Proposal to Encode Proto-Cuneiform

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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 millenium BCE in Uruk, a region between the Tigris and Euphrates rivers, in what in 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' and 'Early Dynastic Cuneiform' blocks in Unicode contain 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.

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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 supersedes 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: Spaturuk-Zeit und Frhudynastische 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 palegraphical 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. The entry 'Clay bullae and numerical tablets' in the Writing Phase column is the equivalent of the periodic classification Uruk V. Only small groups of texts are omitted from the subsequent Late Uruk (Uruk IV and Uruk III) into the Jemdet Nasr period (examples include Uqair, Larsa). For ED I–II we have 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 the later Uruk III is not based on stratigraphy but on formal and palaeographic features. About 100 tablets and bullae are assigned to the Uruk V period which precedes Uruk IV by an uncertain amount of time.

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 place beside, above, or otherwise near each other

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

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

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

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.

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 earlist 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 Ṣalabīkh 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.

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

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 discussion 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 neces(s)arily ultimately, beyond the purview of the project cuneiform encoding" [L2/00-398]. When the principles for encoding the cuneiform script were set out in [L2/03-162], the question of unification with the script of the archaic period was left open.

The initial scope of the encoding covered the cuneiform script as used from the Ur III period through the first millennium, although a few distinctions only apparent in the Early Dynastic period, such as IM vs. NI_2, 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 glyphic range would be minor compared to its current extent; consider the variety of glyphs for U+1214B CUNEIFORM SIGN IL, from Early Dynastic IIIb to Old Babylonian and Neo-Assyrian. Indeed the glyphs of some proto-cuneiform signs would lie within the glyphic range of some archaizing Early Dynastic inscriptions: compare the sign LAK500 or on the shoulder of the ED IIIb statue of [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

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

corpus, Englund makes major changes to the identification of signs, which have been followed in proto-cuneiform studies since:

1. Switching to a system of opaque sign names without interpretation, for instance, always GAR for the proposed U+127EF PROTO-CUNEIFORM SIGN GAR regardless of context rather than a context-dependent reading gar (heap), niŋ$_2$ (thing), or ninda (bread) and interchangeable GAR, NIŊ$_2$, or NINDA when referring to the abstract sign for U+120FB CUNEIFORM SIGN GAR.
2. Avoiding sign names based on Sumerian readings of sign sequences, so that is generally transliterated as a sequence, MUŠEN ŠE$_a$, 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 CUNEIFORM SIGN BI (=KAŠ).

The classification of allographs can reveal semantic contrasts; for instance, the signs KAŠ$_a$ and 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 KAŠ$_b$ and 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 MES and DUB, an interoperable encoding is obtained based on the reading: a sign read mes is encoded as U+12229, and a sign read dub is encoded as U+1207E. However, if the proto-cuneiform approach is followed and the sign is invariably transliterated as DUB, the resulting encoding may be incompatible with the one based on a Sumerian reading; see the example of the personal name mes-lu$_2$-nu-še$_3$ in Section 3.1.

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

The same holds for the avoidance of readings of sign sequences; an interoperable encoding of cuneiform is achieved by reading it as nunuz uz^{mušen} "duck eggs", and accordingly using the UZ sign, U+122BB, whereas is read as sila$_3$ še mušen niga "sila of barley for fattening the birds", and thus encoded using the sequence (U+122BA, U+12137). In general, this means that in the cuneiform script, interoperability is retained regardless of whether a particular diri (compound sign sequence) is encoded as a sequence, like or , or atomically, like or . In contrast, most transliterations of proto-cuneiform texts involving ducks transliterate them as a sequence, MUŠEN ŠE$_a$. Even ignoring this inconsistency of encoding between fourth and third millennium texts in a putative unified encoding, a further problem would arise from the occasional transliteration that lets itself be influence by a Sumerian reading: a few transliterations, primarily those of composite lexical texts, use compound readings such as UZa. If these were encoded as cuneiform, the composites would then use the atomic signs, and would have an encoding inconsistent with their witnesses.
Finally, the opaque labels used as sign names, while initially based on an educated guess at the cuneiform reflex, need to be stable, and are therefore retained even when they prove to be incorrect as mappings to cuneiform signs; for instance, the proto-cuneiform sign ŠITA$_{b3}$ turns out not to be related to ŠITA, but instead to SILA$_x$(LAK636) [Wag16, p. 220]; proto-cuneiform KAB is not the ancestor of cuneiform KAB, but instead that of ḪUB$_2$ and TUKU [Wag16, p. 274], a misnomer perhaps attributable to the second millennium –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 IM$_a$ and NI$_2$ into cuneiform TE, IM, and NI$_2$, or [Wag16, p. 220] on the three proto-cuneiform ancestors of LAK636. In many cases, it is still poorly understood and may remain so.
These structural incompatibilities in the analysis of character identity, which stem from a now well-established approach to the fourth millennium texts ultimately motivated by the avoidance of assumptions about their language, therefore require a disunified approach.

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 multivalent 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

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

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

there are key features of the writing system that depart from the earlier PC practices, and by analysis of both personal names and the contexts of the texts that they are written in Sumerian language:

> We decided to follow in the transliteration the system that is commonly accepted for Sumerian, thus in small type and in accordance with the values of the signs available on the e-PSD website or in aBZL. We did not adopt the codes applied to the archaic texts from Uruk and Jemdet Nasr, although the transliteration available for lexical tablets in ATU 3 follows such a system for the ED I-II period. This choice is justified by the fact that the signs in the texts from Ur do not seem to present the same variants as their archaic forerunners: for example, the different shapes of E_2 cannot be classified into E_2~a, E_2~b...; furthermore, some signs have no variant, such as DU_8, which is always drawn according to a standard and well known shape. Second, as the language of these texts is undoubtedly Sumerian, it would have been unnecessary to use such values: instead of writing such cumbersome transliterations as DUB~a-LU_2-NU-$ŠE_3$ or EN~a-GAN~a-GI4~a, it was accordingly more convenient to propose directly Mes-lu_2-nu-$še_3$ and En-$ḫe_2$-gi_4. (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.

Figure 9: Signs for dairy products, after Englund.

– a lack of subdivision of cases similar to the Late Uruk period.
– total expressed as gu_2-an-$še_3$.

Other features are very specific to the ED I–II period, such as the clumsy form of many tablets and the random disposition of columns. (Lecompte 2016: 142).

After discussion among the proposal authors and Robin Leroy, we have determined that it is preferable to establish the end of the Uruk III period as the cutoff for Unicode PC encoding, and to assign the ED I-II signiary 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. An assignment of `Script_Extensions=Pcun Xsux` will be proposed for these signs in future documents as they are identified.
Signs which occur only in ED I-II texts will be evaluated for encoding in SAC in the future, as will signs that first occur in ED I-II and recur in later periods.

4 Materials for Encoding Proto-Cuneiform

This section of the proposal gives an overview of the Proto-Cuneiform (PC) corpus and character set. Based on existing scholarship and published resources, it also defines some principles for assessing whether a given character should be considered encodable in Unicode at the present time. Applying these principles to the complete Proto-Cuneiform character set, a proposed encodable repertoire is also provided.
The complete repertoire is called here the Proto-Cuneiform Sign List (PCSL). The encodable subset and the associated documentation are called PC25, for Proto-Cuneiform 2025.
The description and definition of PCSL and PC25 are intertwined, and we do not attempt to treat them in a separate, linear way. Rather, the PC corpus is taken as the foundation and criteria are established for the defining the subcorpus that should be fully represented in PC25. Signs that occur *only* outside of this subcorpus are not considered encodable, but most of the texts that fall outside of this subcorpus are in fact fully covered by PC25 because the unencoded characters affect relatively few texts.
The PC corpus as hosted on the Cuneiform Digital Library Initiative website at is the most important resource for encoding PC because it is 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 [EN01]: R.K. Englund and Nissen, H., *Archaische Verwaltungs- texte aus Uruk: Die Heidelberger Sammlung*, ATU 7, Berlin 2001.

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

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

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

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

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

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

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 supersede ATU1
- Jemdet Nasr (Uruk III) tablets from MSVO1; these supersede Langdon, PI
- Tablets from various locations from MSVO4; this includes non-Uruk tablets which were included in ATU1

- Tablets in private collections from various locations in CUSAS1, CUSAS21, and CUSAS31; these post-date the ATU and MSVO volumes
- Tablets from the "Erlenmeyer Collection"; these were to be published in MSVO3 which has not yet appeared; many of them have been edited by Englund and others in various publications, however

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 neglible, 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 PI.

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

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

The sign lists are based on exhaustive scholarly reassessments of individual portions of the PC corpus and make extensive use of the contrastive notations with subscript letters+numbers, e.g., ABa and ABb. At the same time, these lists gather non-contrastive sign variants under their respective parent signs and this is taken into account in PC25.
Englund's subsequent corpus-edition volumes ATU6 [EN94] and ATU7 [EN01], contain grapheme indices without images of the individual signs.

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 Schoyen 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 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 constitue a 1:1 correspondence with the Unicode approach to characters.
  - Entries may contain several signs under one heading–this is done in CDLI-gh when the several members given are considered non-contrastive.
  - Entries may combine sequences of signs if the sequence is common or interesting.

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

    Signs are also sometimes grouped into sequences when there is a suspected semantic basis for the grouping, even though the grouping might be considered phrasal rather than being a concatenation of

components with specific semantics: examples include the combinations of N57 signs with ideograms where the notation may indicate the age of an animal or some other multiplicative relationship of the number and a commodity. Thus, |1(N57).AB_2| may mean "a one-year-old cow" and could equally well be notated as 1(N57) AB_2–in fact, the corpus instances of such sequences often occur in bothforms.

- 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, signiary, and sign lists, some additional issues influence the Principles.

5.1 (Non-)Constrastive 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 a often a historical dimension where Uruk IV (earlier) and Uruk III (later) forms are presumptively of the same sign: Uruk IV forms tend to have more curves and more complex shapes. For many signs, this analysis is assisted by duplicate manuscripts of word lists ("lexical texts") that give the same text with variant sign forms. Elsewhere,

commodity lists of phrasal constructs can give contextual information on the likelihood that two distinct forms actually belong to the same sign.
Transliteration practices in the CDLI corpus closely mirror the contrastive/non-contrastive distinction. For example, the SAG sign has several different glyph forms but is always transliterated SAG. Conversely, KUŠU$_2$ is a base name that has six different allographs, KUŠU$_2$~a to KUŠU~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, KAR$_2$ is separated as KAR$_2$~a and KAR$_2$~b in CDLI-tc and CDLI-gh, but in the DARA$_3$×KAR$_2$ compounds the only notations that occur are |DARA$_3$~c×KAR$_2$| and |DARA$_3$~d×KAR$_2$|. 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 consituents. The handling of sequences in PCSL–including a list of exceptions which are acutally encoded–is described in a separate section later in this document.

