C6			
79× IV: 63p/11u; III: 40p/4u	o0980310	ZATU134	1 F20C6					
EN~b@t 12789		PC25	 12789	 12789		 12789		
1× IV: 1p; III: 1p	o0980311							
EN~c 1278A		PC25	 1278A	 F20C7		 1278A	 1278A	
15× III: 15p	o0980312	ZATU134	1 F20C7					
EN~c&EN~c		UNP	 1278A	 1278A				
1× IV: 1u	o0980313			 F241C				
EN~e		UNP		 F241D				
1×	o0980314	ZATU134						
EN@g~a 1278B		PC25	 1278B			 1278B		
2× IV: 2p; III: 1p	o0980315	ZATU137						
EN@g~b 1278C		PC25	 1278C			 1278C		
11× IV: 9p/2u; III: 4p	o0980316	ZATU137						
EN ₂ 1278D		PC25	 1278D			 1278D	 1278D	
44× IV: 3p/1u; III: 22p/20u	o0980317	ZATU138						
EN ₂ .E ₂ ~a		PC25-sq	 F2237	 F2237				
4× III: 1p/3u	o0980318							
EN ₂ .E ₂ ~b		PC25-sq	 F2238	 F2238			 F2238	
AKA: EN ₂ ×E ₂ ~b 21× III: 7p/14u	o0980319							
ENDIB		PC25-sq	 F2236	 F2236	 F2236			
6× III: 6p	o0980320	ZATU139						
ENGIZ		PC25-sq	 F20C8	 1 F20C9	 F20C8	 F20C8	 F20C8	 F20C8
21× III: 20p/1u	o0980321	ZATU140		2 F20CA				
ENKUM		PC25-sq	 F20CB	 1 F20CC	 F20CB			
13× III: 9p/4u	o0980322	ZATU141						
ENLIL		ZERO	 F2235	 F2235	 F2235			
	o0980323	ZATU142						
ENSI		EDI	 F224E	 F224E				
	o0980324							

ENSI ₂		EDI						
	o0980325		F2257					
ERIM~a 1278E 218x IV: 45p/24u; III: 115p/59u		PC25						
	o0980326	ZATU143	1278E		1278E	1278E	1278E	1278E
ERIM~b1 1278F 1x IV: 1p		PC25						
	o0980327	ZATU143	1278F			1278F		
ERIM~b2 12790 2x IV: 1p; III: 1p		PC25						
	o0980328	ZATU143	12790		12790	12790		
ERIM ₂ 12791 148x IV: 29p/4u; III: 113p/18u		PC25-sq						
	o0980329	ZATU144	F2255		F2255			F2255
ERIN 12791 148x IV: 29p/4u; III: 113p/18u		PC25						
	o0980330	ZATU145	12791		12791	12791	12791	12791
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		
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		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		o0980339	PC25		12799							12799
EZEN~a×KI 1279A AKA: EZEN~a+KI 1x III: 1p		o0980340	PC25		1279A							
EZEN~a×LA~e o0980341		EDI			1 F20CF							
EZEN~a×NIM~b2 1279B 1x IV: 1p		o0980342	PC25		1279B							
EZEN~a×NIMGIR 1279C 2x IV: 1p; III: 1p/1u		o0980343	PC25		1279C			1279C				
EZEN~a×RAD~a 1279D 1x IV: 1p; III: 1p		o0980344	PC25		1279D			1279D				
EZEN~a×SAG 1x III: 1u		UNP			F241E							
EZEN~a×SU~a 1279E 8x III: 5p/3u		o0980346	PC25		1279E			1279E				
EZEN~a×(U ₂ -b.A) 1279F 5x IV: 1u; III: 1p/3u		o0980347	PC25		1279F							
EZEN~a×U ₄ 127A0 1x IV: 1p		o0980348	PC25		127A0							
EZEN~a×X 2x IV: 1p; III: 1u		PC25-bk			F241F							
EZEN~b 127A1 87x IV: 1p; III: 68p/18u		o0980350	PC25		127A1			127A1		127A1		127A1
EZEN~b×ŠE~a@t 127A2 23x III: 19p/4u		o0980351	PC25		127A2							
EZEN~b×6(N57) 127A3 1x III: 1p		o0980352	PC25		1 F20D0			127A3				

EZEN~b@t 127A4		PC25							
AKA: EZEM~c EZEN~c CDL: EZEN~b@t			127A4			127A4			
9x IV: 3p; III: 4p/3u o0980353 ZATU150									
EZEN~c		DEL							
			o0982242	ZATU150	F24D1				
EZINU~a 127A5		PC25							
12x IV: 1u; III: 5p/6u o0980354 ZATU158			127A5		127A5				127A5
EZINU~b 127A6		PC25							
1x III: 1p o0980355 ZATU158			127A6						
EZINU~c 127A7		PC25							
6x IV: 2u; III: 4p o0980356 ZATU158			127A7						
EZINU~d 127A8		PC25							
10x IV: 4p/1u; III: 8p/1u o0980357 ZATU158			127A8		127A8	127A8			
GA~a 127A9		PC25							
339x IV: 38p/15u; III: 216p/93u o0980358 ZATU159			1 F20D3						
			2 F20D4						
			3 F20D5						
			4 F20D6						
			127A9						
GA~a.ZATU753		PC25-sq							
85x IV: 1u; III: 63p/21u o0980359 ZATU161			1 F20D1						
			2 F20D2						
GA~aX		ZERO							
			o0980360	F24F7					
GA~b 127AA		PC25							
25x III: 25p o0980361 ZATU159			127AA		127AA	127AA			
GA~c 127AB		PC25							
4x III: 4p o0980362 ZATU159			127AB		127AB	127AB			
GA~c×KASKAL 127AC		PC25							
2x III: 2p o0980363			127AC						
GA~c×1(N14) 127AD		PC25							
1x III: 1p o0980364 ZATU160			127AD		127AD	127AD			

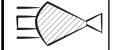
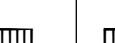
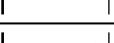
GA₂~a1 127AE		PC25							
111× IV: 11p/2u; III: 80p/18u	o0980365	ZATU162							
 GA₂~a1×A 127AF		PC25							
3× IV: 1p; III: 2p	o0980366								
 GA₂~a1×E₂~a 127B0		PC25							
AKA: GA₂~a1×E₂~a 1× III: 1p	o0980367								
 GA₂~a1×EN~a 		UNP							
4× III: 3u	o0980368								
 GA₂~a1×EN~b 127B1		PC25							
1× IV: 1p; III: 1p	o0980369								
 GA₂~a1×GEŠTU~a 127B2		PC25							
1× III: 1p	o0980370								
 GA₂~a1×GEŠTU~c3 127B3		PC25							
1× III: 1p	o0980371								
 GA₂~a1×GEŠTU~c5 127B4		PC25							
10× III: 10p	o0980372								
 GA₂~a1×GIR~a 127B5		PC25							
5× III: 5p	o0980373	ZATU167							
 GA₂~a1×(GIR~a.KU₆~a) 127B6		PC25							
1× III: 1p	o0980374								
 GA₂~a1×GIŠ@t 127B7		PC25							
1× IV: 1p; III: 1p	o0980375	ZATU168							
 GA₂~a1×GU₄ 		EDI							
	o0980376								
 GA₂~a1×HAL 127B8		PC25							
1× IV: 1p; III: 1p	o0980377								
 GA₂~a1×HI 127B9		PC25							
5× IV: 1p/2u; III: 3p	o0980378	ZATU170							
 GA₂~a1×(HI.SUHUR) 		UNP							
1× IV: 1u	o0980379	ZATU171							
 GA₂~a1×KU₃~a 127BA		PC25							
1× III: 1p	o0980380	ZATU172							
 GA₂~a1×KU₆~a 127BB		PC25							
13× IV: 3p/1u; III: 10p/1u	o0980381	ZATU173							

GA ₂ ~a1×(KU ₆ ~a+KU ₆ ~a) 127BC		PC25									127BC
CDLI: GA ₂ ~a1×(KU ₆ ~a.KU ₆ ~a) 1× III: 1p	o0980382	ZATU174									
GA ₂ ~a1×LAGAB~b 127BD		PC25									
1× IV: 1p	o0980383										
GA ₂ ~a1×MAŠ 127BE		PC25									
1× III: 1p	o0980384	ZATU176									
GA ₂ ~a1×NAGA~a 127BF		UNP									
1× III: 1u	o0980385	ZATU177	F2422								
GA ₂ ~a1×NIM~b1 AKA: GA ₂ ~a2×NIM~b1 CDLI: GA ₂ ~a2×NIM~b1 1× III: 1u		UNP									
			F2423								
GA ₂ ~a1×NUN~a 127C0		EDI									
1× III: 1p	o0980387		F24F9								
GA ₂ ~a1×PAD~b 127C1		PC25									
1× III: 1p	o0980388										
GA ₂ ~a1×PAP~a 127C2		PC25									
1× III: 1p	o0980389										
GA ₂ ~a1×SU~a 127C3		PC25									
1× III: 1p	o0980390										
GA ₂ ~a1×SUHURI 127C4		PC25									
5× IV: 4p; III: 4p	o0980391	ZATU179									
GA ₂ ~a1×SUKUD 127C5		PC25									
9× IV: 5p/2u; III: 5p/2u	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									
			F2424								
GA ₂ ~a1×((SUKUD+SUKUD)-b) AKA: GA ₂ ~a1×(SUKUD&SUKUD)-b CDLI: GA ₂ ~a1×((SUKUD&SUKUD)-b) 1× III: 1u		UNP									
			F2425								
GA ₂ ~a1×SUMAŠ 127C6		PC25									
1× IV: 1p; III: 1p	o0980395	ZATU181									
GA ₂ ~a1×ŠA 127C7		PC25									
1× III: 1p	o0980396										
GA ₂ ~a1×TI 127C8		PC25									
3× III: 3p	o0980397										

 GA₂~a1×U₄ 127C7 13× III: 9p/4u		o0980398	ZATU183	PC25	 127C7	 127C7	 127C7			
 GA₂~a1×X 14× IV: 4p; III: 12p/1u			o0980399	PC25-bk	 F20D7  1 F20D8	 F20D7	 F20D7	 F20D7	 F20D7	 F20D8
 GA₂~a1×1(N14) 127C8 3× IV: 2p; III: 3p		o0980400	ZATU182	PC25	 127C8	 127C8		 127C8		
 GA₂~a1×1(N57) 127C9 3× IV: 3p; III: 1p		o0980401	ZATU164	PC25	 127C9	 127C9		 127C9		
GA₂~a2 127CA 37× III: 13p/24u			o0980403	PC25	 127CA	 127CA				
 GA₂~a2×GU₄ 127CB 4× III: 3p/1u		o0980404		PC25	 127CB	 127CB				
 GA₂~a2×NI~a 127CC 1× IV: 1p		o0980405	ZATU178	PC25	 127CC	 127CC				
 GA₂~a2×NI~b 127CD 1× III: 1u		o0980406	ZATU178	UNP	 F2427	 F2427				
 GA₂~a2×SUHURI 127CE 1× IV: 1p		o0980407	ZATU179	PC25	 127CE	 127CE				
 GA₂~a2×ŠE₃ 127CF 3× III: 3p		o0980408		PC25	 127CF	 127CF				
<small>AKA: GA₂~a2×(GU₄,ŠE₃) CDLI: GA₂~a2×(GU₄,ŠE₃) </small>		o0980409	ZATU169	10× III: 9p/1u						
 GA₂~a2×X 1× III: 1p		o0980410		PC25-bk	 F2428	 F2428				
 GA₂~a2×3(N57) 1× III: 1u		o0980411		UNP	 F2542	 F2542				
GA₂~a3 127D0 1× III: 1p		o0980412	ZATU162	PC25	 127D0	 127D0	 127D0	 127D0		
 GA₂~a3×X 1× IV: 1p; III: 1p		o0980413		PC25-bk	 F2429	 F2429				
GA₂~a4 127D1 1× IV: 1p; III: 1p		o0980414	ZATU162	PC25	 127D1	 127D1		 127D1		
GA₂~b 127D2 18× IV: 9p/1u; III: 15p		o0980415	ZATU162	PC25	 127D2	 127D2	 127D2	 127D2		

GA ₂ ~b×DUB~a 127D3		PC25 o0980416 ZATU166	 127D3 F20D9		F20D9	 127D3			
11× IV: 1p/2u; III: 6p/3u									
GA ₂ ~b×DUB~b 127D4		PC25 o0980417 ZATU166	 127D4			 127D4			
1× IV: 1p; III: 1p									
GA ₂ ~b×KU ₃ ~a		UNP o0980418 ZATU172	 F242A						
1× III: 1u									
GA ₂ ~b×KU ₆ ~a 127D5		PC25 o0980419 ZATU173	 127D5						 127D5
1× III: 1p									
GA ₂ ~b×NUN~b		UNP o0980420	 F252E	 F252E					
1×									
GA ₂ ~b×ZATU659 127D6		PC25 o0980421	 127D6						
1× III: 1p									
GA ₂ ~c 127D7		PC25 o0980422 ZATU162	 127D7						
1× III: 1p									
GA'AR~a1 127D8		PC25 o0980423 ZATU184	 127D8	 127D8	 127D8	 127D8			
44× IV: 1u; III: 42p/1u									
GA'AR~a2 127D9		PC25 o0980424 ZATU184	 127D9	 127D9					
17× IV: 1p/1u; III: 11p/4u									
GA'AR~b1 127DA		PC25 o0980425 ZATU184	 127DA	 127DA	 127DA				
2× IV: 1p; III: 2p									
GA'AR~b2 127DB		PC25 o0980426 ZATU184	 127DB	 127DB					
3× IV: 2p; III: 1p									
GADA~a 127DC		PC25 o0980427 ZATU186	 127DC	 127DC	 127DC	 127DC	 127DC		
122× IV: 12p/11u; III: 70p/30u									
GADA~b		UNP o0980428 ZATU186	 F242B						
1× IV: 1u; III: 1p									
GADA~b@g 127DD		PC25 o0980429 ZATU187	 127DD						
8× IV: 2p/4u; III: 3p/1u									
GAL~a 127DE		PC25 o0980430 ZATU188	 127DE	 127DE	 127DE	 127DE	 127DE		
1236× IV: 54p/12u; III: 930p/261u									
GAL~b 127DF		PC25 o0980431 ZATU188	 127DF	 127DF					
11× IV: 3p/2u; III: 6p									

GALGA~a 127E0		PC25 o0980432 ZATU189						
12x III: 12p								
GALGA~b		UNP						
3x III: 3u	o0980433	ZATU189						
GAN~a 127E1		PC25 o0980434 ZATU190	1 F20DA 127E1					
50x IV: 3p; III: 39p/9u								
GAN~b 127E2		PC25 o0980435 ZATU190	1 F20DB 2 F20DC 3 F20DD 127E2					
40x IV: 6p/1u; III: 28p/8u								
GAN~c 127E3		PC25 o0980436 ZATU190	1 F20DE 127E3					
40x III: 24p/16u								
GAN~c×DIN 127E4		PC25 1x III: 1p o0980437			(b) 127E4			
GAN~c×HI 127E5		PC25 1x IV: 1p o0980438						
GAN~c×(HI.DIN) 127E6		PC25 2x IV: 2p o0980439 ZATU191						
GAN~c×KAŠ~c 127E7		PC25 2x III: 2p o0980440						
GAN~c×(KUR~a.A) 127E8		PC25 1x III: 1p o0980441						
GAN~c×LAGAB~b 127E9		PC25 2x IV: 1p; III: 2p o0980442 ZATU192						
GAN~c×NE~a		UNP						
3x III: 3u	o0980443	ZATU193						
GAN~c×SIG ₇ 127EA		PC25 1x III: 1p o0980444						
GAN~c×ŠE~a		UNP						
4x III: 4u	o0980445	ZATU194						
GAN~c×ŠE ₃ @t		UNP						
1x III: 1u	o0980446							

GAN~c×X	PC25-bk							
3× IV: 1p; III: 2p/1u	o0980447							
GAN~c×ZATU777	PC25							
127EB								
1× III: 1p	o0980448							
GAN~c×(4(N57).GAR)	PC25							
127EC								
1× III: 1p	o0980449							
GAN-d	EDI							
	o0980450							
GAN~d×GEŠTU~a	PC25							
127ED								
1× III: 1p	o0980451							
GAN~d×HI	EDI							
	o0980452							
GAN ₂	PC25							
127EE								
270× IV: 10p/2u; III: 190p/65u	o0980453	ZATU195						
GAR	PC25							
127EF								
373× IV: 44p/28u; III: 241p/73u	o0980454	ZATU196						
GAR@g~a	PC25							
127F0								
4× IV: 4p; III: 4p	o0980455	ZATU197						
GAR@g~b	PC25							
127F1								
3× III: 2p/1u	o0980456	ZATU197						
GAR@g~c	PC25							
127F2								
3× III: 2p/1u	o0980457	ZATU197						
GAR ₃	PC25							
127F3								
29× IV: 29p; III: 10p	o0980458	ZATU198						
GARA ₂ ~a	PC25							
127F4								
55× IV: 2u; III: 37p/16u	o0980459	ZATU199						
GARA ₂ ~b	UNP							
	o0980460	ZATU199						
2× III: 2u								
GAZI	PC25							
127F5								
15× III: 14p/1u	o0980461	ZATU200						
GEŠTIN~a	PC25							
127F6								
8× III: 6p/2u	o0980462	ZATU202						
GEŠTIN~c	EDI							
	o0980463							

GEŠTIN~c×X		EDI o0980464	F24FB					
GEŠTIN~d 127F7	1x III: 1p	PC25 o0980465 ZATU202	127F7					127F7
GEŠTIN~e 127F8	1x III: 1p	PC25 o0980466 ZATU202	127F8					127F8
GEŠTU~a 127F9	26x IV: 9p/2u; III: 13p/6u	PC25 o0980467 ZATU203	127F9 1 F20DF 2 F20E0	F20E0	127F9			
GEŠTU~a×ŠE~a@t 127FA	1x III: 1p	PC25 o0980468	127FA					
GEŠTU~b 127FB	85x IV: 27p/7u; III: 44p/24u	PC25 o0980469 ZATU203	127FB	127FB	127FB	127FB	127FB	127FB
GEŠTU~c3 127FC	9x IV: 2p/1u; III: 7p	PC25 o0980470 ZATU203	127FC F20E1	F20E1				
GEŠTU~c5 127FD	2x III: 2p	PC25 o0980471 ZATU203	127FD				127FD	
GI 127FE	667x IV: 48p/8u; III: 459p/182u	PC25 o0980472 ZATU204	1 F20E2 2 127FE	127FE	127FE	127FE	127FE	127FE
GIxA 127FF	AKA: GI+A 1x III: 1p	PC25 o0980473	127FF					127FF
GIxGIŠ@t 12800	1x III: 1p	PC25 o0980474 ZATU207	12800	12800	12800			
GIxKU~b1 12801	6x III: 6p	PC25 o0980475	12801	12801		12801		
GIxLAGAB~a 12802	3x IV: 2p; III: 1p/1u	PC25 o0980476 ZATU208	12802		12802			
GIxNAM ₂ 12803	2x IV: 1p/1u; III: 1p	PC25 o0980477 ZATU209	12803	12803	12803			
GIxSIG ₂ -d1 12804	2x IV: 2p; III: 2p	PC25 o0980478 ZATU210	12804	12804	12804			

$ GI \times \check{SE}_3 $ 12805 5x IV: 1p; III: 4p	 o0980479	PC25 12805	 12805	 12805				
$ GI \times X $ 1x IV: 1u		UNP F2432	 F2432					
$ GI \times 1(N14) $ 12806 1x IV: 1p; III: 1p	 o0980481	PC25 12806	 12806		 12806			
$ GI \times 1(N58@t) $ 12807 AKA: $ GI \times 1(N58)@t $ CDLI: $ GI \times 1(N58)@t $ 2x III: 2p	 o0980482	PC25 12807	 12807					
$ GI \& GI $ 12808 83x IV: 1p; III: 64p/19u	 o0980483	PC25 12808	 12808	 12808	 12808	 12808	 12808	
$ (GI \& GI) \times GI \check{S} @ t $ 12809 1x IV: 1p; III: 1p	 o0980484	PC25 12809	 12809					
$ (GI \& GI) \times \check{SE}_3 $ CDLI: $ (GI + & GI) \times \check{SE}_3 $ 2x III: 2u	 o0980485	UNP F2433	 F2433					
$ (GI \& GI) \times X $ o0980486		ZERO F2434	 F2434				 F2434	
$ GI \& GI \& GI $ 1280A 2x IV: 1p; III: 2p	 o0980487	PC25 1280A	 1280A					
$GI @ t$ 1280B 1x IV: 1p; III: 1p	 o0980488	PC25 1280B	 1280B					
$GI_4 \sim a$ 1280C 31x IV: 1p; III: 21p/10u	 o0980489	PC25 ZATU212	 1280C	 1280C	 1280C	 1280C	 1280C	
$ GI_4 \sim a \times A $ 1280D 1x III: 1p	 o0980490	PC25 1280D	 1280D					
$ GI_4 \sim a \& GI_4 \sim a $ 1x III: 1u	 o0980491	UNP F2435	 F2435					
$GI_4 \sim b$ 1280E 8x IV: 6p/1u; III: 8p	 o0980492	PC25 1280E	 1280E		 1280E			
$ GI_4 \sim b \& GI_4 \sim b $ 1280F 1x IV: 1p	 o0980493	PC25 1280F	 1280F					

GI₆ 12810		PC25	 1 F20E3 12810	 12810	 12810	 F20E3 12810	 12810	 12810
AKA: GI ₆ ~a 129x IV: 15p/1u; III: 86p/38u	o0980494	ZATU213						
GIBIL 12811		PC25	 12811			 12811	 12811	 12811
98x IV: 2p; III: 81p/17u	o0980495	ZATU214						
GIBIL@t		UNP		 F2436				
1x III: 1u	o0980496							
GIBIL₆		PC25-sq	 F20E4 1 F20E5	 F20E5				
2x III: 2p	o0980497	ZATU215						
GIG		EDI	 F223D	 F223D				
	o0980498							
GIL		EDI	 F24D4	 F24D4				
	o0980499							
GIR~a 12812		PC25	 12812	 12812	 12812			
22x IV: 1p; III: 14p/6u	o0980500	ZATU216						
 GIR~a.KU₆~a 		PC25-sq	 F223E	 F223E				
1x III: 1p	o0980501							
GIR~b 12813		PC25	 1 F20E6 12813	 F20E6	 F20E6	 F20E6		
16x IV: 2p; III: 12p/4u	o0980502	ZATU216						
 GIR~b.GIR~b 		PC25-sq	 F223F	 F223F	 F223F			
4x III: 4p	o0980503							
GIR~c 12814		PC25	 12814	 12814	 12814			
3x III: 3p	o0980504	ZATU216						
GIR~d		UNP	 F2437	 F2437				
1x IV: 1u	o0980505	ZATU216						
GIR₂~a 12815		PC25	 12815	 12815	 12815	 12815		
71x IV: 5p/2u; III: 59p/6u	o0980506	ZATU218						
GIR₂~b		ZERO	 F2438	 F2438				
	o0980507	ZATU218						
GIR₃~a 12816		PC25	 12816	 12816	 12816	 12816		
23x IV: 15p/1u; III: 17p/2u	o0980508	ZATU219						

GIR ₃ ~a×ŠE~b 12817		PC25						
1x IV: 1p	o0980509	ZATU220		12817				
GIR ₃ -b 12818		PC25						
1x IV: 1p	o0980510	ZATU219		12818				
GIR ₃ ~c 12819		PC25						
112x IV: 5p/1u; III: 59p/47u	o0980511	ZATU219		12819		12819		12819
GIR ₃ ~c×KAR ₂ -b AKA: GIR ₃ ~c×KAR ₂ CDL: GIR ₃ ~c×KAR ₂ 3x III: 3u	o0980512	UNP		F2439				
GIR ₃ ~c×ŠE ₃ 1281A		PC25		1281A		1281A		
2x III: 2p	o0980513			1281A		1281A		
GIR ₃ @g-a 1281B		PC25		1281B		1281B		
4x IV: 3p; III: 2p	o0980514	ZATU221		1281B		1281B		
GIR ₃ @g-b 1281C		PC25		1281C				1281C
76x IV: 1p; III: 68p/7u	o0980515	ZATU221		1281C				1281C
GIR ₃ @g-c 1281D		PC25		1281D				1281D
AKA: GIR ₃ @g 11x IV: 1p; III: 4p/6u	o0980516	ZATU221		1281D				1281D
GIR ₄	o0980517	EDI		F24D5				
GISAL~a 1281E		PC25		1281E		1281E		
1x IV: 1p; III: 1p	o0980518	ZATU222		1281E		1281E		
GISAL~b 1281F		PC25		1281F		1281F		
2x IV: 2p; III: 2p	o0980519	ZATU222		1281F		1281F		
GIŠ 12820		PC25		12820		12820		12820
405x IV: 8p/4u; III: 362p/36u	o0980520	ZATU223		12820		12820		12820
GIŠ.TE	o0980521	ZATU226		F2242				F2242
(GIŠ×(DIN.DIN))~a 12821		PC25		12821		12821		
4x III: 4p	o0980522	ZATU224		12821		12821		
(GIŠ×(DIN.DIN))~b 12822		PC25		12822				
1x IV: 1p	o0980523	ZATU224		12822				

 (GIŠ×(DIN.DIN))~c 12823 1x III: 1p		PC25 o0980524 ZATU224	 12823	 12823			
 (GIŠ×ŠU₂)~a 12824 AKA: GIŠ×ŠU₂~a CDLI: GIŠ×ŠU₂~a 42x IV: 1p; III: 29p/12u		PC25 o0980525 ZATU225	 12824	 12824	 12824	 12824	 12824
 (GIŠ×ŠU₂)~b 12825 AKA: GIŠ×ŠU₂~b CDLI: GIŠ×ŠU₂~b 16x III: 16p		PC25 o0980526 ZATU225	 12825	 12825			
GIŠ~v CDLI: GIŠ~x		EDI o0980527	 F24D6				
GIŠ@t 12826 37x IV: 8p/1u; III: 30p/2u		PC25 o0980528 ZATU227	 12826	 12826	 12826	 12826	
 GIŠ@t.E₂~a o0980529		EDI	 F2243				
GIŠ₃~a 12827 14x III: 11p/2u		PC25 o0980530 ZATU228	 12827				
 GIŠ₃~a&GIŠ₃~a 12828 3x III: 2p/1u	 	PC25 o0980531 ZATU228	 12828	 12828			
GIŠ₃~b 12829 54x III: 18p/35u		PC25 o0980532 ZATU228	 12829	 12829		 12829	
GIŠGAL 1282A 10x III: 9p/1u		PC25 o0980533 ZATU229	 F20E7  1282A	 1282A			
GIŠIMMAR~a1 1282B 6x IV: 3p/1u; III: 4p	 	PC25 o0980534 ZATU230	 1282B	 1282B		 1282B	
GIŠIMMAR~a2 1282C 9x IV: 1p; III: 5p/1u	 	PC25 o0980535 ZATU230	 1282C	 1282C		 1282C	
GIŠIMMAR~a3 1282D 2x III: 1p/1u	 	PC25 o0980536 ZATU230	 1282D  1 F20E8	 1282D  1 F20E8			 F20E8

GIŠIMMAR~b1 1282E		PC25	 1 F20E9 2 F20EA 1282E	 1282E		 F20E9		 F20E9		 F20E9
45× IV: 3p; III: 37p/4u	o0980537	ZATU230								
GIŠIMMAR~b2 1282F		PC25	 1282F							
1× IV: 1p	o0980538	ZATU230								
GIŠIMMAR~b3 12830		PC25	 12830			 12830				
2× IV: 1p; III: 1p	o0980539	ZATU230								
GIZZAL~v		UNP								
CDLI: GIZZAL~x										
1× III: 1u	o0980540	ZATU231	 F223C							
GU 12831		PC25	 12831		 12831	 12831	 12831	 12831	 12831	 12831
AKA: GU~a 101× IV: 2p/2u; III: 56p/43u	o0980541	ZATU232								
GU₂ 12832		PC25	 12832		 12832	 12832				
2× III: 2p	o0980542	ZATU233								
GU₄ 12833		PC25	 12833	 12833	 12833	 12833	 12833	 12833	 12833	 12833
201× IV: 52p/4u; III: 151p/37u	o0980543	ZATU234								
 GU₄.ZATU755~b 		PC25-sq								
AKA: GU ₄ .ZATU755~a CDLI: GU ₄ .ZATU755~a			 F2244	 F2244						
1× IV: 1p; III: 1p	o0980544									
 GU₄×1(N58) 		ZERO	 F2540				 F2540			
CDLI: *GU ₄ +1N58										
	o0982249									
GU₄@g 12834		PC25	 12834	 12834	 12834			 12834	 F20EC	
5× III: 3p/2u	o0980546			 12834						
GU₇ 12835		PC25	 12835	 12835	 12835			 12835	 12835	
314× IV: 6p/4u; III: 250p/58u	o0980547	ZATU235	 12835	 12835	 12835			 12835	 12835	
GUB₃~a 12836		PC25	 12836	 12836	 12836	 12836				
11× IV: 1p/4u; III: 4p/3u	o0980548	ZATU236								
GUB₃~b 12837		PC25	 12837	 12837	 12837	 12837				
2× III: 1p/1u	o0980549	ZATU236								
GUB₃~c 12838		PC25	 12838	 12838	 12838					
3× IV: 1p; III: 2p	o0980550	ZATU236								

GUB ₃ ~d 12839		PC25	12839 F20EE					F20EE
1× IV: 1p; III: 1p o0980551 ZATU236								
GUG ₂ 1283A		PC25	1 F20EF 1283A 2 F20FO	1 F20EF 1283A 2 F20FO	(a) F20FO	(a) 1283A	(a) F20FO	(a) 1283A
AKA: GUG ₂ ~a 190× IV: 36p/5u; III: 116p/36u o0980552 ZATU237								
GUG ₂ *SILA ₃ ~a 1283B		PC25	1283B	1283B				
1× IV: 1p o0980553 ZATU238								
GUG ₂ *ŠITA~a1		UNP						
1× III: 1u o0980554			F24FC					
GUG ₂ *TUR 1283C		PC25	1283C	1283C				
1× IV: 1p o0980555 ZATU239								
GUG ₂ @t		ZERO						
			o0980556	F243A				
GUUKKAL~a 1283D		PC25	1283D	1283D		1283D		
28× IV: 27p; III: 27p o0980557 ZATU240								
GUUKKAL~a.HI@g~a		PC25-sq						
2× IV: 2p; III: 2p o0980558 ZATU241			F2245			F2245		
GUUKKAL~b 1283E		PC25	1283E	1283E		1283E		
2× IV: 2p o0980559 ZATU240								
GUUKKAL~c 1283F		PC25	1283F	1283F	1283F			
9× III: 6p/1u o0980560 ZATU240								
GUUKKAL~d 12840		PC25	12840	12840		12840		
1× IV: 1p; III: 1p o0980561 ZATU240								
GUL 12841		PC25	12841	12841	12841	12841	12841	12841
28× IV: 4p; III: 21p/3u o0980562 ZATU242								
GUM~a 12842		PC25	12842			12842		
16× IV: 14p/1u; III: 13p o0980563 ZATU243								
GUM~b 12843		PC25	12843 1 F20F1	12843 1 F20F1	F20F1	12843 1 F20F1	F20F1	12843
41× IV: 3p/1u; III: 29p/10u o0980564 ZATU243								
GUM~b@n 12844		PC25	12844 1 F20F2	12844 1 F20F2	12844			
1× III: 1p o0980565 ZATU244								

GUN₃~a 12845		PC25						
13× IV: 1p; III: 8p/5u o0980566 ZATU245			12845			12845		
GUN₃~b 12846		PC25						
10× IV: 1u; III: 6p/3u o0980567 ZATU245			12846		12846		12846	
GUR 12847		PC25						
2× III: 2p o0980568 ZATU246			12847		12847			
GURUŠ~a 12848		PC25	 1 F20F3		 F20F4	 F20F3	 F20F3	 F20F3
64× IV: 23p/2u; III: 45p/15u o0980569 ZATU247			12848	 2 F20F4		12848		
 GURUŠ~a×2(N14) 12849		PC25						
4× IV: 2p/2u; III: 2p o0980570 ZATU248			12849		12849	12849		
GURUŠ~b 1284A		PC25						
4× IV: 4p; III: 1p o0980571 ZATU247			1284A			1284A		
 GURUŠ~b×2(N14) 1284B		PC25						
2× IV: 1p/1u; III: 1p o0980572 ZATU248			1284B			1284B		
 GURUŠ~c×2(N14) 1284C		PC25						
1× III: 1p o0980573 ZATU248			1284C					1284C
GURUŠDA 1284D		PC25			 1284D (a)	 1284D (a)	 1284D (a)	
AKA: GURUŠDA~a 80× IV: 35p/3u; III: 60p/8u o0980574 ZATU249			1284D		1284D	1284D	1284D	1284D
HAL 1284E		PC25						
90× IV: 2p/2u; III: 68p/18u o0980575 ZATU250			1284E		1284E		1284E	
HALUB 1284F		PC25						
11× III: 11p o0980576 ZATU251			1284F		1284F			
HAŠHUR 12850		PC25						
112× IV: 42p/9u; III: 64p/14u o0980577 ZATU252			12850		12850	12850	12850	12850
 HAŠHUR×MA 12851		PC25						
3× IV: 2p; III: 1p o0980578 ZATU253			12851		12851			
HI 12852		PC25						
AKA: HI~a 349× IV: 13p/4u; III: 230p/105u o0980579 ZATU254			12852		12852	12852	12852	12852

HI.SUHUR	PC25-sq		1 F20F6	2 F20F7	1 F20F5				
7× IV: 2u; III: 2p/3u o0980580 ZATU256									
HI×LAGAB~a	PC25-sq								
3× III: 3p o0980581			F2246				F2246		
HI×ŠE ₃ @t	EDI								
o0980582			F24FE						
HI×ZATU707~a	UNP								
1× IV: 1u o0980583 ZATU257			F243B						
HI×1(N01@f)	EDI								
CDLI: HI×1(N01)F o0980584			F24FD						
HI×1(N57)	PC25					(b)			
12853			12853	12853	12853				
12× IV: 1p; III: 10p/2u o0980585									
(HI×1(N57)).(HI×1(N57))	PC25-sq								
CDLI: (HI×1(N57))&(HI+1(N57)) 1× III: 1p o0980586			F20F8						
			1 F20F9						
HI×1(N57@t)	PC25								
12854			12854	12854	12854				
AKA: HI×1(N57)@t CDLI: HI×1(N57)@t 2× III: 2p o0980587 ZATU255									
HI×1(N58)	UNP								
1× IV: 1u o0980588			F243C						
HI~b	UNP								
1× o0980589 ZATU254			F252F						
HI@g~a	PC25								
12855			12855	12855	12855				
AKA: HI@g HI~a@g 176× IV: 9p; III: 140p/33u o0980590 ZATU258									
HI@g~b	PC25								
12856			12856	12856	12856				
12× IV: 2p; III: 8p/2u o0980591 ZATU258									
HI@g~c	PC25								
12857			12857	12857					
1× III: 1p o0980592 ZATU258									
HUB ₂	EDI								
			F24D7						
I	PC25								
12858			12858	12858	12858				
43× IV: 1p; III: 24p/19u o0980594 ZATU259									

IB~a 12859		PC25	 12859 1 F20FA 2 F20FB					
393x IV: 45p/9u; III: 248p/110u	o0980595	ZATU260						
IB~a@n 1285A		PC25						
CDLI: IB~a@n 1x III: 1p	o0980596							
IB~b 1285B		PC25						
9x IV: 7p; III: 5p	o0980597	ZATU260						
IB~c 1285C		PC25						
5x III: 5p	o0980598	ZATU260						
IDIGNA 1285D		PC25	 1 F20FC 	 1285D	 1285D	 1285D		
57x IV: 10p; III: 42p/11u	o0980599	ZATU261						
IG~a 1285E		PC25						
2x III: 2p	o0980600							
IG~b 1285F		PC25						
2x III: 1p/1u	o0980601							
IGI		EDI						
		o0980602						
IL 12860		PC25						
10x III: 8p/2u	o0980603	ZATU262						
ILDUM~a		PC25-sq						
1x IV: 1p	o0980604	ZATU263						
ILDUM~b		PC25-sq						
4x III: 4p	o0980605	ZATU263						
IM~a 12861		PC25						
97x III: 65p/32u	o0980606	ZATU264						
IM~a@g		EDI						
		o0980607						
IM~b 12862		PC25						
13x III: 11p/2u	o0980608	ZATU264						
IN~b 12863		PC25	 1 F20FD	 1 F20FD	 12863	 12863	 12863	
29x IV: 2p/1u; III: 23p/5u	o0980609	ZATU265						

IN~d 12864		PC25						
1x III: 1p	o0980610	ZATU266	12864					
IR~a 12865		PC25			12865	12865	12865	
47x IV: 2p; III: 43p/3u	o0980611	ZATU267						
IR~a.GA ₂ ~a1		PC25-sq						
1x III: 1p	o0980612		F2247					
IR~b 12866		PC25			12866	12866		
2x III: 2p	o0980613	ZATU267						
IR~c 12867		PC25			12867		12867	
1x IV: 1p; III: 1p	o0980614	ZATU267						
IR~d 12868		PC25			12868			
1x IV: 1p	o0980615	ZATU267						
IR ₁₁		PC25-sq			1 F20FF			
9x III: 5p/4u	o0980616	ZATU268			F20FE			
IRHAN		PC25-bk						
1x III: 1p	o0980617	ZATU269	F243D					
IŠ~a 12869		PC25			1 F2100			
					12869			
					2 F2101			
					3 F2102			
26x IV: 3p; III: 22p/4u	o0980618	ZATU270			12869	F2100		
IŠ~b 1286A		PC25			1286A			
					1 F2103			
					2 F2104			
					3 F2105			
					4 F2106			
					5 F2107			
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	
97x IV: 5p/1u; III: 52p/43u	o0980621	ZATU271						