5.3 Principles

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

1. Treat the PC corpus as the primary source of truth about the 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-constrastive 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 Schoyen 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 U_4
- 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 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 GAL_2 and LU_2, or LU_2 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 U_4 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 consituents: ME_3 (EŠDA-tenu), ŠAGINA (modified UŠ form with additional strokes, unclear with this is an UŠ or not), ZUBI~a (NA_2-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	12800	12810	12820	12830	12840	12850	12860	12870	12880	12890	128A0	128B0	128C0	128D0	128E0	128F0
1	12801	12811	12821	12831	12841	12851	12861	12871	12881	12891	128A1	128B1	128C1	128D1	128E1	128F1
2	12802	12812	12822	12832	12842	12852	12862	12872	12882	12892	128A2	128B2	128C2	128D2	128E2	128F2
3	12803	12813	12823	12833	12843	12853	12863	12873	12883	12893	128A3	128B3	128C3	128D3	128E3	128F3
4	12804	12814	12824	12834	12844	12854	12864	12874	12884	12894	128A4	128B4	128C4	128D4	128E4	128F4
5	12805	12815	12825	12835	12845	12855	12865	12875	12885	12895	128A5	128B5	128C5	128D5	128E5	128F5
6	12806	12816	12826	12836	12846	12856	12866	12876	12886	12896	128A6	128B6	128C6	128D6	128E6	128F6
7	12807	12817	12827	12837	12847	12857	12867	12877	12887	12897	128A7	128B7	128C7	128D7	128E7	128F7
8	12808	12818	12828	12838	12848	12858	12868	12878	12888	12898	128A8	128B8	128C8	128D8	128E8	128F8
9	12809	12819	12829	12839	12849	12859	12869	12879	12889	12899	128A9	128B9	128C9	128D9	128E9	128F9
A	1280A	1281A	1282A	1283A	1284A	1285A	1286A	1287A	1288A	1289A	128AA	128BA	128CA	128DA	128EA	128FA
B	1280B	1281B	1282B	1283B	1284B	1285B	1286B	1287B	1288B	1289B	128AB	128BB	128CB	128DB	128EB	128FB
C	1280C	1281C	1282C	1283C	1284C	1285C	1286C	1287C	1288C	1289C	128AC	128BC	128CC	128DC	128EC	128FC
D	1280D	1281D	1282D	1283D	1284D	1285D	1286D	1287D	1288D	1289D	128AD	128BD	128CD	128DD	128ED	128FD
E	1280E	1281E	1282E	1283E	1284E	1285E	1286E	1287E	1288E	1289E	128AE	128BE	128CE	128DE	128EE	128FE
F	1280F	1281F	1282F	1283F	1284F	1285F	1286F	1287F	1288F	1289F	128AF	128BF	128CF	128DF	128EF	128FF

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

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

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

6.2 Character List

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

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

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

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

12808 PROTO-CUNEIFORM SIGN GI OVER GI
12809 PROTO-CUNEIFORM SIGN GI OVER GI TIMES GISH TENU
1280A PROTO-CUNEIFORM SIGN GI OVER GI OVER GI
1280B PROTO-CUNEIFORM SIGN GI TENU
1280C PROTO-CUNEIFORM SIGN GI4-A
1280D PROTO-CUNEIFORM SIGN GI4-A TIMES A
1280E PROTO-CUNEIFORM SIGN GI4-B
1280F PROTO-CUNEIFORM SIGN GI4-B OVER GI4-B
12810 PROTO-CUNEIFORM SIGN GI6
12811 PROTO-CUNEIFORM SIGN GIBIL
12812 PROTO-CUNEIFORM SIGN GIR-A
12813 PROTO-CUNEIFORM SIGN GIR-B
12814 PROTO-CUNEIFORM SIGN GIR-C
12815 PROTO-CUNEIFORM SIGN GIR2-A
12816 PROTO-CUNEIFORM SIGN GIR3-A
12817 PROTO-CUNEIFORM SIGN GIR3-A TIMES SHE-B
12818 PROTO-CUNEIFORM SIGN GIR3-B
12819 PROTO-CUNEIFORM SIGN GIR3-C
1281A PROTO-CUNEIFORM SIGN GIR3-C TIMES SHE3
1281B PROTO-CUNEIFORM SIGN GIR3 GUNU-A
1281C PROTO-CUNEIFORM SIGN GIR3 GUNU-B
1281D PROTO-CUNEIFORM SIGN GIR3 GUNU-C
1281E PROTO-CUNEIFORM SIGN GISAL-A
1281F PROTO-CUNEIFORM SIGN GISAL-B
12820 PROTO-CUNEIFORM SIGN GISH
12821 PROTO-CUNEIFORM SIGN GISH TIMES DIN PLUS DIN FORM A
12822 PROTO-CUNEIFORM SIGN GISH TIMES DIN PLUS DIN FORM B
12823 PROTO-CUNEIFORM SIGN GISH TIMES DIN PLUS DIN FORM C
12824 PROTO-CUNEIFORM SIGN GISH TIMES SHU2 FORM A
12825 PROTO-CUNEIFORM SIGN GISH TIMES SHU2 FORM B
12826 PROTO-CUNEIFORM SIGN GISH TENU
12827 PROTO-CUNEIFORM SIGN GISH3-A
12828 PROTO-CUNEIFORM SIGN GISH3-A OVER GISH3-A
12829 PROTO-CUNEIFORM SIGN GISH3-B
1282A PROTO-CUNEIFORM SIGN GISHGAL
1282B PROTO-CUNEIFORM SIGN GISHIMMAR-A1
1282C PROTO-CUNEIFORM SIGN GISHIMMAR-A2
1282D PROTO-CUNEIFORM SIGN GISHIMMAR-A3
1282E PROTO-CUNEIFORM SIGN GISHIMMAR-B1
1282F PROTO-CUNEIFORM SIGN GISHIMMAR-B2
12830 PROTO-CUNEIFORM SIGN GISHIMMAR-B3
12831 PROTO-CUNEIFORM SIGN GU
12832 PROTO-CUNEIFORM SIGN GU2
12833 PROTO-CUNEIFORM SIGN GU4
12834 PROTO-CUNEIFORM SIGN GU4 GUNU
12835 PROTO-CUNEIFORM SIGN GU7
12836 PROTO-CUNEIFORM SIGN GUB3-A
12837 PROTO-CUNEIFORM SIGN GUB3-B
12838 PROTO-CUNEIFORM SIGN GUB3-C
12839 PROTO-CUNEIFORM SIGN GUB3-D
1283A PROTO-CUNEIFORM SIGN GUG2
1283B PROTO-CUNEIFORM SIGN GUG2 TIMES SILA3-A
1283C PROTO-CUNEIFORM SIGN GUG2 TIMES TUR
1283D PROTO-CUNEIFORM SIGN GUKKAL-A
1283E PROTO-CUNEIFORM SIGN GUKKAL-B
1283F PROTO-CUNEIFORM SIGN GUKKAL-C
12840 PROTO-CUNEIFORM SIGN GUKKAL-D
12841 PROTO-CUNEIFORM SIGN GUL
12842 PROTO-CUNEIFORM SIGN GUM-A
12843 PROTO-CUNEIFORM SIGN GUM-B
12844 PROTO-CUNEIFORM SIGN GUM-B NUTILLU
12845 PROTO-CUNEIFORM SIGN GUN3-A
12846 PROTO-CUNEIFORM SIGN GUN3-B
12847 PROTO-CUNEIFORM SIGN GUR
12848 PROTO-CUNEIFORM SIGN GURUSH-A
12849 PROTO-CUNEIFORM SIGN GURUSH-A TIMES TWO N14
1284A PROTO-CUNEIFORM SIGN GURUSH-B
1284B PROTO-CUNEIFORM SIGN GURUSH-B TIMES TWO N14
1284C PROTO-CUNEIFORM SIGN GURUSH-C TIMES TWO N14
1284D PROTO-CUNEIFORM SIGN GURUSHDA
1284E PROTO-CUNEIFORM SIGN HAL
1284F PROTO-CUNEIFORM SIGN HALUB
12850 PROTO-CUNEIFORM SIGN HASHHUR
12851 PROTO-CUNEIFORM SIGN HASHHUR TIMES MA
12852 PROTO-CUNEIFORM SIGN HI
12853 PROTO-CUNEIFORM SIGN HI TIMES ONE N57
12854 PROTO-CUNEIFORM SIGN HI TIMES ONE N57 TENU
12855 PROTO-CUNEIFORM SIGN HI GUNU-A
12856 PROTO-CUNEIFORM SIGN HI GUNU-B
12857 PROTO-CUNEIFORM SIGN HI GUNU-C
12858 PROTO-CUNEIFORM SIGN I
12859 PROTO-CUNEIFORM SIGN IB-A
1285A PROTO-CUNEIFORM SIGN IB-A NUTILLU
1285B PROTO-CUNEIFORM SIGN IB-B
1285C PROTO-CUNEIFORM SIGN IB-C
1285D PROTO-CUNEIFORM SIGN IDIGNA
1285E PROTO-CUNEIFORM SIGN IG-A
1285F PROTO-CUNEIFORM SIGN IG-B
12860 PROTO-CUNEIFORM SIGN IL
12861 PROTO-CUNEIFORM SIGN IM-A
12862 PROTO-CUNEIFORM SIGN IM-B
12863 PROTO-CUNEIFORM SIGN IN-B
12864 PROTO-CUNEIFORM SIGN IN-D