KA~a.ŠE~a		PC25-sq		 F2108  1 F2109						
1x III: 1p	o0980622	ZATU274	PC25	 1286D	 1286D	 1286D				
KA~a×SAR~a										
1286D			PC25	 1286D	 1286D	 1286D				
1x III: 1p	o0980623	ZATU273	PC25	 1286E	 1286E					
KA ₂ ~a										
1286E			PC25	 1286E	 1286E					
13x IV: 2p; III: 10p/2u	o0980624	ZATU275	PC25	 1286F	 1286F					
KA ₂ ~b										
1286F			PC25	 1286F	 1286F					
6x III: 4p/2u	o0980625	ZATU275	UNP	 F243E	 F243E					
KA ₂ ~c										
1x IV: 1u	o0980626	ZATU275	EDI	 o0980627	 F24DA					
KA ₂ ~d										
12870			PC25	 12870	 12870	 12870	 12870 (o)	 12870 (o)	 12870 (o)	
AKA: KA ₂ ×LAM CDLI: KA ₂ ×LAM 20x IV: 2p; III: 18p/1u	o0980628	ZATU276	UNP	 1 F210A						
KAB										
12871			PC25	 12871	 12871	 12871	 12871	 12871	 12871	 12871
AKA: TUKU 146x IV: 36p/9u; III: 90p/30u	o0980629	ZATU277	UNP	 F243F						
KAB×1(N58)										
AKA: TUKU+DIŠ 3x IV: 1u; III: 2u	o0980630	ZATU278	UNP	 F243F	 F243F					
KAD ₄ ~a										
12872			PC25	 12872	 12872	 12872				
9x III: 9p	o0980631	ZATU279	PC25	 12873	 12873	 12873				
KAD ₄ ~b										
12873			PC25	 12873	 12873	 12873				
2x III: 2p	o0980632	ZATU279	UNP	 F2440	 F2440					
KAD ₄ ~c1										
1x IV: 1u	o0980633	ZATU279	UNP	 F2441	 F2441					
KAD ₄ ~c2										
1x IV: 1u	o0980634	ZATU279	UNP	 F2441	 F2441					
KAK~a										
12874			PC25	 12874	 12874	 12874	 12874	 12874	 12874	
51x IV: 4p; III: 37p/11u	o0980635	ZATU280	PC25-sq	 F2248	 F2248	 F2248				
KAK~a.GA ₂ ~a1										
3x III: 3p	o0980636		PC25-sq	 F2248	 F2248	 F2248				

KAK~b 12875		PC25						
1x IV: 1p; III: 1p	o0980637	ZATU280	12875			12875		
KAL~a 12876		PC25						
5x III: 5p	o0980638	ZATU281	12876		12876			
KAL~b1 12877		PC25						
2x III: 2p	o0980639	ZATU281	12877		12877			
F210B								
KAL~b2 12878		PC25						
15x III: 8p/7u	o0980640	ZATU281	12878		12878			
KALAM~a 12879		PC25						
29x IV: 2p/1u; III: 18p/9u	o0980641	ZATU282	12879			12879	12879	12879
KALAM~b 1287A		PC25						
54x IV: 3u; III: 31p/20u	o0980642	ZATU282	1287A				1287A	1287A
KALAM~c 1287B		PC25						
1x III: 1p	o0980643	ZATU282	1287B					
KALAM~d 1287C		PC25						
1x III: 1p	o0980644	ZATU282	1287C					
KALAM~e 1287D		PC25						
1x III: 1p	o0980645	ZATU282	1287D					
KALAM~f 1287E		PC25						
1x III: 1p	o0980646	ZATU282	1287E					
KALAM~g 1287F		PC25						
6x III: 6p	o0980647	ZATU282	1287F					1287F
KALAM~h 12880		PC25						
3x III: 2p	o0980648	ZATU282	12880					12880
KALAM~h2 12881		PC25						
1x III: 1p	o0980649	ZATU282	12881					12881
KAR		PC25-sq						
7x IV: 2u; III: 5p/1u	o0980650	ZATU283	F2272		F2272			
KAR~a 12882		PC25						
63x IV: 1p/1u; III: 51p/10u	o0980651	ZATU284	12882		12882			12882
KAR~b 12883		PC25						
11x IV: 1p; III: 8p/2u	o0980652	ZATU284	12883		12883			

KASKAL 12884		PC25 o0980653 ZATU285						
58× IV: 6p/1u; III: 31p/22u			12884		12884	12884	12884	12884
KASKAL@g		UNP o0980654						
CDLI: KASKAL@g 1× III: 1u			F2442					
KAŠ~a 12885		PC25 o0980655 ZATU286						
122× IV: 15p/4u; III: 97p/9u			1 F210C 12885		12885	12885	12885	12885
KAŠ~b 12886		PC25 o0980656 ZATU286						
126× IV: 32p/7u; III: 90p/21u			1 F210D 12886		12886	F210D 12886	12886	12886
KAŠ~b×ŠE~a@t 12887		PC25 o0980657 ZATU288						
AKA: KAŠ~b×ŠE~a CDLI: KAŠ~b×ŠE~a 2× IV: 2p			12887					
KAŠ~b@t		ZERO o0980658						
CDLI: KAŠ~b@t			F2443					
KAŠ~c 12888		PC25 o0980659 ZATU287						
150× IV: 25p/11u; III: 47p/67u			12888		12888		12888	12888
KAŠ~d 12889		PC25 o0980660 ZATU286						
19× III: 19p			12889					F210E 1 F210E
KEŠ ₂		EDI o0980661						
AKA: KEŠ ₂			F24DB					
KI 1288A		PC25 o0980662 ZATU289						
AKA: KI~a 553× IV: 7p/5u; III: 327p/214u			1288A		1288A	1288A	1288A	1288A
KI@n 1288B		PC25 o0980663						
4× III: 2p/2u			1288B				1288B	
KI@nxDUB~a 1288C		PC25 o0980664 ZATU567						
AKA: KI@nxDUB~a 1× III: 1p			1288C					
KIB 1288D		PC25 o0980665 ZATU290						
11× IV: 1p/1u; III: 7p/2u			1288D		1288D			
KIB@g 1288E		PC25 o0980666						
1× III: 1p			1288E					

KID~a 1288F		PC25		1288F		1288F		1288F	
18× III: 15p/3u	o0980667	ZATU291							
KID~b 12890		PC25		12890		12890		12890	12890
73× IV: 1p; III: 55p/17u	o0980668	ZATU291							
KID~c 12891		PC25		12891			12891		
5× IV: 1p; III: 4p	o0980669	ZATU291							
KID~d 12892		PC25		12892				12892	
1× IV: 1p; III: 1p	o0980670	ZATU291							
KID~e 12893		PC25		12893					
3× III: 3p	o0980671	ZATU291							12893
KIN 12894		PC25		12894		12894			
3× III: 3p	o0980672	ZATU292							
KIN₂~a 12895		PC25		12895				12895	
1× IV: 1p; III: 1p	o0980673	ZATU293							
KIN₂~b 12896		PC25		12896					
1× III: 1p	o0980674	ZATU293							12896
KIN₂~c 12897		PC25		12897		12897			
13× III: 13p	o0980675	ZATU293							
KIN₂~d 12898		PC25		12898		12898			
3× III: 3p	o0980676	ZATU293							
KIN₂~e 12899		PC25		12899				F210F	
1× IV: 1p; III: 1p	o0980677	ZATU293			1 F210F				
KINGAL		PC25-sq		1 F2111		F2110		F2111	
44× IV: 3p; III: 33p/10u	o0980678	ZATU294							
KIR₁₁		PC25-sq							
22× III: 7p/15u	o0980679								
KISAL~a1 1289A		PC25		1289A		1289A			
15× IV: 13p; III: 6p/1u	o0980680	ZATU295							
KISAL~a2		UNP							
1× IV: 1u	o0980681	ZATU295							
KISAL~b1 1289B		PC25		1289B		1289B		1289B	
222× IV: 30p/2u; III: 171p/39u	o0980682	ZATU295							1289B

KISAL~b2 1289C 7x III: 7p		PC25 o0980683 ZATU295		1289C		1289C			
KISAL~b2@t 1289D CDL: KISAL~b2@t 2x III: 1p/1u		PC25 o0980684		1289D					
KISAL~b3 1289E 2x III: 2p		PC25 o0980685 ZATU295		1289E		1289E			
KISIM~a 1289F 62x IV: 1p; III: 56p/5u		PC25 o0980686 ZATU296		1289F		1289F		1289F	
KISIM~b 128A0 23x III: 23p		PC25 o0980687 ZATU296		128A0					
KISIM~c 128A1 1x IV: 1p; III: 1p		PC25 o0980688 ZATU296		128A1				128A1	
KIŠ 128A2 174x IV: 3p; III: 96p/36u		PC25 o0980689 ZATU297		1 F2115				128A2	
				2 F2116				128A2	
KIŠIK~a 128A3 29x III: 19p/10u		PC25 o0980690 ZATU298		128A3		128A3		128A3	
KIŠIK~b 128A4 3x III: 3p		PC25 o0980691 ZATU298		128A4					
KITI 128A5 26x III: 12p/14u		PC25 o0980692 ZATU299		1 F2117				F2118	
				2 F2118					
KU~a 128A6 4x III: 4p		PC25 o0980693 ZATU300		128A6		128A6			
KU~a@t		EDI o0980694		F24DC					

KU~b1 128A7	75x IV: 1u; III: 35p/39u	o0980695	ZATU300	PC25	128A7	128A7					128A7	128A7
KU~b2 128A8	27x III: 26p/1u	o0980696	ZATU300	PC25	128A8	128A8						
KU ₃ ~a 128A9	262x IV: 40p/1u; III: 179p/49u	o0980697	ZATU301	PC25	128A9 1F2119	128A9	128A9 1F2119 (b)	128A9	128A9			
KU ₃ ~c 128AA	2x III: 1p/1u	o0980698	ZATU301	PC25	128AA	128AA						
KU ₆ ~a 128AB	385x IV: 40p/15u; III: 273p/84u	o0980699	ZATU302	PC25	128AB	128AB	128AB	128AB	128AB			
KU ₆ ~a.1(N02)				PC25-sq	F224A	F224A						
3x III: 3p	o0980700											
KU ₆ ~a+GIŠ				ZERO	F2249	F2249						
o0980701												
KU ₆ ~a+KU ₆ ~a 128AC	10x IV: 1p/1u; III: 5p/3u	o0980702	ZATU303	PC25	128AC	128AC	128AC					
KU ₆ ~a@s				UNP	F2445	F2445						
1x III: 1u	o0980703	ZATU446										
KU ₆ ~c 128AD	1x III: 1p	o0980704	ZATU302	PC25	128AD	128AD						
KU ₆ ~d 128AE	2x IV: 1u; III: 2p	o0980705	ZATU217	PC25	128AE	128AE						
KUN				EDI	F24DD	F24DD						
KUR~a 128AF	361x IV: 40p/7u; III: 231p/97u	o0980707	ZATU304	PC25	128AF	128AF	128AF	128AF	128AF			
KUR~a.E ₂ ~a				PC25-sq	F224B	F224B						
13x III: 11p/2u	o0980708	ZATU130										
KUR~a.NUNUZ~a1				ZERO	F224C	F224C						
o0980709												

KUR~b 128B0		PC25						
6x IV: 3p/2u; III: 4p o0980710 ZATU304								
KUR~b.E ₂ ~a		UNP						
1x IV: 1u; III: 1p o0980711 ZATU130		F224D						
KUR~c 128B1		PC25						
1x III: 1p o0980712 ZATU304		128B1						
KUR~d		UNP						
1x IV: 1u o0980713 ZATU304		F2446						
KUR@g~a 128B2		PC25						
CDL: KUR@g~a			128B2					
9x IV: 3p/2u; III: 6p o0980714 ZATU329								
KUR@g~b 128B3		PC25						
CDL: KUR@g~b			128B3					
1x IV: 1p; III: 1p o0980715 ZATU329								
KUŠU ₂ ~a 128B4		PC25						
4x IV: 4p; III: 2p o0980716 ZATU305		128B4						
KUŠU ₂ ~b 128B5		PC25						
7x IV: 3p/2u; III: 2p/1u o0980717 ZATU305		128B5						
KUŠU ₂ ~c 128B6		PC25						
3x III: 2p/1u o0980718 ZATU305		128B6						
KUŠU ₂ ~d 128B7		PC25						
1x III: 1p o0980719 ZATU305		128B7						
KUŠU ₂ ~e 128B8		PC25						
1x IV: 1p o0980720 ZATU305		128B8						
KUŠU ₂ ~f 128B9		PC25						
1x III: 1p o0980721 ZATU305		128B9						
LA~b 128BA		PC25						
AKA: LA 3x IV: 1p; III: 3p o0980722 ZATU306		128BA						
LA~c		UNP						
1x III: 1u o0980723 ZATU306		F2447						
LA~d 128BB		PC25						
1x IV: 1p; III: 1p o0980724 ZATU306		128BB						
LA~e		EDI						
		o0980725	F24DE					

LA₂ 128BC 91× IV: 2p; III: 53p/36u		PC25 o0980726 ZATU307		128BC		128BC		128BC		128BC		128BC
LAGAB~a 128BD 52× IV: 9p/1u; III: 20p/24u		PC25 o0980727 ZATU308	 128BD F211B		F211B		128BD				128BD	
LAGAB~a×BA 1× III: 1u		UNP o0980728										
LAGAB~a×BIR ₃ ~b 2× III: 2u		UNP o0980729										
LAGAB~a×DU ₆ ~a 128BE AKA: LAGAB~a×DU ₆ ~b CDLI: LAGAB~a×DU ₆ ~b 1× IV: 1p		PC25 o0980730 ZATU310	 128BE					128BE				
LAGAB~a×KAK~a 1× III: 1u		UNP o0980731										
LAGAB~a×KU ₆ ~a 128BF 1× III: 1p		PC25 o0980732 ZATU313	 128BF									
LAGAB~a×(KU ₆ ~a+KU ₆ ~a) 128C0 1× III: 1p		PC25 o0980733	 128C0							128C0		
LAGAB~a×KUŠU ₂ ~a@t 128C1 AKA: LAGAB~a×KUŠU ₂ ~b CDLI: LAGAB~a×KUŠU ₂ ~b 3× IV: 2p/1u; III: 2p		PC25 o0980734 ZATU314	 128C1									
LAGAB~a×LA ₂ ~a 1×		UNP o0980735	 F2521									
LAGAB~a×LAGAB~a 1× III: 1u		UNP o0980736										
LAGAB~a×ME~a 128C2 2× IV: 2p; III: 1p		PC25 o0980737 ZATU315	 128C2 F211C		 F211C							
LAGAB~a×NI~a 1× III: 1u		UNP o0980738	 F2520									
LAGAB~a×NUN~b 128C3 2× IV: 1p/1u; III: 1p		PC25 o0980739 ZATU316	 128C3	 128C3				128C3				
LAGAB~a×PA~a 128C4 5× IV: 2p; III: 3p/1u		PC25 o0980740 ZATU317						128C4				

LAGAB~a×SI		UNP						
3× III: 3u	o0980741		F244C					
LAGAB~a×SIG ₇		PC25						
128C5			128C5					
1× III: 1p	o0980742							
LAGAB~a×SU~a		PC25						
128C6			128C6					
1× III: 1p	o0980743							
LAGAB~a×ŠA		PC25						
128C7			128C7					
			1 F211D					
			2 F211E					
10× III: 10p	o0980744	ZATU318					F211E	
LAGAB~a×ŠITA~a1		PC25						
128C8			128C8					
20× III: 19p/1u	o0980745	ZATU319	1 F211F				128C8	
LAGAB~a×TI		PC25						
128C9			128C9					
1× III: 1p	o0980746		1 F2120					
LAGAB~a×U ₄		PC25						
128CA			128CA					
1× III: 1p	o0980747							128CA
LAGAB~a×UB		PC25						
128CB			128CB					
1× IV: 1p	o0980748							
LAGAB~a×X		PC25-bk						
			F2121					
3× IV: 1p; III: 2p	o0980749		1 F2122					
					F2122			
LAGAB~a×ZATU753		PC25						
128CC			128CC					
2× IV: 1p; III: 1p	o0980750	ZATU321	1 F2123					
					F2123			
LAGAB~a×2(N14)		PC25						
128CD			128CD					
1× IV: 1p; III: 1p	o0980751	ZATU320						
				128CD				
LAGAB~a×1(N58)		PC25						
128CE			128CE					
1× III: 1p	o0980752							128CE
LAGAB~b		PC25						
128CF			128CF					
149× IV: 5p/2u; III: 107p/33u	o0980753	ZATU308					128CF	
					128CF			
							128CF	
LAGAB~b.TE		PC25-sq						
10× IV: 1p; III: 9p	o0980754		128CF					

LAGAB~b×BANŠUR~a	UNP						
1× IV: 1u	o0980755	ZATU309	F244D				
LAGAB~b×GA'AR~a1	UNP						
1× IV: 1u	o0980756	ZATU311	F244E				
LAGAB~b×HI	PC25						
128D0			128D0				
1× IV: 1p; III: 1p	o0980757	ZATU312					
LAGAB~b×(HI×1(N04))	UNP						
AKA: LAGAB~b×(HI×N04)			F251F				
1× o0980758							
LAGAB~b×KUR~e	PC25						
128D1			128D1				
1× IV: 1p	o0980759	ZATU175					
LAGAB~b×PA~a	PC25						
128D2			128D2				
1× III: 1p	o0980760	ZATU317					
LAGAB~b×SI	EDI						
			F2501				
LAGAB~b×SUH ₃	UNP						
1× III: 1u	o0980762		F244F				
LAGAB~b×ŠITA~c	EDI						
			F2500				
LAGAB~b×U ₄	PC25						
128D3			128D3				
2× III: 2p	o0980764						
LAGAB~b×x	EDI						
			F2502				
LAGAB~b×1(N01)	EDI						
			F24FF				
LAGAB~b&LAGAB~b	PC25						
128D4			128D4		128D4		
AKA: LAGAB~b+LAGAB~b							
LAGAB~b×LAGAB~b							
CDLI: LAGAB~b×LAGAB~b							
4× III: 3p/1u	o0980767						
LAGAR~a	PC25						
128D5			128D5		128D5		
61× IV: 16p/4u;							
III: 42p/9u	o0980768	ZATU323					
LAGAR~a@r	PC25						
128D6			128D6				
1× III: 1p	o0980769						
LAGAR~b1	PC25						
128D7			128D7		128D7		
5× IV: 4p; III: 5p	o0980770	ZATU323					
LAGAR~b2	PC25						
128D8			128D8		128D8		
3× IV: 3p	o0980771	ZATU323					
LAGAR~c	PC25						
128D9			128D9		128D9		
4× IV: 3p; III: 3p	o0980772	ZATU323					

LAHTAN ₂		PC25-sq						
9x III: 7p/2u	o0980773	ZATU324	F2266	F2266				
LAK025		EDI						
	o0980774		F24DF					
LAK050		EDI						
	o0980775		F24E0					
LAK172		EDI						
	o0980776		F24E1					
LAK251		EDI						
	o0980777		F24E2					
LAK350		EDI						
	o0980778		F24E3					
LAK777		EDI						
	o0980779		F24E4					
LAL ₂ -a 128DA		PC25						
39x IV: 14p; III: 31p/6u	o0980780	ZATU325	128DA	128DA	128DA	128DA	128DA	
LAL ₂ -axEZEN-a		UNP						
1x IV: 1u	o0980781	ZATU326	F2450					
LAL ₂ -axNAGA-a 128DB		PC25						
2x III: 2p	o0980782		128DB					128DB
LAL ₂ -axNIM-b2 128DC		PC25						
3x III: 2p/1u	o0980783		128DC					128DC
LAL ₂ -b 128DD		PC25						
1x IV: 1p	o0980784	ZATU325	128DD					
LAL ₃ -a 128DE		PC25						
5x III: 2p/3u	o0980785	ZATU327	128DE					
LAL ₃ -b 128DF		PC25						
2x III: 1p/1u	o0980786	ZATU327	128DF					
LAL ₃ -c		EDI						
	o0980787		F24E5					
LAM-a 128E0		PC25						
5x III: 4p/1u	o0980788	ZATU328	128E0	128E0	128E0			
LAM-b 128E1		PC25	 F2124		 F2124		 F2124	 F2124
61x IV: 12p/5u; III: 35p/19u	o0980789	ZATU328	 F2125	 F2125	 F2125	 F2125	 F2125	 F2125

LAM~b@r 128E2		PC25						
1× IV: 1p; III: 1p	o0980790							
LAM~b@s		UNP						
1× IV: 1u	o0980791	ZATU329	F2451					
LAM~b@t 128E3		PC25						
CDL: LAM~b@t 2× IV: 2p; III: 2p	o0980792							
LAM~c		EDI						
	o0980793		F24E6					
LI		PC25-sq						
7× III: 7p	o0980794	ZATU330	1 F2127					
LIŠ 128E4		PC25						
10× III: 3p/7u	o0980795	ZATU331	128E4	128E4	128E4			
LU ₂ 128E5		PC25						
58× IV: 1p/1u; III: 31p/24u	o0980796	ZATU332	2 F2129					
LU ₂ ×GEŠTU~c3		UNP						
1× III: 1u	o0980797	ZATU333	F2452					
LU ₂ @t		EDI						
	o0980798		F24E7					
LUGAL		PC25-sq						
13× IV: 1u; III: 8p/4u	o0980799	ZATU334	1 F212B					
LUM 128E6		PC25						
14× IV: 1p; III: 9p/4u	o0980800	ZATU335	128E6	128E6	128E6			
MA 128E7		PC25						
195× IV: 38p/20u; III: 100p/51u	o0980801	ZATU336	1 F212C		F212C			
MA×A 128E8		PC25						
2× IV: 2p	o0980802	ZATU337	128E8					
MA×MA 128E9		PC25						
9× IV: 8p; III: 4p	o0980803	ZATU338	128E9			128E9		
MA×X		EDI						
	o0980804		F2504					

MA×2(N57)		EDI						
	o0980805							
MA×1(N58)		PC25						
128EA		128EA						
1× III: 1p	o0980806							
MA ₂		PC25						
128EB		128EB						
9× IV: 5p/2u; III: 4p/1u	o0980807	ZATU339					128EB	
MAGUR~a		PC25						
128EC		128EC					128EC	
4× IV: 4p; III: 4p	o0980808	ZATU340						
MAGUR~b		UNP						
1× IV: 1u	o0980809	ZATU340						
MAH~a		PC25						
128ED		128ED					128ED	
13× IV: 2p; III: 9p/4u	o0980810	ZATU341						
MAH~a×AB ₂		PC25						
128EE		128EE						
1× IV: 1p	o0980811							
MAH~a×GUKKAL~a		PC25						
128EF		128EF					128EF	
1× IV: 1p; III: 1p	o0980812	ZATU342						
MAH~a×KU ₆ ~a		PC25						
128F0		128F0						
2× IV: 1u; III: 1p	o0980813	ZATU343						
MAH~a×MAŠ		PC25						
128F1		128F1					128F1	
11× IV: 4p; III: 7p/2u	o0980814	ZATU344						
MAH~a×NA~a		PC25						
128F2		128F2					128F2	128F2
3× III: 3p	o0980815							
MAH~a×(SILA ₃ ~a×UMBIN~a)		PC25						
128F3		128F3					128F3	
1× IV: 1p; III: 1p	o0980816	ZATU346						
MAH~a×TUG ₂ ~a		PC25						
128F4		128F4					128F4	
1× IV: 1p; III: 1p	o0980817	ZATU347						
MAH~a×TUN ₃ ~c		PC25						
128F5		128F5						128F5
1× III: 1p	o0980818							
MAH~a×UD ₅ ~a		PC25						
128F6		128F6					128F6	
2× IV: 2p; III: 2p	o0980819	ZATU348						
MAH~a×UDU~a		PC25						
128F7		128F7					128F7	
1× IV: 1p; III: 1p	o0980820	ZATU349						

MAH~a×UR~a 128F8 2× IV: 2p; III: 2p		PC25 o0980821 ZATU350		128F8				
MAH~a×UTUA~a 128F9 1× IV: 1p; III: 1p		PC25 o0980822 ZATU351		128F9			128F9	
MAH~a×X 7× IV: 5p; III: 6p/1u	o0980823	PC25-bk		F2454				F2454
MAH~a×ZATU659 128FA 1× IV: 1p; III: 1p	o0980824	PC25 ZATU341		128FA				128FA
MAH~b 128FB 2× IV: 1p; III: 1p/1u	o0980825	PC25 ZATU341		128FB				128FB
MAH~b×KU ₆ ~a 1× IV: 1u	o0980826	UNP ZATU343		F2455				
MAH~b×MAŠ 1× III: 1u	o0980827	UNP ZATU344		F2456				
MAH~b×NA~a 128FC 1× III: 1p	o0980828	PC25 ZATU345		128FC				
MAH~b×SAL 128FD 1× IV: 1p; III: 1p	o0980829	PC25 ZATU345		128FD				128FD
MAR~a 128FE 164× IV: 16p/1u; III: 101p/47u	o0980830	PC25 ZATU352		128FE				
AKA: MAR@g~a 2× III: 2p	o0980831	PC25 ZATU352		1 F212D				
MAR~a@g 128FF 2× III: 2p	o0980831	PC25 ZATU352		128FF				
1 F212E								
MAR~a@t 12900 1× IV: 1p; III: 1p	o0980832	PC25 ZATU352		12900				12900
MAR~b 12901 22× IV: 10p; III: 12p/1u	o0980833	PC25 ZATU352		12901				12901
MAR~b×GAR 12902 1× III: 1p	o0980834	PC25 ZATU352		12902				
MAR~b×(LAGAB~b.ŠE ₃) 12903 1× IV: 1p	o0980835	PC25 ZATU353		12903				12903
MAR~b×ŠE~a 12904 1× IV: 1p; III: 1p	o0980836	PC25 ZATU354		12904				12904

MAR~b×X		PC25-bk						
2× III: 2p	o0980837		F2457		F2457			
MAŠ 12905		PC25						
220× IV: 50p/1u; III: 141p/65u	o0980838	ZATU355	12905		12905	12905	12905	12905
MAŠ ₂ 12906		PC25						
AKA: MAŠNITA 164× IV: 2p; III: 84p/75u	o0980839	ZATU357	12906		12906	12906	12906	12906
MAŠ _{2@g} 12907		PC25						
1× III: 1p	o0980840		12907					
ME~a 12908		PC25						
511× IV: 24p/13u; III: 381p/98u	o0980841	ZATU358	12908		12908	12908	12908	12908
ME~b 12909		PC25						
4× IV: 2p; III: 4p	o0980842	ZATU358	12909		12909	12909		
ME ₃ 1290A		PC25						
5× III: 4p/1u	o0980843	ZATU359	1290A					
MEN~a 1290B		PC25		 1 F212F	 2 1290B	 1290B	 F2130	 1290B
48× IV: 2p/2u; III: 28p/16u	o0980844	ZATU360	2 F2130					
MEN~b 1290C		PC25						
4× IV: 2p; III: 2p	o0980845	ZATU360	1290C					
MES 1290D		PC25		 1 F2131	 2 1290D	 (a) 1290D	 (a) F2131	
41× III: 35p/6u	o0980846	ZATU361						
MIR~a 1290E		PC25						
23× III: 21p/2u	o0980847	ZATU362	1290E		1290E			
MIR~b 1290F		PC25						
16× III: 10p/6u	o0980848	ZATU362	1290F		1290F			
MU 12910	→→→	PC25						
140× IV: 13p/1u; III: 111p/20u	o0980849	ZATU363	12910		12910	12910	12910	12910
MUD 12911		PC25						
115× IV: 2u; III: 81p/32u	o0980850	ZATU364	12911	 1 F2132	 2 12911		 12911	

MUD ₃ ~a 12912 35x IV: 3p; III: 25p/7u		PC25 o0980851 ZATU365						
MUD ₃ ~a@g 12913 AKA: MUD ₃ @g 6x III: 4p/2u		PC25 o0980852 ZATU366						
MUD ₃ ~a@gxGUI o0980853		EDI						
MUD ₃ ~b 12914 2x IV: 1p; III: 1p/1u		PC25 o0980854 ZATU365						
MUD ₃ ~c 12915 4x III: 4p		PC25 o0980855 ZATU365						
MUD ₃ ~d 12916 5x III: 5p		PC25 o0980856 ZATU365						
MUL 12917 3x III: 2p/1u		PC25 o0980857 ZATU367						
MUN~a1 12918 59x IV: 5p/2u; III: 33p/18u		PC25 o0980858 ZATU368						
MUN~a2 12919 4x III: 2p/2u		PC25 o0980859 ZATU368						
MUN~a3 1291A 2x IV: 1p; III: 1u		PC25 o0980860 ZATU368						
MUN~a4 1291B 1x III: 1p		PC25 o0980861 ZATU368						
MUN~b 1291C 2x III: 2p		PC25 o0980862 ZATU368						
MUNŠUB~a 1291D 2x IV: 2p		PC25 o0980863 ZATU369						
MUNŠUB~b 1291E 18x III: 1p/17u		PC25 o0980864 ZATU369						
MUNU ₃ 1291F 16x III: 15p/1u		PC25 o0980865 ZATU370						
MURUB ₂ 5x III: 3p/2u		PC25-sq o0980866 ZATU371						

MUŠ 12920		PC25		12920		12920				
3x III: 3p	o0980867	ZATU373								
MUŠ~a 12921		PC25		1 F2137		2 F2138		12921		
339x IV: 59p/7u; III: 251p/66u	o0980868	ZATU374		12921		1 F2138		12921		
MUŠ~a@g 12922		PC25		12922		1 F2136				
6x IV: 2p/4u	o0980869	ZATU375								
MUŠ~b 12923		PC25		12923				12923		
4x IV: 1p; III: 3p	o0980870	ZATU374								
MUŠEN 12924		PC25		12924		12924		12924		
321x IV: 24p/4u; III: 220p/80u	o0980871	ZATU376		1 F2139				12924		
MUŠEN.UR ₃ -b2		PC25-sq		F213A		1 F213B				
2x IV: 1p/1u	o0980872	ZATU377								
MUŠEN.3(N58)		UNP		12924						
1x III: 1u	o0980873									
MUŠEN×PAP~a		UNP		1 F2506						
1x III: 1u	o0980874									
MUŠEN×X		ZERO		1 F2458		1 F2458				
	o0980875									
1(N02).RU		PC25-sq		125BE						
1x III: 1p	o0980876									
1(N58).BAD 12925		PC25		12925		12925 (a)		12925 (a)		12925 (a)
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								
(1(N58).BAD)-b 12926		PC25		12926		1 F2223		F2223		
AKA: 1(N58).BAD-b CDLI: 1(N58).BAD-b										
6x IV: 4p/2u; III: 3p	o0980878	ZATU043								
3(N58).UR ₃ -b1 12927		PC25		12927		12927				
1x III: 1p	o0980879									

NA~a 12928		PC25							
AKA: NA 169x IV: 4p/2u; III: 95p/70u	o0980880	ZATU378							
NA~b 12929		PC25							
8x IV: 5p; III: 2p/2u	o0980881	ZATU378							
NA~c 1292A		PC25							
4x IV: 4p; III: 1p	o0980882	ZATU378							
NA~d		UNP							
1x III: 1u	o0980883	ZATU378	F2459						
NA ₂ ~a 1292B		PC25	 ¹ F213C						
84x IV: 4p/4u; III: 53p/25u	o0980884	ZATU379							
NA ₂ ~b1 1292C		PC25							
6x IV: 1p; III: 6p	o0980885	ZATU379		1292C			1292C		
NA ₂ ~b2 1292D		PC25							
7x III: 6p/1u	o0980886	ZATU379		1292D					
NA ₂ ~c 1292E		PC25							
1x III: 1p	o0980887	ZATU379		1292E					1292E
NAB 1292F	*	PC25	*	*					*
	*		1292F						1292F
			*	*					
20x III: 15p/4u	o0980888	ZATU380		¹ F213D	² F213E	*	*		
NAGA~a 12930		PC25							
AKA: NAGA 163x IV: 16p/6u; III: 107p/37u	o0980889	ZATU381		12930					
NAGA~a×TAK ₄ ~a 12931		PC25							
1x III: 1p	o0980890			12931					
NAGA~b 12932		PC25							
7x IV: 6p/1u; III: 2p	o0980891	ZATU381		12932			12932		

NAGAR~a 12933		PC25	1 F213F 2 F2140 3 F2141 12933	 			
100× IV: 40p; III: 52p/10u	o0980892	ZATU382					
NAGAR~b 12934		PC25	12934	 1 F2142			
95× IV: 1p/1u; III: 90p/5u	o0980893	ZATU382					
NAM~a 12935		PC25	12935	 12935			
11× IV: 5p; III: 4p/3u	o0980894	ZATU383					
NAM~b 12936		PC25	12936	 12936			
3× IV: 3p; III: 3p	o0980895	ZATU383					
NAM~c 12937		PC25	12937	 12937			
4× IV: 1u; III: 3p	o0980896	ZATU383					
NAM~d 12938		PC25	12938	 12938			
5× IV: 1u; III: 2p/2u	o0980897	ZATU383					
NAM ₂ 12939		PC25	12939	 1 F2143			
829× IV: 66p/12u; III: 580p/219u	o0980898	ZATU384					
NAM ₂ ×1(N01) 1293A		PC25	1293A	 1293A			
1× III: 1p	o0980899	ZATU385					
NAM ₂ @g 1293B		PC25	1293B	 1293B			
1× III: 1p	o0980900	ZATU386					
NAM ₂ @t 1293C		PC25	1293C	 1293C			
9× IV: 1p; III: 1p/8u	o0980901						
NAMEŠDA		PC25-sq	1 F2145 F2144	 			
87× IV: 2p/1u; III: 69p/18u	o0980902	ZATU387					
NANNA~a		PC25-sq	1 F2146 1 F2147 2 F2148	 			
11× III: 6p/5u	o0980903	ZATU388					
(b)							
(a)							
(o)							

NANNA~b		PC25-sq						
2x III: 2p	o0980904	ZATU388	F2265					
NANŠE~a 1293D		PC25						
6x IV: 2p; III: 4p/1u	o0980905	ZATU389	1293D					
NANŠE~b 1293E		PC25						
7x III: 7p	o0980906	ZATU389	1293E		1293E			
NAR 1293F		PC25						
127x IV: 5p; III: 64p/56u	o0980907	ZATU390	1293F F2149	1 F2149	F2149	1293F	F2149	1293F
NE~a 12940		PC25						
345x IV: 50p/17u; III: 192p/89u	o0980908	ZATU391	12940 F214A 2 F214B 3 F214C	1 F214A 2 F214B 3 F214C	F214A	12940 F214A	F214C	F214B
NE~b 12941		PC25						
1x IV: 1p	o0980909	ZATU391	12941					
NE~c 12942		PC25						
3x IV: 1p; III: 3p	o0980910	ZATU391	12942 F214D	1 F214D				
NE~d 12943		PC25						
2x IV: 2p	o0980911	ZATU391	12943		12943			
NERGAL~v CDLI: NERGAL~x 1x III: 1p	o0980912	ZATU392	PC25-sq F2240					
NESAG ₂ ~a 12944		PC25						
73x IV: 37p/2u; III: 58p/8u	o0980913	ZATU416 ZATU570	12944 F214E	1 F214E				
NESAG ₂ ~a2 AKA: NISAG~a3 1x III: 1u	o0980914	ZATU416	UNP F2530					
NESAG ₂ ~b 12945		PC25						
24x IV: 9p/3u; III: 14p/1u	o0980915	ZATU416	12945 F214F	12945	12945		F214F	
NESAG ₂ ~b@t		UNP						
1x III: 1u	o0980916		F245A					
NI~a 12946		PC25						
356x IV: 13p/6u; III: 200p/145u	o0980917	ZATU393	12946	12946	12946	12946	12946	12946

NI~a.RU		PC25-sq						
78x III: 78p	o0980918		F2256				F2256	
NI~a×1(N57)		ZERO						
	o0980919		F245B					
NI~a@g		PC25						
12947			12947				12947	
1x IV: 1p	o0980920	ZATU394						
NI~b		PC25						
12948			12948		12948	12948	12948	12948
91x IV: 8p; III: 79p/10u	o0980921	ZATU393						
NI~b×X		PC25-bk						
1x IV: 1p; III: 1p	o0980922		F245C		F245C			
NI~b×4(N57)		PC25						
12949			12949		12949			
1x III: 1p	o0980923		¹ F2150					
NI~b×8(N57)		PC25						
1294A			1294A		1294A	1294A		
CDL: 8(N57).NI~b								
1x III: 1p	o0980924							
NI ₂		PC25						
1294B			1294B		1294B	1294B		
32x III: 27p/5u	o0980925	ZATU396						
NIGIN		PC25						
1294C			1294C		1294C	1294C		1294C
9x III: 7p/2u	o0980926	ZATU397						
NIM~a		PC25						
1294D			1294D		1294D	1294D		1294D
88x IV: 22p/6u; III: 64p/15u	o0980927	ZATU398						
NIM~b1		PC25						
1294E			1294E		1294E			1294E
68x IV: 2p; III: 42p/25u	o0980928	ZATU398						
NIM~b2		PC25						
1294F			1294F		1294F	1294F		1294F
22x IV: 3p; III: 12p/9u	o0980929	ZATU398						
NIM~b3		PC25						
12950			12950					
1x III: 1p	o0980930	ZATU398						
NIM~d		UNP						
1x	o0980931	ZATU398	F2531					
NIMGIR		PC25						
12951			¹ F2151		12951	12951		12951
84x IV: 23p/1u; III: 59p/15u	o0980932	ZATU399	12951		12951	12951		12951
NIN		PC25-sq						
107x			F225B		F225B			
IV: 1p/1u; III: 68p/37u	o0980933	ZATU400						

NINDA ₂ 12952		PC25	1 F2152 12952					
23× IV: 9p/3u; III: 15p/2u	o0980934	ZATU401	12952		12952			
NINDA ₂ ×AN 12953		PC25	12953					
2× III: 1p/1u	o0980935							
NINDA ₂ ×(AN.HI) 12954		PC25	12954					
2× III: 2p	o0980936							
NINDA ₂ ×(AN.ME~a) 12955		PC25	12955 3 F2153					
1× III: 1p	o0980937	ZATU406						
NINDA ₂ ×(AN.X)		PC25-bk	F245D		F245D			
1× III: 1p	o0980938							
NINDA ₂ ×BA		UNP						
1× III: 1u	o0980939	ZATU402	F245E					
NINDA ₂ ×EZEN~b 12956		PC25	12956					
2× III: 2p	o0980940	ZATU403						
NINDA ₂ ×GA'AR~a1 12957		PC25	12957					
1× III: 1p	o0980941							
NINDA ₂ ×GAR 12958		PC25	12958					
3× IV: 1p/1u; III: 1p	o0980942	ZATU404						
NINDA ₂ ×GIŠ 12959		PC25	12959 12959					
3× IV: 1p; III: 3p	o0980943	ZATU405						
NINDA ₂ ×(GIŠ.DAR~a)		EDI						
	o0980944		F2508					
NINDA ₂ ×GU ₄ 1295A		PC25	1295A					
1× III: 1p	o0980945							
NINDA ₂ ×GUDU ₄		DEL	1 F2156 2 F2155 1 F2154 3 F2153					
	o0982243	ZATU406						
NINDA ₂ ×HI 1295B		PC25	1295B					
5× III: 3p/2u	o0980946	ZATU407						

 NINDA₂×(HI.AN.ME~a) 1295C		PC25		 1295C	 F2154	 F2155				
5× III: 3p/2u	o0980947	ZATU406								
 NINDA₂×(HI.ME~a) 1295D		PC25		 1295D	 F2156	 1295E				
AKA: NINDA ₂ ×(HI+ME~a)										
4× III: 1p/3u	o0980948	ZATU406								
 NINDA₂×(HI.X) 		PC25-bk	 F245F							
1× III: 1p	o0980949									
 NINDA₂×KAŠ~b 1295E		PC25	 1295E	 1295E	 1295E					
3× III: 2p/1u	o0980950									
 NINDA₂×MAR~a 1295F		PC25	 1295F	 1295F						
1×	o0980951	ZATU408								
 NINDA₂×MAR~b 12960		PC25	 12960	 12960						
1× III: 1p	o0980952	ZATU408								
 NINDA₂×NE~a 		EDI	 F2509	 F2509						
	o0980953									
 NINDA₂×NUN~a 12961		PC25	 12961	 12961						
3× III: 3p	o0980954									
 NINDA₂×ŠIM~a 		EDI	 F250A	 F250A						
	o0980955									
 NINDA₂×U₄ 12962		PC25	 12962	 12962						
3× III: 1p/2u	o0980956	ZATU409								
 NINDA₂×(U₄.X) 		UNP	 F2460	 F2460						
1× III: 1u	o0980957									
 NINDA₂×(UDU~a×TAR~a) 		UNP	 F2461	 F2461						
AKA: NINDA ₂ ×((UDU~a×TAR)~a)										
CDL: NINDA ₂ ×((UDU~a×TAR)~a)										
1× III: 1u	o0980958	ZATU410								
 NINDA₂×(UDU~a×TAR~b) 		UNP	 F2462	 F2462						
AKA: NINDA ₂ ×((UDU~a+TAR)~b)										
1× III: 1u	o0980959	ZATU410								
 NINDA₂×X 		PC25-bk	 F2463	 F2463	 F2463					
12× IV: 2p/1u; III: 4p/5u	o0980960									
 NINDA₂×(X.MAŠ) 		EDI	 F250B	 F250B						
	o0980961									
 NINDA₂×(ZATU659×1(N01)) 		PC25	 12963	 12963	 12963					
2× III: 2p	o0980962									

 NINDA₂×ZATU710 		PC25						
12964		12964		12964				
3× III: 3p	o0980963							12964
 NINDA₂×1(N01) 		PC25						
12965		12965		12965				
7× IV: 3p/1u; III: 3p/1u	o0980964	ZATU411						12965
 NINDA₂×2(N01) 		PC25						
12966		12966		12966				
1× III: 1p	o0980965	ZATU411						
 NINDA₂×1(N06) 		EDI						
	o0980966			F2507				
 NINDA₂×(1(N06).HI@g~a) 		PC25						
12967		12967		12967				
AKA: NINDA ₂ ×(HI@g~a.1(N06)) CDLI: NINDA ₂ ×(HI@g~a.1(N06))								
2× III: 1p/1u	o0980967	ZATU021						
 NINDA₂×1(N08) 		PC25						
12968		12968		12968				
1× IV: 1p; III: 1p	o0980968	ZATU411						
NINKUM		PC25-sq						
			F225C		F225C			
10× III: 10p	o0980969	ZATU412						
NINLIL		PC25-sq						
			F2233		F2233			
4× III: 4p	o0980970	ZATU413						
NIR~a		PC25						
12969		12969		12969				12969
32× IV: 1u; III: 23p/7u	o0980971	ZATU414						12969
 NIR~a×AN 		PC25						
1296A		1296A		1296A				
14× III: 5p/9u	o0980972	ZATU415						1296A
NIR~b		PC25						
1296B		1296B		1296B				
15× IV: 11p; III: 11p	o0980973	ZATU414						
NU		PC25						
1296C		1296C		1296C				1296C
63× IV: 4p/4u; III: 39p/18u	o0980974	ZATU417						
NU@g		PC25						
1296D		1296D		1296D				
21× IV: 5p/7u; III: 12p	o0980975	ZATU418	1 F2157	1296D	1296D	1296D	1296D	F2157
NU₁₁		PC25						
1296E		1296E		1296E				
45× IV: 2p; III: 37p/6u	o0980976	ZATU419						1296E
 NU₁₁&NU₁₁ 		PC25						
1296F		1296F		1296F				
1× III: 1p	o0980977							

NU ₁₁ @t 12970		PC25						
CDLI: NU ₁₁ @t 4x III: 2p/2u	o0980978		12970					
NUMUN 12971	15x IV: 1p; III: 12p/2u	o0980979	PC25	12971		12971	12971	12971
NUMUN ₂	2x III: 2u	o0980980	UNP	ZATU420	F2464			
NUN~a 12972	726x IV: 103p/13u; III: 522p/155u	o0980981	PC25	12972	12972	12972	12972	12972
NUN~a+A 12973	3x IV: 2p; III: 3p	o0980982	PC25	12973	12973			
NUN~a+EN~a 12974	AKA: EN~a+xNUN~a 39x IV: 12p/5u; III: 21p/5u	o0980983	PC25	12974	12974	12974	12974	
NUN~a+EN~b 12975	5x IV: 2p/3u; III: 1p	o0980984	PC25	12975	12975		(b)	
NUN~a+EN~d 12976	1x IV: 1p	o0980985	PC25	12976	12976			
NUN~a+NAM ₂ 12977	13x III: 13p	o0980986	PC25	12977	12977		12977	
NUN~b 12978	117x IV: 36p/3u; III: 49p/61u	o0980987	PC25	12978	12978	12978	12978	
NUN~b.U ₄	1x III: 1p	o0980988	PC25-sq	12978				
NUN~b+EN~a 12979	AKA: EN~a+a+NUN~b 9x III: 8p	o0980989	PC25	12979	12979			
NUN~c 1297A	18x IV: 15p/2u; III: 8p	o0980990	PC25	1 F2158 2 F2159 3 F215A	1297A	1297A	F2158 F2159 F215A	1297A F2159
		ZATU421						

NUN~d 1297B		PC25						
4x IV: 3p; III: 1p	o0980991	ZATU421	1297B					
NUNUZ~a0 1297C		PC25						
AKA: NUNUZ~a1@n 13x III: 3p/10u	o0980992	ZATU423	1297C					
NUNUZ~a1 1297D		PC25				1297D	1297D	1297D
184x IV: 3p/2u; III: 113p/67u	o0980993	ZATU423	1297D		1297D	1297D	1297D	1297D
NUNUZ~a1@t		UNP						
CDL: NUNUZ~a1@t 2x III: 2u	o0980994		F2465					
NUNUZ~a2 1297E		PC25						
14x IV: 6p; III: 5p/5u	o0980995	ZATU423	1297E			1297E	1297E	
NUNUZ~b1 1297F		PC25						
5x IV: 2p; III: 5p	o0980996	ZATU423	1297F		1297F	1297F		
NUNUZ~b2		UNP						
1x III: 1u	o0980997	ZATU423	F2466					
NUNUZ~c 12980		PC25						
27x IV: 1p; III: 15p/11u	o0980998	ZATU423	12980					
PA~a 12981		PC25						
514x IV: 43p/8u; III: 370p/116u	o0980999	ZATU425	12981					
PA~b 12982		PC25						
2x IV: 2p; III: 1p	o0981000	ZATU425	12982			12982		
PA ₃ o0981001		EDI						
PAD~a 12983		PC25				12983	12983	12983
30x IV: 3p; III: 19p/9u	o0981002	ZATU426	12983		12983	12983		12983
PAD~b 12984		PC25				12984	12984	
1x III: 1p	o0981003	ZATU426	12984		12984			

PAP~a 12985		PC25							
855x IV: 55p/11u; III: 553p/246u	o0981004	ZATU427	12985		12985	12985	12985	12985	12985
PAP~a@t 12986		PC25							
AKA: PAP@t 21x III: 21p	o0981005		12986						
1 F2161								F2161	
PAP~b 12987		PC25							12987
4x IV: 2p/1u; III: 2p	o0981006	ZATU427	12987		12987				12987
1 F2162									
PIRIG~a1 12988		PC25							
19x IV: 17p/1u; III: 13p	o0981007	ZATU428	12988		12988	12988	12988		
PIRIG~a2 12989		PC25							
1x IV: 1p; III: 1p	o0981008	ZATU428	12989			12989			
PIRIG~a3 1298A		PC25							
2x IV: 1p; III: 1p	o0981009	ZATU428	1298A			1298A			
PIRIG~b1 1298B		PC25							
174x IV: 7p/3u; III: 112p/54u	o0981010	ZATU428	1298B		1298B	1298B	1298B	1298B	1298B
PIRIG~b1+DIN 1298C		PC25							
2x III: 2p	o0981011		1298C						1298C
PIRIG~b1×UR ₂		UNP							
2x III: 2u	o0981012		F2467						
PIRIG~b1×(N58@t)		ZERO							
		o0981013	F2528						F2528
PIRIG~b2 1298D		PC25							
2x IV: 1p; III: 1p	o0981014	ZATU428	1298D						
PU ₂ 1298E		PC25							
40x IV: 1p; III: 35p/4u	o0981015	ZATU430	1298E			F2163		F2163	
1 F2163									
RA 1298F		PC25							
4x IV: 1p; III: 3p	o0981016	ZATU431	1298F						
RAD~a 12990		PC25							
238x IV: 5p/2u; III: 116p/111u	o0981017	ZATU432	12990		12990	12990	12990	12990	12990

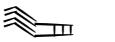
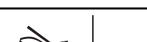
RAD~a@g 12991		PC25 o0981018 ZATU433						
15x IV: 5p/1u; III: 7p/6u			12991		12991 (o)	12991 (o)		
RAD~a@t	UNP	CDL: RAD~a@t 2x III: 2u	F2468					
RAD~b 12992	PC25 o0981020 ZATU432	16x IV: 14p; III: 15p						
RI	EDI o0981021							
RI~x	DEL o0982244							
RI _g ~a 12993	PC25 o0981022 ZATU434	8x IV: 1p; III: 4p/3u						
RI _g ~b 12994	PC25 o0981023 ZATU434	1x III: 1p						
RU 12995	PC25 o0981024 ZATU435	AKA: RU~a 345x IV: 17p/6u; III: 248p/82u						
RU@t	ZERO o0981025	CDL: RU@t						
SA~a 12996	PC25 o0981026 ZATU436	25x IV: 1p; III: 16p/8u						
SA~c 12997	PC25 o0981027 ZATU436	53x III: 40p/12u						
SAG 12998	PC25 o0981028 ZATU437	417x IV: 34p/8u; III: 277p/109u						
SAG+UKKIN~b×1(N57) 12999	PC25 o0981029	AKA: SAG×(UKKIN~b×1(N57)) 1x III: 1p						

SAGxGEŠTU~a 1299A		PC25						
AKA: SAG+GEŠTU~a 10x IV: 8p; III: 1p/1u o0981030 ZATU438								
SAGxGEŠTU~b 1299B		PC25						
3x III: 3p o0981031 ZATU438								
SAGxGEŠTU~c		UNP						
1x III: 1u o0981032 ZATU438								
SAGxLAM~c		EDI						
o0981033								
SAGxMA 1299C		PC25						
19x III: 18p o0981034 ZATU439								
SAGxNAM ₂ 1299D		PC25						
AKA: SAG+NAM ₂ 1x III: 1p o0981035								
SAGxSAR~a		EDI						
o0981036								
SAGx1(N14)		UNP						
1x III: 1u o0981037 ZATU440								
SAG@g 1299E		PC25						
9x III: 4p/5u o0981038								
SAG@n 1299F		PC25						
18x IV: 1p; III: 17p/1u o0981039 ZATU441								
SAGŠU 129A0		PC25						
31x III: 17p/14u o0981040 ZATU442								
SAL 129A1		PC25						
985x IV: 57p/19u; III: 627p/310u o0981041 ZATU443								
SAL.KUR~a 50x IV: 3p/1u; III: 35p/12u o0981042 ZATU201		PC25-sq						
SAL.LAM~b		UNP						
2x III: 2u o0981043								
SAL.ME~a AKA: LUKUR 1x III: 1p o0981044		PC25-sq						
SAL.ŠU ₂ 2x III: 2p o0981045		PC25-sq						
SAL.ZATU751~a CDL: *SAL.ZATU751~a 1x III: 1p o0981046		PC25-sq						

SAL.ZATU751~b CDLI: *SAL+ZATU751~b o0981047	ZERO						
SAL.ZATU751~c CDLI: *SAL+ZATU751~c 1x III: 1p o0981048	PC25-sq						
SAL×1(N58) 129A2 2x III: 1p/1u o0981049	PC25						
SANGA~a 129A3 716x IV: 75p/28u; III: 488p/155u o0981050	PC25	1 F216A 2 F216B 129A3	 	F216A 129A3 (b) 129A3	 F216B 129A3		
SANGA~b 129A4 16x IV: 15p; III: 6p o0981051	PC25	1 F216C 129A4	 		F216C 129A4		
SANGA~c 129A5 2x IV: 1p/1u o0981052	PC25						
SANGA~e 129A6 1x III: 1p o0981053	PC25	129A6 1 F222A					 F222A
SAR~a 129A7 78x IV: 2p/2u; III: 49p/26u o0981054	PC25						
SAR~a×ŠE~a 129A8 27x IV: 4p/1u; III: 20p/4u o0981055	PC25						
SAR~b 129A9 5x III: 5p o0981056	PC25						
SAR~c 129AA 4x III: 2p/2u o0981057	PC25						
SAR~d 129AB 1x III: 1p o0981058	PC25						
SI 129AC 389x IV: 24p/9u; III: 227p/129u o0981059	PC25	1 F216D 129AC	 				
SI+AN 129AD 1x III: 1p o0981060	PC25						

SI×EN~a 129AE 1x III: 1p		PC25 o0981061								129AE
SI×GU ₄ 129AF 1x III: 1p		PC25 o0981062	ZATU448							
SI×KU~b1 129B0 17x III: 17p		PC25 o0981063								129B0
SI×SAL 129B1 1x III: 1p		PC25 o0981064								129B1
SI×ŠE ₃ 129B2 4x III: 3p/1u		PC25 o0981065	ZATU449							
SI×TUN ₃ ~a 129B3 1x III: 1p		PC25 o0981066								129B3
SI×1(N58) 129B4 1x III: 1p		PC25 o0981067								129B4
SI ₄ ~a 129B5 75x IV: 20p/5u; III: 45p/11u		PC25 o0981068	ZATU450							
SI ₄ ~b 129B6 1x IV: 1p; III: 1p		PC25 o0981069	ZATU450							
SI ₄ ~c 129B7 1x IV: 1p; III: 1p		PC25 o0981070	ZATU450							
SI ₄ ~d 129B8 4x IV: 1p; III: 4p		PC25 o0981071	ZATU450							
SI ₄ f 129B9 73x III: 57p/16u		PC25 o0981072	ZATU450							
SIG 129BA 92x IV: 7p; III: 56p/31u		PC25 o0981073	ZATU451							
SIG~b 2x		UNP o0981074	ZATU451							
SIG@g 1x III: 1u		UNP o0981075								

SIG ₂ ~a1 129BB		PC25						
AKA: SIG ₂ ~a 26× IV: 1u; III: 14p/10u	o0981076	ZATU452						
SIG ₂ ~a2 129BC		PC25	 ¹					
23× IV: 3p/3u; III: 17p/2u	o0981077	ZATU452						
SIG ₂ ~a3 129BD		PC25	 ¹ ²	 ¹		 ¹		
21× IV: 6p/1u; III: 16p/3u	o0981078	ZATU452						
SIG ₂ ~a4 129BE		PC25						
2× IV: 1p; III: 1p	o0981079	ZATU452						
SIG ₂ ~b 129BF		PC25						
158× IV: 17p/16u; III: 80p/51u	o0981080	ZATU452						
SIG ₂ ~b×1(N14)		UNP						
3× IV: 3u	o0981081	ZATU453	F246D					
SIG ₂ ~b&SIG ₂ ~b 129C0		PC25	 ¹					
AKA: SIG ₂ ~b.SIG ₂ ~b CDL: SIG ₂ ~b.SIG ₂ ~b 2× III: 2p	o0981082							
SIG ₂ ~c1 129C1		PC25						
2× IV: 1p; III: 1p	o0981083	ZATU452						
SIG ₂ ~c2 129C2		PC25						
1× III: 1p	o0981084	ZATU452						
SIG ₂ ~d1 129C3		PC25						
10× III: 10p	o0981085	ZATU452						
SIG ₂ ~d2 129C4		PC25	 ¹					
4× IV: 2p; III: 1p	o0981086	ZATU452						
SIG ₂ ~d3 129C5		PC25						
2× IV: 2p	o0981087	ZATU452						
SIG ₂ ~d4 129C6		PC25						
4× IV: 4p; III: 2p	o0981088	ZATU452						
SIG ₂ ~e 129C7		PC25						
10× IV: 4p/2u; III: 3p/2u	o0981089	ZATU452						

SIG ₄ 129C8	IV: 1p o0981090	PC25 ZATU454							
SIG ₇ 129C9		PC25							
102x IV: 14p/1u; III: 68p/23u	o0981091	ZATU455							
SIKIL		EDI o0981092							
SILA ₃ ~a 129CA		PC25							
52x IV: 5p/3u; III: 21p/24u	o0981093	ZATU456							
SILA ₃ ~a×A 129CB	III: 1p o0981094	PC25 ZATU457							
SILA ₃ ~a×AMAR 129CC	IV: 1p o0981095	PC25							
SILA ₃ ~a×DUG~a 129CD		PC25							
8x III: 4p/4u	o0981096	ZATU458							
SILA ₃ ~a×DUG~b		EDI o0981097							
SILA ₃ ~a×GA~a 129CE		PC25							
8x III: 5p/3u	o0981098	ZATU459							
SILA ₃ ~a×GARA ₂ ~a 129CF		PC25							
AKA: SILA ₃ ~a+GARA ₂ ~a 18x III: 14p/4u	o0981099	ZATU461							
SILA ₃ ~a×GEŠTU~a 129D0	III: 1p o0981100	PC25 ZATU462							
1x III: 1p									
SILA ₃ ~a×GEŠTU~c3 129D1		PC25							
7x IV: 5p/2u; III: 1p	o0981101	ZATU462							
SILA ₃ ~a×GEŠTU~c5		UNP ZATU462 ZATU469							
1x III: 1u	o0981102								
SILA ₃ ~a×HAŠHUR 129D2		PC25							
5x IV: 1p; III: 3p/1u	o0981103	ZATU463							
SILA ₃ ~a×HI 129D3		PC25							
7x IV: 1p; III: 6p/1u	o0981104	ZATU464							
SILA ₃ ~a×HI@g~a		UNP							
2x IV: 2u	o0981105	ZATU465							

SILA ₃ ~a×IB~a 129D4		PC25 o0981106 ZATU466						
1× IV: 1p; III: 1p								
SILA ₃ ~a×KAŠ~a 129D5		PC25 o0981107 ZATU467						
AKA: SILA ₃ ~a+KAŠ~a 5× IV: 1u; III: 4p								
SILA ₃ ~a×KAŠ~c 129D6		PC25 o0981108 ZATU467						
2× III: 2p								
SILA ₃ ~a×KAŠ~d 129D7		PC25 o0981109 ZATU467						
2× III: 1p/1u								
SILA ₃ ~a×KU ₆ ~a 129D8		PC25 o0981110						
9× III: 6p/3u								
SILA ₃ ~a×KUR~a 129D9		PC25 o0981111 ZATU468						
4× IV: 1p/2u; III: 1p/1u								
SILA ₃ ~a×MA 129DA		PC25 o0981112 ZATU473						
4× III: 3p/1u								
SILA ₃ ~a×MAŠ 129DB		PC25 o0981113 ZATU470						
3× IV: 3p; III: 3p								
SILA ₃ ~a×MUD ₃ ~b 129DC		PC25 o0981114						
AKA: SILA ₃ ~a+MUD ₃ ~b 1× III: 1p								
SILA ₃ ~a×NAGA~a 129DD		PC25 o0981115 ZATU471						
2× III: 2p								
SILA ₃ ~a×NI~a 129DE		PC25 o0981116 ZATU460 ZATU472						
10× IV: 2u; III: 7p/1u								
SILA ₃ ~a×NUN~b 129DF		PC25 o0981117 ZATU614						
2× IV: 1p; III: 1p								
SILA ₃ ~a×SUHUR 129E0		PC25 o0981118						
2× IV: 2p; III: 2p								
SILA ₃ ~a×SUM~a 129E1		PC25 o0981119 ZATU474						
3× IV: 3p; III: 1p								
SILA ₃ ~a×SUM~b 129E2		PC25 o0981120 ZATU474						
1× III: 1p								

SILA ₃ ~a×ŠE~a 129E3 1× IV: 1p o0981121	PC25 ZATU475						
SILA ₃ ~a×ŠE~a@t 129E4 18× IV: 5p; III: 8p/7u o0981122	PC25					129E4	
SILA ₃ ~a×ŠU 129E5 17× IV: 2p/1u; III: 4p/10u o0981123	PC25 ZATU476					129E5	
SILA ₃ ~a×ŠU ₂ 129E6 11× III: 8p/3u o0981124	PC25 ZATU477						129E6
SILA ₃ ~a×X 17× IV: 7p/5u; III: 10p/2u o0981125	PC25-bk				F2470	F2470	
SILA ₃ ~a×ZATU629 129E7 1× III: 1p o0981126	PC25				129E7	129E7	
SILA ₃ ~a×ZATU646 129E8 1× III: 1p o0981127	PC25				129E8	129E8	
SILA ₃ ~a×(ZATU659.TU~c) 129E9 1× IV: 1p; III: 1p o0981128	PC25 ZATU478				129E9	129E9	
SILA ₃ ~a×1(N57) 129EA 2× III: 2p o0981129	PC25 ZATU481				129EA		
SILA ₃ ~a×1(N58) 1× IV: 1u o0981130	UNP ZATU481				F2471		
SILA ₃ ~b 129EB 5× III: 5p o0981131	PC25 ZATU456				129EB	129EB	
SILA ₃ ~b×DUG~a o0981132	EDI				F250F		
SILA ₃ ~b×GUG ₂ 129EC 1× III: 1p o0981133	PC25				129EC		
SILA ₃ ~b×NAGA~b 129ED 1× IV: 1p; III: 1p o0981134	PC25 ZATU471				129ED	129ED	
SILA ₃ ~b×NI~a 129EE 1× III: 1p o0981135	PC25 ZATU460				129EE		
SILA ₃ ~b×NI~b 129EF 1× III: 1p o0981136	PC25 ZATU460				129EF	129EF	
SILA ₃ ~c 1× III: 1u o0981137	UNP ZATU456				F2472		

SILA ₃ ~c×ŠU		UNP	F2473	F2473				
1× IV: 1u	o0981138	ZATU476						
SILA ₃ ~c×ZATU687		PC25	129F0	129F0	129F0			
1× III: 1p	o0981139	ZATU480						
SILA ₃ ~d×NI~a		UNP	F2474	F2474				
2× III: 2u	o0981140	ZATU460						
SILA ₄ ~a		PC25	129F1	129F1	129F1			
17× III: 10p/7u	o0981141	ZATU482						
SILA ₄ ~b		PC25	129F2	129F2	129F2	129F2		
31× IV: 6p/1u; III: 20p/8u	o0981142	ZATU482						
SILA ₄ ~c		PC25	129F3	129F3	129F3			
83× IV: 8p/1u; III: 45p/35u	o0981143	ZATU482	¹ F2176			129F3		
SILA ₄ ~d		PC25	129F4	129F4	129F4	129F4		
1× III: 1p	o0981144	ZATU482						
SILANITA		PC25	129F5	129F5	129F5			
AKA: SILANITA~a								
26× III: 20p/6u	o0981145	ZATU483						
SIMUG		PC25	129F6	129F6	129F6	129F6	129F6	
13× IV: 1p; III: 10p/3u	o0981146	ZATU484	¹ F2177	F2177	F2177	F2177	F2177	
SIPA		PC25-sq	F2178	F2178	F2179	F2179		
6× III: 6p	o0981147		¹ F2179					
SU~a		PC25	129F7	129F7	129F7	129F7	129F7	
278× IV: 20p/5u; III: 168p/97u	o0981148	ZATU485	¹ F217A	129F7	F217A	129F7	F217A	F217A
SU~a×1(N58)		PC25	129F8	129F8	129F8	129F8		
2× III: 2p	o0981149	ZATU486						
SU~b		PC25	129F9	129F9				
3× IV: 3p; III: 3p	o0981150	ZATU485				129F9		
SU~c		PC25	129FA	129FA				129FA
1× III: 1p	o0981151	ZATU485						
SU ₃		PC25	129FB	129FB	129FB	129FB		
6× III: 5p/1u	o0981152	ZATU487						

SUG 129FC		PC25						
11x IV: 3p; III: 6p/3u o0981153	ZATU488							
SUG ₅ 129FD		PC25						
AKA: SUG ₅ ~a 89x IV: 2p/1u; III: 63p/22u o0981154	ZATU489							
SUH ₃ 129FE		PC25						
4x III: 3p/1u o0981155	ZATU490							
SUHUR 129FF		PC25						
AKA: SUHUR~a 310x IV: 37p/11u; III: 234p/52u o0981156	ZATU491		1 F217B 2 F217C 3 F217D					
SUHUR@g 12A00		PC25						
4x III: 3p/1u o0981157								
SUHUR@n 12A01		PC25						
CDL: SUHUR@n 5x III: 1p/4u o0981158								
SUHUR@t 12A02		PC25						
6x III: 6p o0981159								
SUKKAL 12A03		PC25						
155x IV: 19p/7u; III: 106p/34u o0981160	ZATU492		1 F217E					
SUKUD 12A04		PC25						
14x IV: 6p; III: 9p/2u o0981161	ZATU493				12A04 (a)			
(SUKUD+SUKUD)~a 12A05		PC25						
5x IV: 1u; III: 4p o0981162	ZATU494				12A05			
(SUKUD+SUKUD)~b 12A06		PC25						
13x IV: 1p; III: 11p/1u o0981163	ZATU494				12A06			
(SUKUD+SUKUD)~c o0981164		EDI						
(SUKUD+SUKUD)~d o0981165		UNP						
3x III: 3u o0981165	ZATU494							
SUKUD@g~a 12A07		PC25						
1x IV: 1p o0981166	ZATU495		1 F217F					

SUKUD@g~b 12A08		PC25	 12A08 1 F2180		F2180	12A08			
2× IV: 1p; III: 1p o0981167 ZATU495									
SUKUD@g~c 12A09		PC25	 12A09			12A09			
2× IV: 1p; III: 1p/1u o0981168 ZATU495									
SUKUD@g~d 12A0A		PC25	 12A0A						
CDLI: SUKUD@g~d 3× III: 1p/2u o0981169 ZATU495									
SUKUD@h		UNP	 F251C						
1× III: 1u o0981170									
SUM~a 12A0B		PC25	 1 F2181 12A0B 2 F2182	 1 F2181			 F2182		
29× IV: 1p; III: 24p/5u o0981171 ZATU496									
SUM~a@t		UNP	 F2476						
CDLI: SUM~a@t 1× III: 1u o0981172									
SUM~b 12A0C		PC25	 12A0C		12A0C	12A0C			
19× IV: 4p; III: 11p/4u o0981173 ZATU496									
SUMAŠ 12A0D		PC25	 12A0D		12A0D	12A0D			
2× IV: 1p; III: 2p o0981174 ZATU497									
SUR 12A0E		PC25	 12A0E		12A0E		 12A0E		
9× IV: 1p; III: 6p/2u o0981175 ZATU498									
SUSA		PC25-sq	 F2250		 F2250				
1× III: 1p o0981176 ZATU499									
ŠA 12A0F		PC25	 1 F2183 2 F2184 12A0F 3 F2185	 1 F2183	 2 F2184	 12A0F	 F2183 12A0F 12A0F		
139× IV: 6p/2u; III: 103p/33u o0981177 ZATU500									
(ŠA×HI@g~a)~a 12A10		PC25	 12A10		12A10	12A10	12A10		
15× IV: 1p; III: 7p/8u o0981178 ZATU501									
(ŠA×HI@g~a)~b 12A11		PC25	 12A11				 (b) 12A11		
4× IV: 1p; III: 4p o0981179 ZATU501									

ŠA@g 12A12		PC25						
20x IV: 1p; III: 14p/5u	o0981180	ZATU502	12A12	12A12	12A12		12A12	
ŠA ₃ -a1 12A13		PC25				F2186	12A13	12A13
112x IV: 5p; III: 58p/49u	o0981181	ZATU503	12A13			F2186	12A13	F2186
ŠA ₃ -a2 12A14		PC25				F2187		12A14
AKA: ŠA ₃ -b1 32x IV: 1p/1u; III: 21p/5u	o0981182	ZATU503	12A14			F2187		12A14
12A15		PC25						12A15
1x III: 1p	o0981183		12A15					
ŠA ₃ -b 12A16		PC25					12A16	
3x IV: 2p; III: 2p	o0981184	ZATU503	12A16			(b1)	12A16	
ŠA ₃ -c 12A17		PC25					12A17	
9x IV: 6p/1u; III: 7p	o0981185	ZATU503	12A17			12A17		
ŠA ₃ -d 12A18		PC25						
1x IV: 1p	o0981186	ZATU503	12A18					
ŠAB-a		PC25-sq						
79x IV: 5p/1u; III: 66p/10u	o0981187	ZATU504	12A18			F218A	F2189	
ŠAB-b		PC25-sq						
9x III: 9p	o0981188	ZATU504	12A18					
ŠAGAN 12A19		PC25				12A19	F218D	12A19
73x IV: 5p/1u; III: 60p/10u	o0981189	ZATU506	12A19			12A19	F218D	12A19
ŠAGINA 12A1A		PC25				12A1A		
1x IV: 1p	o0981190	ZATU507	12A1A			12A1A		
ŠAH ₂ -a 12A1B		PC25				12A1B	12A1B	12A1B
27x IV: 4p; III: 23p/3u	o0981191	ZATU508	12A1B			12A1B	12A1B	12A1B
ŠAH ₂ -b 12A1C		PC25						
1x III: 1p	o0981192	ZATU508	12A1C					

ŠAH₂~c 12A1D		PC25							
1× IV: 1p	o0981193	ZATU508							
ŠAKIR~a 12A1E		PC25							
3× III: 3p	o0981194	ZATU509							
ŠAKIR~b 12A1F		PC25							
8× III: 7p/1u	o0981195	ZATU509							
ŠAKIR~c 12A20		PC25							
47× III: 32p/15u	o0981196	ZATU509	1 F218E						
ŠAM₂ 12A21		PC25							
66× IV: 3p/2u; III: 57p/8u	o0981197	ZATU510	1 F218F						
ŠANDANA~a		PC25-sq							
2× III: 2p	o0981198								
ŠANDANA~b		UNP							
1× III: 1u	o0981199								
ŠE~a 12A22		PC25							
1204× IV: 87p/6u; III: 889p/232u	o0981200	ZATU511							
 ŠE~a.GAR 		PC25-sq							
2× III: 2p	o0981201		1 F2228						
			1 F2229						
 ŠE~a.KIN₂~c 		PC25-sq							
5× III: 5p	o0981202	ZATU512	1 F2190						
			1 F2191						
 ŠE~a.NAM₂ 		PC25-sq							
AKA: ŠE~a×NAM ₂ ŠE~a×NAM ₂									
109× IV: 10p; III: 64p/39u	o0981203	ZATU513	1 F2192						
			1 F2193						
 ŠE~a&ŠE~a 12A23		PC25							
29× IV: 1p; III: 24p/4u	o0981204	ZATU515							
ŠE~a@t 12A24		PC25							
14× IV: 2p; III: 9p/5u	o0981205		1 F2194						
ŠE~b 12A25		PC25							
6× IV: 1p; III: 5p	o0981206	ZATU511							

ŠE~c 12A26		PC25							
2x IV: 1p/1u	o0981207	ZATU511							
ŠE₃ 12A27		PC25							
175x IV: 13p/10u; III: 112p/48u	o0981208	ZATU516							
ŠE_{3@t} 12A28		PC25							
11x IV: 1p/1u; III: 8p/2u	o0981209	ZATU518							
ŠEG, 12A29		PC25							
31x IV: 8p; III: 27p/3u	o0981210	ZATU519							
ŠELU		PC25-sq							
32x IV: 25p; III: 6p/1u	o0981211	ZATU520							
ŠEN~a 12A2A		PC25							
19x IV: 1u; III: 14p/4u	o0981212	ZATU521							
ŠEN~b 12A2B		PC25							
52x IV: 1p; III: 49p/2u	o0981213	ZATU521							
ŠEN~c 12A2C		PC25							
2x III: 1p	o0981214	ZATU521							
ŠEN~c@t 12A2D		PC25							
28x III: 28p	o0981215								
ŠEN~d		ZERO							
	o0981216	ZATU521							
 ŠEN~d×A 12A2E		PC25							
1x III: 1p	o0981217								
ŠEN~e 12A2F		PC25							
6x III: 6p	o0981218	ZATU521							
ŠENNUR~a 12A30		PC25							
10x III: 9p/1u	o0981219	ZATU522							

ŠENNUR~b 12A31		PC25						
2× III: 1p/1u	o0981220	ZATU522						
ŠEŠ~a 12A32		PC25						
25× IV: 11p/3u; III: 10p/4u	o0981221	ZATU523	¹ F219F			F219F		
ŠEŠ~b 12A33		PC25						
1× IV: 1p; III: 1p	o0981222	ZATU523	12A33		12A33			
ŠIDIM 12A34		PC25					12A34	12A34
36× IV: 6p/3u; III: 23p/5u	o0981223	ZATU524	12A34	12A34			12A34	12A34
ŠIDIM@t		UNP						
1× IV: 1u	o0981224		F2477					
ŠIM~a 12A35		PC25	¹ F21A0					
56× IV: 2p/2u; III: 50p/3u	o0981225	ZATU525	² F21A1				12A35	12A35
ŠIM~b 12A36		PC25						
3× IV: 1p/1u; III: 1p/1u	o0981226	ZATU525	12A36			12A36		
ŠIR~a 12A37		PC25	¹ F21A2					
16× IV: 2p/4u; III: 11p/1u	o0981227	ZATU526	² 12A37		12A37	F21A2	12A37	F21A2
ŠIR~b 12A38		PC25	¹ F21A3				² F21A4	
7× IV: 4p; III: 3p/2u	o0981228	ZATU526	12A38				12A38	
ŠITA~a1 12A39		PC25						
AKA: ŠITA~a 346×			12A39		12A39	12A39	12A39	12A39
IV: 38p/10u; III: 243p/76u	o0981229	ZATU527						
 ŠITA~a1×KAK~a 12A3A		PC25						
2× III: 2p	o0981230	ZATU529	12A3A		12A3A			
 ŠITA~a1×ŠU 12A3B		PC25						
2× III: 2p	o0981231	ZATU528	12A3B		12A3B			
 ŠITA~a1×ŠU₂ 		UNP						
1× III: 1u	o0981232		F2478					
 ŠITA~a1×UDU~a 		UNP						
5× III: 5u	o0981233		F2479					

ŠITA~a1x1(N06)		UNP							
3× III: 3u	o0981234		F247A						
ŠITA~a2 12A3C		PC25							
1× III: 1p	o0981235	ZATU527	12A3C						
ŠITA~a3 12A3D		PC25							
29× IV: 10p; III: 20p/4u	o0981236	ZATU527	12A3D		12A3D	12A3D		12A3D	
ŠITA~b1 12A3E		PC25							
26× IV: 7p/4u; III: 16p/2u	o0981237	ZATU527	12A3E		12A3E	12A3E			
ŠITA~b2 12A3F		PC25							
6× IV: 1p; III: 4p/2u	o0981238	ZATU527	12A3F						
ŠITA~b2@gxHI@g~a 12A40		PC25					 (b1) 12A40		
AKA: ŠITA~b1xHI@g~a CDLI: ŠITA~b1xHI@g~a			12A40						
1× IV: 1p; III: 1p	o0981239								
ŠITA~b3 12A41		PC25							
6× IV: 3p; III: 5p	o0981240	ZATU527	12A41		12A41	12A41		12A41	
ŠITA~b3xNAM ₂ 12A42		PC25							
1× IV: 1p; III: 1p	o0981241		12A42						
ŠITA~c		EDI							
	o0981242		F24EB						
ŠITA@g~a 12A43		PC25							
24× IV: 6p/1u; III: 16p/4u	o0981243	ZATU530	12A43	 1 F21A5			F21A5	F21A5	
ŠITA@g~a1(N04)		UNP							
1× III: 1u	o0981244	ZATU531	F247B						
ŠITA@g~a1(N06) 12A44		PC25							
4× III: 3p/1u	o0981245		12A44					12A44	
ŠITA@g~b 12A45		PC25							
4× III: 3p/1u	o0981246	ZATU530	12A45						
ŠU 12A46		PC25							
610× IV: 46p/8u; III: 378p/169u	o0981247	ZATU532	12A46		12A46	12A46	12A46	12A46	
ŠUx1(N58) 12A47		PC25							
1× III: 1p	o0981248		12A47						