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

128C7 PROTO-CUNEIFORM SIGN LAGAB-A TIMES SHA
128C8 PROTO-CUNEIFORM SIGN LAGAB-A TIMES SHITA-A1
128C9 PROTO-CUNEIFORM SIGN LAGAB-A TIMES TI
128CA PROTO-CUNEIFORM SIGN LAGAB-A TIMES U4
128CB PROTO-CUNEIFORM SIGN LAGAB-A TIMES UB
128CC PROTO-CUNEIFORM SIGN LAGAB-A TIMES ZATU753
128CD PROTO-CUNEIFORM SIGN LAGAB-A TIMES TWO N14
128CE PROTO-CUNEIFORM SIGN LAGAB-A TIMES ONE N58
128CF PROTO-CUNEIFORM SIGN LAGAB-B
128D0 PROTO-CUNEIFORM SIGN LAGAB-B TIMES HI
128D1 PROTO-CUNEIFORM SIGN LAGAB-B TIMES KUR-E
128D2 PROTO-CUNEIFORM SIGN LAGAB-B TIMES PA-A
128D3 PROTO-CUNEIFORM SIGN LAGAB-B TIMES U4
128D4 PROTO-CUNEIFORM SIGN LAGAB-B OVER LAGAB-B
128D5 PROTO-CUNEIFORM SIGN LAGAR-A
128D6 PROTO-CUNEIFORM SIGN LAGAR-A REVERSED
128D7 PROTO-CUNEIFORM SIGN LAGAR-B1
128D8 PROTO-CUNEIFORM SIGN LAGAR-B2
128D9 PROTO-CUNEIFORM SIGN LAGAR-C
128DA PROTO-CUNEIFORM SIGN LAL2-A
128DB PROTO-CUNEIFORM SIGN LAL2-A TIMES NAGA-A
128DC PROTO-CUNEIFORM SIGN LAL2-A TIMES NIM-B2
128DD PROTO-CUNEIFORM SIGN LAL2-B
128DE PROTO-CUNEIFORM SIGN LAL3-A
128DF PROTO-CUNEIFORM SIGN LAL3-B
128E0 PROTO-CUNEIFORM SIGN LAM-A
128E1 PROTO-CUNEIFORM SIGN LAM-B
128E2 PROTO-CUNEIFORM SIGN LAM-B REVERSED
128E3 PROTO-CUNEIFORM SIGN LAM-B TENU
128E4 PROTO-CUNEIFORM SIGN LISH
128E5 PROTO-CUNEIFORM SIGN LU2
128E6 PROTO-CUNEIFORM SIGN LUM
128E7 PROTO-CUNEIFORM SIGN MA
128E8 PROTO-CUNEIFORM SIGN MA TIMES A
128E9 PROTO-CUNEIFORM SIGN MA TIMES MA
128EA PROTO-CUNEIFORM SIGN MA TIMES ONE N58
128EB PROTO-CUNEIFORM SIGN MA2
128EC PROTO-CUNEIFORM SIGN MAGUR-A
128ED PROTO-CUNEIFORM SIGN MAH-A
128EE PROTO-CUNEIFORM SIGN MAH-A TIMES AB2
128EF PROTO-CUNEIFORM SIGN MAH-A TIMES GUKKAL-A
128F0 PROTO-CUNEIFORM SIGN MAH-A TIMES KU6-A
128F1 PROTO-CUNEIFORM SIGN MAH-A TIMES MASH
128F2 PROTO-CUNEIFORM SIGN MAH-A TIMES NA-A
128F3 PROTO-CUNEIFORM SIGN MAH-A TIMES SILA3-A TIMES UMBIN-A
128F4 PROTO-CUNEIFORM SIGN MAH-A TIMES TUG2-A
128F5 PROTO-CUNEIFORM SIGN MAH-A TIMES TUN3-C
128F6 PROTO-CUNEIFORM SIGN MAH-A TIMES UD5-A
128F7 PROTO-CUNEIFORM SIGN MAH-A TIMES UDU-A
128F8 PROTO-CUNEIFORM SIGN MAH-A TIMES UR-A
128F9 PROTO-CUNEIFORM SIGN MAH-A TIMES UTUA-A
128FA PROTO-CUNEIFORM SIGN MAH-A TIMES ZATU659
128FB PROTO-CUNEIFORM SIGN MAH-B
128FC PROTO-CUNEIFORM SIGN MAH-B TIMES NA-A
128FD PROTO-CUNEIFORM SIGN MAH-B TIMES SAL
128FE PROTO-CUNEIFORM SIGN MAR-A
128FF PROTO-CUNEIFORM SIGN MAR-A GUNU
12900 PROTO-CUNEIFORM SIGN MAR-A TENU
12901 PROTO-CUNEIFORM SIGN MAR-B
12902 PROTO-CUNEIFORM SIGN MAR-B TIMES GAR
12903 PROTO-CUNEIFORM SIGN MAR-B TIMES LAGAB-B PLUS SHE3
12904 PROTO-CUNEIFORM SIGN MAR-B TIMES SHE-A
12905 PROTO-CUNEIFORM SIGN MASH
12906 PROTO-CUNEIFORM SIGN MASH2
12907 PROTO-CUNEIFORM SIGN MASH2 GUNU
12908 PROTO-CUNEIFORM SIGN ME-A
12909 PROTO-CUNEIFORM SIGN ME-B
1290A PROTO-CUNEIFORM SIGN ME3
1290B PROTO-CUNEIFORM SIGN MEN-A
1290C PROTO-CUNEIFORM SIGN MEN-B
1290D PROTO-CUNEIFORM SIGN MES
1290E PROTO-CUNEIFORM SIGN MIR-A
1290F PROTO-CUNEIFORM SIGN MIR-B
12910 PROTO-CUNEIFORM SIGN MU
12911 PROTO-CUNEIFORM SIGN MUD
12912 PROTO-CUNEIFORM SIGN MUD3-A
12913 PROTO-CUNEIFORM SIGN MUD3-A GUNU
12914 PROTO-CUNEIFORM SIGN MUD3-B
12915 PROTO-CUNEIFORM SIGN MUD3-C
12916 PROTO-CUNEIFORM SIGN MUD3-D
12917 PROTO-CUNEIFORM SIGN MUL
12918 PROTO-CUNEIFORM SIGN MUN-A1
12919 PROTO-CUNEIFORM SIGN MUN-A2
1291A PROTO-CUNEIFORM SIGN MUN-A3
1291B PROTO-CUNEIFORM SIGN MUN-A4
1291C PROTO-CUNEIFORM SIGN MUN-B
1291D PROTO-CUNEIFORM SIGN MUNSHUB-A
1291E PROTO-CUNEIFORM SIGN MUNSHUB-B
1291F PROTO-CUNEIFORM SIGN MUNU3
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
12929 PROTO-CUNEIFORM SIGN NA-B
1292A PROTO-CUNEIFORM SIGN NA-C
1292B PROTO-CUNEIFORM SIGN NA2-A
1292C PROTO-CUNEIFORM SIGN NA2-B1
1292D PROTO-CUNEIFORM SIGN NA2-B2
1292E PROTO-CUNEIFORM SIGN NA2-C
1292F PROTO-CUNEIFORM SIGN NAB
12930 PROTO-CUNEIFORM SIGN NAGA-A
12931 PROTO-CUNEIFORM SIGN NAGA-A TIMES TAK4-A
12932 PROTO-CUNEIFORM SIGN NAGA-B
12933 PROTO-CUNEIFORM SIGN NAGAR-A
12934 PROTO-CUNEIFORM SIGN NAGAR-B
12935 PROTO-CUNEIFORM SIGN NAM-A
12936 PROTO-CUNEIFORM SIGN NAM-B
12937 PROTO-CUNEIFORM SIGN NAM-C
12938 PROTO-CUNEIFORM SIGN NAM-D
12939 PROTO-CUNEIFORM SIGN NAM2
1293A PROTO-CUNEIFORM SIGN NAM2 TIMES ONE N01
1293B PROTO-CUNEIFORM SIGN NAM2 GUNU
1293C PROTO-CUNEIFORM SIGN NAM2 TENU
1293D PROTO-CUNEIFORM SIGN NANSHE-A
1293E PROTO-CUNEIFORM SIGN NANSHE-B
1293F PROTO-CUNEIFORM SIGN NAR
12940 PROTO-CUNEIFORM SIGN NE-A
12941 PROTO-CUNEIFORM SIGN NE-B
12942 PROTO-CUNEIFORM SIGN NE-C
12943 PROTO-CUNEIFORM SIGN NE-D
12944 PROTO-CUNEIFORM SIGN NESAG2-A
12945 PROTO-CUNEIFORM SIGN NESAG2-B
12946 PROTO-CUNEIFORM SIGN NI-A
12947 PROTO-CUNEIFORM SIGN NI-A GUNU
12948 PROTO-CUNEIFORM SIGN NI-B
12949 PROTO-CUNEIFORM SIGN NI-B TIMES FOUR N57
1294A PROTO-CUNEIFORM SIGN NI-B TIMES EIGHT N57
1294B PROTO-CUNEIFORM SIGN NI2
1294C PROTO-CUNEIFORM SIGN NIGIN
1294D PROTO-CUNEIFORM SIGN NIM-A
1294E PROTO-CUNEIFORM SIGN NIM-B1
1294F PROTO-CUNEIFORM SIGN NIM-B2
12950 PROTO-CUNEIFORM SIGN NIM-B3
12951 PROTO-CUNEIFORM SIGN NIMGIR
12952 PROTO-CUNEIFORM SIGN NINDA2
12953 PROTO-CUNEIFORM SIGN NINDA2 TIMES AN
12954 PROTO-CUNEIFORM SIGN NINDA2 TIMES AN PLUS HI
12955 PROTO-CUNEIFORM SIGN NINDA2 TIMES AN PLUS ME-A
12956 PROTO-CUNEIFORM SIGN NINDA2 TIMES EZEN-B
12957 PROTO-CUNEIFORM SIGN NINDA2 TIMES GAAR-A1
12958 PROTO-CUNEIFORM SIGN NINDA2 TIMES GAR
12959 PROTO-CUNEIFORM SIGN NINDA2 TIMES GISH
1295A PROTO-CUNEIFORM SIGN NINDA2 TIMES GU4
1295B PROTO-CUNEIFORM SIGN NINDA2 TIMES HI
1295C PROTO-CUNEIFORM SIGN NINDA2 TIMES HI PLUS AN PLUS ME-A
1295D PROTO-CUNEIFORM SIGN NINDA2 TIMES HI PLUS ME-A
1295E PROTO-CUNEIFORM SIGN NINDA2 TIMES KASH-B
1295F PROTO-CUNEIFORM SIGN NINDA2 TIMES MAR-A
12960 PROTO-CUNEIFORM SIGN NINDA2 TIMES MAR-B
12961 PROTO-CUNEIFORM SIGN NINDA2 TIMES NUN-A
12962 PROTO-CUNEIFORM SIGN NINDA2 TIMES U4
12963 PROTO-CUNEIFORM SIGN NINDA2 TIMES ZATU659 TIMES ONE N01
12964 PROTO-CUNEIFORM SIGN NINDA2 TIMES ZATU710
12965 PROTO-CUNEIFORM SIGN NINDA2 TIMES ONE N01
12966 PROTO-CUNEIFORM SIGN NINDA2 TIMES TWO N01
12967 PROTO-CUNEIFORM SIGN NINDA2 TIMES ONE N06 PLUS HI GUNU-A
12968 PROTO-CUNEIFORM SIGN NINDA2 TIMES ONE N08
12969 PROTO-CUNEIFORM SIGN NIR-A
1296A PROTO-CUNEIFORM SIGN NIR-A TIMES AN
1296B PROTO-CUNEIFORM SIGN NIR-B
1296C PROTO-CUNEIFORM SIGN NU
1296D PROTO-CUNEIFORM SIGN NU GUNU
1296E PROTO-CUNEIFORM SIGN NU11
1296F PROTO-CUNEIFORM SIGN NU11 OVER NU11
12970 PROTO-CUNEIFORM SIGN NU11 TENU
12971 PROTO-CUNEIFORM SIGN NUMUN
12972 PROTO-CUNEIFORM SIGN NUN-A
12973 PROTO-CUNEIFORM SIGN NUN-A JOINING A
12974 PROTO-CUNEIFORM SIGN NUN-A JOINING EN-A
12975 PROTO-CUNEIFORM SIGN NUN-A JOINING EN-B
12976 PROTO-CUNEIFORM SIGN NUN-A JOINING EN-D
12977 PROTO-CUNEIFORM SIGN NUN-A JOINING NAM2
12978 PROTO-CUNEIFORM SIGN NUN-B
12979 PROTO-CUNEIFORM SIGN NUN-B JOINING EN-A
1297A PROTO-CUNEIFORM SIGN NUN-C
1297B PROTO-CUNEIFORM SIGN NUN-D
1297C PROTO-CUNEIFORM SIGN NUNUZ-A0
1297D PROTO-CUNEIFORM SIGN NUNUZ-A1
1297E PROTO-CUNEIFORM SIGN NUNUZ-A2
1297F PROTO-CUNEIFORM SIGN NUNUZ-B1
12980 PROTO-CUNEIFORM SIGN NUNUZ-C
12981 PROTO-CUNEIFORM SIGN PA-A
12982 PROTO-CUNEIFORM SIGN PA-B
12983 PROTO-CUNEIFORM SIGN PAD-A
12984 PROTO-CUNEIFORM SIGN PAD-B
12985 PROTO-CUNEIFORM SIGN PAP-A