ŠU&ŠU 12A48		PC25	 12A48	 12A48				 12A48	 12A48	
22x IV: 1p; III: 20p/2u	o0981249									
ŠU@g 12A49		PC25	 12A49	 12A49	 12A49	 12A49	 12A49			
4x III: 4p	o0981250	ZATU533								
ŠU@s		EDI	 F24EC	 F24EC						
ŠU ₂ 12A4A		PC25	 1 F21A9							
			 2 12A4A							
			 3 F21AA							
			 4 F21AB							
			 5 F21AC							
385x										
IV: 65p/40u; III: 253p/46u	o0981252	ZATU534								
ŠU ₂ .AN		UNP	 12A4A	 12A4A						
AKA: ŠU ₂ +AN ŠU ₂ .AN ŠU ₂ ×AN										
4x III: 2u	o0981253									
ŠU ₂ .E ₂ ~a		PC25-sq	 F2267	 F2267				 F2267		
9x III: 8p/1u	o0981254	ZATU535								
ŠU ₂ .E ₂ ~b		PC25-sq	 F2268	 F2268						
13x III: 10p/3u	o0981255	ZATU535								
ŠU ₂ .EN~a		PC25-sq	 1 F21A7	 F21A6	 F21A8	 F21A6	 F21A6	 F21A6		
40x IV: 9p/3u; III: 27p/4u	o0981256	ZATU536	 2 F21A8	 F21A8						
ŠU ₂ .EN~b		UNP	 F2269	 F2269						
2x IV: 2u	o0981257	ZATU536								
ŠU ₂ .GIŠ		ZERO	 F226A	 F226A						
	o0981258									
ŠU ₂ .((HI×1(N57))&(HI×1(N57)))		PC25-sq	 F226B							
AKA: ŠU ₂ .((HI+1(N57))+(HI+1(N57)))										
CDLI: ŠU ₂ .((HI+1(N57))+(HI+1(N57)))										
1x III: 1p	o0981259									
ŠU ₂ .PAP~a		PC25-sq	 12A4A							
1x III: 1p	o0981260									
ŠU ₂ .URI ₃ ~a		PC25-sq	 F226E	 F226E			 F226E			
1x III: 1p	o0981261									

ŠU ₂ .1(N02)	UNP							
2× IV: 1u; III: 1p/1u o0981262		F226F						
ŠU ₂ .1(N24)	PC25-sq							
AKA: ŠU ₂ ×1(N24)		F2270						
1× III: 1p o0981263								
ŠU ₂ .2(N57)	EDI							
		F2271						
ŠU ₂ ×3(N57)	UNP							
AKA: ŠU ₂ ×3(N57)		F251D						
1× o0981265								
ŠU ₁₂ 12A4B	PC25							
1× III: 1p o0981266	ZATU538	12A4B		12A4B				
ŠUBUR 12A4C	PC25							
345× IV: 41p/7u; III: 223p/98u o0981267	ZATU539	12A4C	1 F21AE	12A4C	12A4C	12A4C	12A4C	12A4C
ŠUM 12A4D	PC25							
35× IV: 14p; III: 23p/4u o0981268	ZATU541	12A4D		12A4D	12A4D	12A4D	12A4D	12A4D
ŠUR ₂ ×1(N58) 12A4E	PC25							
4× III: 4p o0981269		12A4E						12A4E
ŠUR _{2~a} 12A4F	PC25							
14× III: 8p/6u o0981270	ZATU543	12A4F		12A4F		12A4F		
ŠUR _{2~b} 12A50	PC25							
13× III: 7p/6u o0981271	ZATU543	12A50		12A50				12A50
ŠUR _{2~c}	UNP							
2× o0981272	ZATU543	F2533						
ŠURUPPAK~a	PC25-sq							
48× IV: 3u; III: 37p/10u o0981273	ZATU544	1 F21B0			F21AF			
ŠURUPPAK~b	PC25-sq							
10× IV: 1u; III: 8p/2u o0981274	ZATU544	1 F21B2			F21B1			
ŠURUPPAK~c	EDI							
		o0981275	F2263					
TA~a 12A51	PC25							
5× IV: 1u; III: 4p o0981276	ZATU545	12A51		12A51				

TA~b 12A52		PC25 o0981277 ZATU545					
1× III: 1p							
TA~c 12A53		PC25 o0981278 ZATU545					
23× IV: 2p/2u; III: 16p/3u							
TA~d 12A54		PC25 o0981279 ZATU545					
2× III: 1p/1u							
TA~d×MAŠ		UNP o0981280					
1× III: 1u							
TA~e 12A55		PC25 o0981281 ZATU545					
1× III: 1p							
TA~f		EDI o0981282					
TAG~a1 12A56		PC25 o0981283 ZATU547					
25× IV: 16p; III: 8p/2u							
TAG~a1@t 12A57		PC25 o0981284					
1× IV: 1p							
TAG~a2 12A58		PC25 o0981285 ZATU547					
9× III: 7p/2u							
TAG~a3 12A59		PC25 o0981286 ZATU547					
2× III: 2p							
TAG~a4 12A5A		PC25 o0981287 ZATU547					
2× IV: 1p; III: 2p							
TAG~b 12A5B		PC25 o0981288 ZATU547					
14× IV: 2p/1u; III: 13p			 1 F21B3				
TAG~c 12A5C		PC25 o0981289 ZATU547					
1× III: 1p							
TAG~d 12A5D		PC25 o0981290 ZATU547					
3× III: 2p/1u							
TAK ₄ ~a 12A5E		PC25 o0981291 ZATU548	 1 F21B4				
188× IV: 6p/3u; III: 123p/58u							
TAK ₄ ~a@n 12A5F		PC25 o0981292					
1× III: 1p							
TAK ₄ ~c 12A60		PC25 o0981293 ZATU548					
3× III: 2p/1u							

TAR~a 12A61		PC25					
100x IV: 5p; III: 80p/16u	o0981294	ZATU549	12A61		12A61		12A61
TAR~d	EDI		X F24EE	X			
	o0981295						
TE 12A62	X	PC25	X	X	X	X	X
AKA: TE~a 350x IV: 63p/5u; III: 239p/86u	o0981296	ZATU550	12A62	12A62	12A62	12A62	12A62
TI 12A63	←	PC25	← 12A63 1 F21B5	← 12A63	←(a) 12A63 F21B5	←(a) 12A63 F21B5	←(a) 12A63 F21B5
AKA: TI~a 103x IV: 9p/8u; III: 62p/34u	o0981297	ZATU551					
TI@g 12A64	←	PC25	← 12A64	← 12A64	←(a) 12A64		
1x III: 1p	o0981298						
TI@r 12A65	→	PC25	→ 12A65	→ 12A65			
2x III: 2p	o0981299						
TI@t 12A66	↑	PC25	↑ 12A66	↑ 12A66	↑(b) 12A66	↑(b) 12A66	
17x IV: 1p; III: 13p/4u	o0981300						
TIDNUM		PC25-sq	X F2241	X F2241	X F2241		
1x III: 1p	o0981301	ZATU552					
TILLA ₂ 12A67	*	PC25	*	*	*		
6x IV: 1p; III: 5p/1u	o0981302	ZATU553	12A67	12A67			
TU~a 12A68	○	PC25	○ 12A68	○ 12A68	○ 12A68		
27x IV: 4p; III: 16p/7u	o0981303	ZATU554					
TU~b 12A69	○	PC25	○ 12A69	○ 12A69		○ 12A69	○ 12A69
29x IV: 1u; III: 26p/2u	o0981304	ZATU554					
TU~c 12A6A	○	PC25	○ 12A6A	○ 12A6A			
1x IV: 1p	o0981305	ZATU554					
TUG ₂ ~a 12A6B	○	PC25	○ 12A6B 1 F21B6 2 F21B7	○ F21B6	○ 12A6B	○ F21B7	○ 12A6B
365x IV: 31p/26u; III: 194p/124u	o0981306	ZATU555					
TUG ₂ ~a.BAD&BAD		PC25-sq	○ F21B8	○ 1 F21B9			
CDL: TUG ₂ ~a.(BAD&BAD)							
35x IV: 1p/2u; III: 23p/10u	o0981307	ZATU556					
		ZATU558					

TUG ₂ ~a@g 12A6C		PC25				12A6C			
19x IV: 2u; III: 17p o0981308 ZATU557									
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									
TUM~a 12A6F		PC25				12A6F			12A6F
34x IV: 9p/2u; III: 17p/10u o0981312 ZATU560						12A6F			12A6F
TUM~a@g 12A70		PC25				12A70			
2x IV: 1p; III: 1u o0981313						12A70			
TUM~b 12A71		PC25				12A71			
6x IV: 2p; III: 4p/2u o0981314 ZATU560						12A71			
TUM~c 12A72		PC25				12A72			F21BB
13x IV: 1p; III: 12p o0981315 ZATU560						12A72			F21BB
TUM~d 12A73		PC25				12A73			12A73
3x IV: 1p; III: 3p o0981316 ZATU560						12A73			12A73
TUN ₃ ~a 12A74		PC25				12A74			12A74
108x IV: 35p/2u; III: 53p/19u o0981317 ZATU561						12A74			12A74
TUN ₃ ~b 12A75		PC25				12A75			12A75
3x III: 3p o0981318 ZATU561						12A75			12A75
TUN ₃ ~c 12A76		PC25				12A76			
4x IV: 1p; III: 2p/1u o0981319 ZATU561						12A76			
TUR 12A77		PC25				12A77			12A77
381x IV: 31p/6u; III: 243p/101u o0981320 ZATU562						12A77			12A77
TUR~X		EDI				12A77			
						12A77			
TUR@g 12A78		PC25				12A78			
9x IV: 1p; III: 7p/2u o0981322						12A78			F21BC

TUR ₃ ~a 12A79		PC25						
171× IV: 19p/4u; III: 126p/31u	o0981323	ZATU563						
TUR ₃ ~a.5(N57)		PC25-sq						
1× III: 1p	o0981324							
TUR ₃ ~a@n CDL: TUR ₃ ~a@n		UNP						
1×	o0981325							
TUR ₃ ~b 12A7A		PC25						
9× IV: 1p/2u; III: 7p	o0981326	ZATU563						
TUR ₃ ~b×TAK ₄ ~a		EDI						
	o0981327							
TUR ₃ ~c 12A7B		PC25						
1× IV: 1p	o0981328	ZATU563						
U ₂ ~a 12A7C		PC25						
145× IV: 10p/1u; III: 103p/35u	o0981329	ZATU565						
U ₂ ~b 12A7D		PC25	 ¹ F21C0		 ² F21C1		 F21C0	
170× IV: 15p/2u; III: 102p/59u	o0981330	ZATU565						
U ₂ ~c 12A7E		PC25						
1× IV: 1p	o0981331	ZATU565						
U ₄ 12A7F		PC25						
602× IV: 77p/13u; III: 435p/112u	o0981332	ZATU566						
U ₄ .ŠU ₂		PC25-sq						
11× IV: 2p; III: 9p/2u	o0981333	ZATU568						
U ₄ .1(N08)		PC25-sq						
48× III: 32p/16u	o0981334							
U ₄ .2(N08)		PC25-sq						
12× IV: 1p; III: 11p	o0981335							
U ₄ .3(N08)		PC25-sq						
10× III: 8p/2u	o0981336							
U ₄ .4(N08)		PC25-sq						
2× III: 2p	o0981337							
U ₄ .5(N08)		PC25-sq						
6× III: 5p/1u	o0981338							
U ₄ .6(N08)		PC25-sq						
4× III: 4p	o0981339							

 U₄.7(N08) 	PC25-sq						
2× III: 1p/1u	o0981340	F227C					
 U₄.8(N08) 	PC25-sq						
1× III: 1p	o0981341	F227D					
 U₄.1(N14) 	PC25-sq						
1× III: 1p	o0981342	F227E					
 U₄.1(N14).1(N08) 	PC25-sq						
AKA: (U ₄ +1(N14)).1(N08)		12A7F					
1× III: 1p	o0981343						
 U₄.1(N14).3(N08) 	PC25-sq						
CDLI: U ₄ .(1(N14).3(N08))		F227F					
2× III: 2p	o0981344						
 U₄.1(N14).4(N08) 	PC25-sq						
CDLI: U ₄ .(1(N14).4(N08))		F2280				F2280	
1× III: 1p	o0981345						
 U₄.1(N14).5(N08) 	PC25-sq						
CDLI: U ₄ .(1(N14).5(N08))		F2281				F2281	
4× III: 2p/2u	o0981346						
 U₄.1(N14).8(N08) 	PC25-sq						
CDLI: U ₄ .(1(N14).8(N08))		F2282					
1× III: 1p	o0981347						
 U₄.2(N14) 	PC25-sq						
2× III: 2p	o0981348	F2283					
 U₄.1(N24) 	PC25-sq						
3× III: 3p	o0981349	F2284					F2284
 U₄×X 	PC25-bk						
2× III: 1p/1u	o0981350	F247F					
 U₄×(X+2(N01)) 	UNP						
1× III: 1u	o0981351	F2480					
 U₄×1(N01) 	PC25						
12A80							
38× IV: 1p; III: 31p/7u	o0981352 ZATU569	12A80				12A80	
 U₄×1(N01).5(N08) 	PC25-sq						
2× III: 1p/1u	o0981353	F2285				F2285	
 U₄×(1(N01).1(N24)) 	PC25						
12A81							12A81
AKA: U ₄ ×1(N01)+1(N24)							
2× III: 2p	o0981354	12A81					
 U₄×2(N01) 	PC25-bk						
14× III: 13p/1u	o0981355	F2481				F2481	F2481
 U₄×2(N01).X 	PC25-sq						
1× III: 1p	o0981356	F2482					
 U₄×2(N01).2(N14) 	PC25-sq						
1× III: 1p	o0981357	F2286					
 U₄×2(N01).2(N14).1(N08) 	PC25-sq						
CDLI: U ₄ ×2(N01).(2(N14).1(N08))		F2287					F2287
1× III: 1p	o0981358						

$ U_4 \times 3(N01) $	PC25							
12A82								
5x III: 3p/2u	o0981359							
$ U_4 \times 3(N01).3(N08) $	UNP							
1x III: 1u	o0981360	F2288						
$ U_4 \times 4(N01) $	PC25							
12A83								
7x III: 6p/1u	o0981361							
$ U_4 \times 4(N01).2(N14) $	UNP							
1x III: 1u	o0981362	F2289						
$ U_4 \times 5(N01) $	PC25							
12A84								
3x III: 2p/1u	o0981363							
$ U_4 \times 5(N01).1(N14) $	PC25-sq							
1x III: 1p	o0981364	F228A						
$ U_4 \times 6(N01) $	PC25							
12A85								
3x III: 1p/2u	o0981365							
$ U_4 \times 8(N01) $	PC25							
12A86								
2x III: 2p	o0981366							
$ U_4 \times 8(N01).X $	PC25-sq							
1x III: 1p	o0981367	F2483						
$ U_4 \times N(N01) $	UNP							
CDL: $ U_4 \times (X(N01)) $		F2484						
1x III: 1u	o0981368							
$ U_4 \times 1(N01@f) $	EDI							
CDL: $ U_4 \times 1(N01)F $		F2513						
o0981369								
$ U_4 \times 1(N14) $	PC25							
12A87								
5x III: 1p/4u	o0981370							
$ U_4 \times (1(N14).1(N01)) $	PC25							
12A88								
1x III: 1p	o0981371							
$ U_4 \times (1(N14).2(N01)) $	PC25							
12A89								
10x III: 10p	o0981372							
$ U_4 \times (1(N14).3(N01)) $	UNP							
1x III: 1u	o0981373	F253C						
$ U_4 \times (1(N14).3(N01)).1(N14).4(N08) $	UNP							
AKA: $ U_4 \times (1(N14).3(N01)).(1(N14).4(N08)) $		F253C						
1x III: 1u	o0981374							
$ U_4 \times (1(N14).4(N01)) $	PC25							
12A8A								
1x III: 1p	o0981375							

$ U_4 \times (1(N14).8(N01)) $ 12A8B 2x III: 2p	o0981376	PC25	12A8B				12A8B	
$ U_4 \times 2(N14) $ o0981377	ZERO		F2485				F2485	
$ U_4 \times (2(N14).4(N01)) $ 12A8C 1x III: 1p	o0981378	PC25	12A8C				12A8C	
$ U_4 \times (3(N14).2(N01)) $ 12A8D 1x III: 1p	o0981379	PC25	12A8D				12A8D	
$ U_4 \times (3(N14).7(N01)) $ 12A8E 1x III: 1p	o0981380	PC25	12A8E					
$ U_4 \times 1(N57) $ 12A8F 159x III: 132p/23u	o0981381	PC25	12A8F			12A8F	12A8F	12A8F
$ U_4 \times 2(N57) $ 12A90 57x IV: 1p; III: 43p/9u	o0981382	PC25	12A90		12A90		12A90	12A90
$ U_4 \times 3(N57) $ 12A91 43x IV: 1u; III: 30p/10u	o0981383	PC25	12A91			12A91	12A91	12A91
$ U_4 \times 4(N57) $ 12A92 9x III: 7p/1u	o0981384	PC25	12A92				12A92	12A92
$ U_4 \times 5(N57) $ 12A93 5x III: 5p	o0981385	PC25	12A93				12A93	12A93
$ U_4 \times 6(N57) $ 12A94 9x III: 8p/1u	o0981386	PC25	12A94				12A94	12A94
$ U_4 \times 7(N57) $ 12A95 3x III: 3p	o0981387	PC25	12A95				12A95	
$ U_4 \times 8(N57) $ 12A96 3x III: 3p	o0981388	PC25	12A96				12A96	
$ U_4 \times 10(N57) $ 12A97 2x III: 2p	o0981389	PC25	12A97					
$ U_4 \times 1(N58@t) $ 12A98 2x III: 2p	o0981390	PC25	12A98					
AKA: $ U_4 \times 1(N58)@t $ CDL: $ U_4 \times 1(N58)@t $								

U₄@t 12A99		PC25						
1× III: 1p	o0981391							
U₈ 12A9A		PC25	 1 F21C2 2 12A9A 2 F21C3 3 F21C4			 12A9A F21C3 F21C4		
186× IV: 32p; III: 118p/62u	o0981392	ZATU571						
 U₈×TAR~b 12A9B		PC25						
CDLI: (U ₈ ×TAR)~b 2× III: 1p/1u	o0981393							
UB 12A9C		PC25						
186× IV: 21p/5u; III: 152p/19u	o0981394	ZATU572						
UBI~a 12A9D		PC25						
2× IV: 2p; III: 2p	o0981395	ZATU573						
UBI~c 12A9E		PC25	 1 F21C5					
8× III: 8p	o0981396	ZATU573						
UBI~d 12A9F		PC25						
2× III: 2p	o0981397	ZATU573						
UD₅~a 12AA0		PC25	 1 F21C6 2 12AA0 2 F21C7		 F21C6 12AA0 F21C7			
224× IV: 46p/2u; III: 132p/83u	o0981398	ZATU574						
UD₅~a@g 12AA1		PC25						
1× III: 1p	o0981399							
UD₅~b 12AA2		PC25						
2× IV: 2p; III: 2p	o0981400	ZATU574						
UD₅~c 12AA3		PC25						
2× IV: 2p; III: 2p	o0981401	ZATU574						
UDU~a 12AA4		PC25						
AKA: UDU 586× IV: 77p/17u; III: 379p/148u	o0981402	ZATU575						

UDU~a×TAR~a 12AA5		PC25		12AA5					
CDL: (UDU~a×TAR)~a 8× IV: 2p; III: 2p/4u o0981403 ZATU576									
UDU~a×TAR~b 12AA6		PC25		12AA6					
CDL: (UDU~a×TAR)~b 19× III: 10p/9u o0981404 ZATU576									
UDU~b		UNP							
1× IV: 1u o0981405 ZATU575			F2486						
UDU~c 12AA7		PC25		12AA7					
6× IV: 1u; III: 4p/1u o0981406 ZATU575									
UDUNITA~a 12AA8		PC25		12AA8		12AA8		12AA8	
198× IV: 33p; III: 122p/73u o0981407 ZATU578									
UDUNITA~b 12AA9		PC25		12AA9				12AA9	
1× IV: 1p; III: 1p o0981408 ZATU578									
UDUNITA~c 12AAA		PC25		12AAA				12AAA	
14× IV: 7p; III: 13p o0981409 ZATU578									
UH		UNP							
1× III: 1u o0981410			F2487						
UH~a 12AAB		PC25		12AAB		12AAB		12AAB	
13× IV: 2p; III: 9p/4u o0981411 ZATU579									
UH~a@t 12AAC		PC25		12AAC		12AAC			
2× IV: 1p; III: 1p o0981412									
UH~b 12AAD		PC25		12AAD				12AAD	
4× IV: 1p; III: 4p o0981413 ZATU579									
UKKIN~a 12AAE		PC25	1 F21C8	12AAE	1 F21C8	12AAE	12AAE	12AAE	12AAE
155× IV: 34p/9u; III: 112p/23u o0981414 ZATU580									
UKKIN~b 12AAF		PC25	1 F21C9	12AAF	1 F21CA	12AAF	12AAF	12AAF	
13× III: 11p/2u o0981415 ZATU580									
UKKIN~b×DIN 12AB0		PC25		12AB0				12AB0	
6× III: 5p/1u o0981416									
UKKIN~b×(DIN.1(N01)) 12AB1		PC25		12AB1					
1× III: 1p o0981417									

UKKIN~bxDUG~a		EDI						
	o0981418		F2514					
UKKIN~b@HI@g~a		PC25						
12AB2			12AB2					
1x III: 1p	o0981419							
UKKIN~b@NI~a		PC25						
12AB3			12AB3					
2x III: 2p	o0981420							
UKKIN~b@X		PC25-bk						
			F2488					
1x III: 1p	o0981421							
UKKIN~b@2(N01)		PC25						
12AB4			12AB4					
1x III: 1p	o0981422							
UKKIN~b@3(N01)		PC25						
12AB5			12AB5					
1x III: 1p	o0981423							
UKKIN~b@5(N01)		PC25						
12AB6			12AB6					
1x III: 1p	o0981424							
UKKIN~c		PC25						
12AB7			12AB7					
1x IV: 1p	o0981425	ZATU580				12AB7		
UKKIN~d		UNP						
			F2534					
1x o0981426	ZATU580							
UMBIN~a		PC25						
12AB8			12AB8			12AB8		12AB8
40x IV: 27p/3u;								
III: 27p/3u	o0981427	ZATU581						
UMBIN~b1		PC25						
12AB9			12AB9					
2x IV: 2p	o0981428	ZATU581						
UMBIN~b2		PC25						
12ABA			12ABA			12ABA		
1x IV: 1p	o0981429	ZATU581						
UMBIN~c		PC25						
12ABB			12ABB			12ABB		
1x IV: 1p; III: 1p	o0981430	ZATU581						
UMUN ₂		PC25						
12ABC			12ABC			12ABC		12ABC
160x IV: 19p/2u;								
III: 109p/43u	o0981431	ZATU582						
UNUG~a		PC25						
12ABD			12ABD			12ABD		12ABD
266x IV: 71p/8u;								
III: 186p/56u	o0981432	ZATU583						
UNUG~a@A@t		PC25						
12ABE			12ABE			12ABE		
1x IV: 1p; III: 1p	o0981433	ZATU584						

UNUG~a@s 12ABF		PC25						
2× IV: 1p; III: 1p/1u o0981434	ZATU585		12ABF		12ABF (o)			
UNUG~b 12AC0		PC25						
6× IV: 1p; III: 6p o0981435	ZATU583		12AC0					
UNUG~c 12AC1		PC25						
3× IV: 3p o0981436	ZATU583		12AC1					
UR~a 12AC2		PC25						
AKA: UR 75× IV: 3p/4u; III: 42p/26u o0981437	ZATU586		12AC2		12AC2	12AC2	12AC2	12AC2
UR~a×KAR ₂ ~b AKA: UR~a×KAR ₂ CDLI: UR~a×KAR ₂ 1× III: 1u o0981438	UNP							
F2489								
UR~a@g 12AC3		PC25						
2× IV: 2p; III: 2p o0981439	ZATU587		12AC3			12AC3		
UR~b 12AC4		PC25						
8× IV: 1u; III: 7p o0981440	ZATU586		12AC4					
UR~c 12AC5		PC25						
3× IV: 1p/1u; III: 1p o0981441	ZATU586		12AC5					12AC5
UR ₂ 12AC6		PC25						
107× IV: 13p/2u; III: 77p/24u o0981442	ZATU588		12AC6		12AC6	12AC6	12AC6	12AC6
UR ₂ ×TAR~c 12AC7		PC25				12AC7 (o)		
AKA: UR ₂ ×TAR CDLI: UR ₂ ×TAR 4× IV: 2p; III: 2p o0981443	ZATU590		12AC7					
UR ₂ ×1(N57) 12AC8		PC25				12AC8		
15× IV: 6p/1u; III: 11p/2u o0981444	ZATU589		12AC8		12AC8			
UR ₃ ~a1 12AC9		PC25						
4× IV: 4p; III: 2p o0981445	ZATU591		12AC9					
UR ₃ ~a2 12ACA		PC25				12ACA		
6× III: 6p o0981446	ZATU591		12ACA		12ACA			
UR ₃ ~a3 12ACB		PC25						
8× III: 7p/1u o0981447	ZATU591		12ACB					
UR ₃ ~b1 12ACC		PC25				12ACC		
12× IV: 5p/2u; III: 4p o0981448	ZATU591		12ACC		12ACC			

 URU~a1×AMAR 			PC25							
12AD7										
2×	IV: 2p; III: 2p	o0981465	ZATU598							
 URU~a1×GU₄ 			UNP							
1×	III: 1u	o0981466								
 URU~a1×HI@g~a 			PC25							
12AD8										
1×	III: 1p	o0981467								
 URU~a1×KI 			PC25							
12AD9										
2×	III: 2p	o0981468								
 URU~a1×NIMGIR 			PC25							
12ADA										
1×	IV: 1p; III: 1p	o0981469	ZATU600							
 URU~a1×U₄ 			PC25							
12ADB										
1×	III: 1p	o0981470								
 URU~a1×X 			PC25-bk							
2×	IV: 1p; III: 2p	o0981471								
 URU~a1×1(N57) 			PC25-sq							
1×	IV: 1p	o0981472	ZATU601							
 URU~a1×2(N57) 			UNP							
1×	IV: 1u	o0981473	ZATU601							
 URU~a1×3(N57) 			PC25							
12ADC										
5×	III: 5p	o0981474								
URU~a1@n			UNP							
CDLI: URU~a1@n										
1×	III: 1u	o0981475								
URU~a2			PC25							
12ADD										
3×	IV: 3p; III: 2p	o0981476	ZATU597							
 URU~a2×1(N58) 			PC25							
12ADE										
AKA: URU~a1+1(N58)										
3×	IV: 2p; III: 3p	o0981477	ZATU601							
 URU~a3×KALAM~a 			PC25							
12ADF										
1×	IV: 1p	o0981478	ZATU599							
URU~b1			PC25							
12AE0										
2×	IV: 2p; III: 2p	o0981479	ZATU597							
URU~b2			PC25							
12AE1										
4×	IV: 4p; III: 3p	o0981480	ZATU597							
URU~c			PC25							
12AE2										
2×	IV: 2p; III: 2p	o0981481	ZATU597							

URUDU~a 12AE3		PC25	 ¹ ² 	 	 	 	 	
40× IV: 8p/1u; III: 24p/11u	o0981482	ZATU602						
URUDU~c 12AE4		PC25						
3× IV: 1p; III: 2p/1u	o0981483	ZATU602						
URUDU~d 12AE5		PC25						
1× IV: 1p; III: 1p	o0981484	ZATU602						
URUDU@g~a 12AE6		PC25						
5× IV: 3p/2u; III: 2p	o0981485	ZATU603						
URUDU@g~b		UNP						
1× IV: 1u	o0981486	ZATU603						
URUDU@g~c 12AE7		PC25						
3× III: 3p	o0981487	ZATU603						
URUDU@g~d 12AE8		PC25						
5× III: 2p/3u	o0981488	ZATU603						
UŠ~a 12AE9		PC25	 					
87× IV: 33p/3u; III: 61p/17u	o0981489	ZATU604		 ¹ 				
 UŠ~a&UŠ~a 12AEA		PC25	 					
9× IV: 9p; III: 9p	o0981490							
UŠ~b 12AEB		PC25	 	 ¹ 		 		
9× IV: 1p/1u; III: 4p/4u	o0981491	ZATU604		 ¹ 		 		
 UŠ~b×TAR~c 12AEC		PC25	 	 ¹ 				
2× IV: 2p; III: 1p	o0981492	ZATU605		 				
 UŠ~b×TAR~d 		EDI						
	o0981493							
 UŠ~b&UŠ~b 12AED		PC25	 	 				
2× IV: 2p; III: 2p	o0981494			 				
UŠUMGAL		PC25-sq						
5× III: 3p/2u	o0981495	ZATU607						
UŠUR₃~a		EDI				 ^(b1) 		
	o0981496					 ^(b1) 		
UŠUR₃~b1 12AEE		PC25	 	 	 	 ^(b2) 		
1× III: 1p	o0981497	ZATU608		 	 	 ^(b2) 		

UŠUR ₃ -b2 12AEF 1x III: 1p		PC25 o0981498 ZATU608						
UTUA~a 12AF0 123x IV: 40p/3u; III: 70p/46u		PC25 o0981499 ZATU609						
UTUA~a@t 12AF1 1x IV: 1p; III: 1p		PC25 o0981500						
UTUA~b 12AF2 14x IV: 4p; III: 12p/2u		PC25 o0981501 ZATU609						
UTUL~a 12AF3 38x IV: 3p/1u; III: 30p/7u		PC25 o0981502 ZATU610						
UTUL~b 12AF4 1x IV: 1p; III: 1p		PC25 o0981503 ZATU610						
UTUL~c 12AF5 1x IV: 1p; III: 1p		PC25 o0981504 ZATU610						
UTUL~d 12AF6 1x IV: 1p; III: 1p		PC25 o0981505 ZATU610						
UZ~a 6x III: 1p/2u		PC25-sq o0981506 ZATU611						
UZU 12AF7 2x III: 1p/1u		PC25 o0981507						
X ₂ AKA: 2(N57).DU ₆ ~a@n 1x III: 1p		PC25-sq o0981508						
ZA~v 12AF8 CDL: ZA~x 9x III: 9p		PC25 o0981509 ZATU612						
ZABALAM~a AKA: ZABALA~a 48x III: 31p/17u		PC25-sq o0981510 ZATU613						
ZABALAM~b 1x III: 1u		UNP o0981511 ZATU613						
ZADIM		EDI o0981512						

ZAG~a 12AF9		PC25							
75× IV: 2p/1u; III: 58p/15u	o0981513	ZATU615							
ZAG~b 12AFA		PC25							
2× IV: 2p; III: 2p	o0981514	ZATU615							
ZAG~c 12AFB		PC25							
7× IV: 4p; III: 4p	o0981515	ZATU615							
ZAR~a 12AFC		PC25							
2× III: 2p	o0981516	ZATU616							
ZAR~b1 12AFD		PC25							
2× IV: 2p; III: 1p	o0981517	ZATU616							
ZAR~b2 12AFE		PC25							
3× IV: 3p	o0981518	ZATU616							
ZAR~c 12AFF		PC25							
8× IV: 6p/1u; III: 6p	o0981519	ZATU616							
ZI~a 12B00		PC25							
125× IV: 3p/1u; III: 91p/31u	o0981520	ZATU617							
ZI~b 12B01		PC25							
2× IV: 2p; III: 2p	o0981521	ZATU617							
ZI~d 12B02		PC25							
2× III: 2p	o0981522	ZATU617							
(ZU&ZU).SAR~a		EDI							
ZUBI~a 12B03		PC25							
1× III: 1p	o0981524	ZATU619							
ZUBI~b		UNP							
1× III: 1u	o0981525	ZATU619							
ZATU620 12B04		PC25							
1× IV: 1p; III: 1p	o0981526	ZATU620							
ZATU621~a 12B05		PC25							
5× IV: 4p; III: 4p	o0981527	ZATU621							
ZATU621~b 12B06		PC25							
3× 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						
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						
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							
ZATU633-b 12B19		PC25						
4x III: 4p o0981550	ZATU633							
ZATU634		UNP						
1x IV: 1u o0981551	ZATU634							
ZATU635 12B1A		PC25						
3x IV: 3p; III: 3p o0981552	ZATU635							
ZATU636 12B1B		PC25						
5x IV: 3p; III: 3p/2u o0981553	ZATU636							
ZATU637 12B1C		PC25						
2x IV: 1p; III: 2p o0981554	ZATU637							
ZATU639 12B1D		PC25						
7x IV: 4p/1u; III: 6p o0981555	ZATU639							
ZATU640		PC25-bk						
1x IV: 1p; III: 1p o0981556	ZATU640							
ZATU641 12B1E		PC25						
1x IV: 1p; III: 1p o0981557	ZATU641							
ZATU642 12B1F		PC25						
2x IV: 2p; III: 2p o0981558	ZATU642							
ZATU643 12B20		PC25						
2x IV: 1p/1u o0981559	ZATU643							
ZATU644-a 12B21		PC25						
57x IV: 8p/3u; III: 48p/2u o0981560	ZATU644							

ZATU644~a×1(N14)		UNP						
1× IV: 1u	o0981561	ZATU645	F2494					
ZATU644~b		PC25						
12B22								
10× IV: 3p/4u; III: 6p/1u	o0981562	ZATU644		12B22	12B22	12B22		
ZATU646		PC25						
12B23								
10× IV: 2p; III: 2p/6u	o0981563	ZATU646	12B23					
ZATU647		PC25						
12B24								
73× IV: 3p; III: 54p/14u	o0981564	ZATU647	1 F21E0					
ZATU648		PC25						
12B25								
53× IV: 2u; III: 39p/12u	o0981565	ZATU648		12B25	12B25			
ZATU649		PC25						
12B26								
44× III: 37p/7u	o0981566	ZATU649	1 F21E1					
ZATU650		PC25-bk						
1× IV: 1p	o0981567	ZATU650	F2495			F2495		
ZATU651		PC25						
12B27				1 F21E2				
17× IV: 11p/3u; III: 6p/1u	o0981568	ZATU651	2 F21E3			12B27		
ZATU651×AN		PC25						
12B28								
1× III: 1p	o0981569	ZATU652	12B28			12B28		
ZATU651×EN~a		PC25						
12B29								
29× III: 23p/6u	o0981570	ZATU653	12B29			12B29		
ZATU651×GAR		PC25						
12B2A								
20× IV: 1p/2u; III: 8p/9u	o0981571	ZATU654	12B2A			12B2A		
ZATU651×MA		PC25						
12B2B								
1× IV: 1p	o0981572	ZATU655	12B2B					
ZATU651×NUN~a		PC25						
12B2C								
12× IV: 1p; III: 11p/1u	o0981573	ZATU656	12B2C					
ZATU651×ŠE~a		UNP						
1× III: 1u	o0981574	ZATU657	F2497					

ZATU651×X		PC25-bk						
2x III: 2p	o0981575							
ZATU651×ZAR~c		PC25						
12B2D								
1x IV: 1p	o0981576							
ZATU651@g		PC25						
12B2E								
15x IV: 1p; III: 9p/5u	o0981577	ZATU658						
ZATU659		PC25						
12B2F								
131x IV: 14p/6u;								
III: 78p/37u	o0981578	ZATU659						
ZATU659×1(N01)		PC25						
12B30								
20x III: 20p	o0981579							
ZATU659×1(N14)		PC25						
12B31								
1x IV: 1p; III: 1p	o0981580	ZATU661						
ZATU659×1(N58@t)		PC25						
12B32								
AKA: ZATU659×1(N58)@t								
CDLI: ZATU659×1(N58)@t								
1x III: 1p	o0981581	ZATU660						
ZATU659@t		UNP						
1x	o0981582							
ZATU662		PC25						
12B33								
27x IV: 4p/6u;								
III: 19p/1u	o0981583	ZATU662						
ZATU662×1(N14)		PC25						
12B34								
11x IV: 4p/1u; III: 9p	o0981584	ZATU663						
ZATU664		PC25						
12B35								
2x IV: 1p; III: 1p	o0981585	ZATU664						
ZATU665		PC25						
12B36								
1x IV: 1p; III: 1p	o0981586	ZATU665						
ZATU666		PC25						
12B37								
1x IV: 1p	o0981587	ZATU666						

ZATU667 12B38		PC25						
1× IV: 1p; III: 1p	o0981588	ZATU667						
ZATU668 12B39		PC25						
1× IV: 1p	o0981589	ZATU668						
ZATU669 12B3A		PC25						
6× III: 3p/3u	o0981590	ZATU669						
ZATU670		PC25-bk						
1× IV: 1p; III: 1p	o0981591	ZATU670						
ZATU672 12B3B		PC25						
3× IV: 3p; III: 2p	o0981592	ZATU672						
ZATU674 12B3C		PC25						
1× IV: 1p	o0981593	ZATU674						
ZATU675~a 12B3D		PC25						
1× IV: 1p; III: 1p	o0981594	ZATU675						
ZATU675~b 12B3E		PC25						
4× IV: 2p; III: 4p	o0981595	ZATU675						
ZATU675~c 12B3F		PC25						
2× IV: 2p; III: 1p	o0981596	ZATU675						
ZATU675~d 12B40		PC25						
2× III: 2p	o0981597	ZATU675						
ZATU676~a 12B41		PC25						
8× III: 6p/2u	o0981598	ZATU676						
ZATU676~b 12B42		PC25						
7× III: 7p	o0981599	ZATU676						
ZATU677~a 12B43		PC25						
1× IV: 1p; III: 1p	o0981600	ZATU677						
ZATU677~b 12B44		PC25						
1× IV: 1p; III: 1p	o0981601	ZATU677						
ZATU678 12B45		PC25						
5× IV: 4p	o0981602	ZATU678						
ZATU679 12B46		PC25						
8× IV: 4p/2u; III: 4p	o0981603	ZATU679						
ZATU680~a1 12B47		PC25						
1× IV: 1p	o0981604	ZATU680						
ZATU680~a2 12B48		PC25						
1× IV: 1p	o0981605	ZATU680						

ZATU680~b 12B49		PC25	1 F21EA						
6× IV: 4p; III: 5p	o0981606	ZATU680		12B49		12B49			
ZATU680~d 12B4A		PC25							
1× IV: 1p	o0981607	ZATU680		12B4A			12B4A		
ZATU680~e 12B4B		PC25							
1× IV: 1p	o0981608	ZATU680		12B4B			12B4B		
ZATU681 12B4C		PC25							
10× IV: 1p; III: 9p	o0981609	ZATU681		12B4C		12B4C			
ZATU682 12B4D		PC25							
7× III: 4p/3u	o0981610	ZATU682		12B4D				12B4D	
ZATU683~a 12B4E		PC25							
1× IV: 1p	o0981611	ZATU683		12B4E			12B4E		
ZATU683~b 12B4F		PC25							
2× IV: 2p	o0981612	ZATU683		12B4F					
ZATU683@t		UNP							
CDL: ZATU683@t				F2499					
1× III: 1u	o0981613								
ZATU684 12B50		PC25							
2× III: 1p/1u	o0981614	ZATU684		12B50		12B50			
ZATU685 12B51		PC25							
1× IV: 1p	o0981615	ZATU685		12B51			12B51		
ZATU686~a 12B52		PC25							
40× IV: 1p/1u; III: 25p/14u	o0981616	ZATU686		12B52		12B52			
ZATU686~b 12B53		PC25							
14× III: 9p/5u	o0981617	ZATU686		12B53				12B53	
ZATU686~c 12B54		PC25							
2× III: 2p	o0981618	ZATU686		12B54		12B54			
ZATU687 12B55		PC25							
15× IV: 3p; III: 4p/9u	o0981619	ZATU687		12B55		12B55		12B55	
ZATU688~a 12B56		PC25							
4× IV: 4p	o0981620	ZATU688		12B56					
ZATU688~b 12B57		PC25							
1× IV: 1p; III: 1p	o0981621	ZATU688		12B57				12B57	
ZATU689 12B58		PC25							
3× IV: 3p; III: 3p	o0981622	ZATU689		12B58		12B58			

ZATU690 12B59		PC25							
2× IV: 1p/1u; III: 1p o0981623	ZATU690	12B59							
ZATU691 12B5A		PC25							
1× IV: 1p o0981624	ZATU691	12B5A							
ZATU692 12B5B		PC25							
1× IV: 1p; III: 1p o0981625	ZATU692	12B5B							
ZATU693 12B5C		PC25							
31× IV: 29p/1u; III: 25p o0981626	ZATU693	12B5C							
1× IV: 1p; III: 1p o0981627		12B5D							
ZATU693@t 12B5D		12B5D							
1× IV: 1p; III: 1p o0981627		12B5D							
ZATU694-a 12B5E		PC25							
3× IV: 3p; III: 1p o0981628	ZATU694	12B5E							
ZATU694-b 12B5F		PC25							
10× IV: 9p; III: 3p o0981629	ZATU694	12B5F							
ZATU694-c 12B60		PC25							
74× IV: 2p; III: 19p/53u o0981630	ZATU694	12B60							
16× IV: 14p; III: 5p o0981631	ZATU694	12B61							
ZATU694-d 12B61		PC25							
2× IV: 2p o0981632		12B62							
ZATU694-e		ZERO							
	o0981633	ZATU694	F2529						F2529
ZATU695 12B63		PC25							
5× IV: 4p; III: 1u o0981634	ZATU695	12B63							
ZATU696 12B64		PC25							
5× IV: 1p; III: 5p o0981635	ZATU696	12B64							

ZATU697~a 12B65		PC25	 						
34x IV: 9p; III: 20p/12u	o0981636	ZATU697							
ZATU697~b 12B66		PC25							
7x IV: 3p/2u; III: 2p/1u	o0981637	ZATU697							
ZATU697~c		UNP							
2x III: 2u	o0981638	ZATU697							
ZATU699~a		UNP							
1x IV: 1u	o0981639	ZATU699							
ZATU699~b 12B67		PC25							
1x IV: 1p	o0981640	ZATU699							
ZATU700 12B68		PC25							
2x IV: 1p; III: 1p	o0981641	ZATU700							
ZATU701 12B69		PC25							
1x IV: 1p	o0981642	ZATU701							
ZATU702 12B6A		PC25							
3x IV: 1p; III: 3p	o0981643	ZATU702							
ZATU703 12B6B		PC25							
21x IV: 3p; III: 18p/3u	o0981644	ZATU703							
ZATU704		PC25-bk							
3x IV: 2p; III: 1p	o0981645	ZATU704							
ZATU705 12B6C		PC25							
1x IV: 1p; III: 1p	o0981646	ZATU705							
ZATU706 12B6D		PC25							
2x IV: 2p	o0981647	ZATU706							
ZATU707~a 12B6E		PC25							
11x IV: 1u; III: 9p/1u	o0981648	ZATU707							
ZATU707~b 12B6F		PC25							
2x IV: 2p	o0981649	ZATU707							
ZATU708 12B70		PC25							
2x IV: 1p; III: 2p	o0981650	ZATU708							

ZATU709 12B71		PC25						
1x IV: 1p; III: 1p	o0981651	ZATU709						
ZATU710 12B72		PC25						
52x III: 46p/5u	o0981652	ZATU710						
ZATU711 12B73		PC25						
6x IV: 3p; III: 2p/1u	o0981653	ZATU711						
ZATU711xHI@g~a 12B74		PC25						
2x IV: 2p; III: 2p	o0981654	ZATU712						
ZATU711xX		PC25-bk						
1x IV: 1p; III: 1p	o0981655							
ZATU713 12B75		PC25						
7x IV: 7p	o0981656	ZATU713						
ZATU714 12B76		PC25						
40x IV: 2p/1u; III: 29p/10u	o0981657	ZATU714						
ZATU714.RU		PC25-sq						
1x IV: 1p; III: 1p	o0981658	ZATU716						
ZATU714xHI@g~a 12B77		PC25						
39x IV: 3p; III: 35p/3u	o0981659	ZATU715						
ZATU714xX		PC25-bk						
2x IV: 1p; III: 1u	o0981660							
ZATU717 12B78		PC25						
2x IV: 1p; III: 2p	o0981661	ZATU717						
ZATU718 12B79		PC25						
16x IV: 1p; III: 10p/5u	o0981662	ZATU718						
ZATU719 12B7A		PC25						
4x III: 1p/3u	o0981663	ZATU719						
ZATU720 12B7B		PC25						
20x IV: 19p/1u; III: 16p	o0981664	ZATU720						
ZATU721 12B7C		PC25						
2x IV: 2p; III: 2p	o0981665	ZATU721						

ZATU722 12B7D		PC25		12B7D			12B7D	12B7D		
3x IV: 2p; III: 1p	o0981666	ZATU722								
ZATU723 12B7E		PC25		12B7E			12B7E			12B7E
3x IV: 1p; III: 2p	o0981667	ZATU723								
ZATU724		PC25-bk		F249F			F249F			F249F
3x IV: 1p; III: 3p	o0981668	ZATU724								
ZATU725 12B7F		PC25		1 F21F6			F21F6			
18x IV: 1p; III: 16p/1u	o0981669	ZATU725		12B7F						
ZATU726-a 12B80		PC25		12B80			12B80		(b)	F21F7
1x IV: 1p	o0981670	ZATU726		1 F21F7						
ZATU726-c 12B81		PC25		12B81			12B81			
4x IV: 1p; III: 4p	o0981671	ZATU726								
ZATU726-d 12B82		PC25		12B82			12B82		12B82	
23x IV: 6p/1u; III: 18p/2u	o0981672	ZATU726								
ZATU727 12B83		PC25		12B83			12B83			
1x III: 1p	o0981673	ZATU727								
ZATU728 12B84		PC25		12B84						
9x III: 5p/4u	o0981674	ZATU728								
ZATU729 12B85		PC25		12B85			12B85			F21F8
7x IV: 6p; III: 6p	o0981675	ZATU729		1 F21F8						
ZATU730 12B86		PC25		12B86						
1x III: 1p	o0981676	ZATU730								
ZATU732 12B87		PC25		12B87		12B87				F21F9
8x III: 8p	o0981677	ZATU732		1 F21F9						
ZATU733		UNP		F24A0						
1x III: 1u	o0981678	ZATU733								
ZATU734 12B88		PC25		12B88			12B88			
1x IV: 1p	o0981679	ZATU734								
ZATU735-a 12B89		PC25		12B89				12B89	12B89	
8x III: 5p/3u	o0981680	ZATU735								

ZATU735~b 12B8A		PC25	 1 F21FA	 2 F21FB							
20x IV: 3p; III: 17p/3u	o0981681	ZATU735									
ZATU735~c 12B8B		PC25									
1x III: 1p	o0981682	ZATU735									
ZATU736~a 12B8C		PC25									
2x IV: 1p; III: 1p	o0981683	ZATU736									
ZATU736~b 12B8D		PC25									
1x IV: 1p; III: 1p	o0981684	ZATU736									
ZATU737 12B8E		PC25	 1 F21FC	 2 F21FD							
4x IV: 1p; III: 3p/1u	o0981685	ZATU737	 1 F21FC	 2 F21FD							
ZATU737~AB~a 12B8F		PC25									
1x III: 1p	o0981686	ZATU738									
ZATU737~BU~a 12B90		PC25									
1x III: 1p	o0981687										
ZATU737~BUR~a 12B91		PC25	 1 F21FE	 2 F21FE							
AKA: GABURRA 15x IV: 1p; III: 14p	o0981688	ZATU185	 1 F21FE	 2 F21FE							
ZATU737~DI 12B92		PC25	 1 F2202	 2 F2202							
26x IV: 1p; III: 23p/1u	o0981689	ZATU739	 1 F2202	 2 F2202							
ZATU737~E~a		UNP									
1x III: 1u	o0981690										
ZATU737~EN~a 12B93		PC25									
1x IV: 1p	o0981691	ZATU740									
ZATU737~EN~b 12B94		PC25									
1x IV: 1p	o0981692	ZATU740									
ZATU737~GAR 12B95		PC25	 1 F21FF	 2 F2200							
AKA: ZATU741 5x IV: 2u; III: 3p	o0981693	ZATU741	 1 F21FF	 2 F2200							

ZATU737xI		UNP						
1x III: 1u	o0981694							
ZATU737xNI~a@g	12B96	PC25						
1x III: 1p	o0981695							
ZATU737xNIMGIR	12B97	PC25						
2x IV: 1p; III: 1p	o0981696	ZATU742						
ZATU737xSAL	12B98	PC25						
33x IV: 1p/1u; III: 18p/13u	o0981697	ZATU743						
ZATU737xSU~a	12B99	PC25						
2x IV: 1p; III: 1p	o0981698	ZATU744						
ZATU737xŠE~a	12B9A	PC25						
1x IV: 1p; III: 1p	o0981699	ZATU745						
ZATU737xŠITA~a1	12B9B	PC25						
1x IV: 1p	o0981700							
ZATU737xŠITA~b1@g		EDI						
CDL: ZATU737xŠITA@g~a								
	o0981701	ZATU746						
ZATU737xU ₄	12B9C	PC25						
11x III: 9p/2u	o0981702	ZATU747						
ZATU737xUNUG~a	12B9D	PC25						
1x IV: 1p; III: 1p	o0981703	ZATU748						
ZATU737xX		PC25-bk						
14x III: 12p/2u	o0981704							
ZATU737@t×PAP~a		UNP						
1x	o0981705							
ZATU749~a	12B9E	PC25						
								
								
13x IV: 1p; III: 7p/5u	o0981706	ZATU749						
ZATU749~b	12B9F	PC25						
19x IV: 1p/1u; III: 10p/9u	o0981707	ZATU749						
ZATU749~c	12BA0	PC25						
13x IV: 1p; III: 11p/1u	o0981708	ZATU749						

ZATU750 12BA1		PC25	 1 F2205 2 F2206 12BA1 3 F2207 4 F2208 5 F2209						
15x IV: 4p/2u; III: 8p/2u		o0981709	ZATU750			F2208	F2205	F2208	F2209
ZATU751-a 12BA2		PC25	 12BA2 1 F220A			12BA2		12BA2	12BA2
41x IV: 1p; III: 35p/6u		o0981710	ZATU751						
ZATU751-b 12BA3		PC25	 12BA3 1 F220B			F220B			12BA3
5x III: 5p		o0981711	ZATU751						
ZATU751-c 12BA4		PC25	 12BA4						
1x III: 1p		o0981712							
ZATU752 12BA5		PC25	 1 F220C 12BA5			12BA5	F220C	12BA5	12BA5
129x IV: 14p/1u; III: 90p/30u		o0981713	ZATU752						
ZATU753 12BA6		PC25	 12BA6			12BA6	12BA6	12BA6	12BA6
231x IV: 22p/16u; III: 168p/37u		o0981714	ZATU753						
ZATU754 12BA7		PC25	 12BA7				12BA7		
3x IV: 3p; III: 1p		o0981715	ZATU754						
ZATU755-a 12BA8		PC25	 12BA8				12BA8		
2x IV: 2p; III: 2p		o0981716	ZATU755						
ZATU755-b 12BA9		PC25	 12BA9						
3x IV: 1p; III: 3p		o0981717	ZATU755						
ZATU756 12BAA		PC25	 1 F220D 12BAA						F220D
19x IV: 1u; III: 11p/7u		o0981718	ZATU756						

ZATU757 12BAB		PC25	 F220E 12BAB 						F220F
5× IV: 1u; III: 3p/2u o0981719 ZATU757									
ZATU758 12BAC		PC25	 12BAC		12BAC	12BAC			
26× IV: 18p/1u; III: 16p/1u o0981720 ZATU758									
ZATU759 12BAD		PC25	 F2210 12BAD	 12BAD			F2210 12BAD	12BAD	12BAD
47× IV: 8p/2u; III: 31p/8u o0981721 ZATU759									
ZATU759xKU ₆ ~a 12BAE		PC25	 12BAE		 12BAE				12BAE
32× IV: 9p/1u; III: 22p/6u o0981722 ZATU760									
ZATU759x(KU ₆ ~a+KU ₆ ~a) 12BAF		PC25	 12BAF						
1× III: 1p o0981723									
ZATU759xKU ₆ ~d		UNP							
1× IV: 1u; III: 1p o0981724 ZATU760			F24A3						
ZATU759xX		PC25-bk							
2× IV: 1p; III: 2p o0981725			F24A4						
ZATU759@t×X		PC25-bk							
1× III: 1p o0981726			F24A5						
ZATU761		UNP							
1× III: 1u o0981727 ZATU761			F24A6						
ZATU762-a 12BB0		PC25	 1 F2211 2 F2212 	 12BB0					
7× IV: 2p/2u; III: 5p o0981728 ZATU762									
ZATU762-a×NIM~a 12BB1		PC25	 12BB1				 12BB1		
2× IV: 1p/1u; III: 1p o0981729 ZATU763									
ZATU762-b 12BB2		PC25	 12BB2				 12BB2		
5× IV: 3p/1u; III: 3p o0981730 ZATU762									
ZATU762-b×AB~a 12BB3		PC25	 12BB3				 12BB3		
1× III: 1p o0981731 ZATU163									
ZATU764 12BB4		PC25	 12BB4				 12BB4		
21× IV: 4p/2u; III: 13p/3u o0981732 ZATU764									

ZATU765 12BB5		PC25		12BB5				
1× IV: 1p	o0981733	ZATU765		12BB5				
ZATU766 12BB6		PC25		12BB6				
1× IV: 1p; III: 1p	o0981734	ZATU766		12BB6				
ZATU767 12BB7		PC25		12BB7				
1× IV: 1p; III: 1p	o0981735	ZATU767		12BB7				
ZATU768		PC25-bk		F24A7				
1× IV: 1p	o0981736	ZATU768		F24A7				
ZATU769		PC25-bk		F24A8				
1× III: 1p	o0981737	ZATU769		F24A8				
ZATU771		PC25-bk		F24A9				
1× IV: 1p	o0981738	ZATU771		F24A9				
ZATU772 12BB8		PC25		12BB8				
1× III: 1p	o0981739	ZATU772		12BB8				
ZATU773~a 12BB9		PC25		12BB9				
50× IV: 1u; III: 39p/10u	o0981740	ZATU773		1 F2213				
ZATU773~b 12BBA		PC25		12BBA				
8× IV: 1p; III: 2p/3u	o0981741	ZATU773		1 F2214				
ZATU774 12BBB		PC25		12BBB				
1× III: 1p	o0981742	ZATU774		12BBB				
ZATU775 12BBC		PC25		12BBC				
1× III: 1p	o0981743	ZATU775		12BBC				
ZATU776 12BBD		PC25		12BBD				
20× IV: 3p; III: 13p/4u	o0981744	ZATU776		1 F2215				
ZATU777 12BEE		PC25		12BBD				
18× III: 15p/3u	o0981745	ZATU777		2 F2216				
ZATU778 12BBF		PC25		12BBD				
4× III: 2p/2u	o0981746	ZATU778		12BBD				
ZATU779		ZERO		F24AA				
	o0981747	ZATU779		F24AA				

ZATU780 12BC0		PC25							
2× IV: 2p; III: 1p	o0981748	ZATU780							
ZATU781 12BC1		PC25							
1× III: 1p	o0981749	ZATU781							
ZATU782 12BC2		PC25							
3× III: 3p	o0981750	ZATU782							
ZATU783 12BC3		PC25							
2× III: 1p/1u	o0981751	ZATU783							
ZATU784 12BC4		PC25							
1× III: 1p	o0981752	ZATU784							
ZATU785		PC25-bk							
1× III: 1p	o0981753	ZATU785							
ZATU786 12BC5		PC25							
9× IV: 1u; III: 5p/3u	o0981754	ZATU786							
ZATU787 12BC6		PC25							
1× III: 1p	o0981755	ZATU787							
ZATU788 12BC7		PC25							
27× III: 27p	o0981756	ZATU788							
ZATU789		ZERO							
	o0981757	ZATU789							
ZATU791 12BC8		PC25							
2× IV: 1u; III: 1p	o0981758	ZATU791							
ZATU792 12BC9		PC25							
1× III: 1p	o0981759	ZATU792							
ZATU795 12BCA		PC25							
23× III: 6p/17u	o0981760	ZATU795							
ZATU797 12BCB		PC25							
2× III: 1p/1u	o0981761	ZATU797							
ZATU798 12BCC		PC25							
1× III: 1p	o0981762	ZATU798							
ZATU799 12BCD		PC25							
3× III: 1p/2u	o0981763	ZATU799							
ZATU800 12BCE		PC25							
2× III: 2p	o0981764	ZATU800							
ZATU801 12BCF		PC25							
4× III: 4p	o0981765	ZATU801							

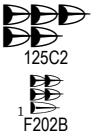
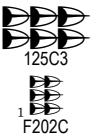
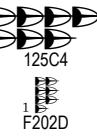
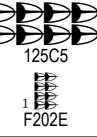
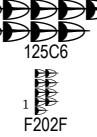
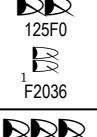
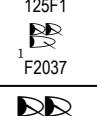
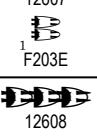
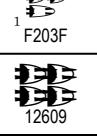
ZATU802 12BD0		PC25						
1× IV: 1p	o0981766	ZATU802		12BD0				
ZATU802-b 12BD1		PC25						
1× III: 1p	o0981767	ZATU802		12BD1				
ZATU803 12BD2		PC25						
1× IV: 1p	o0981768	ZATU803		12BD2				
ZATU804 12BD3		PC25						
1× IV: 1p; III: 1p	o0981769	ZATU804		12BD3				
ZATU805		UNP						
2× III: 2u	o0981770	ZATU805		F24AD				
ZATU806 12BD4		PC25						
1× III: 1p	o0981771	ZATU806		12BD4		12BD4		
ZATU807 12BD5		PC25						
1× IV: 1p; III: 1p	o0981772	ZATU807		12BD5				
ZATU808 12BD6		PC25						
1× III: 1p	o0981773	ZATU808		12BD6				
ZATU809 12BD7		PC25						
7× III: 6p	o0981774	ZATU809		12BD7				
ZATU810 12BD8		PC25						
1× III: 1p	o0981775	ZATU810		12BD8				
ZATU811 12BD9		PC25						
7× IV: 1p; III: 2p/4u	o0981776	ZATU811		12BD9			12BD9	
ZATU812 12BDA		PC25						
1× III: 1p	o0981777	ZATU812		12BDA			12BDA	
ZATU813 12BDB		PC25						
1× III: 1p	o0981778	ZATU813		12BDB				
ZATU814		UNP						
1× III: 1u	o0981779	ZATU814		F24AE				
ZATU815		UNP						
1× III: 1u	o0981780	ZATU815		F24AF				
ZATU817		PC25-bk						
1× IV: 1p; III: 1p	o0981781	ZATU817		F24B0			F24B0	
ZATU818		PC25-bk						
1× IV: 1p; III: 1p	o0981782	ZATU818		F24B1			F24B1	
ZATU819 12BDC		PC25						
7× III: 1p/6u	o0981783	ZATU819		12BDC				

ZATU820		UNP						
1× III: 1u	o0981784	ZATU820	F24B2					
ZATU821		UNP						
7× III: 7u	o0981785	ZATU821	F24B3					
ZATU822		UNP						
1× III: 1u	o0981786	ZATU822	F24B4					
ZATU823		UNP						
3× III: 3u	o0981787	ZATU823	F24B5					
ZATU824		UNP						
2× III: 2u	o0981788	ZATU824	F24B6					
ZATU825		UNP						
2× III: 2u	o0981789	ZATU825	F24B7					
ZATU826		UNP						
2× III: 2u	o0981790	ZATU826	F24B8					
ZATU829		UNP						
1× III: 1u	o0981791	ZATU829	F24B9					
ZATU831		UNP						
2× III: 2u	o0981792	ZATU831	F24BA					
ZATU831@g		UNP						
CDLI: ZATU831@g								
2× III: 2u	o0981793		F24BB					
ZATU832	12BDD	PC25						
3× III: 1p/2u	o0981794	ZATU832	12BDD					
ZATU833	12BDE	PC25						
1× IV: 1p; III: 1p	o0981795	ZATU833	12BDE					
ZATU834	12BDF	PC25						
1× IV: 1p	o0981796	ZATU834	12BDF					
ZATU835	12BE0	PC25						
1× III: 1p	o0981797	ZATU835	12BE0					
ZATU836	12BE1	PC25						
2× III: 1p/1u	o0981798	ZATU836	12BE1					
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 F221A					

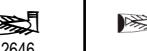
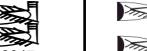
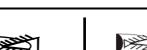
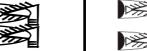
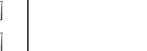
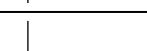
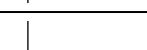
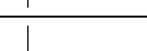
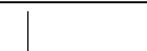
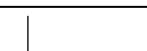
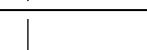
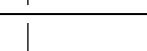
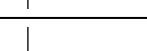
ZATU840		UNP						
1x III: 1u	o0981803	ZATU840	F24BF					
ZATU841		UNP						
2x III: 2u	o0981804	ZATU841	F24C0					
ZATU842		UNP						
1x	o0981805	ZATU842	F24C1					
ZATU843		UNP						
1x III: 1u	o0981806	ZATU843	F24C2					
ZATU844		UNP						
1x IV: 1u	o0981807	ZATU844	F24C3					
ZATU845		UNP						
1x III: 1u	o0981808	ZATU845	F24C4					
ZATU846		UNP						
1x III: 1u	o0981809	ZATU846	F24C5					
ZATU847 12BE2		PC25						
6x III: 2p/4u	o0981810	ZATU847	12BE2					
ZATU848		UNP						
1x III: 1u	o0981811	ZATU848	F24C6					
ZATU849		UNP						
2x III: 2u	o0981812	ZATU849	F24C7					
ZATU850 12BE3		PC25						
4x III: 4p	o0981813	ZATU850	12BE3					
ZATU851 12BE4		PC25						
1x III: 1p	o0981814	ZATU851	12BE4					F221B
1x III: 1u	o0981815	ZATU852	1					
ZATU853		UNP						
3x III: 3u	o0981816	ZATU853	F24C9					
ZATU854 12BE5		PC25						
1x III: 1p	o0981817	ZATU854	12BE5					
ZATU855		UNP						
1x III: 1u	o0981818	ZATU855	F24CA					
ZATU856		UNP						
1x III: 1u	o0981819	ZATU856	F2522					
ZATU857		UNP						
1x III: 1u	o0981820	ZATU857	F2524					
ZATU858 12BE6		PC25						
1x III: 1p	o0981821	ZATU858	12BE6					

ZATU859 12BE7		PC25							
1x III: 1p	o0981822	ZATU859							
2(LAGAB~a) 12BE8	o	PC25	o 12BE8	○ ○					
4x III: 4p	o0981823								
3(LAGAB~a) 12BE9	oo	PC25	oo 12BE9						
1x III: 1p	o0981824								
4(LAGAB~a) 12BEA	oo	PC25	oo 12BEA	○○ ○○					
2x III: 2p	o0981825								
5(LAGAB~a)		NUM		oo F2543					
6(LAGAB~a) 12BEB	oo oo	PC25	oo 12BEB	○○ ○○ ○○					
1x III: 1p	o0981827								
1(N01) 12971x IV: 1467p/317u; III: 9623p/2277u	o0981828	ACN	D 12550	D 12550					
3138x IV: 608p/168u; III: 1846p/763u	o0981829		DD 12551 B 1 F2000	DD 12551 B 1 F2000					
3(N01) 1630x IV: 340p/78u; III: 904p/438u	o0981830	ACN	DDD 12552 BB 1 F2001	DDD 12552 BB 1 F2001					
4(N01) 1151x IV: 240p/65u; III: 655p/269u	o0981831	ACN	BB 12553	BB 12553					
5(N01) 1326x IV: 263p/66u; III: 815p/267u	o0981832	ACN	BBB 12554 BB 1 F2002	BBB 12554 BB 1 F2002					
6(N01) 597x IV: 134p/42u; III: 328p/146u	o0981833	ACN	BBB 12555 BB 1 F2003	BBB 12555 BB 1 F2003					
7(N01) 379x IV: 86p/22u; III: 204p/98u	o0981834	ACN	BBBB 12556 BB 1 F2004	BBBB 12556 BB 1 F2004					
8(N01) 364x IV: 66p/29u; III: 217p/80u	o0981835	ACN	BBBB 12557 BB 1 F2005	BBBB 12557 BB 1 F2005					
9(N01) 247x IV: 57p/15u; III: 127p/62u	o0981836	ACN	BBBBB 12558 BBB 1 F2006	BBBBB 12558 BBB 1 F2006					
10(N01)		PC25		BBB F00DA					
2x III: 2p	o0981837								

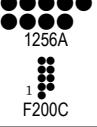
1(N01@f)	ACN							
11× IV: 1p; III: 11p	o0981838							
2(N01@f)	ACN							
3× III: 3p	o0981839							
3(N01@f)	ACN							
1×	o0981840							
4(N01@f)	ACN							
1×	o0981841							
5(N01@f)	ACN							
1× III: 1p	o0981842							
6(N01@f)	ACN							
1×	o0981843							
7(N01@f)	ACN							
	o0981844							
8(N01@f)	ACN							
1×	o0981845							
9(N01@f)	ACN							
	o0981846							
1(N01@r)	ACN							
CDL: 1(N01@r)								
2× IV: 1p; III: 1p	o0981847							
1(N02)	ACN							
165× IV: 45p/10u; III: 99p/38u	o0981848 ZATU606							
2(N02)	ACN							
99× IV: 28p/20u; III: 49p/10u	o0981849							
3(N02)	ACN							
44× IV: 16p/1u; III: 21p/9u	o0981850							
4(N02)	ACN							
30× IV: 3p/4u; III: 22p/1u	o0981851							

5(N02)		ACN							
24× IV: 8p/1u; III: 7p/9u	o0981852								
6(N02)		ACN							
15× IV: 3p/1u; III: 12p/1u	o0981853								
7(N02)		ACN							
5× IV: 2p/1u; III: 2p	o0981854								
8(N02)		ACN							
5× IV: 3p; III: 4p	o0981855								
9(N02)		ACN							
5× IV: 2p/1u; III: 2p/1u	o0981856								
1(N03)		ACN							
68× IV: 2p/1u; III: 63p/2u	o0981857								
2(N03)		ACN							
40× IV: 2p; III: 36p/2u	o0981858								
3(N03)		ACN							
34× IV: 1p; III: 32p/1u	o0981859								
4(N03)		ACN							
19× IV: 1p; III: 17p/2u	o0981860								
5(N03)		ACN							
8× III: 8p	o0981861								
1(N04)		ACN							
145× IV: 2p/1u; III: 120p/22u	o0981862	ZATU618							
2(N04)		ACN							
66× IV: 2p; III: 64p/1u	o0981863								
3(N04)		ACN							
58× IV: 1p/1u; III: 52p/4u	o0981864								
4(N04)		ACN							
36× IV: 1p; III: 32p/2u	o0981865								

5(N04)	ACN						
26× IV: 1u; III: 22p/3u	o0981866						
1(N04@f)	ACN						
	o0981867						
2(N04@f)	ACN						
	o0981868						
3(N04@f)	ACN						
	o0981869						
4(N04@f)	ACN						
	o0981870						
5(N04@f)	ACN						
	o0981871						
1(N05)	ACN						
104× IV: 10p/1u; III: 79p/11u	o0981872						
2(N05)	ACN						
62× IV: 7p/1u; III: 49p/6u	o0981873						
3(N05)	ACN						
42× IV: 4p; III: 32p/8u	o0981874						
4(N05)	ACN						
41× IV: 3p; III: 35p/5u	o0981875						
5(N05)	ACN						
29× IV: 2p; III: 22p/6u	o0981876						
1(N06)	ACN						
10× III: 6p/4u	o0981877						
2(N06)	ACN						
	o0981878						
3(N06)	ACN						
	o0981879						
4(N06)	ACN						
	o0981880						
5(N06)	ACN						
	o0981881						
6(N06)	ACN						
	o0981882						

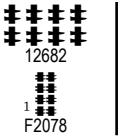
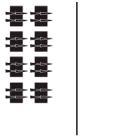
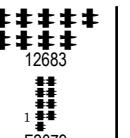
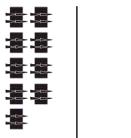
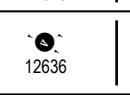
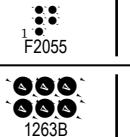
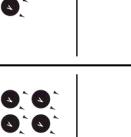
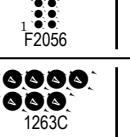
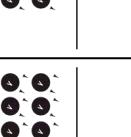
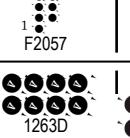
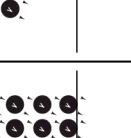
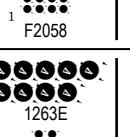
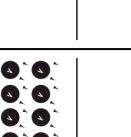
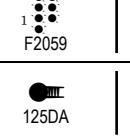
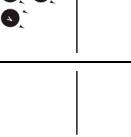
7(N06)	ACN						
	o0981883	125D7					
8(N06)	ACN						
	o0981884	125D8					
9(N06)	ACN						
	o0981885	125D9					
1(N07A)	ACN						
AKA: 1(N07~a) 15x IV: 15p; III: 15p	o0981886	12646					
2(N07A)	ACN						
AKA: 2(N07~a) 12x IV: 11p; III: 12p	o0981887	12647					
3(N07A)	ACN						
AKA: 3(N07~a) 9x IV: 9p; III: 8p	o0981888	12648					
1(N07B)	ACN						
AKA: 1(N07~b) 4x IV: 4p; III: 4p	o0981889	12649					
2(N07B)	ACN						
AKA: 2(N07~b) 3x IV: 3p; III: 3p	o0981890	1264A					
3(N07B)	ACN						
AKA: 3(N07~b) 3x IV: 2p/1u; III: 2p	o0981891	1264B					
1(N08)	ACN						
287x IV: 51p/5u; III: 180p/74u	o0981892	12559					
2(N08)	ACN						
35x IV: 7p; III: 25p/6u	o0981893	1255A					
3(N08)	ACN						
31x IV: 2p/1u; III: 19p/11u	o0981894	1255B					
4(N08)	ACN						
20x IV: 3p; III: 15p/3u	o0981895	1255C F2007					
5(N08)	ACN						
23x IV: 3p/1u; III: 14p/6u	o0981896	1255D					
6(N08)	ACN						
10x IV: 1p/1u; III: 8p/1u	o0981897	1255E					
7(N08)	ACN						
5x III: 4p/1u	o0981898	1255F					
8(N08)	ACN						
7x III: 7p	o0981899	12560					
9(N08)	ACN						
3x IV: 1p; III: 3p	o0981900	12561					
1(N08~b)	NUM						
1x III: 1u	o0981901	F00F5					

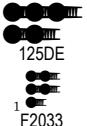
2(N08~b)		PC25						
4× III: 1p/3u	o0981902		F00F6	#	#			
3(N08~b)		NUM		#	#			
1× III: 1u	o0981903		F00F7	#	#			
4(N08~b)		NUM		#	#			
1× III: 1u	o0981904		F00F8	#	#			
4(N08~c)		NUM		#	#			
1× III: 1u	o0981905		F00F9	#	#			
1(N08~v)		NUM		#				
1× III: 1u	o0982197		F00FA					
1(N08@f)		ACN		#	#			
	o0981907		12655					
 1(N08@f)×1(N57) 		NUM		#	#			
	o0981908		F012C					
1(N09)		ACN		#	#			
18× IV: 18p; III: 18p	o0981909		12643					
1(N11)		ACN		#	#			
4× IV: 4p; III: 4p	o0981910		12644					
1(N12)		ACN		#	#			
1× IV: 1p; III: 1p	o0981911		12645					
1(N14)		ACN		#	#			
2594× IV: 478p/187u; III: 1617p/491u	o0981912	ZATU564	12562					
2(N14)		ACN		#	#			
1375× IV: 276p/91u; III: 812p/293u	o0981913		12563					
3(N14)		ACN		#	#			
807× IV: 147p/50u; III: 500p/151u	o0981914		12564					
4(N14)		ACN		#	#			
530× IV: 105p/29u; III: 321p/113u	o0981915		12565					
5(N14)		ACN		#	#			
386× IV: 32p/19u; III: 243p/77u	o0981916		12566					
6(N14)		ACN		#	#			
100× IV: 12p/3u; III: 65p/21u	o0981917		12567					
7(N14)		ACN		#	#			
79× IV: 5p; III: 56p/17u	o0981918		12568					
8(N14)		ACN		#	#			
72× IV: 5p; III: 63p/4u	o0981919		12569					
			1 F200B					

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

2(N15)	ACN							
8× IV: 1p; III: 5p/2u	o0981936		125C8					
3(N15)	ACN							
4× IV: 1p; III: 2p/1u	o0981937		125C9					
4(N15)	ACN							
1× III: 1u	o0981938		125CA					
5(N15)	ACN							
3× III: 3p	o0981939		125CB					
			F2030					
1(N16)	ACN							
9× IV: 1p; III: 8p/1u	o0981940		F00FB					
1(N17)	ACN							
1× III: 1p	o0981941		F00FC					
1(N18)	ACN							
19× IV: 3p/1u; III: 16p	o0981942		125F4					
2(N18)	ACN							
14× III: 13p/1u	o0981943		125F5					
3(N18)	ACN							
6× III: 6p	o0981944		125F6					
4(N18)	ACN							
2× III: 2p	o0981945		125F7					
5(N18)	ACN							
3× III: 3p	o0981946		125F8					
			F2039					
6(N18)	ACN							
2× IV: 1p; III: 1p	o0981947		125F9					
			F203A					
7(N18)	ACN							
1× III: 1p	o0981948		125FA					
			F203B					
8(N18)	ACN							
2× III: 2p	o0981949		125FB					
			F203C					
9(N18)	ACN							
2× III: 2p	o0981950		125FC					
			F203D					
1(N19)	ACN							
87× IV: 2p/1u; III: 78p/6u	o0981951		1260B					

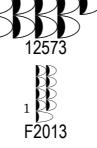
2(N19)		ACN							
81x IV: 4p/1u; III: 70p/6u	o0981952		1260C						
3(N19)		ACN							
52x IV: 2p; III: 47p/3u	o0981953		1260D						
4(N19)		ACN							
33x III: 29p/4u	o0981954		1260E						
5(N19)		ACN							
40x III: 34p/4u	o0981955		1260F 1 F2041						
6(N19)		ACN							
20x III: 18p/2u	o0981956		12610 1 F2042						
7(N19)		ACN							
22x IV: 2p; III: 19p/2u	o0981957		12611 1 F2043						
8(N19)		ACN							
16x III: 14p/2u	o0981958		12612 1 F2044						
9(N19)		ACN							
10x III: 9p/1u	o0981959		12613 1 F2045 2 F2046						
1(N19@f)		ACN							
	o0981960		1267B						
2(N19@f)		ACN							
	o0981961		1267C						
3(N19@f)		ACN							
	o0981962		1267D						
4(N19@f)		ACN							
	o0981963		1267E						
5(N19@f)		ACN							
	o0981964		1267F 1 F2075						
6(N19@f)		ACN							
	o0981965		12680 1 F2076						
7(N19@f)		ACN							
	o0981966		12681 1 F2077						

8(N19@f)	ACN						
	o0981967						
9(N19@f)	ACN						
	o0981968						
1(N20)	ACN						
62x IV: 11p; III: 52p/5u	o0981969						
2(N20)	ACN						
50x IV: 7p/1u; III: 34p/13u	o0981970						
3(N20)	ACN						
24x IV: 4p; III: 18p/3u	o0981971						
4(N20)	ACN						
17x IV: 2p; III: 11p/4u	o0981972						
5(N20)	ACN						
12x IV: 1p; III: 5p/6u	o0981973						
6(N20)	ACN						
9x III: 8p/1u	o0981974						
7(N20)	ACN						
4x IV: 1p; III: 4p	o0981975						
8(N20)	ACN						
6x III: 4p/2u	o0981976						
9(N20)	ACN						
5x IV: 1p; III: 4p	o0981977						
1(N21)	ACN						
	o0981978						
2(N21)	ACN						
5x III: 5p	o0981979						
3(N21)	ACN						
9x III: 8p/1u	o0981980						
4(N21)	ACN						
4x III: 4p	o0981981						