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

129E6 PROTO-CUNEIFORM SIGN SILA3-A TIMES SHU2
129E7 PROTO-CUNEIFORM SIGN SILA3-A TIMES ZATU629
129E8 PROTO-CUNEIFORM SIGN SILA3-A TIMES ZATU646
129E9 PROTO-CUNEIFORM SIGN SILA3-A TIMES ZATU659 PLUS TU-C
129EA PROTO-CUNEIFORM SIGN SILA3-A TIMES ONE N57
129EB PROTO-CUNEIFORM SIGN SILA3-B
129EC PROTO-CUNEIFORM SIGN SILA3-B TIMES GUG2
129ED PROTO-CUNEIFORM SIGN SILA3-B TIMES NAGA-B
129EE PROTO-CUNEIFORM SIGN SILA3-B TIMES NI-A
129EF PROTO-CUNEIFORM SIGN SILA3-B TIMES NI-B
129F0 PROTO-CUNEIFORM SIGN SILA3-C TIMES ZATU687
129F1 PROTO-CUNEIFORM SIGN SILA4-A
129F2 PROTO-CUNEIFORM SIGN SILA4-B
129F3 PROTO-CUNEIFORM SIGN SILA4-C
129F4 PROTO-CUNEIFORM SIGN SILA4-D
129F5 PROTO-CUNEIFORM SIGN SILANITA
129F6 PROTO-CUNEIFORM SIGN SIMUG
129F7 PROTO-CUNEIFORM SIGN SU-A
129F8 PROTO-CUNEIFORM SIGN SU-A TIMES ONE N58
129F9 PROTO-CUNEIFORM SIGN SU-B
129FA PROTO-CUNEIFORM SIGN SU-C
129FB PROTO-CUNEIFORM SIGN SU3
129FC PROTO-CUNEIFORM SIGN SUG
129FD PROTO-CUNEIFORM SIGN SUG5
129FE PROTO-CUNEIFORM SIGN SUH3
129FF PROTO-CUNEIFORM SIGN SUHUR
12A00 PROTO-CUNEIFORM SIGN SUHUR GUNU
12A01 PROTO-CUNEIFORM SIGN SUHUR NUTILLU
12A02 PROTO-CUNEIFORM SIGN SUHUR TENU
12A03 PROTO-CUNEIFORM SIGN SUKKAL
12A04 PROTO-CUNEIFORM SIGN SUKUD
12A05 PROTO-CUNEIFORM SIGN SUKUD JOINING SUKUD FORM A
12A06 PROTO-CUNEIFORM SIGN SUKUD JOINING SUKUD FORM B
12A07 PROTO-CUNEIFORM SIGN SUKUD GUNU-A
12A08 PROTO-CUNEIFORM SIGN SUKUD GUNU-B
12A09 PROTO-CUNEIFORM SIGN SUKUD GUNU-C
12A0A PROTO-CUNEIFORM SIGN SUKUD GUNU-D
12A0B PROTO-CUNEIFORM SIGN SUM-A
12A0C PROTO-CUNEIFORM SIGN SUM-B
12A0D PROTO-CUNEIFORM SIGN SUMASH
12A0E PROTO-CUNEIFORM SIGN SUR
12A0F PROTO-CUNEIFORM SIGN SHA
12A10 PROTO-CUNEIFORM SIGN SHA TIMES HI GUNU-A FORM A
12A11 PROTO-CUNEIFORM SIGN SHA TIMES HI GUNU-A FORM B
12A12 PROTO-CUNEIFORM SIGN SHA GUNU
12A13 PROTO-CUNEIFORM SIGN SHA3-A1
12A14 PROTO-CUNEIFORM SIGN SHA3-A2
12A15 PROTO-CUNEIFORM SIGN SHA3-A2 GUNU
12A16 PROTO-CUNEIFORM SIGN SHA3-B
12A17 PROTO-CUNEIFORM SIGN SHA3-C
12A18 PROTO-CUNEIFORM SIGN SHA3-D
12A19 PROTO-CUNEIFORM SIGN SHAGAN
12A1A PROTO-CUNEIFORM SIGN SHAGINA
12A1B PROTO-CUNEIFORM SIGN SHAH2-A
12A1C PROTO-CUNEIFORM SIGN SHAH2-B
12A1D PROTO-CUNEIFORM SIGN SHAH2-C
12A1E PROTO-CUNEIFORM SIGN SHAKIR-A
12A1F PROTO-CUNEIFORM SIGN SHAKIR-B
12A20 PROTO-CUNEIFORM SIGN SHAKIR-C
12A21 PROTO-CUNEIFORM SIGN SHAM2
12A22 PROTO-CUNEIFORM SIGN SHE-A
12A23 PROTO-CUNEIFORM SIGN SHE-A OVER SHE-A
12A24 PROTO-CUNEIFORM SIGN SHE-A TENU
12A25 PROTO-CUNEIFORM SIGN SHE-B
12A26 PROTO-CUNEIFORM SIGN SHE-C
12A27 PROTO-CUNEIFORM SIGN SHE3
12A28 PROTO-CUNEIFORM SIGN SHE3 TENU
12A29 PROTO-CUNEIFORM SIGN SHEG9
12A2A PROTO-CUNEIFORM SIGN SHEN-A
12A2B PROTO-CUNEIFORM SIGN SHEN-B
12A2C PROTO-CUNEIFORM SIGN SHEN-C
12A2D PROTO-CUNEIFORM SIGN SHEN-C TENU
12A2E PROTO-CUNEIFORM SIGN SHEN-D TIMES A
12A2F PROTO-CUNEIFORM SIGN SHEN-E
12A30 PROTO-CUNEIFORM SIGN SHENNUR-A
12A31 PROTO-CUNEIFORM SIGN SHENNUR-B
12A32 PROTO-CUNEIFORM SIGN SHESH-A
12A33 PROTO-CUNEIFORM SIGN SHESH-B
12A34 PROTO-CUNEIFORM SIGN SHIDIM
12A35 PROTO-CUNEIFORM SIGN SHIM-A
12A36 PROTO-CUNEIFORM SIGN SHIM-B
12A37 PROTO-CUNEIFORM SIGN SHIR-A
12A38 PROTO-CUNEIFORM SIGN SHIR-B
12A39 PROTO-CUNEIFORM SIGN SHITA-A1
12A3A PROTO-CUNEIFORM SIGN SHITA-A1 TIMES KAK-A
12A3B PROTO-CUNEIFORM SIGN SHITA-A1 TIMES SHU
12A3C PROTO-CUNEIFORM SIGN SHITA-A2
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
12A46 PROTO-CUNEIFORM SIGN SHU
12A47 PROTO-CUNEIFORM SIGN SHU TIMES ONE N58
12A48 PROTO-CUNEIFORM SIGN SHU OVER SHU
12A49 PROTO-CUNEIFORM SIGN SHU GUNU
12A4A PROTO-CUNEIFORM SIGN SHU2
12A4B PROTO-CUNEIFORM SIGN SHU12
12A4C PROTO-CUNEIFORM SIGN SHUBUR
12A4D PROTO-CUNEIFORM SIGN SHUM
12A4E PROTO-CUNEIFORM SIGN SHUR2 TIMES ONE N58
12A4F PROTO-CUNEIFORM SIGN SHUR2-A
12A50 PROTO-CUNEIFORM SIGN SHUR2-B
12A51 PROTO-CUNEIFORM SIGN TA-A
12A52 PROTO-CUNEIFORM SIGN TA-B
12A53 PROTO-CUNEIFORM SIGN TA-C
12A54 PROTO-CUNEIFORM SIGN TA-D
12A55 PROTO-CUNEIFORM SIGN TA-E
12A56 PROTO-CUNEIFORM SIGN TAG-A1
12A57 PROTO-CUNEIFORM SIGN TAG-A1 TENU
12A58 PROTO-CUNEIFORM SIGN TAG-A2
12A59 PROTO-CUNEIFORM SIGN TAG-A3
12A5A PROTO-CUNEIFORM SIGN TAG-A4
12A5B PROTO-CUNEIFORM SIGN TAG-B
12A5C PROTO-CUNEIFORM SIGN TAG-C
12A5D PROTO-CUNEIFORM SIGN TAG-D
12A5E PROTO-CUNEIFORM SIGN TAK4-A
12A5F PROTO-CUNEIFORM SIGN TAK4-A NUTILLU
12A60 PROTO-CUNEIFORM SIGN TAK4-C
12A61 PROTO-CUNEIFORM SIGN TAR-A
12A62 PROTO-CUNEIFORM SIGN TE
12A63 PROTO-CUNEIFORM SIGN TI
12A64 PROTO-CUNEIFORM SIGN TI GUNU
12A65 PROTO-CUNEIFORM SIGN TI REVERSED
12A66 PROTO-CUNEIFORM SIGN TI TENU
12A67 PROTO-CUNEIFORM SIGN TILLA2
12A68 PROTO-CUNEIFORM SIGN TU-A
12A69 PROTO-CUNEIFORM SIGN TU-B
12A6A PROTO-CUNEIFORM SIGN TU-C
12A6B PROTO-CUNEIFORM SIGN TUG2-A
12A6C PROTO-CUNEIFORM SIGN TUG2-A GUNU
12A6D PROTO-CUNEIFORM SIGN TUG2-B
12A6E PROTO-CUNEIFORM SIGN TUG2-C
12A6F PROTO-CUNEIFORM SIGN TUM-A
12A70 PROTO-CUNEIFORM SIGN TUM-A GUNU
12A71 PROTO-CUNEIFORM SIGN TUM-B
12A72 PROTO-CUNEIFORM SIGN TUM-C
12A73 PROTO-CUNEIFORM SIGN TUM-D
12A74 PROTO-CUNEIFORM SIGN TUN3-A
12A75 PROTO-CUNEIFORM SIGN TUN3-B
12A76 PROTO-CUNEIFORM SIGN TUN3-C
12A77 PROTO-CUNEIFORM SIGN TUR
12A78 PROTO-CUNEIFORM SIGN TUR GUNU
12A79 PROTO-CUNEIFORM SIGN TUR3-A
12A7A PROTO-CUNEIFORM SIGN TUR3-B
12A7B PROTO-CUNEIFORM SIGN TUR3-C
12A7C PROTO-CUNEIFORM SIGN U2-A
12A7D PROTO-CUNEIFORM SIGN U2-B
12A7E PROTO-CUNEIFORM SIGN U2-C
12A7F PROTO-CUNEIFORM SIGN U4
12A80 PROTO-CUNEIFORM SIGN U4 TIMES ONE N01
12A81 PROTO-CUNEIFORM SIGN U4 TIMES ONE N01 PLUS ONE N24
12A82 PROTO-CUNEIFORM SIGN U4 TIMES THREE N01
12A83 PROTO-CUNEIFORM SIGN U4 TIMES FOUR N01
12A84 PROTO-CUNEIFORM SIGN U4 TIMES FIVE N01
12A85 PROTO-CUNEIFORM SIGN U4 TIMES SIX N01
12A86 PROTO-CUNEIFORM SIGN U4 TIMES EIGHT N01
12A87 PROTO-CUNEIFORM SIGN U4 TIMES ONE N14
12A88 PROTO-CUNEIFORM SIGN U4 TIMES ONE N14 PLUS ONE N01
12A89 PROTO-CUNEIFORM SIGN U4 TIMES ONE N14 PLUS TWO N01
12A8A PROTO-CUNEIFORM SIGN U4 TIMES ONE N14 PLUS FOUR N01
12A8B PROTO-CUNEIFORM SIGN U4 TIMES ONE N14 PLUS EIGHT N01
12A8C PROTO-CUNEIFORM SIGN U4 TIMES TWO N14 PLUS FOUR N01
12A8D PROTO-CUNEIFORM SIGN U4 TIMES THREE N14 PLUS TWO N01
12A8E PROTO-CUNEIFORM SIGN U4 TIMES THREE N14 PLUS SEVEN N01
12A8F PROTO-CUNEIFORM SIGN U4 TIMES ONE N57
12A90 PROTO-CUNEIFORM SIGN U4 TIMES TWO N57
12A91 PROTO-CUNEIFORM SIGN U4 TIMES THREE N57
12A92 PROTO-CUNEIFORM SIGN U4 TIMES FOUR N57
12A93 PROTO-CUNEIFORM SIGN U4 TIMES FIVE N57
12A94 PROTO-CUNEIFORM SIGN U4 TIMES SIX N57
12A95 PROTO-CUNEIFORM SIGN U4 TIMES SEVEN N57
12A96 PROTO-CUNEIFORM SIGN U4 TIMES EIGHT N57
12A97 PROTO-CUNEIFORM SIGN U4 TIMES ONE N57
12A98 PROTO-CUNEIFORM SIGN U4 TIMES ONE N58 TENU
12A99 PROTO-CUNEIFORM SIGN U4 TENU
12A9A PROTO-CUNEIFORM SIGN U8
12A9B PROTO-CUNEIFORM SIGN U8 TIMES TAR-B
12A9C PROTO-CUNEIFORM SIGN UB
12A9D PROTO-CUNEIFORM SIGN UBI-A
12A9E PROTO-CUNEIFORM SIGN UBI-C
12A9F PROTO-CUNEIFORM SIGN UBI-D
12AA0 PROTO-CUNEIFORM SIGN UD5-A