5(N21)		ACN							
2× III: 2p	o0981982								
6(N21)		PC25							
1× IV: 1p	o0981983								
1(N22)		ACN							
89× IV: 4p; III: 45p/41u	o0981984								
2(N22)		ACN							
56× IV: 2p; III: 31p/23u	o0981985								
1(N22~v)		PC25							
1× III: 1p	o0981986								
1(N22@f)		ACN							
	o0981987								
2(N22@f)		ACN							
	o0981988								
1(N23)		Pelm							
2× III: 1p/1u	o0981989								
2(N23)		Pelm							
1× III: 1p	o0981990								
3(N23)		Pelm							
1× III: 1p	o0981991								
5(N23)		Pelm							
1× IV: 1p	o0981992								
7(N23)		Pelm							
1× III: 1p	o0981993								
1(N24)		ACN							
AKA: 1(N24') 1(N24'')									
357× IV: 28p/11u; III: 297p/33u	o0981994								
2(N24)		NUM							
	o0981995								
4(N24)		NUM							
	o0981996								
6(N24)		NUM							
1× IV: 1u; III: 1p	o0981997								
1(N24@f)		PC25							
2× III: 2p	o0981998								
1(N24A)		ACN							
AKA: 1(N24~a)									
28× III: 28p	o0981999								
1(N24B)		ACN							
AKA: 1(N24~b)									
18× III: 15p/3u	o0982000								

1(N25)	ACN	 12623						
150× IV: 5p; III: 132p/16u	o0982001							
1(N26)	ACN	 125AB						
45× IV: 9p/1u; III: 32p/7u	o0982002	 F2026						
1(N26B)	ACN	 125FF						
AKA: 1(N26~b) 1× III: 1p	o0982003							
1(N27)	ACN	 12624						
13× IV: 1p; III: 12p	o0982004	 F2051						
1(N28)	ACN	 125AC						
91× IV: 17p/1u; III: 79p/6u	o0982005							
1(N28B)	ACN	 12600						
AKA: 1(N28~b) 2× III: 2p	o0982006							
1(N28C)	ACN	 12625						
AKA: 1(N28~c) 38× IV: 1p; III: 32p/6u	o0982007							
1(N29A)	ACN	 125AD						
AKA: 1(N29) 1(N29~a) 57× IV: 4p; III: 53p/2u	o0982008	 F2027						
2(N29A)	PC25	 F0107						
AKA: 2(N29~a) 4× III: 4p	o0982009							
1(N29AB)	ACN	 12601						
AKA: 1(N29A~b) 1(N29A~b) 1× III: 1p	o0982010							
2(N29AB)	PC25	 F010A						
AKA: 2(N29A~b) 2× III: 2p	o0982011							
1(N29AC)	ACN	 12626						
AKA: 1(N29A~c) 3× III: 2p/1u	o0982012							
1(N29B)	ACN	 125AE						
AKA: 1(N29~b) 6× IV: 2p; III: 5p	o0982013							
1(N30A)	ACN	 125AF						
AKA: 1(N30~a) 52× IV: 3p; III: 49p	o0982014	 F2028						
1(N30AC)	ACN	 12627						
AKA: 1(N30A~c) 4× III: 4p	o0982015							
1(N30B)	PC25	 F010B						
AKA: 1(N30~b) 2× III: 2p	o0982016							
1(N30C)	ACN	 125B0						
AKA: 1(N30~c) 47× IV: 1p; III: 44p/3u	o0982017							

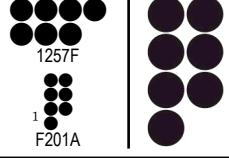
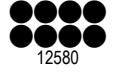
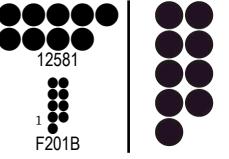
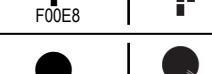
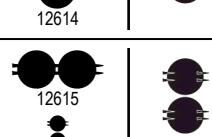
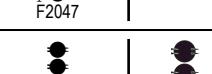
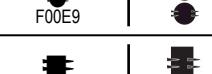
1(N30CA) AKA: 1(N30C~a) 1(N30C~a) 1x III: 1p	PC25 o0982018	 F2537					
1(N30CB) o0982019	NUM	 F010C					
1(N30CC) AKA: 1(N30C~c) 1x III: 1u	ACN o0982020	 12628					
1(N30D) AKA: 1(N30~d) 2x IV: 2p; III: 2p	ACN o0982021	 125B1					
1(N30E) AKA: 1(N30~e) 1x III: 1p	ACN o0982022	 125B2					
1(N31) 3x IV: 1p; III: 3p	ACN o0982023	 125B3					
1(N32) 3x IV: 2p/1u; III: 2p	ACN o0982024	 125B4					
1(N33) 1x IV: 1p; III: 1p	ACN o0982025	 125B5					
1(N34) 1020x IV: 243p/94u; III: 597p/179u	ACN o0982026	 1256B					
 1(N34)×1(N58) 1x III: 1p	PC25 o0982027	 F012D					
2(N34) 344x IV: 77p/17u; III: 212p/65u	ACN o0982028	 1256C  F200D	 				
3(N34) 175x IV: 39p/15u; III: 95p/38u	ACN o0982029	 1256D  F200E	 				
4(N34) 109x IV: 26p/10u; III: 67p/19u	ACN o0982030	 1256E					
5(N34) 112x IV: 22p/9u; III: 61p/19u	ACN o0982031	 1256F  F200F	 				
6(N34) 54x IV: 11p/5u; III: 32p/13u	ACN o0982032	 12570  F2010	 				
7(N34) 28x IV: 5p/4u; III: 16p/7u	ACN o0982033	 12571  F2011	 				

8(N34)	ACN							
24x IV: 7p/4u; III: 9p/10u	o0982034							
9(N34)	ACN							
14x IV: 4p/1u; III: 12p/1u	o0982035							
1(N34@f)	ACN							
1x IV: 1p; III: 1p	o0982036							
2(N34@f)	ACN							
	o0982037							
3(N34@f)	ACN							
	o0982038							
4(N34@f)	ACN							
	o0982039							
5(N34@f)	ACN							
	o0982040							
6(N34@f)	ACN							
	o0982041							
7(N34@f)	ACN							
1x IV: 1p; III: 1p	o0982042							
8(N34@f)	ACN							
	o0982043							
9(N34@f)	ACN							
	o0982044							
1(N34@f@t)	ACN							
CDL: 1(N34@f@t)	o0982045							
1(N35)	ACN							
5x IV: 2p; III: 3p/1u	o0982046							
2(N35)	ACN							
	o0982047							
1x III: 1p								

3(N35)	ACN						
	o0982048	125CE					
4(N35)	ACN						
	o0982049	125CF					
5(N35)	ACN						
		125D0					
							
1x III: 1p	o0982050	F2032					
1(N36)	ACN						
43x IV: 4p; III: 33p/9u	o0982051	12616					
2(N36)	ACN						
		12617					
							
10x IV: 4p; III: 8p/1u	o0982052	F2048					
3(N36)	ACN						
		12618					
							
7x IV: 1p; III: 5p/2u	o0982053	12618					
4(N36)	ACN						
3x IV: 1p; III: 2p	o0982054	12619					
5(N36)	ACN						
		1261A					
							
1x IV: 1p; III: 1p	o0982055	F204A					
6(N36)	ACN						
		1261B					
							
2x III: 2u	o0982056	F204B					
7(N36)	ACN						
		1261C					
							
	o0982057	F204C					
8(N36)	ACN						
		1261D					
							
	o0982058	F204D					
9(N36)	ACN						
		1261E					
							
2x III: 2p	o0982059	F204E					
1(N36@f)	ACN						
	o0982060	12686					
1(N37)	ACN						
		12641					
6x IV: 1u; III: 4p/1u	o0982061						

2(N37)	ACN							
1x III: 1p o0982062								
1(N38)	ACN							
30x IV: 4p/1u; III: 27p/1u o0982063								
1(N39A)	ACN							
AKA: 1(N39~a) 211x IV: 7p/4u; III: 181p/18u o0982064								
2(N39A)	ACN							
AKA: 2(N39~a) 189x IV: 2p; III: 170p/17u o0982065								
3(N39A)	ACN							
AKA: 3(N39~a) 89x IV: 2p/1u; III: 77p/10u o0982066								
4(N39A)	ACN							
AKA: 4(N39~a) 55x III: 53p/2u o0982067								
1(N39B)	ACN							
AKA: 1(N39~b) 14x IV: 9p/4u; III: 8p o0982068								
2(N39B)	ACN							
AKA: 2(N39~b) 11x IV: 5p/3u; III: 3p o0982069								
3(N39B)	ACN							
AKA: 3(N39~b) 5x IV: 3p/1u; III: 2p o0982070								
4(N39B)	ACN							
AKA: 4(N39~b) 8x IV: 4p/1u; III: 1p o0982071								
1(N40)	ACN							
40x III: 39p/1u o0982072								
2(N40)	ACN							
36x IV: 1p; III: 35p o0982073								
3(N40)	ACN							
27x III: 26p o0982074								
4(N40)	ACN							
16x III: 16p o0982075								
1(N41)	ACN							
24x IV: 1p; III: 24p o0982076								
2(N41)	ACN							
27x III: 27p o0982077								
3(N41)	ACN							
20x III: 20p o0982078								
4(N41)	ACN							
17x III: 16p/1u o0982079								

1(N42A)		ACN						
AKA: 1(N42~a) 130× IV: 2p/1u; III: 117p/12u	o0982080		12629					
2(N42A)		ACN						
AKA: 2(N42~a) 89× IV: 1p; III: 78p/6u	o0982081		1262A					
3(N42A)		ACN						
AKA: 3(N42~a) 52× IV: 1p; III: 40p/12u	o0982082		1262B					
4(N42A)		ACN						
AKA: 4(N42~a) 25× IV: 5p; III: 21p/2u	o0982083		1262C					
1(N42B)		ACN						
	o0982084		1262D					
2(N42B)		ACN						
AKA: 2(N42~b) 3× IV: 3p; III: 1p	o0982085		1262E					
3(N42B)		ACN						
	o0982086		1262F					
4(N42B)		ACN						
	o0982087		12630					
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					
1(N45)		ACN						
323× IV: 25p/5u; III: 226p/60u	o0982091		12579					
2(N45)		ACN						
137× IV: 8p/3u; III: 92p/32u	o0982092		1257A					
								
3(N45)		ACN						
13× IV: 2p; III: 7p/4u	o0982093		1257B					
4(N45)		ACN						
4× III: 4u	o0982094		1257C					
5(N45)		ACN						
6× III: 3p/3u	o0982095		1257D					
								
6(N45)		ACN						
4× III: 3p/1u	o0982096		1257E					
								

7(N45)		ACN						
2× III: 2u	o0982097							
8(N45)		ACN						
	o0982098							
9(N45)		ACN						
1× III: 1p	o0982099							
1(N45@f)		ACN						
	o0982100							
2(N45@f)		ACN						
	o0982101							
3(N45@f)		OOR						
	o0982102							
4(N45@f)		OOR						
	o0982103							
5(N45@f)		OOR						
	o0982104							
6(N45@f)		OOR						
	o0982105							
7(N45@f)		OOR						
	o0982106							
8(N45@f)		OOR						
	o0982107							
9(N45@f)		OOR						
	o0982108							
1(N45A) AKA: 1(N45~a)		ACN						
1× III: 1p	o0982109							
1(N46) 99× IV: 5p; III: 76p/22u		ACN						
	o0982110							
2(N46)		ACN						
40× IV: 2p; III: 34p/6u	o0982111							
3(N46)		PC25						
1× III: 1p	o0982112							
1(N46@f)		ACN						
	o0982113							

2(N46@f)	ACN	 12685						
	o0982114							
1(N47)	ACN	 1263F						
15x IV: 4p/1u; III: 11p	o0982115							
2(N47)	ACN	 12640  						
11x IV: 2p; III: 8p/1u	o0982116							
3(N47)	OOR							
1x IV: 1u	o0982117							
1(N48)	ACN	 12574						
105x IV: 33p/9u; III: 54p/20u	o0982118							
2(N48)	ACN	 12575  						
45x IV: 11p/10u; III: 23p/4u	o0982119							
3(N48)	ACN	 12576  						
17x IV: 3p/1u; III: 10p/5u	o0982120							
4(N48)	ACN	 12577						
13x IV: 2u; III: 7p/4u	o0982121							
5(N48)	ACN	 12578  						
4x IV: 3u; III: 1u	o0982122							
6(N48)	OOR							
2x IV: 2u	o0982123							
7(N48)	OOR							
1x IV: 1u	o0982124							
1(N48@f)	NUM	 F010F						
	o0982125							
1(N49)	ACN	 1261F						
8x IV: 1p; III: 6p/1u	o0982126							
2(N49)	ACN	 12620  						
3x IV: 1p; III: 2p/1u	o0982127							
3(N49)	ACN	 12621  						
4x IV: 1p; III: 4p	o0982128							
4(N49)	ACN	 12622						
2x III: 1p/1u	o0982129							

5(N49)	OOR						
	o0982130						
1(N50)	ACN						
82× IV: 1u; III: 42p/36u	o0982131	12582	12582				
2(N50)	ACN						
35× IV: 3p/1u; III: 19p/13u	o0982132	12583	12583				
			1 F201C				
3(N50)	ACN						
22× IV: 1p; III: 16p/6u	o0982133	12584	12584				
4(N50)	ACN						
23× IV: 1p; III: 15p/8u	o0982134	12585	12585				
5(N50)	ACN						
9× III: 5p/3u	o0982135	12586	12586				
			1 F201D				
1(N51)	ACN						
107× IV: 34p/14u; III: 51p/15u	o0982136	1259A	1259A				
2(N51)	ACN						
46× IV: 10p/7u; III: 23p/8u	o0982137	1259B	1259B				
			1 F201E				
3(N51)	ACN						
17× IV: 5p/2u; III: 10p/2u	o0982138	1259C	1259C				
4(N51)	ACN						
11× IV: 2p; III: 6p/4u	o0982139	1259D	1259D				
5(N51)	ACN						
18× IV: 2p/2u; III: 9p/6u	o0982140	1259E	1259E				
			1 F201F				
6(N51)	ACN						
6× IV: 1u; III: 2p/3u	o0982141	1259F	1259F				
			1 F2020				
7(N51)	ACN						
2× IV: 1p; III: 1p	o0982142	125A0	125A0				
			1 F2021				
8(N51)	ACN						
2× IV: 1p; III: 2p	o0982143	125A1	125A1				
			1 F2022				

9(N51)	ACN							
	o0982144		125A2					
1(N51@f)	ACN							
	o0982145		1266C					
2(N51@f)	ACN							
	o0982146		1266D					
			1					
3(N51@f)	ACN							
	o0982147		1266E					
4(N51@f)	ACN							
	o0982148		1266F					
5(N51@f)	ACN							
	o0982149		12670					
			1					
6(N51@f)	ACN							
	o0982150		12671					
			1					
7(N51@f)	ACN							
	o0982151		12672					
			1					
8(N51@f)	ACN							
	o0982152		12673					
			1					
9(N51@f)	ACN							
	o0982153		12674					
			1					
1(N52) 27x IV: 1p/2u; III: 20p/4u	ACN							
	o0982154		125E0					
2(N52)	ACN							
10x III: 10p	o0982155		125E1					
			1					
3(N52)	ACN							
	o0982156		125E2					
4(N52)	ACN							
	o0982157		125E3					

5(N52)		ACN						
1× IV: 1p; III: 1p	o0982158							
6(N52)		ACN						
	o0982159							
7(N52)		ACN						
	o0982160							
8(N52)		ACN						
	o0982161							
9(N52)		ACN						
	o0982162							
3(N53)		PC25						
1× IV: 1p	o0982163							
1(N54)		ACN						
18× IV: 7p/1u; III: 4p/7u	o0982164							
2(N54)		ACN						
4× IV: 3p; III: 3p	o0982165							
3(N54)		ACN						
3× IV: 1p; III: 2p	o0982166							
4(N54)		ACN						
	o0982167							
5(N54)		ACN						
3× III: 3p	o0982168							
1(N55)		PC25						
1× IV: 1p	o0982169							
1(N56)		ACN						
	o0982170							
2(N56)		ACN						
1× III: 1p	o0982171							
1(N57) 12BEC AKA: AŠ 507×		PC25	—	—				
IV: 71p/19u; III: 296p/139u	o0982172	ZATU037		12BEC				
2(N57) 12BED 161×	=	PC25	==	12BED	==			
IV: 15p/2u; III: 116p/35u	o0982173	ZATU546	1	F2224				

3(N57) 12BEE 551x IV: 23p/9u; III: 380p/139u	≡	PC25 o0982174 ZATU146	≡ 12BEE	≡				
4(N57) 12BEF 46x IV: 4p/1u; III: 36p/7u	≡	PC25 o0982175	≡ 12BEF	≡				
5(N57) 12BF0 62x IV: 6p; III: 51p/8u	≡	PC25 o0982176	≡ 12BF0	≡≡				
6(N57) 12BF1 21x IV: 2p; III: 16p/3u	≡≡	PC25 o0982177	≡≡ 12BF1 ≡ F2225	≡≡				
7(N57) 12BF2 9x IV: 1p; III: 7p	≡≡	PC25 o0982178	≡≡ 12BF2 ≡ F2226	≡≡				
8(N57) 12BF3 5x III: 3p/1u	≡≡	PC25 o0982179	≡≡ 12BF3	≡≡				
9(N57) 12BF4 2x III: 2p	≡≡	PC25 o0982180	≡≡ 12BF4	≡≡				
10(N57) 12BF5 1x III: 1p	≡≡	PC25 o0982181	≡≡ 12BF5	≡≡				
1(N58) 12BF6 189x AKA: DIŠ IV: 36p/16u; III: 118p/36u		PC25 o0982182 ZATU081	 12BF6					
2(N58) 12BF7 11x IV: 4p/1u; III: 6p/2u		PC25 o0982183	 12BF7					
3(N58) 12BF8 9x IV: 4p; III: 4p/3u		PC25 o0982184	 12BF8					
4(N58) 12BF9 4x IV: 2u; III: 1p/1u		PC25 o0982185	 12BF9					
5(N58) 12BFA 2x IV: 2u		PC25 o0982186	 12BFA					
8(N58) 12BFB 1x III: 1u		PC25 o0982187	 12BFB					
9(N58) 12BFC 1x III: 1p		PC25 o0982188	 12BFC					
10(N58) 12BFD 2x III: 2p		PC25 o0982189	 12BFD					

12(N58) 12BFE		PC25						
1× III: 1p	o0982190							
1(N58@t) 12BFF		PC25						
AKA: 1(N58)@t CDL: 1(N58@t) 2× IV: 1p; III: 1p	o0982191							
1(N59)		PC25						
1× III: 1p	o0982192		F0124					
2(N59)		PC25						
1× III: 1p	o0982193		F0125					
3(N59)		PC25						
18× III: 11p/7u	o0982194		F0126					
4(N59)		PC25						
3× III: 2p/1u	o0982195		F0127					
6(N59)		PC25						
3× III: 3p	o0982196		F0128					
7(N59)		PC25						
1× III: 1p	o0981906		F2536					
1(N60)		ACN						
4× III: 4p	o0982198		125E9					
3(N61)		PC25						
1× III: 1p	o0982199		F0129					
4(N62)		PC25						
1× III: 1p	o0982200		F012A					
1(N63)		NUM						
2× III: 2u	o0982201		F012B					
1(N57).AB ₂		UNP						
1× III: 1u	o0982202		F2290					
2(N57).AB ₂		PC25-sq						
1× IV: 1p; III: 1p	o0982203	ZATU014	F2291		F2291			
3(N57).AMAR		PC25-sq						
2× III: 1p/1u	o0982204		F2292					
4(N57).AMAR		PC25-sq						
1× III: 1p	o0982205		F2293					
3(N57).AZ		PC25-sq						
3× III: 3p	o0982206		12BEE					
3(N57).BARxUŠ-a		ZERO						
	o0982207		F2294					
3(N57).BARA ₃		UNP						
1× III: 1u	o0982208		F2295					
2(N57).BIR ₃ -a		PC25-sq						
1× III: 1p	o0982209		F2296					

1(N57).BU ₃ 1× III: 1p o0982210	PC25-sq F2297						
1(N57).E _{2~a} o0982211	ZERO F2297						
3(N57).E _{2~b} 1× III: 1u o0982212	UNP F2221 1 F2222						
3(N57).EN ₂ 6× III: 6p o0982213	PC25-sq 12BEE						
X(N57).GAR AKA: N(N57).GAR CDLI: x(N57).GAR 1× III: 1p o0982214	PC25-sq F24CB					F24CB	
3(N57).GAR 2× III: 2p o0982215	PC25-sq F2298					F2298	
4(N57).GAR 5× III: 5p o0982216	PC25-sq F2299					F2299	
5(N57).GAR 8× III: 8p o0982217	PC25-sq F229A					F229A	
6(N57).GAR 4× III: 3p/1u o0982218	PC25-sq F229B					F229B	
7(N57).GAR 1× o0982219	PC25-sq 12BF2						
4(N57).KU _{3~a} 11× III: 11p o0982220	PC25-sq F229D					F229D	
5(N57).KU _{3~a} 4× III: 4p o0982221	PC25-sq F229E					F229E	
6(N57).KU _{3~a} 2× III: 2p o0982222	PC25-sq F229F					F229F	
2(N57).KU _{6~a} 1× III: 1p o0982223	PC25-sq F22A0						
1(N57).MUŠEN AKA: MUŠEN×1(N57) CDLI: MUŠEN×1(N57) 5× III: 5p o0982224	PC25-sq F22A2 12BEC						
2(N57).MUŠEN AKA: MUŠEN×2(N57) CDLI: MUŠEN×2(N57) 27× IV: 1p; III: 26p/1u o0982225	PC25-sq F22A3 12BED					F22A3	
3(N57).MUŠEN AKA: MUŠEN×3(N57) CDLI: MUŠEN×3(N57) 1× III: 1p o0982226	PC25-sq F22A4					F22A4	

3(N57).NUNUZ~a1	PC25-sq							
23× III: 20p/3u	o0982227	ZATU424						
3(N57).NUNUZ~c	PC25-sq							
2× III: 1p/1u	o0982228	ZATU424						
3(N57).PIRIG~b1	PC25-sq							
35× IV: 3p/1u; III: 25p/8u	o0982229	ZATU429						
3(N57).SANGA~a	PC25-sq							
1× III: 1p	o0982230							
3(N57).SI	PC25-sq							
2× III: 2p	o0982231							
1(N57).SIG	PC25-sq							
AKA: SIG×1(N57) CDLI: SIG×1(N57)								
1× IV: 1p	o0982232							
2(N57).SU~a	UNP							
1× IV: 1u	o0982233							
1(N57).ŠAH₂~a	PC25-sq							
4× III: 4p	o0982234							
1(N57).ŠUBUR	PC25-sq							
40× IV: 8p/1u; III: 27p/10u	o0982235	ZATU540	¹ 					
2(N57).ŠUBUR	PC25-sq							
2× III: 2p	o0982236							
3(N57).ŠUBUR	PC25-sq							
3× III: 3p	o0982237	ZATU540						
3(N57).UDU~a	ZERO							
	o0982238	ZATU577						
2(N57).UDUNITA~a	ZERO							
	o0982239							
3(N57).UDUNITA~a	ZERO							
	o0982240							

B ZATU-PCSL Concordance

ZATU001	A	ZATU010	AB~a×ZATU659	ZATU015	ABGAL
ZATU002	A×EN~a	ZATU011	AB~a@g	ZATU016	ABRIG
ZATU003	A×ŠUBUR	ZATU012	AB₂	ZATU017	ABZU
ZATU004	A×1(N14)	ZATU013	AB₂×2(N14)	ZATU018	AD~a; AD~b; AD~c
ZATU005	A×ZATU672	ZATU014	2(N57).AB₂	ZATU019	ADAB
ZATU006	A₂	ZATU014a	ZATU gives 2(N57)+AB₂ and 3(N57)+AB₂ ; Corpus has 3(N57).AB₂ / 4(N57).AB₂ in ATU 1, 610 = P005961 ii 5-6 read 3(N57) AB₂ 4(N57) AB₂ in CDLI.	ZATU020	ADDA
ZATU007	AB~a; AB~b			ZATU021	NINDA₂×(1(N06).HI@g~a)
ZATU008	AB~b×A			ZATU022	AGAR₂
ZATU009	AB~a×AŠ₂			ZATU023	AK~a; AK~b

ZATU024	AL	ZATU055	BIR ₃ ~a; BIR ₃ ~b; BIR ₃ ~c	ZATU086	DUB~a; DUB~b; DUB~c; DUB~d; DUB~e; DUB~f; DUB~h
ZATU025	ALAN~a; ALAN~b; ALAN~c; ALAN~d; ALAN~e	ZATU056	BU~a; BU~b	ZATU087	DUB@n~ax1(N58)~a ; DUB@n~ax1(N58)~b ; DUB@n~bx1(N58)~a
ZATU026	ALIM	ZATU057	BU~a×A	ZATU088	DUG~a; DUG~b; DUG~c; DUG~d
ZATU027	AM~a; AM~b	ZATU058	(BU~a&BU~a).NA ₂ ~a ; (BU~a&BU~a).NA ₂ ~b)	ZATU089	DUG~b×AB ₂
ZATU028	AMA~a; AMA~b	ZATU059	BU~a+DU ₆ ~a	ZATU090	DUG~b×ANŠE~b ; DUG~b×ANŠE~d
ZATU029	AMAR	ZATU060	BU ₃	ZATU091	DUG~a×1(N57) ; DUG~b×1(N57) ; DUG~c×1(N57)
ZATU030	AMAR×TAR~c	ZATU061	BULUG	ZATU092	DUG~b×(1(N57).KU ₃ ~a)
ZATU031	AN	ZATU062	BULUG ₃	ZATU093	
ZATU032	ANŠE~a; ANŠE~b; ANŠE~c; ANŠE~e; ANŠE~f	ZATU063	BUR~a; BUR~b; BUR~c; BUR~d	ZATU094	DUG~b×BALA~a
ZATU033	APIN~a; APIN~b; APIN~c	ZATU064	BUR ₂	ZATU095	DUG~b×BIR ₃ ~c
ZATU034	ARARMA ₂ ~a; ARARMA ₂ ~b	ZATU065	DA~a; DA~b; DA~c; DA~d	ZATU096	DUG~b×DIN
ZATU035	ARATTA	ZATU066	DAH	ZATU097	DUG~b×GA~a ; DUG~b×GA~b
ZATU036	ASAR	ZATU067	DAM	ZATU098	DUG~b×GEŠTU~a ; DUG~b×GEŠTU~b
ZATU037	– 1(N57)	ZATU068	DANNA	ZATU099	DUG~b×GI ₆
ZATU038	AZ	ZATU069	DAR~a; DAR~b; DAR~c; DAR~d	ZATU100	DUG~b×GIŠ
ZATU039	AZU	ZATU070	DARA ₃ ~a; DARA ₃ ~b; DARA ₃ ~c; DARA ₃ ~d	ZATU101	DUG~b×HI
ZATU040	BA	ZATU071	DARA ₃ ~c×KAR ₂ ; DARA ₃ ~d×KAR ₂ ~b	ZATU102	DUG~b×HI@g~a
ZATU041	BAD	ZATU072	DARA ₃ ~c×(KAR ₂ .ŠE~a) ; DARA ₃ ~d×(KAR ₂ .ŠE~a)	ZATU103	DUG~a×KASKALI ;
ZATU042	BAD&BAD	ZATU073	DARA ₄ ~a1; DARA ₄ ~a2; DARA ₄ ~a3; DARA ₄ ~b; DARA ₄ ~c; DARA ₄ ~c1; DARA ₄ ~c2; DARA ₄ ~c3; DARA ₄ ~c4; DARA ₄ ~c5; DARA ₄ ~d	ZATU104	DUG~a×KU ₆ ~a ; DUG~b×KU ₆ ~a
ZATU043	1(N58).BAD ; (1(N58).BAD)~b	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.	ZATU105	DUG~b×KUR~a ; DUG~b×KUR~b
ZATU044	BAD ₃ ~a; BAD ₃ ~b1; BAD ₃ ~b2	ZATU075	DI	ZATU106	DUG~a×LAM~b ; DUG~b×LAM~a
ZATU045	BAHAR ₂ ~a; BAHAR ₂ ~b; BAHAR ₂ ~c	ZATU076	DIB	ZATU107	DUG~b×KUR@g~a
ZATU046	BALA~a; BALA~b	ZATU077	DILMUN	ZATU108	DUG~b×MAŠ
ZATU047	BALAG	ZATU078	DIM~a; DIM~b; DIM~c	ZATU109	DUG~a×NAGA~a ; DUG~b×NAGA~a
ZATU048	BAN~a; BAN~b	ZATU079	DIN	ZATU110	DUG~b×SA~a
ZATU049	BANSUR~a; BANSUR~b1; BANSUR~b2; BANSUR~c	ZATU080	DIN@t	ZATU111	DUG~b×(SA~a.GI)
ZATU050	BAPPIR~a; BAPPIR~b; BAPPIR~c; BAPPIR~d; BAPPIR~e; BAPPIR~f	ZATU081	1(N58)	ZATU112	DUG~b×Sl ₄ ~a
ZATU051	BAR	ZATU082	DU	ZATU113	DUG~b×SIG ₂ ~a1 ; DUG~b×SIG ₂ ~a2
ZATU052	BARA ₂ ~a; BARA ₂ ~b	ZATU083	DU ₆ ~a; DU ₆ ~b; DU ₆ ~c	ZATU114	DUG~b×SIG ₇
ZATU053	BARA ₃	ZATU084	DU ₇	ZATU115	DUG~b×SUHURI
ZATU054	BIR~a; BIR~b; BIR~c	ZATU085	DU ₈ ~a; DU ₈ ~b; DU ₈ ~c	ZATU116	DUG~b×SUKUD~d
				ZATU117	DUG~b×ŠAH ₂ ~a
				ZATU118	DUG~b×ŠE~a
				ZATU119	DUG~b×(ŠE~a.NAM ₂)
				ZATU120	DUG~b×TAK ₄ ~a
				ZATU121	DUG~b×TI

ZATU122	DUG~a×U ₂ ~a ; DUG~a×U ₂ ~b ; DUG~b×U ₂ ~a ; DUG~b×U ₂ ~b	ZATU156	EZEN~a×SU~a	ZATU192	GAN~c×LAGAB~b
ZATU123	DUG~b×UH ₃ ~a	ZATU157	EZEN~a×(U ₂ ~b.A.)	ZATU193	GAN~c×NE~a
ZATU124	DUG~b×ZATU764	ZATU158	EZINU~a; EZINU~b; EZINU~c; EZINU~d	ZATU194	GAN~c×ŠE~a
ZATU125	DUGUD	ZATU159	GA~a; GA~b; GA~c	ZATU195	GAN ₂
ZATU126	DUR~a; DUR~b	ZATU160	GA~c×1(N14)	ZATU196	GAR
ZATU127	DUR ₂	ZATU161	GA~a.ZATU753	ZATU197	GAR@g~a; GAR@g~b; GAR@g~c
ZATU128	E~a; E~b; E~c; E~d	ZATU162	GA ₂ ~a1; GA ₂ ~a2; GA ₂ ~a3; GA ₂ ~a4; GA ₂ ~b; GA ₂ ~c	ZATU198	GAR ₃
ZATU129	E ₂ ~a; E ₂ ~b; E ₂ ~c; E ₂ ~d	ZATU163	ZATU762~b×AB~a	ZATU199	GARA ₂ ~a; GARA ₂ ~b
ZATU130	KUR~a.E ₂ ~a ; KUR~b.E ₂ ~a	ZATU164	GA ₂ ~a1×1(N57)	ZATU200	GAZI
ZATU131	E ₂ ~a×1(N58@t) ; E ₂ ~b×1(N58@t)	ZATU165	Only in UET II as BAU328 = GA ₂ ×1(N58).BAD . GA ₂ ×1(N58).BAD .	ZATU201	SAL.KUR~a
ZATU132	E ₃ ~a; E ₃ ~b	ZATU166	GA ₂ ~b×DUB~a ; GA ₂ ~b×DUB~b	ZATU202	GEŠTIN~a; GEŠTIN~d; GEŠTIN~e
ZATU133	EDIN	ZATU167	GA ₂ ~a1×GIR~a	ZATU203	GEŠTU~a; GEŠTU~b; GEŠTU~c3; GEŠTU~c5
ZATU134	EN~a; EN~b; EN~c; EN~e	ZATU168	GA ₂ ~a1×GIŠ@t	ZATU204	GI
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)	ZATU205	ATU 1, 28=P001294 ATU 5, pl. 068, W 9579,av read GI&GI GI×SIG ₂ ~d1 ;
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	ZATU206	(GI&GI)×ŠE ₃
ZATU137	EN@g~a; EN@g~b	ZATU171	GA ₂ ~a1×(HI.SUHUR)	ZATU207	GI×GIŠ@t
ZATU138	EN ₂	ZATU172	GA ₂ ~a1×KU ₃ ~a ; GA ₂ ~b×KU ₃ ~a	ZATU208	GI×LAGAB~a
ZATU139	ENDIB	ZATU173	GA ₂ ~a1×KU ₆ ~a ; GA ₂ ~b×KU ₆ ~a	ZATU209	GI×NAM ₂
ZATU140	ENGIZ	ZATU174	GA ₂ ~a1×(KU ₆ ~a+KU ₆ ~a)	ZATU210	GI×SIG ₂ ~d1
ZATU141	ENKUM	ZATU175	LAGAB~b×KUR~e	ZATU211	GI×1(N14)
ZATU142	ENLIL	ZATU176	GA ₂ ~a1×MAŠ	ZATU212	Gl ₄ ~a; Gl ₄ ~b
ZATU143	ERIM~a; ERIM~b1; ERIM~b2	ZATU177	GA ₂ ~a1×NAGA~a	ZATU213	Gl ₆
ZATU144	ERIM ₂	ZATU178	GA ₂ ~a2×NI~a ; GA ₂ ~a2×NI~b	ZATU214	GIBIL
ZATU145	ERIN	ZATU179	GA ₂ ~a1×SUHUR ; GA ₂ ~a2×SUHUR	ZATU215	GIBIL ₆
ZATU146	3(N57)	ZATU180	GA ₂ ~a1×SUKUD	ZATU216	GIR~a; GIR~b; GIR~c; GIR~d
ZATU147	EŠDA	ZATU181	GA ₂ ~a1×SUMAŠ	ZATU217	KU ₆ ~d
ZATU148	EŠDA×TAR~a	ZATU182	GA ₂ ~a1×1(N14)	ZATU218	GIR ₂ ~a; GIR ₂ ~b
ZATU149	EŠGAR	ZATU183	GA ₂ ~a1×U ₄	ZATU219	GIR ₃ ~a; GIR ₃ ~b; GIR ₃ ~c
ZATU150	EZEN~a; EZEN~b; EZEN~b@t; EZEN~c	ZATU184	GA'AR~a1; GA'AR~a2; GA'AR~b1; GA'AR~b2	ZATU220	GIR ₃ ~a×ŠE~b
ZATU151	EZEN~a×EN~a ; EZEN~a×EN~b	ZATU185	ZATU737×BUR~a	ZATU221	GIR ₃ @g~a; GIR ₃ @g~b; GIR ₃ @g~c
ZATU152	EZEN~a×KAB	ZATU186	GADA~a; GADA~b	ZATU222	GISAL~a; GISAL~b
ZATU153	EZEN~a×NIM~b2	ZATU187	GADA~b@g	ZATU223	GIŠ
ZATU154	EZEN~a×NIMGIR	ZATU188	GAL~a; GAL~b	ZATU224	(GIŠ×(DIN.DIN))~a ; (GIŠ×(DIN.DIN))~b ; (GIŠ×(DIN.DIN))~c
ZATU155	EZEN~a×RAD~a	ZATU189	GALGA~a; GALGA~b	ZATU225	(GIŠ×ŠU ₂)~a ; (GIŠ×ŠU ₂)~b
		ZATU190	GAN~a; GAN~b; GAN~c	ZATU226	GIŠ.TE
		ZATU191	GAN~c×(HI.DIN)	ZATU227	GIŠ@t
				ZATU228	GIŠ ₃ ~a; GIŠ ₃ ~b
				ZATU229	GIŠGAL