12AA1 PROTO-CUNEIFORM SIGN UD5-A GUNU
12AA2 PROTO-CUNEIFORM SIGN UD5-B
12AA3 PROTO-CUNEIFORM SIGN UD5-C
12AA4 PROTO-CUNEIFORM SIGN UDU-A
12AA5 PROTO-CUNEIFORM SIGN UDU-A TIMES TAR-A
12AA6 PROTO-CUNEIFORM SIGN UDU-A TIMES TAR-B
12AA7 PROTO-CUNEIFORM SIGN UDU-C
12AA8 PROTO-CUNEIFORM SIGN UDUNITA-A
12AA9 PROTO-CUNEIFORM SIGN UDUNITA-B
12AAA PROTO-CUNEIFORM SIGN UDUNITA-C
12AAB PROTO-CUNEIFORM SIGN UH3-A
12AAC PROTO-CUNEIFORM SIGN UH3-A TENU
12AAD PROTO-CUNEIFORM SIGN UH3-B
12AAE PROTO-CUNEIFORM SIGN UKKIN-A
12AAF PROTO-CUNEIFORM SIGN UKKIN-B
12AB0 PROTO-CUNEIFORM SIGN UKKIN-B TIMES DIN
12AB1 PROTO-CUNEIFORM SIGN UKKIN-B TIMES DIN PLUS ONE N01
12AB2 PROTO-CUNEIFORM SIGN UKKIN-B TIMES HI GUNU-A
12AB3 PROTO-CUNEIFORM SIGN UKKIN-B TIMES NI-A
12AB4 PROTO-CUNEIFORM SIGN UKKIN-B TIMES TWO N01
12AB5 PROTO-CUNEIFORM SIGN UKKIN-B TIMES THREE N01
12AB6 PROTO-CUNEIFORM SIGN UKKIN-B TIMES FIVE N01
12AB7 PROTO-CUNEIFORM SIGN UKKIN-C
12AB8 PROTO-CUNEIFORM SIGN UMBIN-A
12AB9 PROTO-CUNEIFORM SIGN UMBIN-B1
12ABA PROTO-CUNEIFORM SIGN UMBIN-B2
12ABB PROTO-CUNEIFORM SIGN UMBIN-C
12ABC PROTO-CUNEIFORM SIGN UMUN2
12ABD PROTO-CUNEIFORM SIGN UNUG-A
12ABE PROTO-CUNEIFORM SIGN UNUG-A TIMES A TENU
12ABF PROTO-CUNEIFORM SIGN UNUG-A SHESHIG
12AC0 PROTO-CUNEIFORM SIGN UNUG-B
12AC1 PROTO-CUNEIFORM SIGN UNUG-C
12AC2 PROTO-CUNEIFORM SIGN UR-A
12AC3 PROTO-CUNEIFORM SIGN UR-A GUNU
12AC4 PROTO-CUNEIFORM SIGN UR-B
12AC5 PROTO-CUNEIFORM SIGN UR-C
12AC6 PROTO-CUNEIFORM SIGN UR2
12AC7 PROTO-CUNEIFORM SIGN UR2 TIMES TAR-C
12AC8 PROTO-CUNEIFORM SIGN UR2 TIMES ONE N57
12AC9 PROTO-CUNEIFORM SIGN UR3-A1
12ACA PROTO-CUNEIFORM SIGN UR3-A2
12ACB PROTO-CUNEIFORM SIGN UR3-A3
12ACC PROTO-CUNEIFORM SIGN UR3-B1
12ACD PROTO-CUNEIFORM SIGN UR3-B2
12ACE PROTO-CUNEIFORM SIGN UR4-A
12ACF PROTO-CUNEIFORM SIGN UR4-B
12AD0 PROTO-CUNEIFORM SIGN UR4-C
12AD1 PROTO-CUNEIFORM SIGN UR5-A
12AD2 PROTO-CUNEIFORM SIGN UR5-B
12AD3 PROTO-CUNEIFORM SIGN URI
12AD4 PROTO-CUNEIFORM SIGN URI3-A
12AD5 PROTO-CUNEIFORM SIGN URI5
12AD6 PROTO-CUNEIFORM SIGN URU-A1
12AD7 PROTO-CUNEIFORM SIGN URU-A1 TIMES AMAR
12AD8 PROTO-CUNEIFORM SIGN URU-A1 TIMES HI GUNU-A
12AD9 PROTO-CUNEIFORM SIGN URU-A1 TIMES KI
12ADA PROTO-CUNEIFORM SIGN URU-A1 TIMES NIMGIR
12ADB PROTO-CUNEIFORM SIGN URU-A1 TIMES U4
12ADC PROTO-CUNEIFORM SIGN URU-A1 TIMES THREE N57
12ADD PROTO-CUNEIFORM SIGN URU-A2
12ADE PROTO-CUNEIFORM SIGN URU-A2 TIMES ONE N58
12ADF PROTO-CUNEIFORM SIGN URU-A3 TIMES KALAM-A
12AE0 PROTO-CUNEIFORM SIGN URU-B1
12AE1 PROTO-CUNEIFORM SIGN URU-B2
12AE2 PROTO-CUNEIFORM SIGN URU-C
12AE3 PROTO-CUNEIFORM SIGN URUDU-A
12AE4 PROTO-CUNEIFORM SIGN URUDU-C
12AE5 PROTO-CUNEIFORM SIGN URUDU-D
12AE6 PROTO-CUNEIFORM SIGN URUDU GUNU-A
12AE7 PROTO-CUNEIFORM SIGN URUDU GUNU-C
12AE8 PROTO-CUNEIFORM SIGN URUDU GUNU-D
12AE9 PROTO-CUNEIFORM SIGN USH-A
12AEA PROTO-CUNEIFORM SIGN USH-A OVER USH-A
12AEB PROTO-CUNEIFORM SIGN USH-B
12AEC PROTO-CUNEIFORM SIGN USH-B TIMES TAR-C
12AED PROTO-CUNEIFORM SIGN USH-B OVER USH-B
12AEE PROTO-CUNEIFORM SIGN USHUR3-B1
12AEF PROTO-CUNEIFORM SIGN USHUR3-B2
12AF0 PROTO-CUNEIFORM SIGN UTUA-A
12AF1 PROTO-CUNEIFORM SIGN UTUA-A TENU
12AF2 PROTO-CUNEIFORM SIGN UTUA-B
12AF3 PROTO-CUNEIFORM SIGN UTUL-A
12AF4 PROTO-CUNEIFORM SIGN UTUL-B
12AF5 PROTO-CUNEIFORM SIGN UTUL-C
12AF6 PROTO-CUNEIFORM SIGN UTUL-D
12AF7 PROTO-CUNEIFORM SIGN UZU
12AF8 PROTO-CUNEIFORM SIGN ZA-V
12AF9 PROTO-CUNEIFORM SIGN ZAG-A
12AFA PROTO-CUNEIFORM SIGN ZAG-B
12AFB PROTO-CUNEIFORM SIGN ZAG-C
12AFC PROTO-CUNEIFORM SIGN ZAR-A
12AFD PROTO-CUNEIFORM SIGN ZAR-B1
12AFE PROTO-CUNEIFORM SIGN ZAR-B2

12AFF PROTO-CUNEIFORM SIGN ZAR-C
12B00 PROTO-CUNEIFORM SIGN ZI-A
12B01 PROTO-CUNEIFORM SIGN ZI-B
12B02 PROTO-CUNEIFORM SIGN ZI-D
12B03 PROTO-CUNEIFORM SIGN ZUBI-A
12B04 PROTO-CUNEIFORM SIGN ZATU620
12B05 PROTO-CUNEIFORM SIGN ZATU621-A
12B06 PROTO-CUNEIFORM SIGN ZATU621-B
12B07 PROTO-CUNEIFORM SIGN ZATU621-C
12B08 PROTO-CUNEIFORM SIGN ZATU621-D
12B09 PROTO-CUNEIFORM SIGN ZATU622
12B0A PROTO-CUNEIFORM SIGN ZATU623
12B0B PROTO-CUNEIFORM SIGN ZATU624-A
12B0C PROTO-CUNEIFORM SIGN ZATU624-B
12B0D PROTO-CUNEIFORM SIGN ZATU625
12B0E PROTO-CUNEIFORM SIGN ZATU626-A
12B0F PROTO-CUNEIFORM SIGN ZATU626-B
12B10 PROTO-CUNEIFORM SIGN ZATU626-C
12B11 PROTO-CUNEIFORM SIGN ZATU628-A
12B12 PROTO-CUNEIFORM SIGN ZATU628-B
12B13 PROTO-CUNEIFORM SIGN ZATU629
12B14 PROTO-CUNEIFORM SIGN ZATU630
12B15 PROTO-CUNEIFORM SIGN ZATU631
12B16 PROTO-CUNEIFORM SIGN ZATU632-A
12B17 PROTO-CUNEIFORM SIGN ZATU632-B
12B18 PROTO-CUNEIFORM SIGN ZATU633-A
12B19 PROTO-CUNEIFORM SIGN ZATU633-B
12B1A PROTO-CUNEIFORM SIGN ZATU635
12B1B PROTO-CUNEIFORM SIGN ZATU636
12B1C PROTO-CUNEIFORM SIGN ZATU637
12B1D PROTO-CUNEIFORM SIGN ZATU639
12B1E PROTO-CUNEIFORM SIGN ZATU641
12B1F PROTO-CUNEIFORM SIGN ZATU642
12B20 PROTO-CUNEIFORM SIGN ZATU643
12B21 PROTO-CUNEIFORM SIGN ZATU644-A
12B22 PROTO-CUNEIFORM SIGN ZATU644-B
12B23 PROTO-CUNEIFORM SIGN ZATU646
12B24 PROTO-CUNEIFORM SIGN ZATU647
12B25 PROTO-CUNEIFORM SIGN ZATU648
12B26 PROTO-CUNEIFORM SIGN ZATU649
12B27 PROTO-CUNEIFORM SIGN ZATU651
12B28 PROTO-CUNEIFORM SIGN ZATU651 TIMES AN
12B29 PROTO-CUNEIFORM SIGN ZATU651 TIMES EN-A
12B2A PROTO-CUNEIFORM SIGN ZATU651 TIMES GAR
12B2B PROTO-CUNEIFORM SIGN ZATU651 TIMES MA
12B2C PROTO-CUNEIFORM SIGN ZATU651 TIMES NUN-A
12B2D PROTO-CUNEIFORM SIGN ZATU651 TIMES ZAR-C
12B2E PROTO-CUNEIFORM SIGN ZATU651 GUNU
12B2F PROTO-CUNEIFORM SIGN ZATU659
12B30 PROTO-CUNEIFORM SIGN ZATU659 TIMES ONE N01
12B31 PROTO-CUNEIFORM SIGN ZATU659 TIMES ONE N14
12B32 PROTO-CUNEIFORM SIGN ZATU659 TIMES ONE N58 TENU
12B33 PROTO-CUNEIFORM SIGN ZATU662
12B34 PROTO-CUNEIFORM SIGN ZATU662 TIMES ONE N14
12B35 PROTO-CUNEIFORM SIGN ZATU664
12B36 PROTO-CUNEIFORM SIGN ZATU665
12B37 PROTO-CUNEIFORM SIGN ZATU666
12B38 PROTO-CUNEIFORM SIGN ZATU667
12B39 PROTO-CUNEIFORM SIGN ZATU668
12B3A PROTO-CUNEIFORM SIGN ZATU669
12B3B PROTO-CUNEIFORM SIGN ZATU672
12B3C PROTO-CUNEIFORM SIGN ZATU674
12B3D PROTO-CUNEIFORM SIGN ZATU675-A
12B3E PROTO-CUNEIFORM SIGN ZATU675-B
12B3F PROTO-CUNEIFORM SIGN ZATU675-C
12B40 PROTO-CUNEIFORM SIGN ZATU675-D
12B41 PROTO-CUNEIFORM SIGN ZATU676-A
12B42 PROTO-CUNEIFORM SIGN ZATU676-B
12B43 PROTO-CUNEIFORM SIGN ZATU677-A
12B44 PROTO-CUNEIFORM SIGN ZATU677-B
12B45 PROTO-CUNEIFORM SIGN ZATU678
12B46 PROTO-CUNEIFORM SIGN ZATU679
12B47 PROTO-CUNEIFORM SIGN ZATU680-A1
12B48 PROTO-CUNEIFORM SIGN ZATU680-A2
12B49 PROTO-CUNEIFORM SIGN ZATU680-B
12B4A PROTO-CUNEIFORM SIGN ZATU680-D
12B4B PROTO-CUNEIFORM SIGN ZATU680-E
12B4C PROTO-CUNEIFORM SIGN ZATU681
12B4D PROTO-CUNEIFORM SIGN ZATU682
12B4E PROTO-CUNEIFORM SIGN ZATU683-A
12B4F PROTO-CUNEIFORM SIGN ZATU683-B
12B50 PROTO-CUNEIFORM SIGN ZATU684
12B51 PROTO-CUNEIFORM SIGN ZATU685
12B52 PROTO-CUNEIFORM SIGN ZATU686-A
12B53 PROTO-CUNEIFORM SIGN ZATU686-B
12B54 PROTO-CUNEIFORM SIGN ZATU686-C
12B55 PROTO-CUNEIFORM SIGN ZATU687
12B56 PROTO-CUNEIFORM SIGN ZATU688-A
12B57 PROTO-CUNEIFORM SIGN ZATU688-B
12B58 PROTO-CUNEIFORM SIGN ZATU689
12B59 PROTO-CUNEIFORM SIGN ZATU690
12B5A PROTO-CUNEIFORM SIGN ZATU691
12B5B PROTO-CUNEIFORM SIGN ZATU692
12B5C PROTO-CUNEIFORM SIGN ZATU693
12B5D PROTO-CUNEIFORM SIGN ZATU693 TENU
12B5E PROTO-CUNEIFORM SIGN ZATU694-A
12B5F PROTO-CUNEIFORM SIGN ZATU694-B
12B60 PROTO-CUNEIFORM SIGN ZATU694-C
12B61 PROTO-CUNEIFORM SIGN ZATU694-D