ZATU230	GIŠIMMAR~a1; GIŠIMMAR~a2; GIŠIMMAR~a3; GIŠIMMAR~b1; GIŠIMMAR~b2; GIŠIMMAR~b3	ZATU266	IN~d	ZATU296	KISIM~a; KISIM~b;
ZATU231	GIZZAL~v	ZATU267	IR~a; IR~b; IR~c; IR~d	ZATU297	KIŠ
ZATU232	GU	ZATU268	IR ₁₁	ZATU298	KIŠIK~a; KIŠIK~b
ZATU233	GU ₂	ZATU269	IRHAN	ZATU299	KITI
ZATU234	GU ₄	ZATU270	IŠ~a; IŠ~b; IŠ~c	ZATU300	KU~a; KU~b1; KU~b2
ZATU235	GU ₇	ZATU271	KA~a	ZATU301	KU ₃ ~a; KU ₃ ~c
ZATU236	GUB ₃ ~a; GUB ₃ ~b; GUB ₃ ~c; GUB ₃ ~d	ZATU272	Read as sequence KA GI.	ZATU302	KU ₆ ~a; KU ₆ ~c
ZATU237	GUG ₂	ZATU273	KA~a×SAR~a	ZATU303	KU ₆ ~a+KU ₆ ~a
ZATU238	GUG ₂ ×SILA ₃ ~a	ZATU274	KA~a.ŠE~a	ZATU304	KUR~a; KUR~b; KUR~c; KUR~d
ZATU239	GUG ₂ ×TUR	ZATU275	KA ₂ ~a; KA ₂ ~b; KA ₂ ~c	ZATU305	KUŠU ₂ ~a; KUŠU ₂ ~b; KUŠU ₂ ~c; KUŠU ₂ ~d; KUŠU ₂ ~e; KUŠU ₂ ~f
ZATU240	GUKKAL~a; GUKKAL~b; GUKKAL~c; GUKKAL~d	ZATU276	KA ₂ ~d×LAM~b	ZATU306	LA~b; LA~c; LA~d
ZATU241	GUUKKAL~a.HI@g~a	ZATU277	KAB	ZATU307	LA ₂
ZATU242	GUL	ZATU278	KAB×1(N58)	ZATU308	LAGAB~a; LAGAB~b
ZATU243	GUM~a; GUM~b	ZATU279	KAD ₄ ~a; KAD ₄ ~b; KAD ₄ ~c1; KAD ₄ ~c2	ZATU309	LAGAB~b×BANŠUR~a
ZATU244	GUM~b@n	ZATU280	KAK~a; KAK~b	ZATU310	LAGAB~a×DU ₆ ~a
ZATU245	GUN ₃ ~a; GUN ₃ ~b	ZATU281	KAL~a; KAL~b1; KAL~b2	ZATU311	LAGAB~b×GA'AR~a1
ZATU246	GUR	ZATU282	KALAM~a; KALAM~b; KALAM~c; KALAM~d; KALAM~e; KALAM~f; KALAM~g; KALAM~h; KALAM~h2	ZATU312	LAGAB~b×HI
ZATU247	GURUŠ~a; GURUŠ~b	ZATU283	KAR	ZATU313	LAGAB~a×KU ₆ ~a
ZATU248	IGURUŠ~a×2(N14) ; IGURUŠ~b×2(N14) ; IGURUŠ~c×2(N14)	ZATU284	KAR ₂ ~a; KAR ₂ ~b	ZATU314	LAGAB~a×KUŠU ₂ ~a@t
ZATU249	GURUŠDA	ZATU285	KASKAL	ZATU315	LAGAB~a×ME~a
ZATU250	HAL	ZATU286	KAŠ~a; KAŠ~b; KAŠ~d	ZATU316	LAGAB~a×NUN~b
ZATU251	HALUB	ZATU287	KAŠ~c	ZATU317	LAGAB~a×PA~a ; LAGAB~b×PA~a
ZATU252	HAŠHUR	ZATU288	KAŠ~b×ŠE~a@t	ZATU318	LAGAB~a×ŠA
ZATU253	HAŠHUR×MA	ZATU289	KI	ZATU319	LAGAB~a×ŠITA~a1
ZATU254	HI; HI~b	ZATU290	KIB	ZATU320	LAGAB~a×2(N14)
ZATU255	HI×1(N57@t)	ZATU291	KID~a; KID~b; KID~c; KID~d; KID~e	ZATU321	LAGAB~a×ZATU753
ZATU256	HI.SUHUR	ZATU292	KIN	ZATU322	LAGAB×ZATU766 ; collation on P004228 o i 4b suggests not all of LAGAB is present; read X in CDLI-tc
ZATU257	HI×ZATU707~a	ZATU293	KIN ₂ ~a; KIN ₂ ~b; KIN ₂ ~c; KIN ₂ ~d; KIN ₂ ~e	ZATU323	LAGAR~a; LAGAR~b1; LAGAR~b2; LAGAR~c
ZATU258	HI@g~a; HI@g~b; HI@g~c	ZATU294	KINGAL	ZATU324	LAHTAN ₂
ZATU259	I	ZATU295	KISAL~a1; KISAL~a2; KISAL~b1; KISAL~b2; KISAL~b3	ZATU325	LAL ₂ ~a; LAL ₂ ~b
ZATU260	IB~a; IB~b; IB~c	ZATU296	KIN	ZATU326	LAL ₂ ~a×EZEN~a
ZATU261	IDIGNA	ZATU297	KIN ₂ ~a; KIN ₂ ~b; KIN ₂ ~c; KIN ₂ ~d; KIN ₂ ~e	ZATU327	LAL ₃ ~a; LAL ₃ ~b
ZATU262	IL	ZATU298	KINGAL	ZATU328	LAM~a; LAM~b
ZATU263	ILDUM~a; ILDUM~b	ZATU299	KUR@g~a; KUR@g~b; LAM~b@s	ZATU329	KUR@g~a; KUR@g~b;
ZATU264	IM~a; IM~b	ZATU300	LI	ZATU330	LI
ZATU265	IN~b	ZATU301	LIŠ	ZATU331	LIŠ
		ZATU302	LU ₂	ZATU332	LU ₂
		ZATU303	LU ₂ ×GEŠTU~c3	ZATU333	LUM
		ZATU304	LUGAL	ZATU334	MA
		ZATU305	LUM	ZATU335	MA×A
		ZATU306	MA	ZATU336	
		ZATU307		ZATU337	

ZATU338		ZATU377		ZATU411	
ZATU339		ZATU378		ZATU412	
ZATU340		ZATU379		ZATU413	
ZATU341		ZATU380		ZATU414	
ZATU342		ZATU381		ZATU415	
ZATU343		ZATU382		ZATU416	
ZATU344		ZATU383		ZATU417	
ZATU345		ZATU384		ZATU418	
ZATU346		ZATU385		ZATU419	
ZATU347		ZATU386		ZATU420	
ZATU348		ZATU387		ZATU421	
ZATU349		ZATU388		ZATU422	
ZATU350		ZATU389		ZATU423	
ZATU351		ZATU390		ZATU424	
ZATU352		ZATU391		ZATU425	
ZATU353		ZATU392		ZATU426	
ZATU354		ZATU393		ZATU427	
ZATU355		ZATU394		ZATU428	
ZATU356	ZATU MAŠ+GAN2 read as MAŠ GAN2 in CDLI-tc	ZATU395	See new copy of ATU 1, 143 in P001212=ATU 5, pl. 054, W 9335,i.	ZATU429	
ZATU357		ZATU396		ZATU430	
ZATU358		ZATU397		ZATU431	
ZATU359		ZATU398		ZATU432	
ZATU360		ZATU399		ZATU433	
ZATU361		ZATU400		ZATU434	
ZATU362		ZATU401		ZATU435	
ZATU363		ZATU402		ZATU436	
ZATU364		ZATU403		ZATU437	
ZATU365		ZATU404		ZATU438	
ZATU366		ZATU405		ZATU439	
ZATU367		ZATU406		ZATU440	
ZATU368		ZATU407		ZATU441	
ZATU369		ZATU408		ZATU442	
ZATU370		ZATU409		ZATU443	
ZATU371		ZATU410		ZATU444	
ZATU372	ZATU MURUB3 read ME~a EN~b LAGAR~b1 in hapax P000849=ATU 1, 480=ATU 5 pl. 17, W 6855, i 1, i.e., ŠITĀ~b2@g×HI@g~a	ZATU445		ZATU445	
ZATU373		ZATU446		ZATU446	
ZATU374					
ZATU375					
ZATU376					

ZATU448		ZATU479	Delete, W 16012,b+ = P002571 now read UDU ŠITA.
ZATU449		ZATU480	
ZATU450		ZATU481	
ZATU451		ZATU482	
ZATU452		ZATU483	
ZATU453		ZATU484	
ZATU454		ZATU485	
ZATU455		ZATU486	
ZATU456		ZATU487	
ZATU457		ZATU488	
ZATU458		ZATU489	
ZATU459		ZATU490	
ZATU460, ZATU472		ZATU491	
ZATU461		ZATU492	
ZATU462, ZATU469		ZATU493	
ZATU463		ZATU494	
ZATU464		ZATU495	
ZATU465		ZATU496	
ZATU466		ZATU497	
ZATU467		ZATU498	
ZATU468		ZATU499	
ZATU469	see ZATU462	ZATU500	
ZATU470		ZATU501	
ZATU471		ZATU502	
ZATU472	see ZATU460	ZATU503	
ZATU473		ZATU504	
ZATU474		ZATU505	Delete, W 14777,e = P002181 now read GAL~a ŠAB~a AL.
ZATU475		ZATU506	
ZATU476		ZATU507	
ZATU477		ZATU508	
ZATU478		ZATU509	
		ZATU510	
		ZATU511	
		ZATU512	
		ZATU513	
		ZATU514	
		ZATU515	
		ZATU516	
		ZATU517	Delete, W 17586 = P002625 now read as 1(N01) KU3.
		ZATU518	
		ZATU519	
		ZATU520	
		ZATU521	
		ZATU522	
		ZATU523	
		ZATU524	
		ZATU525	
		ZATU526	
		ZATU527	
		ZATU528	
		ZATU529	
		ZATU530	
		ZATU531	
		ZATU532	
		ZATU533	
		ZATU534	
		ZATU535	
		ZATU536	
		ZATU537	ŠU2.U4 in ATU 206 read as AB2 in P001387=ATU 5 pl.80, W 9655,o.
		ZATU538	
		ZATU539	
		ZATU540	
		ZATU541	
		ZATU542	ŠUNIGIN taken as DA in CDLI.
		ZATU543	
		ZATU544	
		ZATU545	
		ZATU546	= 2(N57)
		ZATU547	
		ZATU548	
		ZATU549	
		ZATU550	
		ZATU551	

ZATU552	
ZATU553	
ZATU554	
ZATU555	
ZATU556, ZATU558	
ZATU557	
ZATU558	see ZATU556
ZATU559	Damaged, identification uncertain, possibly KAB.
ZATU560	
ZATU561	
ZATU562	
ZATU563	
ZATU564	• 1(N14)
ZATU565	
ZATU566	
ZATU567	
ZATU568	
ZATU569	
ZATU570	see ZATU416
ZATU571	
ZATU572	
ZATU573	
ZATU574	
ZATU575	
ZATU576	
ZATU577	
ZATU578	
ZATU579	
ZATU580	
ZATU581	
ZATU582	
ZATU583	
ZATU584	
ZATU585	
ZATU586	
ZATU587	
ZATU588	
ZATU589	
ZATU590	
ZATU591	
ZATU592	
ZATU593	
ZATU594	
ZATU595	
ZATU596	
ZATU597	
ZATU598	
ZATU599	
ZATU600	
ZATU601	
ZATU602	
ZATU603	
ZATU604	
ZATU605	
ZATU606	
ZATU607	
ZATU608	
ZATU609	
ZATU610	
ZATU611	
ZATU612	
ZATU613	
ZATU614	
ZATU615	
ZATU616	
ZATU617	
ZATU618	
ZATU619	
ZATU620	
ZATU621	
ZATU622	
ZATU623	
ZATU624	
ZATU625	
ZATU626	
ZATU627	
ZATU628	
ZATU629	
ZATU630	
ZATU631	
ZATU632	
ZATU633	
ZATU634	
ZATU635	
ZATU636	
ZATU637	
ZATU639	
ZATU640	
ZATU641	
ZATU642	
ZATU643	
ZATU644	
ZATU645	
ZATU646	
ZATU647	
ZATU648	
ZATU649	
ZATU650	
ZATU651	
ZATU652	
ZATU653	
ZATU654	
ZATU655	
ZATU656	
ZATU657	
ZATU658	
ZATU659	
ZATU660	
ZATU661	
ZATU662	

ZATU663	☱ ZATU662×1(N14)	ZATU697	☱ ZATU697~a; ☷ ZATU697~b; ☱ ZATU697~c	ZATU738	☱ ZATU737×AB~a
ZATU664	🔇 ZATU664	ZATU698	☷ DU ₈ ~c@g	ZATU739	🔇 ZATU737×DII
ZATU665	⬧ ZATU665	ZATU699	☱ ZATU699~a; ☷ ZATU699~b	ZATU740	☱ ZATU737×EN~a ;
ZATU666	⬨ ZATU666	ZATU700	⧉ ZATU700	ZATU741	☱ ZATU737×EN~b
ZATU667	⬩ ZATU667	ZATU701	♪ ZATU701	ZATU742	⧉ ZATU737×NIMGIR
ZATU668	⬪ ZATU668	ZATU702	嘡 ZATU702	ZATU743	⧉ ZATU737×SAL
ZATU669	⬫ ZATU669	ZATU703	⬧ ZATU703	ZATU744	⧉ ZATU737×SU~a
ZATU670	⬦ ZATU670	ZATU704	⬦ ZATU704	ZATU745	⧉ ZATU737×ŠE~a
ZATU671	Damaged, identification uncertain.	ZATU705	⬧ ZATU705	ZATU746	▶ ZATU737×ŠITA~b1@g
ZATU672	⬧ ZATU672	ZATU706	⬧⬧⬧⬧ ZATU706	ZATU747	⧉ ZATU737×U ₄
ZATU674	⬧ ZATU674	ZATU707	⬧ ZATU707~a; ⬧ ZATU707~b	ZATU748	⬧ ZATU737×UNUG~a
ZATU675	⬧ ZATU675~a; ⬧ ZATU675~b; ⬧ ZATU675~c; ⬧ ZATU675~d	ZATU708	⬧ ZATU708	ZATU749	⬧ ZATU749~a; ⬧ ZATU749~b; ⬧ ZATU749~c
ZATU676	⬧ ZATU676~a; ⬧ ZATU676~b	ZATU709	⬧ ZATU709	ZATU750	⬧ ZATU750
ZATU677	⬧ ZATU677~a; ⬧ ZATU677~b	ZATU710	⬧ ZATU710	ZATU751	⬧ ZATU751~a; Ⓜ ZATU751~b
ZATU678	⬧ ZATU678	ZATU711	⬧ ZATU711	ZATU752	⬧ ZATU752
ZATU679	⬧ ZATU679	ZATU712	⬧ ZATU711×HI@g~a	ZATU753	⬧ ZATU753
ZATU680	⬧ ZATU680~a1; ⬧ ZATU680~a2; ⬧ ZATU680~b; ⬧ ZATU680~d; ⬧ ZATU680~e	ZATU713	⬧ ZATU713	ZATU754	⬧ ZATU754
ZATU681	⬧⬧ ZATU681	ZATU714	⬧ ZATU714	ZATU755	⬧ ZATU755~a; ⬧ ZATU755~b
ZATU682	⬧ ZATU682	ZATU715	⬧ ZATU714×HI@g~a	ZATU756	⬧ ZATU756
ZATU683	⬧⬧ ZATU683~a; ⬧ ZATU683~b	ZATU716	⬧ ZATU714.RUI	ZATU757	⬧ ZATU757
ZATU684	⬧ ZATU684	ZATU717	⬧ ZATU717	ZATU758	⬧ ZATU758
ZATU685	⬧ ZATU685	ZATU718	⬧ ZATU718	ZATU759	⬧ ZATU759
ZATU686	⬧ ZATU686~a; ⬧ ZATU686~b; Ⓜ ZATU686~c	ZATU719	⬧ ZATU719	ZATU760	⬧ ZATU759×KU ₆ ~a ; ⬧ ZATU759×KU ₆ ~d
ZATU687	⬧ ZATU687	ZATU720	⬧ ZATU720	ZATU761	⬧ ZATU761
ZATU688	⬧ ZATU688~a; ⬧ ZATU688~b	ZATU721	⬧⬧ ZATU721	ZATU762	⬧ ZATU762~a; ⬧ ZATU762~b
ZATU689	⬧ ZATU689	ZATU722	⬧ ZATU722	ZATU763	⬧ ZATU762~a×NIM~a
ZATU690	⬧ ZATU690	ZATU723	⬧ ZATU723	ZATU764	⬧ ZATU764
ZATU691	⬧ ZATU691	ZATU724	⬧ ZATU724	ZATU765	⬧ ZATU765
ZATU692	⬧ ZATU692	ZATU725	⬧ ZATU725	ZATU766	⬧ ZATU766
ZATU693	⬧ ZATU693	ZATU726	⬧ ZATU726~a; ⬧ ZATU726~c; ⬧ ZATU726~d	ZATU767	⬧ ZATU767
ZATU694	⬧ ZATU694~a; Ⓜ ZATU694~b; ⬧ ZATU694~c; Ⓜ ZATU694~d; ⬧ ZATU694~e	ZATU727	⬧ ZATU727	ZATU768	⬧ ZATU768
ZATU695	⬧ ZATU695	ZATU728	⬧ ZATU728	ZATU769	⬧ ZATU769
ZATU696	⬧ ZATU696	ZATU729	⬧ ZATU729	ZATU770	Damaged; ATU 833 = ATU 1, 442 = P001011 ATU 5, pl. 034, W 9071,h; excluded from CDLI list.
		ZATU730	⬧ ZATU730	ZATU771	⬧ ZATU771
		ZATU732	▶ ZATU732	ZATU772	⬧⬧ ZATU772
		ZATU733	⬧ ZATU733	ZATU773	⬧⬧ ZATU773~a; ⬧⬧ ZATU773~b
		ZATU734	⬧ ZATU734	ZATU774	⬧ ZATU774
		ZATU735	⬧ ZATU735~a; Ⓜ ZATU735~b; ⬧ ZATU735~c	ZATU775	⬧ ZATU775
		ZATU736	⬧ ZATU736~a; ⬧ ZATU736~b	ZATU776	⬧ ZATU776
		ZATU737	⬧ ZATU737	ZATU777	⬧ ZATU777
				ZATU778	⬧ ZATU778
				ZATU779	⬧ ZATU779
				ZATU780	⬧⬧ ZATU780
				ZATU781	⬧ ZATU781
				ZATU782	⬧ ZATU782

ZATU783		ZATU783	ZATU809		ZATU809	ZATU836		ZATU836
ZATU784		ZATU784	ZATU810		ZATU810	ZATU837		ZATU837~a;
ZATU785		ZATU785	ZATU811		ZATU811	ZATU837		ZATU837~b
ZATU786		ZATU786	ZATU812		ZATU812	ZATU838		ZATU838
ZATU787		ZATU787	ZATU813		ZATU813	ZATU839		ZATU839
ZATU788		ZATU788	ZATU814		ZATU814	ZATU840		ZATU840
ZATU789		ZATU789	ZATU815		ZATU815	ZATU841		ZATU841
ZATU790	Vacat.		ZATU816	Vacat.		ZATU842		ZATU842
ZATU791		ZATU791	ZATU817		ZATU817	ZATU843		ZATU843
ZATU792		ZATU792	ZATU818		ZATU818	ZATU844		ZATU844
ZATU793	Vacat.		ZATU819		ZATU819	ZATU845		ZATU845
ZATU794	Vacat.		ZATU820		ZATU820	ZATU846		ZATU846
ZATU795		ZATU795	ZATU821		ZATU821	ZATU847		ZATU847
ZATU796	Vacat.		ZATU822		ZATU822	ZATU848		ZATU848
ZATU797		ZATU797	ZATU823		ZATU823	ZATU849		ZATU849
ZATU798		ZATU798	ZATU824		ZATU824	ZATU850		ZATU850
ZATU799		ZATU799	ZATU825		ZATU825	ZATU851		ZATU851
ZATU800		ZATU800	ZATU826		ZATU826	ZATU852		ZATU852
ZATU801		ZATU801	ZATU827	Vacat.		ZATU853		ZATU853
ZATU802		ZATU802;	ZATU828	Vacat.		ZATU854		ZATU854
ZATU803		ZATU803	ZATU829		ZATU829	ZATU855		ZATU855
ZATU804		ZATU804	ZATU830	Vacat.		ZATU856		ZATU856
ZATU805		ZATU805	ZATU831		ZATU831	ZATU857		ZATU857
ZATU806		ZATU806	ZATU832		ZATU832	ZATU858		ZATU858
ZATU807		ZATU807	ZATU833		ZATU833	ZATU859		ZATU859
ZATU808		ZATU808	ZATU834		ZATU834			
			ZATU835		ZATU835			

C 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
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, Sec1722 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 ×GEŠTU-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
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
P006035	MS 2393	 UH ZATU826
P006040	MS 2427	 PIRIG~b1×UR 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×GEŠTU~c  UR~a×KAR ₂ ~b ZATU821
P006068	MS 2501	 ZATU831@g

P006070	CDLI Lexical 000023, ex. 095	 DUG~bxE~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
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
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	 ŠITĀ~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
P006319	MS 4539	BU~a×GIŠ@t
P006323	MS 4543	TA~d×MAŠ
P006324	MS 4551	GUG ₂ ×ŠITA~a1 MAH~b×MAŠ
P006326	MS 4557	GA ₂ ~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 ŠU ₂ ×3(N57) UR ₃ ~d2
P252182	MS 3171	GA ₂ ~b×NUN~b LAGAB~b×(HI×1(N04)) ŠUR ₂ ~c
P252184	citation; history	CDLI Lexical Database; sec46325 AŠ ₂
P274471	MS 4588/1	LAGAB~a×NI~a
P342517	MW 0188/020	NIM~d
P342525	MW 0188/033	ZATU659@t
P342526	MW 0188/034	AB ₂ @g
P342533	MW 0188/041	LAGAB~a×LA ₂ ~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	 SILA ₃ ~d~NI~a
P512554	Anonymous 512554 unpublished unassigned	 KAB×1(N58)  ZATU853
P518361	Kress 301	 U ₄ ×(1(N14).3(N01))

D 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 o0980016	ZERO F2404						
AMAR@g CDL: AMAR@g 1× IV: 1p o0980057	PC25-bk F240B						
(BU~a&BU~a).X 1× IV: 1p o0980124	PC25-bk F240F						
DU ₈ ~c×X o0980198	ZERO F2411						
DUG~b×(KUR~a.X) 1× III: 1p o0980243	PC25-bk F2415						
DUG~b×(SI ₄ ~a.X) 1× III: 1p o0980254	PC25-bk F2417						
DUG~b×X 128× IV: 3p/3u; III: 110p/14u o0980272	PC25-bk F20BC F20BB	 	 	 			
EZEN~a×X 2× IV: 1p; III: 1u o0980349	PC25-bk F241F						
GA~a×X o0980360	ZERO F24F7						
GA ₂ ~a2×X 1× III: 1p o0980410	PC25-bk F2428						
GA ₂ ~a3×X 1× IV: 1p; III: 1p o0980413	PC25-bk F2429						
GAN~c×X 3× IV: 1p; III: 2p/1u o0980447	PC25-bk F242E						
GI×X 1× IV: 1u o0980480	UNP F2432						
(GI&GI)×X o0980486	ZERO F2434						F2434
IRHAN 1× III: 1p o0980617 ZATU269	PC25-bk F243D						
LAGAB~a×X 3× IV: 1p; III: 2p o0980749	PC25-bk F2121 F2122						
MAH~a×X 7× IV: 5p; III: 6p/1u o0980823	PC25-bk F2454						

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

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

E 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
------	------	------	------	------	-------	-------	-------

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

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

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

DAR~d		UNP							
1x III: 1u	o0980150	ZATU069	F2410						
DU ₆ ~a@n		ZERO		F2539					
	o0980187								
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									
CDL: GA ₂ ~a2×NIM~b1									
1x III: 1u	o0980386		F2423						

 GA₂~a1×((SUKUD+SUKUD)~a) 	UNP						
AKA: GA ₂ ~a1×(SUKUD&SUKUD)~a							
CDLI: GA ₂ ~a1×((SUKUD&SUKUD)~a)							
1× IV: 1u	o0980393						
 GA₂~a1×((SUKUD+SUKUD)~b) 	UNP						
AKA: GA ₂ ~a1×(SUKUD&SUKUD)~b							
CDLI: GA ₂ ~a1×((SUKUD&SUKUD)~b)							
1× III: 1u	o0980394						
 GA₂~a2×NI~b 	UNP						
1× III: 1u	o0980406	ZATU178					
 GA₂~a2×3(N57) 	UNP						
1× III: 1u	o0980411						
 GA₂~b×KU₃~a 	UNP						
1× III: 1u	o0980418	ZATU172					
 GA₂~b×NUN~b 	UNP						
1×	o0980420						
GADA~b	UNP						
1× IV: 1u; III: 1p	o0980428	ZATU186					
GALGA~b	UNP						
3× III: 3u	o0980433	ZATU189					
 GAN~c×NE~a 	UNP						
3× III: 3u	o0980443	ZATU193					
 GAN~c×ŠE~a 	UNP						
4× III: 4u	o0980445	ZATU194					
 GAN~c×ŠE₃@t 	UNP						
1× III: 1u	o0980446						
GARA₂~b	UNP						
2× III: 2u	o0980460	ZATU199					
 (GI&GI)×ŠE₃ 	UNP						
CDLI: (GI+&GI)×ŠE ₃							
2× III: 2u	o0980485	ZATU206					
 GI₄~a&GI₄~a 	UNP						
1× III: 1u	o0980491						
GIBIL@t	UNP						
1× III: 1u	o0980496						
GIR~d	UNP						
1× IV: 1u	o0980505	ZATU216					
GIR₂~b	ZERO						
o0980507	ZATU218						
 GIR₃~c×KAR₂~b 	UNP						
AKA: GIR ₃ ~c×KAR ₂							
CDLI: GIR ₃ ~c×KAR ₂							
3× III: 3u	o0980512						
 GU₄×1(N58) 	ZERO						
CDLI: *GU ₄ +1N58							
o0982249							

GUG ₂ ×ŠITA~a1		UNP						
1× III: 1u	o0980554		F24FC					
GUG@t		ZERO						
	o0980556		F243A					
HI×ZATU707~a		UNP						
1× IV: 1u	o0980583	ZATU257	F243B					
HI×1(N58)		UNP						
1× IV: 1u	o0980588		F243C					
HI~b		UNP						
1×	o0980589	ZATU254	F252F					
KA ₂ ~c		UNP						
1× IV: 1u	o0980626	ZATU275	F243E					
KAB×1(N58)		UNP						
AKA: TUKU+DIŠ								
3× IV: 1u; III: 2u	o0980630	ZATU278	F243F					
KAD ₄ ~c1		UNP						
1× IV: 1u	o0980633	ZATU279	F2440					
KAD ₄ ~c2		UNP						
1× IV: 1u	o0980634	ZATU279	F2441					
KASKAL@g		UNP						
CDLI: KASKAL@g								
1× III: 1u	o0980654		F2442					
KAŠ~b@t		ZERO						
CDLI: KAŠ~b@t								
	o0980658		F2443					
KISAL~a2		UNP						
1× IV: 1u	o0980681	ZATU295	F2444					
KU ₆ ~a@s		UNP						
1× III: 1u	o0980703	ZATU446	F2445					
KUR~d		UNP						
1× IV: 1u	o0980713	ZATU304	F2446					
LA~c		UNP						
1× III: 1u	o0980723	ZATU306	F2447					
LAGAB~a×BA		UNP						
1× III: 1u	o0980728		F2448					
LAGAB~a×BIR ₃ ~b		UNP						
2× III: 2u	o0980729		F2449					
LAGAB~a×KAK~a		UNP						
1× III: 1u	o0980731		F244A					
LAGAB~a×LA ₂ ~a		UNP						
1×	o0980735		F2521					
LAGAB~a×LAGAB~a		UNP						
1× III: 1u	o0980736		F244B					
LAGAB~a×NI~a		UNP						
1× III: 1u	o0980738		F2520					

LAGAB~a×SI	UNP							
3x III: 3u o0980741								
LAGAB~b×BANŠUR~a	UNP							
1x IV: 1u o0980755 ZATU309								
LAGAB~b×GA'AR~a1	UNP							
1x IV: 1u o0980756 ZATU311								
LAGAB~b×(HI×1(N04))	UNP							
AKA: LAGAB~b×(HI×N04)								
1x o0980758								
LAGAB~b×SUH ₃	UNP							
1x III: 1u o0980762								
LAL ₂ ~a×EZEN~a	UNP							
1x IV: 1u o0980781 ZATU326								
LAM~b@ _s	UNP							
1x IV: 1u o0980791 ZATU329								
LU ₂ ×GEŠTU~c3	UNP							
1x III: 1u o0980797 ZATU333								
MAGUR~b	UNP							
1x IV: 1u o0980809 ZATU340								
MAH~b×KU ₆ ~a	UNP							
1x IV: 1u o0980826 ZATU343								
MAH~b×MAŠ	UNP							
1x III: 1u o0980827 ZATU344								
MUŠEN×PAP~a	UNP							
1x III: 1u o0980874								
NA~d	UNP							
1x III: 1u o0980883 ZATU378								
NESAG ₂ ~a2	UNP							
AKA: NISAG~a3								
1x III: 1u o0980914 ZATU416								
NESAG ₂ ~b@t	UNP							
1x III: 1u o0980916								
NI~a×1(N57)	ZERO							
o0980919								
NIM~d	UNP							
1x o0980931 ZATU398								
NINDA ₂ ~BA	UNP							
1x III: 1u o0980939 ZATU402								
NINDA ₂ ~(UDU~a×TAR~a)	UNP							
AKA: NINDA ₂ ~((UDU~a×TAR)~a)								
CDLI: NINDA ₂ ~((UDU~a×TAR)~a)								
1x III: 1u o0980958 ZATU410								
NINDA ₂ ~(UDU~a×TAR~b)	UNP							
AKA: NINDA ₂ ~((UDU~a+TAR)~b)								
1x III: 1u o0980959 ZATU410								

NUMUN ₂		UNP						
2× III: 2u	o0980980	ZATU420	F2464					
NUNUZ~a1@t		UNP						
CDLI: NUNUZ~a1@t			F2465					
2× III: 2u	o0980994							
NNUUZ~b2		UNP						
1× III: 1u	o0980997	ZATU423	F2466					
PIRIG~b1×UR ₂		UNP						
2× III: 2u	o0981012		F2467					
PIRIG~b1×1(N58@t)		ZERO						
	o0981013		F2528					
RAD~a@t		UNP						
CDLI: RAD~a@t			F2468					
2× III: 2u	o0981019							
RU@t		ZERO						
CDLI: RU@t			F2469					
	o0981025							
SAG×GEŠTU~c		UNP						
1× III: 1u	o0981032	ZATU438	F246A					
SAG×1(N14)		UNP						
1× III: 1u	o0981037	ZATU440	F246B					
SIG~b		UNP						
2×	o0981074	ZATU451	F2532					
SIG@g		UNP						
1× III: 1u	o0981075		F246C					
SIG 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			F2476					
1× III: 1u	o0981172							

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)			F251D						
1x o0981265									
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								
CDL: TUR ₃ ~a@n			F247E						
1x o0981325									
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			F2489						
CDL: UR~a×KAR ₂									
1x III: 1u o0981438									
UR ₃ ~b1×MAŠ	UNP								
1x IV: 1u o0981449			F248A						
UR ₃ ~d2	UNP								
1x o0981451 ZATU591			F2535						

URU~a1xGU ₄		UNP						
1× III: 1u	o0981466							
URU~a1@n		UNP						
CDLI: URU~a1@n								
1× III: 1u	o0981475							
URUDU@g~b		UNP						
1× IV: 1u	o0981486	ZATU603						
ZUBI~b		UNP						
1× III: 1u	o0981525	ZATU619						
ZATU624~c		UNP						
1× III: 1u	o0981535	ZATU624						
ZATU627		UNP						
1× IV: 1u	o0981540	ZATU627						
ZATU632~c		UNP						
1× IV: 1u	o0981548	ZATU632						
ZATU634		UNP						
1× IV: 1u	o0981551	ZATU634						
 ZATU644~a×1(N14) 		UNP						
1× IV: 1u	o0981561	ZATU645						
 ZATU651~šE~a 		UNP						
1× III: 1u	o0981574	ZATU657						
ZATU659@t		UNP						
1×	o0981582							
ZATU683@t		UNP						
CDLI: ZATU683@t								
1× III: 1u	o0981613							
ZATU694~e		ZERO						
	o0981633	ZATU694						
ZATU697~c		UNP						
2× III: 2u	o0981638	ZATU697						
ZATU699~a		UNP						
1× IV: 1u	o0981639	ZATU699						
 ZATU737~E~a 		UNP						
1× III: 1u	o0981690							
 ZATU737~I 		UNP						
1× III: 1u	o0981694							
 ZATU737@t×PAP~a 		UNP						
1×	o0981705							
 ZATU759~KU₆~d 		UNP						
1× IV: 1u; III: 1p	o0981724	ZATU760						
ZATU761		UNP						
1× III: 1u	o0981727	ZATU761						

ZATU779		ZERO						
	o0981747	ZATU779	F24AA					
ZATU789		ZERO						
	o0981757	ZATU789	F24AC					
ZATU805		UNP						
2x III: 2u	o0981770	ZATU805	F24AD					
ZATU814		UNP						
1x III: 1u	o0981779	ZATU814	F24AE					
ZATU815		UNP						
1x III: 1u	o0981780	ZATU815	F24AF					
ZATU820		UNP						
1x III: 1u	o0981784	ZATU820	F24B2					
ZATU821		UNP						
7x III: 7u	o0981785	ZATU821	F24B3					
ZATU822		UNP						
1x III: 1u	o0981786	ZATU822	F24B4					
ZATU823		UNP						
3x III: 3u	o0981787	ZATU823	F24B5					
ZATU824		UNP						
2x III: 2u	o0981788	ZATU824	F24B6					
ZATU825		UNP						
2x III: 2u	o0981789	ZATU825	F24B7					
ZATU826		UNP						
2x III: 2u	o0981790	ZATU826	F24B8					
ZATU829		UNP						
1x III: 1u	o0981791	ZATU829	F24B9					
ZATU831		UNP						
2x III: 2u	o0981792	ZATU831	F24BA					
ZATU831@g	CDL: ZATU831@g	UNP						
2x III: 2u	o0981793	ZATU831	F24BB					
ZATU837~a		UNP						
3x III: 3u	o0981799	ZATU837	F24BC					
ZATU837~b		UNP						
1x III: 1u	o0981800	ZATU837	F24BD					
ZATU838		UNP						
3x III: 3u	o0981801	ZATU838	F24BE					
ZATU839		UNP						
6x III: 6u	o0981802	ZATU839	1 F2219	1 F221A				
ZATU840		UNP						
1x III: 1u	o0981803	ZATU840	F221A					

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						

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSV01	MSV04	CUSAS
A×AN o0980002	EDI						
A@g o0980007	EDI						
ALAN~f o0980046	EDI						
ANZU ₂ o0980064	EDI						
ASAL ₂ o0980072	EDI						
BAU405 CDLI: UET ₂ .405 o0980108	EDI						
DAG o0980142	EDI						
DIM~a×GU o0980175	EDI						
DIM~a×X o0980176	EDI						
DUG~a×HI o0980213	EDI						
DUG~a×X o0980220	EDI						
E~e o0980296	EDI						
ENSI o0980324	EDI						
ENSI ₂ o0980325	EDI						
EZEN~a×LA~e o0980341	EDI						
GA ₂ ~a1×GU ₄ o0980376	EDI						
GA ₂ ~a1×NUN~a o0980387	EDI						

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

LAGAB~b×SI	EDI							
	o0980761		F2501					
LAGAB~b×ŠITA~c	EDI							
	o0980763		F2500					
LAGAB~b×X	EDI							
1×	o0980765		F2502					
LAGAB~b×1(N01)	EDI							
	o0980766		F24FF					
LAK025	EDI							
	o0980774		F24DF					
LAK050	EDI							
	o0980775		F24E0					
LAK172	EDI							
	o0980776		F24E1					
LAK251	EDI							
	o0980777		F24E2					
LAK350	EDI							
	o0980778		F24E3					
LAK777	EDI							
	o0980779		F24E4					
LAL ₃ ~c	EDI							
	o0980787		F24E5					
LAM~c	EDI							
	o0980793		F24E6					
LU ₂ @t	EDI							
	o0980798		F24E7					
MA×X	EDI							
	o0980804		F2504					
MA×2(N57)	EDI							
	o0980805		F2503					
MUD ₃ ~a@gxGUI	EDI							
	o0980853		F2505					
NINDA ₂ ×(GIŠ.DAR~a)	EDI							
	o0980944		F2508					
NINDA ₂ ×NE~a	EDI							
	o0980953		F2509					
NINDA ₂ ×ŠIM~a	EDI							
	o0980955		F250A					
NINDA ₂ ×(X.MAŠ)	EDI							
	o0980961		F250B					
NINDA ₂ ×1(N06)	EDI							
	o0980966		F2507					

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				(o)		
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							

UŠ-b×TAR~d	EDI o0981493						
UŠUR ₃ ~a	EDI o0981496						
ZADIM	EDI o0981512						
(ZU&ZU).SAR~a	EDI o0981523						
ZATU737×ŠITA~b1@g CDLI: ZATU737×ŠITA@g~a o0981701 ZATU746	EDI						

H PC25 Not Encoded: Delete

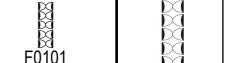
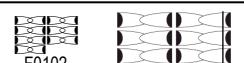
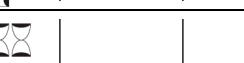
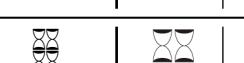
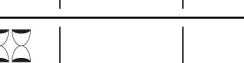
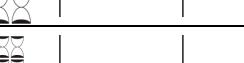
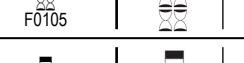
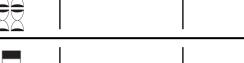
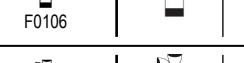
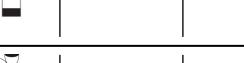
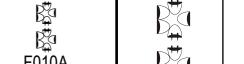
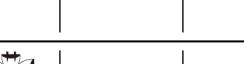
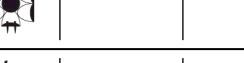
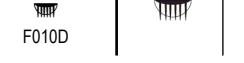
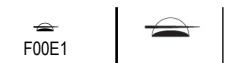
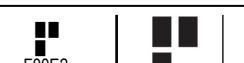
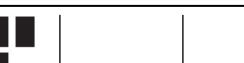
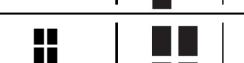
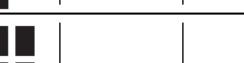
This table gives signs which occur in CDLI-gh but have been deleted from the CDLI-tc.