12B62 PROTO-CUNEIFORM SIGN ZATU694-D TENU
12B63 PROTO-CUNEIFORM SIGN ZATU695
12B64 PROTO-CUNEIFORM SIGN ZATU696
12B65 PROTO-CUNEIFORM SIGN ZATU697-A
12B66 PROTO-CUNEIFORM SIGN ZATU697-B
12B67 PROTO-CUNEIFORM SIGN ZATU699-B
12B68 PROTO-CUNEIFORM SIGN ZATU700
12B69 PROTO-CUNEIFORM SIGN ZATU701
12B6A PROTO-CUNEIFORM SIGN ZATU702
12B6B PROTO-CUNEIFORM SIGN ZATU703
12B6C PROTO-CUNEIFORM SIGN ZATU705
12B6D PROTO-CUNEIFORM SIGN ZATU706
12B6E PROTO-CUNEIFORM SIGN ZATU707-A
12B6F PROTO-CUNEIFORM SIGN ZATU707-B
12B70 PROTO-CUNEIFORM SIGN ZATU708
12B71 PROTO-CUNEIFORM SIGN ZATU709
12B72 PROTO-CUNEIFORM SIGN ZATU710
12B73 PROTO-CUNEIFORM SIGN ZATU711
12B74 PROTO-CUNEIFORM SIGN ZATU711 TIMES HI GUNU-A
12B75 PROTO-CUNEIFORM SIGN ZATU713
12B76 PROTO-CUNEIFORM SIGN ZATU714
12B77 PROTO-CUNEIFORM SIGN ZATU714 TIMES HI GUNU-A
12B78 PROTO-CUNEIFORM SIGN ZATU717
12B79 PROTO-CUNEIFORM SIGN ZATU718
12B7A PROTO-CUNEIFORM SIGN ZATU719
12B7B PROTO-CUNEIFORM SIGN ZATU720
12B7C PROTO-CUNEIFORM SIGN ZATU721
12B7D PROTO-CUNEIFORM SIGN ZATU722
12B7E PROTO-CUNEIFORM SIGN ZATU723
12B7F PROTO-CUNEIFORM SIGN ZATU725
12B80 PROTO-CUNEIFORM SIGN ZATU726-A
12B81 PROTO-CUNEIFORM SIGN ZATU726-C
12B82 PROTO-CUNEIFORM SIGN ZATU726-D
12B83 PROTO-CUNEIFORM SIGN ZATU727
12B84 PROTO-CUNEIFORM SIGN ZATU728
12B85 PROTO-CUNEIFORM SIGN ZATU729
12B86 PROTO-CUNEIFORM SIGN ZATU730
12B87 PROTO-CUNEIFORM SIGN ZATU732
12B88 PROTO-CUNEIFORM SIGN ZATU734
12B89 PROTO-CUNEIFORM SIGN ZATU735-A
12B8A PROTO-CUNEIFORM SIGN ZATU735-B
12B8B PROTO-CUNEIFORM SIGN ZATU735-C
12B8C PROTO-CUNEIFORM SIGN ZATU736-A
12B8D PROTO-CUNEIFORM SIGN ZATU736-B
12B8E PROTO-CUNEIFORM SIGN ZATU737
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
12B93 PROTO-CUNEIFORM SIGN ZATU737 TIMES EN-A
12B94 PROTO-CUNEIFORM SIGN ZATU737 TIMES EN-B
12B95 PROTO-CUNEIFORM SIGN ZATU737 TIMES GAR
12B96 PROTO-CUNEIFORM SIGN ZATU737 TIMES NI-A GUNU
12B97 PROTO-CUNEIFORM SIGN ZATU737 TIMES NIMGIR
12B98 PROTO-CUNEIFORM SIGN ZATU737 TIMES SAL
12B99 PROTO-CUNEIFORM SIGN ZATU737 TIMES SU-A
12B9A PROTO-CUNEIFORM SIGN ZATU737 TIMES SHE-A
12B9B PROTO-CUNEIFORM SIGN ZATU737 TIMES SHITA-A1
12B9C PROTO-CUNEIFORM SIGN ZATU737 TIMES U4
12B9D PROTO-CUNEIFORM SIGN ZATU737 TIMES UNUG-A
12B9E PROTO-CUNEIFORM SIGN ZATU749-A
12B9F PROTO-CUNEIFORM SIGN ZATU749-B
12BA0 PROTO-CUNEIFORM SIGN ZATU749-C
12BA1 PROTO-CUNEIFORM SIGN ZATU750
12BA2 PROTO-CUNEIFORM SIGN ZATU751-A
12BA3 PROTO-CUNEIFORM SIGN ZATU751-B
12BA4 PROTO-CUNEIFORM SIGN ZATU751-C
12BA5 PROTO-CUNEIFORM SIGN ZATU752
12BA6 PROTO-CUNEIFORM SIGN ZATU753
12BA7 PROTO-CUNEIFORM SIGN ZATU754
12BA8 PROTO-CUNEIFORM SIGN ZATU755-A
12BA9 PROTO-CUNEIFORM SIGN ZATU755-B
12BAA PROTO-CUNEIFORM SIGN ZATU756
12BAB PROTO-CUNEIFORM SIGN ZATU757
12BAC PROTO-CUNEIFORM SIGN ZATU758
12BAD PROTO-CUNEIFORM SIGN ZATU759
12BAE PROTO-CUNEIFORM SIGN ZATU759 TIMES KU6-A
12BAF PROTO-CUNEIFORM SIGN ZATU759 TIMES KU6-A JOINING KU6-A
12BB0 PROTO-CUNEIFORM SIGN ZATU762-A
12BB1 PROTO-CUNEIFORM SIGN ZATU762-A TIMES NIM-A
12BB2 PROTO-CUNEIFORM SIGN ZATU762-B
12BB3 PROTO-CUNEIFORM SIGN ZATU762-B TIMES AB-A
12BB4 PROTO-CUNEIFORM SIGN ZATU764
12BB5 PROTO-CUNEIFORM SIGN ZATU765
12BB6 PROTO-CUNEIFORM SIGN ZATU766
12BB7 PROTO-CUNEIFORM SIGN ZATU767
12BB8 PROTO-CUNEIFORM SIGN ZATU772
12BB9 PROTO-CUNEIFORM SIGN ZATU773-A
12BBA PROTO-CUNEIFORM SIGN ZATU773-B
12BBB PROTO-CUNEIFORM SIGN ZATU774
12BBC PROTO-CUNEIFORM SIGN ZATU775
12BBD PROTO-CUNEIFORM SIGN ZATU776
12BBE PROTO-CUNEIFORM SIGN ZATU777
12BBF PROTO-CUNEIFORM SIGN ZATU778
12BC0 PROTO-CUNEIFORM SIGN ZATU780

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

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Appendices

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

PCSL Appendix A gives the Proto-Cuneiform Sign List (http://oracc.org/pcsl) 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., $_1$ = `.cv01`

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

ATU3, ATU5, MSV01, MSC04, 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	MSV01	MSV04	CUSAS

A 12690 584× IV: 34p/17u; III: 370p/183u	o0980000	PC25 ZATU001	12690 [1] F207A		12690	12690	12690	12690	
|A×AB$_2$| 3× III: 3u	o0980001	UNP	F2400						
|A×AN|	o0980002	EDI	F24F2						
|A×EN~a| 12691 1× IV: 1p; III: 1p	o0980003	PC25 ZATU002	12691			12691			
|A×ŠUBUR| 12692 1× IV: 1p; III: 1p	o0980004	PC25 ZATU003	12692			12692			
|A×ZATU672| 12693 1× IV: 1p; III: 1p	o0980005	PC25 ZATU005	12693			12693			
|A×1(N14)| 12694 1× IV: 1p	o0980006	PC25 ZATU004	12694						
A@g	o0980007	EDI	F24CC						
A@t 1× III: 1u	o0980008	UNP	F2401						
A$_2$ 12695 2× IV: 1p; III: 2p	o0980009	PC25 ZATU006	12695		12695	12695			
AB~a 12696 450× IV: 34p/6u; III: 337p/93u	o0980010	PC25 ZATU007	[1] F207B 12696		12696	12696 F207B	12696	12696	
|AB~a×A@t| 12697 2× IV: 1p/1u; III: 2p	o0980011	PC25	12697 [1] F207C			12697			
|AB~a×AŠ$_2$| 12698 2× III: 2p	o0980012	PC25 ZATU009	12698 [1] F207D		F207D				
|AB~a×KU$_6$~a|	o0980013	ZERO ZATU389	F2402						
|AB~a×SUKKAL| 3× III: 3u	o0980014	UNP	F2403						
|AB~a×(ŠE~a&ŠE~a)| 12699 3× III: 3p	o0980015	PC25	12699 [1] F207E						F207E

|AB~a×X|	o0980016	ZERO	F2404						
|AB~a×ZATU659| 1269A 3× III: 3p	o0980017	PC25 ZATU010	1269A		1269A				
|AB~a×1(N01)|	o0980018	ZERO	F2405						
|AB~a×1(N04)| 1269B 3× III: 3p	o0980019	PC25	1269B						1269B
AB~a@g 1269C 3× IV: 1u; III: 1p/1u	o0980020	PC25 ZATU011	1269C		1269C				
AB~b 1269D 90× IV: 1p/2u; III: 54p/32u	o0980021	PC25 ZATU007	1269D		1269D	1269D	1269D	1269D	
|AB~b×A| 1× III: 1u	o0980022	UNP ZATU008	F2406						
|AB~b×KU$_6$~a| 1× III: 1u	o0980023	UNP	F2407						
|AB~b×ŠA$_3$~a1| 1× III: 1u	o0980024	UNP	F2408						
AB$_2$ 1269E 350× IV: 83p/7u; III: 254p/51u	o0980025	PC25 ZATU012	1269E 1 F207F 2 F2080		F2080	1269E F207F	1269E	1269E	
|AB$_2$×2(N14)| 1269F 2× IV: 2p; III: 2p	o0980026	PC25 ZATU013	1 F2081 1269F		1269F	F2081			
AB$_2$@g 1×	o0980027	UNP	F2525						
ABGAL 51× III: 42p/9u	o0980028	PC25-sq ZATU015	F2082 1 F2083		F2082		F2082		
ABRIG 2× III: 2p	o0980029	PC25-sq ZATU016	F2084 1 F2085		F2085				
ABZU 126A0 5× III: 5p	o0980030	PC25 ZATU017	1 F2227 126A0		F2227				126A0

AD~a 126A1 51× III: 37p/14u	o0980031	PC25 ZATU018	126A1		126A1		126A1	126A1	
AD~b 126A2 3× IV: 1p; III: 2p	o0980032	PC25 ZATU018	126A2		126A2				
AD~c 126A3 9× IV: 1p; III: 6p/2u	o0980033	PC25 ZATU018	126A3				126A3		
ADAB 126A4 44× IV: 15p/4u; III: 22p/9u	o0980034	PC25 ZATU019	126A4 1 F2086		126A4	126A4		126A4	
ADDA 126A5 1× III: 1p	o0980035	PC25 ZATU020	126A5		126A5				
ADDA@t	o0980036	ZERO	F2409						
AGAR$_2$ 126A6 18× III: 16p/2u	o0980037	PC25 ZATU022	126A6		126A6		126A6		
AK~a 126A7 56× IV: 8p/1u; III: 39p/12u	o0980038	PC25 ZATU023	126A7		126A7	126A7	126A7	126A7	
AK~b 126A8 2× IV: 2p	o0980039	PC25 ZATU023	126A8						
AL 126A9 132× IV: 11p/3u; III: 87p/39u	o0980040	PC25 ZATU024	126A9		126A9	126A9	126A9	126A9	
ALAN~a 126AA 8× IV: 2u; III: 7p/1u	o0980041	PC25 ZATU025	126AA						
ALAN~b 126AB 7× III: 4p/3u	o0980042	PC25 ZATU025	126AB		126AB				
ALAN~c 126AC 8× IV: 1u; III: 5p/2u	o0980043	PC25 ZATU025	126AC						
ALAN~d 1× IV: 1u	o0980044	UNP ZATU025	F240A						
ALAN~e 126AD 2× III: 2p	o0980045	PC25 ZATU025	126AD					126AD	
ALAN~f	o0980046	EDI	F24CD						
ALIM 126AE 12× III: 10p/2u	o0980047	PC25 ZATU026	126AE		(a) 126AE				

AM~a 126AF 2× III: 2p	o0980048	PC25 ZATU027	126AF					
AM~b 126B0 2× III: 2p	o0980049	PC25 ZATU027	126B0		126B0			
AMA~a 126B1 105× IV: 19p/1u; III: 71p/20u	o0980050	PC25 ZATU028	126B1 1 F2087		126B1	126B1 F2087	126B1	126B1 F2087
|AMA~a×E$_2$~a| 126B2 4× III: 3p/1u	o0980051	PC25	126B2				126B2	
AMA~b 126B3 6× IV: 1p/1u; III: 4p	o0980052	PC25 ZATU028	126B3		126B3			
AMAR 126B4 164× IV: 23p/8u; III: 105p/29u	o0980053	PC25 ZATU029	1 F2088 126B4 2 F2089		126B4	F2088	126B4	126B4
|AMAR.1(N02)| 2× III: 2p	o0980054	PC25-sq	F222B				F222B	
|AMAR×TAR~c| 126B5 AKA: |AMAR×TAR| CDLI: |AMAR×TAR| 1× IV: 1p; III: 1p	o0980055	PC25 ZATU030	126B5			(o) 126B5		
|AMAR&AMAR| 126B6 1× IV: 1p	o0980056	PC25	126B6					
AMAR@g CDLI: |AMAR@g| 1× IV: 1p	o0980057	PC25-bk	F240B					
AN 126B7 992× IV: 106p/20u; III: 630p/274u	o0980058	PC25 ZATU031	1 F208A 2 F208B 126B7		126B7	F208A F208B 126B7	126B7	126B7
ANŠE~a 126B8 9× IV: 3p/2u; III: 4p/1u	o0980059	PC25 ZATU032	126B8					
ANŠE~b 126B9 32× IV: 1p/1u; III: 21p/9u	o0980060	PC25 ZATU032	126B9		126B9	(a) 126B9	126B9	126B9

ANŠE~c 126BA 4× IV: 1p; III: 3p/1u	o0980061	PC25 ZATU032	126BA			126BA			
ANŠE~e 126BB 9× IV: 3p; III: 4p/2u	o0980062	PC25 ZATU032	126BB						
ANŠE~f 126BC 5× III: 5p	o0980063	PC25 ZATU032	126BC						126BC
ANZU$_2$	o0980064	EDI	F222C						
APIN~a 126BD AKA: APIN 230× IV: 20p/5u; III: 154p/65u	o0980065	PC25 ZATU033	126BD		126BD	126BD	126BD	126BD	
|APIN~a.APIN~a| 1× IV: 1p	o0980066	PC25-sq	F222D						
APIN~b 126BE 13× III: 9p/3u	o0980067	PC25 ZATU033	126BE		126BE		126BE		
APIN~c 126BF 2× IV: 1p; III: 1p	o0980068	PC25 ZATU033	126BF		126BF				
ARARMA$_2$~a 126C0 12× III: 7p/5u	o0980069	PC25 ZATU034	1 F208C 126C0		126C0				
ARARMA$_2$~b 2× IV: 1p; III: 1p	o0980070	PC25-sq ZATU034	F2274			F2274			
ARATTA 1× III: 1p	o0980071	PC25-sq ZATU035	F22A1						
ASAL$_2$	o0980072	EDI	F24CE						
ASAR 126C1 19× III: 17p/2u	o0980073	PC25 ZATU036	126C1		126C1				
AŠ$_2$ 1× III: 1u	o0980074	UNP	F240C						
AZ 126C2 21× III: 20p/1u	o0980075	PC25 ZATU038	126C2						
AZU 126C3 2× IV: 2p; III: 1p	o0980076	PC25 ZATU039	126C3			126C3			

BA 126C4 779× IV: 112p/17u; III: 516p/202u	o0980077	PC25 ZATU040	126C4		126C4	126C4	126C4	126C4	
BAD 126C5 104× IV: 19p/3u; III: 74p/23u	o0980078	PC25 ZATU041	126C5		126C5	126C5			
|BAD&BAD| 126C6 42× IV: 1p/2u; III: 30p/10u	o0980079	PC25 ZATU042	126C6		126C6				
BAD$_3$~a 126C7 2× III: 2p	o0980080	PC25 ZATU044	126C7		126C7				
BAD$_3$~b1 126C8 4× III: 1p/3u	o0980081	PC25 ZATU044	126C8						
BAD$_3$~b2 126C9 AKA: |EZEM~b×AN| 4× III: 3p/1u	o0980082	PC25 ZATU044	126C9						
BAHAR$_2$~a 126CA 22× IV: 1p/2u; III: 11p/6u	o0980083	PC25 ZATU045	126CA 1 F208D	F208D					
BAHAR$_2$~b 126CB 27× IV: 1p/1u; III: 18p/8u	o0980084	PC25 ZATU045	1 F208E 126CB	126CB			126CB	126CB	
BAHAR$_2$~c 126CC 19× III: 14p/5u	o0980085	PC25 ZATU045	126CC				126CC	126CC	
BALA~a 126CD 19× III: 18p/1u	o0980086	PC25 ZATU046	126CD		126CD	(b) 126CD	126CD		
BALA~b 126CE 2× IV: 1p; III: 2p	o0980087	PC25 ZATU046	1 F208F 126CE						
BALAG 126CF 20× IV: 7p/1u; III: 14p/3u	o0980088	PC25 ZATU047	126CF 1 F2090		F2090	126CF F2090			
BAN~a 126D0 17× IV: 8p/1u; III: 10p/2u	o0980089	PC25 ZATU048	1 F2091 2 F2092 126D0			F2091 F2092 126D0			

BAN~b 126D1 16× IV: 1u; III: 2p/13u	o0980090	PC25 ZATU048	126D1		126D1		126D1		
BANŠUR~a 126D2 1× IV: 1p; III: 1p	o0980091	PC25 ZATU049	126D2			126D2			
BANŠUR~a@t 126D3 1× IV: 1p	o0980092	PC25	126D3						
BANŠUR~b1 126D4 3× III: 2p/1u	o0980093	PC25 ZATU049	126D4		126D4				
BANŠUR~b2 126D5 1× III: 1p	o0980094	PC25 ZATU049	126D5		126D5				
BANŠUR~c 126D6 2× III: 2p	o0980095	PC25 ZATU049	126D6		126D6				
BAPPIR~a 126D7 4× III: 3p/1u	o0980096	PC25 ZATU050	126D7						
BAPPIR~b 126D8 3× III: 3p	o0980097	PC25 ZATU050	126D8		126D8				
BAPPIR~c 126D9 1× III: 1p	o0980098	PC25 ZATU050	126D9						
BAPPIR~d 126DA 6× III: 6p	o0980099	PC25 ZATU050	126DA		126DA			126DA	
BAPPIR~e 126DB 1× III: 1p	o0980100	PC25 ZATU050	126DB						
BAPPIR~f 126DC 1× III: 1p	o0980101	PC25 ZATU050	126DC						
BAR 126DD 426× IV: 27p/13u; III: 288p/113u	o0980102	PC25 ZATU051	126DD		126DD	126DD	126DD	126DD	
|BAR×URI$_3$~a|	o0980103	NOT	F252C						F252C
|BAR×UŠ~a|	o0980104	NOT	F253D						F253D
BARA$_2$~a 126DE 75× IV: 14p/5u; III: 45p/13u	o0980105	PC25 ZATU052	126DE [1] F2093		126DE	126DE	126DE	F2093	
BARA$_2$~b 126DF 4× IV: 4p; III: 1p	o0980106	PC25 ZATU052	126DF [1] F2094			126DF			