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
(BU~a&BU~a).NA ₂ ~b o0982241 ZATU058	DEL						
EZEN~c o0982242 ZATU150	DEL						
NINDA ₂ ×GUDU ₄ o0982243 ZATU406	DEL	 	 				
RI~x o0982244	DEL						

I PC25 Not Encoded: Number (non-ACN)

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

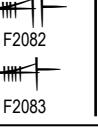
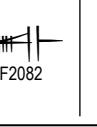
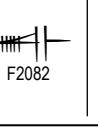
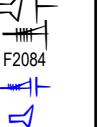
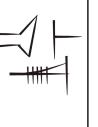
PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
5(LAGAB~a) o0981826	NUM F2543	○○ ○○					
10(N01) 2× III: 2p o0981837	PC25 F00DA	BBB BBB					
1(N08~b) 1× III: 1u o0981901	NUM F00F5	# #	𠂔 𠂔				
2(N08~b) 4× III: 1p/3u o0981902	PC25 F00F6	# #	𠂔 𠂔				
3(N08~b) 1× III: 1u o0981903	NUM F00F7	# #	𠂔 𠂔				
4(N08~b) 1× III: 1u o0981904	NUM F00F8	# #	𠂔 𠂔				
4(N08~c) 1× III: 1u o0981905	NUM F00F9	# #	𠂔 𠂔				
1(N08~v) 1× III: 1u o0982197	NUM F00FA	𠂔					
1(N08@f)×1(N57) o0981908	NUM F012C	𠂔					
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	𠂔 𠂔					
1(N23) 2× III: 1p/1u o0981989	Pelm F00FE	𠂔 𠂔	𠂔 𠂔				
2(N23) 1× III: 1p o0981990	Pelm F00FF	𠂔 𠂔	𠂔 𠂔				

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

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						

J PC25 Not Encoded: Sequence

This table gives sequences which are not encoded.

PCSL	FONT	CDLI	ATU3	ATU5	MSV01	MSV04	CUSAS
ABGAL 51x III: 42p/9u o0980028 ZATU015	PC25-sq	 F2082  F2083 1	 F2082		 F2082		
ABRIG 2x III: 2p o0980029 ZATU016	PC25-sq	 F2084  F2085 1	 F2085				
 AMAR.1(N02) 2x III: 2p o0980054	PC25-sq	 F222B			 F222B		
 APIN~a.APIN~a 1x IV: 1p o0980066	PC25-sq	 F222D					
ARARMA₂~b 2x IV: 1p; III: 1p o0980070 ZATU034	PC25-sq	 F2274		 F2274			
ARATTA 1x III: 1p o0980071 ZATU035	PC25-sq	 F22A1					
 BU~b.NA₂~a 1x III: 1u o0980127	UNP	 F222E					
 BULUG₃.DU₆~a o0980131	ZERO	 F222F					 F222F
 DA~a.LIŠ 1x III: 1u o0980138	UNP	 F2230					
 E₂~a.LIŠ 1x III: 1u o0980298	UNP	 F2232					
 E₂~b.LIŠ 1x III: 1u o0980302	UNP	 F2234					
E₃~a 2x IV: 1u; III: 1p/1u o0980306 ZATU132	UNP	 F2231					
 EN₂.E₂~a 4x III: 1p/3u o0980318	PC25-sq	 F2237					
 EN₂.E₂~b AKA: EN ₂ ~b.E ₂ ~b 21x III: 7p/14u o0980319	PC25-sq	 F2238			 F2238		
ENDIB 6x III: 6p o0980320 ZATU139	PC25-sq	 F2236	 F2236				

ENGIZ	PC25-sq	 F20C8 1 F20C9 2 F20CA	 F20C8	 F20C8	 F20C8	 F20C8
21x III: 20p/1u	o0980321	ZATU140				
ENKUM	PC25-sq	 F20CB 1 F20CC	 F20CB			
13x III: 9p/4u	o0980322	ZATU141				
ENLIL	ZERO	 F2235	 F2235			
	o0980323	ZATU142				
ERIM ₂	PC25-sq	 F2255	 F2255			 F2255
22x III: 18p/4u	o0980329	ZATU144				
GA~a.ZATU753	PC25-sq	 F20D1 1 F20D2	 F20D1			 F20D2
85x IV: 1u; III: 63p/21u	o0980359	ZATU161				
GIBIL ₆	PC25-sq	 F20E4 1 F20E5	 F20E4	 F20E5		
2x III: 2p	o0980497	ZATU215				
GIR~a.KU ₆ ~a	PC25-sq	 F223E	 F223E			
1x III: 1p	o0980501					
GIR~b.GIR~b	PC25-sq	 F223F	 F223F	 F223F		
4x III: 4p	o0980503					
GIŠ.TE	PC25-sq	 F2242	 F2242		 F2242	 F2242
27x III: 24p/3u	o0980521	ZATU226				
GIZZAL~v	UNP	 F223C	 F223C			
CDLI: GIZZAL~x						
1x III: 1u	o0980540	ZATU231				
GU ₄ .ZATU755~b	PC25-sq	 F2244	 F2244	 F2244		
AKA: GU ₄ .ZATU755~a						
CDLI: GU ₄ .ZATU755~a						
1x IV: 1p; III: 1p	o0980544					
GUUKKAL~a.HI@g~a	PC25-sq	 F2245	 F2245	 F2245		
2x IV: 2p; III: 2p	o0980558	ZATU241				
HI.SUHUR	PC25-sq	 1 F20F6 2 F20F7 F20F5	 F20F6	 F20F7	 F20F5	
7x IV: 2u; III: 2p/3u	o0980580	ZATU256				

HI×LAGAB~a	PC25-sq						
3× III: 3p	o0980581						
(HI×1(N57)).(HI×1(N57))	PC25-sq						
CDL: (HI×1(N57))&(HI+1(N57))							
1× III: 1p	o0980586						
ILDUM~a	PC25-sq						
1× IV: 1p	o0980604	ZATU263					
ILDUM~b	PC25-sq						
4× III: 4p	o0980605	ZATU263					
IR~a.GA ₂ ~a1	PC25-sq						
1× III: 1p	o0980612						
IR ₁₁	PC25-sq						
9× III: 5p/4u	o0980616	ZATU268					
KA~a.ŠE~a	PC25-sq						
1× III: 1p	o0980622	ZATU274					
KAK~a.GA ₂ ~a1	PC25-sq						
3× III: 3p	o0980636						
KAR	PC25-sq						
7× IV: 2u; III: 5p/1u	o0980650	ZATU283					
KINGAL	PC25-sq						
44× IV: 3p; III: 33p/10u	o0980678	ZATU294					
KIR ₁₁	PC25-sq						
22× III: 7p/15u	o0980679						
KU ₆ ~a.1(N02)	PC25-sq						
3× III: 3p	o0980700						
KU ₆ ~a+GIŠ	ZERO						
	o0980701						
KUR~a.E ₂ ~a	PC25-sq						
13× III: 11p/2u	o0980708	ZATU130					
KUR~a.NUNUZ~a1	ZERO						
	o0980709						
KUR~b.E ₂ ~a	UNP						
1× IV: 1u; III: 1p	o0980711	ZATU130					
LAGAB~b.TE	PC25-sq						
10× IV: 1p; III: 9p	o0980754						

LAHTAN ₂	PC25-sq	F2266	F2266			
9× III: 7p/2u	o0980773 ZATU324					
LI	PC25-sq	F2126 F2127		F2126		
7× III: 7p	o0980794 ZATU330	1				
LUGAL	PC25-sq	F212B F212A				
13× IV: 1u; III: 8p/4u	o0980799 ZATU334					
MURUB ₂	PC25-sq	F2259				
5× III: 3p/2u	o0980866 ZATU371					
MUŠEN.UR ₃ -b2	PC25-sq	F213A F213B				
2× IV: 1p/1u	o0980872 ZATU377	1				
MUŠEN.3(N58)	UNP	12924				
1× III: 1u	o0980873					
1(N02).RU	PC25-sq	125BE				
1× III: 1p	o0980876					
NAMEŠDA	PC25-sq	F2145 F2144		F2145	F2145	F2145
87× IV: 2p/1u; III: 69p/18u	o0980902 ZATU387	1				
NANNA~a	PC25-sq	F2146 F2147 F2148			F2148 (o)	
11× III: 6p/5u	o0980903 ZATU388	2				
NANNA~b	PC25-sq	F2265				
2× III: 2p	o0980904 ZATU388					
NERGAL~v	PC25-sq	F2240		F2240		
CDLI: NERGAL~x						
1× III: 1p	o0980912 ZATU392					
NI-a.RU	PC25-sq	F2256			F2256	
78× III: 78p	o0980918					
NIN	PC25-sq	F225B		F225B	F225B	F225B
107× IV: 1p/1u; III: 68p/37u	o0980933 ZATU400					
NINKUM	PC25-sq	F225C		F225C		
10× III: 10p	o0980969 ZATU412					
NINLIL	PC25-sq	F2233		F2233		
4× III: 4p	o0980970 ZATU413					

NUN~b.U ₄		PC25-sq						
1x III: 1p	o0980988		12978					
SAL.KUR~a		PC25-sq						
50x IV: 3p/1u; III: 35p/12u	o0981042	ZATU201	F2258		F2258	F2258	F2258	
SAL.LAM~b		UNP						
2x III: 2u	o0981043		F225A					
SAL.ME~a		PC25-sq						
AKA: LUKUR 1x III: 1p	o0981044		129A1					
SAL.ŠU ₂		PC25-sq						
2x III: 2p	o0981045		F225F				F225F	
SAL.ZATU751~a		PC25-sq						
CDLI: *SAL.ZATU751~a 1x III: 1p	o0981046		F2260				F2260	
SAL.ZATU751~b		ZERO						
CDLI: *SAL+ZATU751~b	o0981047		F2261				F2261	
SAL.ZATU751~c		PC25-sq						
CDLI: *SAL+ZATU751~c 1x III: 1p	o0981048		F2262					F2262
SIPA		PC25-sq						
6x III: 6p	o0981147		F2178		F2179			
1 F2179								
SUSA		PC25-sq						
1x III: 1p	o0981176	ZATU499	F2250		F2250			
ŠAB~a		PC25-sq						
1 F2189								
79x IV: 5p/1u; III: 66p/10u	o0981187	ZATU504	F2188		F218A	F2189	F218A	
2 F218A								
ŠAB~b		PC25-sq						
9x III: 9p	o0981188	ZATU504	1 F218C					
			F218B					
ŠANDANA~a		PC25-sq						
2x III: 2p	o0981198		F223B					
ŠANDANA~b		UNP						
1x III: 1u	o0981199		F223A					
ŠE~a.GAR		PC25-sq						
2x III: 2p	o0981201		F2228					F2228
1 F2229								
ŠE~a.KIN ₂ ~c		PC25-sq						
5x III: 5p	o0981202	ZATU512	F2190		F2191			
1 F2191								

ŠE~a.NAM ₂	PC25-sq					
AKA: ŠE~a×NAM ₂ ŠE~a×NAM ₂ 109× IV: 10p; III: 64p/39u	o0981203 ZATU513	1 				
ŠELU	PC25-sq					
32× IV: 25p; III: 6p/1u	o0981211 ZATU520					
ŠU ₂ .AN	UNP					
AKA: ŠU ₂ +AN ŠU ₂ .AN ŠU ₂ ×AN 4× III: 2u	o0981253					
ŠU ₂ .E ₂ ~a	PC25-sq					
9× III: 8p/1u	o0981254 ZATU535					
ŠU ₂ .E ₂ ~b	PC25-sq					
13× III: 10p/3u	o0981255 ZATU535					
ŠU ₂ .EN~a	PC25-sq	 				
40× IV: 9p/3u; III: 27p/4u	o0981256 ZATU536	1 2 				
ŠU ₂ .EN~b	UNP					
2× IV: 2u	o0981257 ZATU536					
ŠU ₂ .GIŠ	ZERO					
	o0981258					
ŠU ₂ .((HI×1(N57))&(HI×1(N57)))	PC25-sq					
AKA: ŠU ₂ .((HI+1(N57))+(HI+1(N57))) CDL: ŠU ₂ .((HI+1(N57))+(HI+1(N57))) 1× III: 1p	o0981259					
ŠU ₂ .PAP~a	PC25-sq					
1× III: 1p	o0981260					
ŠU ₂ .URI ₃ ~a	PC25-sq					
1× III: 1p	o0981261					
ŠU ₂ .1(N02)	UNP					
2× IV: 1u; III: 1p/1u	o0981262					
ŠU ₂ .1(N24)	PC25-sq					
AKA: ŠU ₂ ×1(N24) 1× III: 1p	o0981263					
ŠURUPPAK~a	PC25-sq	 				
48× IV: 3u; III: 37p/10u	o0981273 ZATU544	1 				
ŠURUPPAK~b	PC25-sq	 	 			
10× IV: 1u; III: 8p/2u	o0981274 ZATU544					

TIDNUM		PC25-sq						
1× III: 1p	o0981301	ZATU552	F2241					
TUG ₂ ~a.BAD&BAD		PC25-sq						
CDL: TUG ₂ ~a.(BAD&BAD)								
35× IV: 1p/2u; III: 23p/10u	o0981307	ZATU556 ZATU558	1 F21B9					
TUR ₃ ~a.5(N57)		PC25-sq						
1× III: 1p	o0981324							
U ₄ .ŠU ₂		PC25-sq						
11× IV: 2p; III: 9p/2u	o0981333	ZATU568	F2275					
U ₄ .1(N08)		PC25-sq						
48× III: 32p/16u	o0981334		F2276					
U ₄ .2(N08)		PC25-sq						
12× IV: 1p; III: 11p	o0981335		F2277					
U ₄ .3(N08)		PC25-sq						
10× III: 8p/2u	o0981336		F2278					
U ₄ .4(N08)		PC25-sq						
2× III: 2p	o0981337		F2279					
U ₄ .5(N08)		PC25-sq						
6× III: 5p/1u	o0981338		F227A					
U ₄ .6(N08)		PC25-sq						
4× III: 4p	o0981339		F227B					
U ₄ .7(N08)		PC25-sq						
2× III: 1p/1u	o0981340		F227C					
U ₄ .8(N08)		PC25-sq						
1× III: 1p	o0981341		F227D					
U ₄ .1(N14)		PC25-sq						
1× III: 1p	o0981342		F227E					
U ₄ .1(N14).1(N08)		PC25-sq						
AKA: (U ₄ +1(N14)).1(N08)								
1× III: 1p	o0981343							
U ₄ .1(N14).3(N08)		PC25-sq						
CDL: U ₄ .(1(N14).3(N08))								
2× III: 2p	o0981344							
U ₄ .1(N14).4(N08)		PC25-sq						
CDL: U ₄ .(1(N14).4(N08))								
1× III: 1p	o0981345							
U ₄ .1(N14).5(N08)		PC25-sq						
CDL: U ₄ .(1(N14).5(N08))								
4× III: 2p/2u	o0981346							
U ₄ .1(N14).8(N08)		PC25-sq						
CDL: U ₄ .(1(N14).8(N08))								
1× III: 1p	o0981347							
U ₄ .2(N14)		PC25-sq						
2× III: 2p	o0981348							

U ₄ .1(N24)	PC25-sq									
3× III: 3p	o0981349		F2284							F2284
U ₄ .x1(N01).5(N08)	PC25-sq									
2× III: 1p/1u	o0981353		F2285						F2285	
U ₄ .x2(N01).X	PC25-sq									
1× III: 1p	o0981356		F2482							
U ₄ .x2(N01).2(N14)	PC25-sq									
1× III: 1p	o0981357		F2286							
U ₄ .x2(N01).2(N14).1(N08)	PC25-sq									
CDL: U ₄ .x2(N01).(2(N14).1(N08))			F2287					F2287		
1× III: 1p	o0981358									
U ₄ .x3(N01).3(N08)	UNP									
1× III: 1u	o0981360		F2288							
U ₄ .x4(N01).2(N14)	UNP									
1× III: 1u	o0981362		F2289							
U ₄ .x5(N01).1(N14)	PC25-sq									
1× III: 1p	o0981364		F228A							
U ₄ .x8(N01).X	PC25-sq									
1× III: 1p	o0981367		F2483							
U ₄ .x(1(N14).3(N01)).1(N14).4(N08)	UNP									
AKA: U ₄ .x(1(N14).3(N01)).(1(N14).4(N08))			F253C							
1× III: 1u	o0981374									
URI ₃ -b	PC25-sq									
1× IV: 1p	o0981461	ZATU595	F228C							
URU~a1x1(N57)	PC25-sq									
1× IV: 1p	o0981472	ZATU601	F22B0							
URU~a1x2(N57)	UNP									
1× IV: 1u	o0981473	ZATU601	F22B1							
UŠUMGAL	PC25-sq									
5× III: 3p/2u	o0981495	ZATU607	F2239							
UZ-a	PC25-sq									
6× III: 1p/2u	o0981506	ZATU611	F21D6							
1			F21D7							
X ₂	PC25-sq									
AKA: 2(N57).DU ₆ ~a@n			12BED							
1× III: 1p	o0981508									
ZABALAM-a	PC25-sq									
AKA: ZABALA~a			F224F							
48× III: 31p/17u	o0981510	ZATU613	F224F							
ZABALAM-b	UNP									
1× III: 1u	o0981511	ZATU613	F2251							
ZATU714.RU	PC25-sq									
1× IV: 1p; III: 1p	o0981658	ZATU716	F228F							
			F228F							

1(N57).AB ₂		UNP						
1× III: 1u	o0982202		F2290					
2(N57).AB ₂		PC25-sq						
1× IV: 1p; III: 1p	o0982203	ZATU014	F2291		F2291			
3(N57).AMAR		PC25-sq						
2× III: 1p/1u	o0982204		F2292					
4(N57).AMAR		PC25-sq						
1× III: 1p	o0982205		F2293			F2293		
3(N57).AZ		PC25-sq						
3× III: 3p	o0982206		12BEE					
3(N57).BARxUŠ~a		ZERO						
	o0982207		F2294					F2294
3(N57).BARA ₃		UNP						
1× III: 1u	o0982208		F2295					
2(N57).BIR ₃ ~a		PC25-sq						
1× III: 1p	o0982209		F2296					F2296
1(N57).BU ₃		PC25-sq						
1× III: 1p	o0982210		12BEC					
1(N57).E ₂ ~a		ZERO						
	o0982211		F2297					F2297
3(N57).E ₂ ~b		UNP						
1× III: 1u	o0982212		1 F2222					
3(N57).EN ₂		PC25-sq						
6× III: 6p	o0982213		12BEE					
X(N57).GAR		PC25-sq						
AKA: N(N57).GAR			F24CB			F24CB		
CDL: x(N57).GAR								
1× III: 1p	o0982214							
3(N57).GAR		PC25-sq						
2× III: 2p	o0982215		F2298			F2298		
4(N57).GAR		PC25-sq						
5× III: 5p	o0982216		F2299			F2299		
5(N57).GAR		PC25-sq						
8× III: 8p	o0982217		F229A			F229A		F229A
6(N57).GAR		PC25-sq						
4× III: 3p/1u	o0982218		F229B			F229B		F229B
7(N57).GAR		PC25-sq						
1×	o0982219		12BF ₂					
4(N57).KU ₃ ~a		PC25-sq						
11× III: 11p	o0982220		F229D			F229D		
5(N57).KU ₃ ~a		PC25-sq						
4× III: 4p	o0982221		F229E			F229E		

6(N57).KU _{3~a} 2× III: 2p o0982222 PC25-sq F229F						
2(N57).KU _{6~a} 1× III: 1p o0982223 PC25-sq F22A0						
1(N57).MUŠEN AKA: MUŠEN×1(N57) CDLI: MUŠEN×1(N57) 5× III: 5p o0982224 PC25-sq F22A2 12BEC						
2(N57).MUŠEN AKA: MUŠEN×2(N57) CDLI: MUŠEN×2(N57) 27× IV: 1p; III: 26p/1u o0982225 PC25-sq F22A3 12BED						
3(N57).MUŠEN AKA: MUŠEN×3(N57) CDLI: MUŠEN×3(N57) 1× III: 1p o0982226 PC25-sq F22A4						
3(N57).NUNUZ-a1 23× III: 20p/3u o0982227 ZATU424 PC25-sq F22A5						
3(N57).NUNUZ-c 2× III: 1p/1u o0982228 ZATU424 PC25-sq F22A6						
3(N57).PIRIG~b1 35× IV: 3p/1u; III: 25p/8u o0982229 ZATU429 PC25-sq F22A7						
3(N57).SANGA~a 1× III: 1p o0982230 PC25-sq F22BEE						
3(N57).SI 2× III: 2p o0982231 PC25-sq F22BEE						
1(N57).SIG AKA: SIG×1(N57) CDLI: SIG×1(N57) 1× IV: 1p o0982232 PC25-sq F22A8						
2(N57).SU~a 1× IV: 1u o0982233 UNP F22A9						
1(N57).ŠAH _{2~a} 4× III: 4p o0982234 PC25-sq F22AA						
1(N57).ŠUBUR 40× IV: 8p/1u; III: 27p/10u o0982235 ZATU540 PC25-sq F221F 1 F2220						
2(N57).ŠUBUR 2× III: 2p o0982236 PC25-sq F22AB						
3(N57).ŠUBUR 3× III: 3p o0982237 ZATU540 PC25-sq F22AC						
3(N57).UDU~a o0982238 ZERO ZATU577 F22AD						

2(N57).UDUNITA~a	ZERO							
o0982239		F22AE						
3(N57).UDUNITA~a	ZERO							
o0982240		F22AF						

K PC25 Encoded Exceptional Sequences

This table gives sequences which are encoded because they have some exceptional characteristic.

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ADAB 126A4	PC25  o0980034	 126A4  126A4  126A4  126A4					
ARARMA _{z~a} 126C0	PC25  o0980069	 F208C  126C0					
ASAR 126C1	PC25  o0980073	 126C1		 126C1			
AZ 126C2	PC25  o0980075	 126C2					
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		 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	 12926 F2223		 F2223			
			 o0980878					
3(N58).UR ₃ ~b1 12927		PC25	 12927		 12927			
			 o0980879					
SILANITA 129F5		PC25	 129F5					
			 o0981145					
ŠAGINA 12A1A	 o0981190	PC25	 12A1A		 12A1A			
UDUNITA~a 12AA8		PC25	 12AA8		 12AA8	 12AA8	 12AA8	 12AA8
			 o0981407					
UDUNITA~b 12AA9		PC25	 12AA9		 12AA9			
			 o0981408					
UDUNITA~c 12AAA		PC25	 12AAA		 12AAA			
			 o0981409					
UTUA~a 12AF0		PC25	 12AF0		 12AF0	 12AF0	 12AF0	 12AF0
			 o0981499					
UTUA~a@t 12AF1		PC25	 12AF1		 12AF1			
			 o0981500					
UTUA~b 12AF2		PC25	 F21D5 12AF2		 F21D5	 12AF2		
			 o0981501					
UTUL~a 12AF3		PC25	 12AF3		 12AF3	 12AF3	 12AF3	 12AF3
			 o0981502					
UTUL~b 12AF4		PC25	 12AF4		 12AF4			
			 o0981503					
UTUL~c 12AF5		PC25	 12AF5		 12AF5			
			 o0981504					
UTUL~d 12AF6		PC25	 12AF6		 12AF6			
			 o0981505					
ZUBI~a 12B03		PC25	 12B03					
			 o0981524					

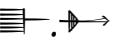
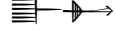
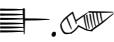
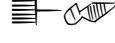
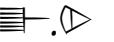
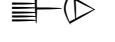
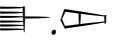
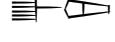
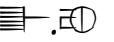
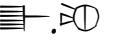
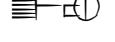
L Sequences Data

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

E ₂ ~b.LIŠ		
E ₂ ~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.SIG ₇		
EN~a.EZEN~b×ŠE~a@t°NUN~a.SIG ₇	F20CB	u12787_u127A2_u12972_u12AE3.liga
▀.		
▀.		
EN~a.ŠE~a@t.EZEN~b.NUN~a.SIG ₇		
EN~a.BAHAR ₂ ~b°SIG ₇ .ME~a.NUN~a	F20CC	u12787_u126CB_u129C9_u12908_u12A74.liga
▀.		
▀.		
EN ₂ .E ₂ ~a		
EN ₂ .E ₂ ~a	F2237	u1278D_u127CA.liga
▀.		
▀.		
EN ₂ .E ₂ ~b		
EN ₂ .E ₂ ~b	F2238	u1278D_u127CE.liga
▀.		
▀.		
EŠDA.NAM ₂		
EŠDA.NAM ₂	F2144	u12792_u12A23.liga
▀.		
▀.		
EŠDA.NAM ₂		
EŠDA+NAM ₂	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
▀.		
▀.		

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

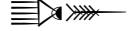
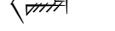
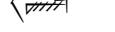
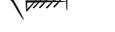
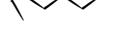
GIŠ.TE		
GIŠ.TE	F2242	
—.※		u12820_u12BB9.liga
————— GIŠ@t.E ₂ ~a		
GIŠ@t.E ₂ ~a	F2243	
.■■■■■		u12826_u127CA.liga
————— GU ₄ .ZATU755~b		
GU ₄ .ZATU755~b	F2244	
▷.{}		u12833_u12D7C.liga
————— GUKKAL~a.HI@g~a		
GUKKAL~a.HI@g~a	F2245	
⊕.■■■■■		u1283D_u128F0.liga
————— HI.LAGAB~a		
HI.LAGAB~a	F2246	
◇.○		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.GA ₂ ~a1		
IR~a.GA ₂ ~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.GA ₂ ~a1		
KAK~a.GA ₂ ~a1	F2248	
▷.□		u12874_u12815.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.TE		
LAGAB~b.TE	0	
		u128CF_u12BB9.liga
ME~a.EN~a.ŠE~a.ŠA		
ME~a.EN~a.ŠE~a.ŠA		
	F224E	u12908_u12787_u12A22_u12B37.liga
MUŠ 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

MUŠEN.ŠE~a		
MUŠEN.ŠE~a		
MUŠEN.UR ₃ ~b2		
MUŠEN.UR ₃ ~b2		
MUŠEN.UR ₃ ~b2		
MUŠEN.UR ₃ ~b2 ~1		
1(N02).RU		
1(N02).RU		
NAGAR~a.BU~a		
NAGAR~a.BU~a		
NAGAR~a.BU~a		
NAGAR~b.BU~a		
NE~a.GI		
NE~a°GI		
NE~a.GI		
NE~c°GI		
NE~a.RU		
NE~a.RU		
NI~a.RU		
NI~a.RU		
NUN~a.ME~a		
NUN~a.ME~a		
NUN~a.ME~a		
NUN~a+ME~a		
NUN~a.ME~a.DU		
NUN~a.ME~a.DU		
NUN~b.U ₄ .U ₄ .1(N14).1(N08)		
NUN~b.U ₄	0	

PA~a.IB~a		F2189		u12981_u128F4.liga
PA~a.IB~a		F2188		u12981_u128F4.liga.cv01
PA~a.IB~a		F218A		u12981_u128F4.liga.cv02
PA~a.TE.SI		F2257		u12981_u12A62_u12AC7.liga
PA~a.UDU~a		F2178		u12981_u12C25.liga
PA~a.UDU~a		F2179		u12981_u12C25.liga.cv01
PAP~a.IB~a		F218B		u12985_u128F4.liga
PAP~a.IB~a		F218C		u12859_u12A91.liga
SAL.KUR~a		F2258		u129A1_u1296C.liga
SAL.LAGAR~a		F2259		u129A1_u129A0.liga
SAL.LAM~b		F225A		u129A1_u129B1.liga
SAL.ME~a		0		u129A1_u129E2.liga
SAL.NAM ₂		F225B		u129A1_u12A23.liga
SAL.NAM ₂ ,EZEN~b>ŠE~a.NUN~a.SIG ₇		F225C		u129A1_u12939_u127A2_u12972_u12AE3.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

ŠE~a.ŠA		
ŠA°ŠE~a		F2127
		u12A0F_u12B52.liga
ŠELU		
ŠE~a.GUG ₂		F2264
		u12A22_u128C8.liga
ŠEŠ~a.NA~a		
ŠEŠ~a.NA~a		F2265
		u12A32_u12A0B.liga
ŠITA~a1.MUD ₃ ~a		
ŠITA~a1.MUD ₃ ~a		F2266
		u12A39_u129EF.liga
ŠU ₂ .E ₂ ~a		
ŠU ₂ .E ₂ ~a		F2267
		u12A4A_u127CA.liga
ŠU ₂ .E ₂ ~b		
ŠU ₂ .E ₂ ~b		F2268
		u12A4A_u127CE.liga
ŠU ₂ .EN~a		
ŠU ₂ .EN~a		F21A8
		u12A4A_u127D9.liga
ŠU ₂ .EN~a ~1		
ŠU ₂ .EN~a ~1		F21A6
		u12A4A_u127D9.liga.cv01
ŠU ₂ .EN~a ~2		
ŠU ₂ .EN~a ~2		F21A7
		u12A4A_u127D9.liga.cv02
ŠU ₂ .EN~b		
ŠU ₂ .EN~b		F2269
		u12A4A_u127DA.liga
ŠU ₂ .GIŠ		
ŠU ₂ .GIŠ		F226A
		u12A4A_u128A7.liga
ŠU ₂ .(HI×1(N57).HI×1(N57))		
ŠU ₂ .(HI×1(N57)).(HI×1(N57))		F226B
		u12A4A_u12853_u128EC.liga
ŠU ₂ .PAP~a		
ŠU ₂ .PAP~a		F226C
		u12A4A_u12A91.liga

ŠU ₂ .PAP~a.AN		
ŠU ₂ .AN	(*)	
<.*	F226D	<*
		u12A4A_u126CC.liga

ŠU ₂ .URI ₃ ~a		
ŠU ₂ .URI ₃ ~a	(
<.*	F226E	<~~
		u12A4A_u12C5F.liga

ŠU ₂ .1(N02)		
ŠU ₂ .1(N02)	(
<.*	F226F	<
		u12A4A_u125BE.liga

ŠU ₂ .1(N24)		
ŠU ₂ .1(N24)	(
<.*	F2270	<□
		u12A4A_u125AA.liga

ŠU ₂ .2(N57)		
ŠU ₂ .2(N57)	(
<.*	F2271	<=
		u12A4A_uF0111.liga

TE.A		
TE.A	(
※.*	F2272	※
		u12A62_u12690.liga

TUG ₂ ~a.BAD&BAD		
TUG ₂ ~a.BAD&BAD	(
≡.*	F21B8	≡
		u12A6B_u126E0.liga

TUG ₂ ~a.BAD&BAD		
TUG ₂ ~a@g.BAD&BAD	(
≡.*	F21B9	≡
		u12A6C_u126E0.liga

TUR ₃ ~a.5(N57).5(N57)		
TUR ₃ ~a.5(N57)	(
≡.*	F2273	≡≡≡
		u12A79_uF0114.liga

U ₄ .AB~b		
U ₄ .AB~b	(
♪.⟨	F2274	♪⟨
		u12A7F_u126A3.liga

U ₄ .ŠU ₂		
U ₄ .ŠU ₂	(
♪.⟨	F2275	♪⟨
		u12A7F_u12B98.liga

U ₄ .1(N08)		
U ₄ .1(N08)	(
♪.○	F2276	♪○
		u12A7F_u12559.liga

U ₄ .2(N08)		
U ₄ .2(N08)	(
♪.◻	F2277	♪◻
		u12A7F_u1255A.liga

U ₄ .3(N08)		
U ₄ .3(N08)		 F227A
♪.♩		♪.♩ u12A7F_u1255B.liga
hr	hr	hr
U ₄ .4(N08)		
U ₄ .4(N08)		 F227B
♪.♩♩		♪.♩♩ u12A7F_u1255C.liga
hr	hr	hr
U ₄ .5(N08)		
U ₄ .5(N08)		 F227A
♪.♩♩		♪.♩♩ u12A7F_u1255D.liga
hr	hr	hr
U ₄ .6(N08)		
U ₄ .6(N08)		 F227B
♪.♩♩		♪.♩♩ u12A7F_u1255E.liga
hr	hr	hr
U ₄ .7(N08)		
U ₄ .7(N08)		 F227C
♪.♩♩		♪.♩♩ u12A7F_u1255F.liga
hr	hr	hr
U ₄ .8(N08)		
U ₄ .8(N08)		 F227D
♪.♩♩		♪.♩♩ u12A7F_u12560.liga
hr	hr	hr
U ₄ .1(N14)		
U ₄ .1(N14)		 F227E
♪.●		♪.● u12A7F_u12562.liga
hr	hr	hr
U ₄ .1(N14).1(N08)		
U ₄ .1(N14).1(N08)	0	 F227F
♪.●.○		♪.●.○ u12A7F_u12562_u12559.liga
hr	hr	hr
U ₄ .1(N14).3(N08)		
U ₄ .1(N14).3(N08)		 F2280
♪.●.♩		♪.●.♩ u12A7F_u12562_u1255B.liga
hr	hr	hr
U ₄ .1(N14).4(N08)		
U ₄ .1(N14).4(N08)		 F2281
♪.●.♩♩		♪.●.♩♩ u12A7F_u12562_u1255C.liga
hr	hr	hr
U ₄ .1(N14).5(N08)		
U ₄ .1(N14).5(N08)		 F2282
♪.●.♩♩		♪.●.♩♩ u12A7F_u12562_u1255D.liga
hr	hr	hr
U ₄ .1(N14).8(N08)		
U ₄ .1(N14).8(N08)		 F2283
♪.●.♩♩		♪.●.♩♩ u12A7F_u12562_u12560.liga
hr	hr	hr
U ₄ .2(N14)		
U ₄ .2(N14)		 F2284
♪.●		♪.● u12A7F_u12563.liga
hr	hr	hr

$ U_4 \cdot 1(N24) $			
$ U_4 \cdot 1(N24) $			$u12A7F_u125AA.liga$
$\diamond \square$			
<hr/>			
$ U_4 \times 1(N01).5(N08) $			
$ U_4 \times 1(N01).5(N08) $			$u12A80_u1255D.liga$
$\diamond \square \square$			
<hr/>			
$ U_4 \times 2(N01).2(N14) $			
$ U_4 \times 2(N01).2(N14) $			$uF2481_u12563.liga$
$\diamond \bullet$			
<hr/>			
$ U_4 \times 2(N01).2(N14).1(N08) $			
$ U_4 \times 2(N01).2(N14).1(N08) $			$uF2481_u12563_u12559.liga$
$\diamond \bullet \square$			
<hr/>			
$ U_4 \times 3(N01).3(N08) $			
$ U_4 \times 3(N01).3(N08) $			$u12A82_u1255B.liga$
$\diamond \square$			
<hr/>			
$ U_4 \times 4(N01).2(N14) $			
$ U_4 \times 4(N01).2(N14) $			$u12A83_u12563.liga$
$\diamond \bullet$			
<hr/>			
$ U_4 \times 5(N01).1(N14) $			
$ U_4 \times 5(N01).1(N14) $			$u12A84_u12562.liga$
$\diamond \bullet$			
<hr/>			
$ U_4 \times (1(N14).3(N01)).1(N14).4(N08).1(N14).4(N08) $			
$ U_4 \times (1(N14).3(N01)).1(N14).4(N08) $			$uF253C_u12562_u1255C.liga$
$\diamond \bullet \square \square$			
<hr/>			
$ URI_3 \sim a.AB \sim a $			
$ URI_3 \sim a.AB \sim a $			$u12AD4_u12698.liga$
	F228C		
<hr/>			
$ URI_3 \sim a.IB \sim a $			
$ URI_3 \sim a.IB \sim a $			$u12AD4_u128F4.liga$
	F228D		
<hr/>			
$ URI_3 \sim a.NA \sim a $			
$ URI_3 \sim a^oNA \sim a $			$u12AD4_u12A0B.liga$
	F2147		
<hr/>			
$ URI_3 \sim a.NA \sim a $			
$ URI_3 \sim a.NA \sim a $			$u12AD4_u12A0B.liga.cv01$
	F2146		
<hr/>			
$ URI_3 \sim a.NA \sim a $			
$ URI_3 \sim a.NA \sim a \sim 1$			$u12AD4_u12A0B.liga.cv02$
	F2148		

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
≡ .Σ		
u12BEE_u126C5.liga		

4(N57).AMAR		
4(N57).AMAR		F2293
≡ .Σ		
u12BEF_u126C5.liga		

3(N57).AZ		
3(N57).AZ		0
≡ .AZ		
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
- .BU		
u12BEC_u12718.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	0	≡ *	
3(N57).EN ₂			
≡ . *		≡ *	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

3(N57).LAM~a.KUR~a.RU		
3(N57).LAM~a.KUR~a.RU		
=.		
-----	-----	-----
1(N57).MUŠEN		
1(N57).MUŠEN		
-.		
-----	-----	-----
2(N57).MUŠEN		
2(N57).MUŠEN		
=.		
-----	-----	-----
3(N57).MUŠEN		
3(N57).MUŠEN		
=.		
-----	-----	-----
3(N57).NNUUZ~a1		
3(N57).NNUUZ~a1		
=.		
-----	-----	-----
3(N57).NNUUZ~c		
3(N57).NNUUZ~c		
=.		
-----	-----	-----
3(N57).PIRIG~b1		
3(N57).PIRIG~b1		
=.		
-----	-----	-----
3(N57).RU		
3(N57).RU		
=.		
-----	-----	-----
3(N57).RU		
3(N57).RU ~1		
=.		
-----	-----	-----
3(N57).SANGA~b		
3(N57).SANGA~a		
=.		
-----	-----	-----
3(N57).SI		
3(N57).SI		
=.		
-----	-----	-----
1(N57).SIG		
1(N57).SIG		
-.		
-----	-----	-----
2(N57).SU~a		
2(N57).SU~a		
=.		
-----	-----	-----

1(N57).ŠAH₂~a		
1(N57).ŠAH₂~a		
- .	F22AA	-  u12BEC_u12B49.liga

1(N57).ŠUBUR		
ŠUBUR×1(N57)		
	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 sequence are grouped under a single @sign. The sign name is composed of a conventional ordering of the sequence, with each component joined by periods ('.'). Each sign name is unique among the set of sign names. If there is an attested simple linear sequence for a sequence character, that form is selected for the character name. The mnemonically named LUGAL occurs in a simple linear sequence as |GAL~a.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.