BARA$_3$ 126E0 18× III: 15p/3u	o0980107	PC25 ZATU053	126E0		126E0		126E0		
BAU405 CDLI: |UET$_2$.405|	o0980108	EDI	F24EF						
BIR~a 126E1 6× IV: 3p; III: 3p/1u	o0980109	PC25 ZATU054	126E1		126E1	126E1			
BIR~b 126E2 1× IV: 1p; III: 1p	o0980110	PC25 ZATU054	126E2			126E2			
BIR~c 126E3 1× IV: 1p; III: 1p	o0980111	PC25 ZATU054	126E3		126E3				
BIR$_3$~a 126E4 18× IV: 1p; III: 15p/3u	o0980112	PC25 ZATU055	1 F2095 126E4			F2095		126E4	
BIR$_3$~b 126E5 7× IV: 3p; III: 4p/3u	o0980113	PC25 ZATU055	1 F2096 126E5			F2096			
BIR$_3$~c 126E6 4× III: 4p	o0980114	PC25 ZATU055	126E6 1 F2097		126E6			F2097	
BU~a 126E7 568× IV: 48p/6u; III: 390p/153u	o0980115	PC25 ZATU056	1 F2098 126E7		126E7	F2098 126E7	126E7	126E7	
|((BU~a.DU$_6$~a)&(BU~a.DU$_6$~a))×UDU~a|	o0980116	ZERO	F2523						F2523
|BU~a+DU$_6$~a| 126E8 AKA: |BU~a.DU$_6$~a| 61× IV: 3p/1u; III: 47p/10u	o0980117	PC25 ZATU059	126E8 1 F2099		126E8	126E8 F2099	126E8	126E8	
|BU~a+KI| 126E9 1× III: 1p	o0980118	PC25	126E9						126E9
|BU~a+TU~b|	o0980119	ZERO	F2526						F2526
|BU~a×A| 126EA 2× IV: 1p; III: 2p	o0980120	PC25 ZATU057	126EA			126EA		126EA	
|BU~a×GIŠ@t| 1× III: 1u	o0980121	UNP	F240D						
|BU~a×1(N58)| 1× III: 1u	o0980122	UNP	F240E						

|(BU~a&BU~a).NA$_2$~a| 126EB 8× IV: 1p; III: 8p	o0980123	PC25 ZATU058	126EB 1 F209A		F209A	126EB				
|(BU~a&BU~a).NA$_2$~b|	o0982241	DEL ZATU058	F209B							
|(BU~a&BU~a).X| 1× IV: 1p	o0980124	PC25-bk	F240F							
|(BU~a%BU~a).NA$_2$~a@n| 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	PC25	126EC 1 F209B 2 F209C			F209C				
BU~b 126ED 14× IV: 2p; III: 12p/1u	o0980126	PC25 ZATU056	126ED		126ED	126ED	126ED			
|BU~b.NA$_2$~a| 1× III: 1u	o0980127	UNP	F222E							
BU$_3$ 126EE AKA: BU$_3$~a 30× III: 24p/6u	o0980128	PC25 ZATU060	126EE		(a) 126EE			(a) 126EE		
BULUG 126EF 4× IV: 2p/1u; III: 2p	o0980129	PC25 ZATU061	126EF			126EF				
BULUG$_3$ 126F0 35× III: 30p/5u	o0980130	PC25 ZATU062	126F0		126F0					
|BULUG$_3$.DU$_6$~a|	o0980131	ZERO	F222F							F222F
BUR~a 126F1 37× IV: 1u; III: 27p/9u	o0980132	PC25 ZATU063	126F1		126F1			126F1		
BUR~b 126F2 8× IV: 1p; III: 7p	o0980133	PC25 ZATU063	126F2			126F2				
BUR~c 126F3 1× IV: 1p; III: 1p	o0980134	PC25 ZATU063	126F3							
BUR~d 126F4 1× III: 1p	o0980135	PC25 ZATU063	126F4							
BUR$_2$ 126F5 52× IV: 2p/2u; III: 37p/13u	o0980136	PC25 ZATU064	126F5		126F5					

DA~a 126F6 243× IV: 23p/5u; III: 151p/74u	o0980137	PC25 ZATU065	126F6		126F6	126F6	126F6	126F6	
|DA~a.LIŠ| 1× III: 1u	o0980138	UNP	F2230						
DA~b 126F7 6× IV: 5p; III: 2p	o0980139	PC25 ZATU065	126F7		126F7	126F7			
DA~c 126F8 2× IV: 2p; III: 2p	o0980140	PC25 ZATU065	126F8			126F8			
DA~d 126F9 1× IV: 1p; III: 1p	o0980141	PC25 ZATU065	126F9			126F9			
DAG	o0980142	EDI	F24CF						
DAH 126FA 26× IV: 1p; III: 22p/4u	o0980143	PC25 ZATU066	126FA			126FA	126FA	126FA	
DAM 126FB 14× III: 14p	o0980144	PC25 ZATU067	126FB		126FB				
DANNA 126FC 9× IV: 1p; III: 3p/5u	o0980145	PC25 ZATU068	126FC						
DAR~a 126FD 25× III: 14p/11u	o0980146	PC25 ZATU069	126FD		126FD			126FD	
|DAR~a×A| 126FE 1× III: 1p	o0980147	PC25	126FE						
DAR~b 126FF 27× III: 12p/15u	o0980148	PC25 ZATU069	126FF				126FF		
DAR~c 12700 6× III: 4p/2u	o0980149	PC25 ZATU069	12700		12700				
DAR~d 1× III: 1u	o0980150	UNP ZATU069	F2410						
DARA$_3$~a 12701 4× IV: 3p; III: 3p/1u	o0980151	PC25 ZATU070	12701			12701			
DARA$_3$~b 12702 1× IV: 1p; III: 1p	o0980152	PC25 ZATU070	12702			12702			

DARA$_3$~c 12703 7× IV: 1p; III: 5p/2u	o0980153	PC25 ZATU070	12703 1 F209D		12703				
|DARA$_3$~c×KAR$_2$| 12704 3× III: 2p/1u	o0980154	PC25 ZATU071	12704 1 F209E					F209E	
|DARA$_3$~c×(KAR$_2$.ŠE~a)| 12705 1× IV: 1p; III: 1p	o0980155	PC25 ZATU072	12705			12705			
DARA$_3$~d 12706 1× III: 1p	o0980156	PC25 ZATU070	12706		12706				
|DARA$_3$~d×(KAR$_2$.ŠE~a)| 12707 1× III: 1p	o0980157	PC25 ZATU072	12707						
|DARA$_3$~d×KAR$_2$~b| 12708 AKA: |DARA$_3$~d×KAR$_2$| |DARA$_3$~d×KAR$_2$| CDLI: |DARA$_3$~d×KAR$_2$| 8× IV: 2p; III: 5p/3u	o0980158	PC25 ZATU071	1 F209F 12708 2 F20A0		12708	F209F			
DARA$_4$~a1 12709 31× IV: 2p; III: 23p/4u	o0980159	PC25 ZATU073	12709		12709			12709	
DARA$_4$~a2 1270A 3× IV: 3p; III: 2p	o0980160	PC25 ZATU073	1270A			1270A			
DARA$_4$~a3 1270B 2× IV: 1p/1u	o0980161	PC25 ZATU073	1270B		1270B				
DARA$_4$~b 1270C 6× IV: 3p/1u; III: 2p/1u	o0980162	PC25 ZATU073	1270C		1270C	1270C			
DARA$_4$~c 1270D 1× III: 1p	o0980163	PC25 ZATU073	1270D						1270D
DARA$_4$~c1 1270E 19× IV: 1p; III: 9p/9u	o0980164	PC25 ZATU073	1270E		1270E			1270E	
DARA$_4$~c2 1270F 27× IV: 3p; III: 17p/7u	o0980165	PC25 ZATU073	1270F						

DARA$_4$~c3 12710 5× III: 4p/1u	o0980166	PC25 ZATU073	12710						
DARA$_4$~c4 12711 11× III: 7p/4u	o0980167	PC25 ZATU073	12711						
DARA$_4$~c5 12712 1× III: 1p	o0980168	PC25 ZATU073	12712						
DARA$_4$~d 12713 1× III: 1p	o0980169	PC25 ZATU073	12713						12713
DI 12714 128× IV: 16p/3u; III: 86p/35u	o0980170	PC25 ZATU075	12714		12714	12714	12714	12714	
DI@t 12715 3× IV: 1p; III: 2p/1u	o0980171	PC25	12715		12715				
DIB 12716 5× IV: 2p; III: 4p	o0980172	PC25 ZATU076	12716 1 F20A1 2 F20A2		F20A1	12716		F20A2	
DILMUN 12717 34× IV: 1p; III: 26p/8u	o0980173	PC25 ZATU077	1 F20A3 12717 2 F20A4		12717	F20A3			
DIM~a 12718 56× IV: 5p; III: 33p/22u	o0980174	PC25 ZATU078	12718 1 F20A5			12718	F20A5	12718	
|DIM~a×GU|	o0980175	EDI	F24F3						
|DIM~a×X|	o0980176	EDI	F24F4						
DIM~b 12719 4× IV: 2p; III: 4p	o0980177	PC25 ZATU078	12719			12719			
DIM~c 1271A 21× IV: 2p; III: 17p/2u	o0980178	PC25 ZATU078	1271A		1271A				
DIN 1271B 97× IV: 32p/13u; III: 47p/20u	o0980179	PC25 ZATU079	1271B		1271B	1271B	1271B	1271B	

|DIN×1(N58)| 1271C AKA: |DIN+1(N57)| 1× III: 1p	o0980180	PC25	1271C						1271C
DIN@t 1271D 3× IV: 1p/1u; III: 1p/1u	o0980181	PC25 ZATU080	1271D						
DU 1271E 481× IV: 20p/10u; III: 304p/153u	o0980182	PC25 ZATU082	1271E		1271E	1271E	1271E	1271E	
|DU×1(N58@t)| 1271F AKA: |DU×DIŠ| CDLI: |DU×DIŠ| 3× III: 3p	o0980183	PC25	1271F				1271F		
DU@g 12720 4× III: 1p/3u	o0980184	PC25	12720				12720		
DU$_6$~a 12721 15× IV: 1p; III: 14p/1u	o0980185	PC25 ZATU083	1 F20A6 12721 2 F20A7 3 F20A8		F20A7		(b) F20A8		
|DU$_6$~a×1(N58)| 12722 AKA: |DU$_6$~a×DIŠ| CDLI: |DU$_6$~a×DIŠ| 1× III: 1p	o0980186	PC25	12722						
DU$_6$~a@n	o0980187	ZERO	F2539						
DU$_6$~b 12723 31× IV: 1p; III: 27p/3u	o0980188	PC25 ZATU083	12723		12723	12723			
DU$_6$~c 12724 1× IV: 1p; III: 1p	o0980189	PC25 ZATU083	12724		12724				
DU$_7$ 12725 7× III: 4p/3u	o0980190	PC25 ZATU084	12725		12725				
DU$_8$~a 12726 1× IV: 1p	o0980191	PC25 ZATU085	12726						
DU$_8$~b 12727 2× IV: 2p; III: 1p	o0980192	PC25 ZATU085	12727 1 F20A9			12727			

DU_8~c 12728 40× IV: 6p; III: 34p/5u	o0980193	PC25 ZATU085	12728			12728	12728		
|DU_8~c×AB_2| 12729 1× III: 1p	o0980194	PC25	12729						12729
|DU_8~c×AMAR| 1272A 8× III: 8p	o0980195	PC25	1272A						1272A
|DU_8~c×HI| 1272B 3× IV: 1p; III: 1p	o0980196	PC25	1272B			1272B			
|DU_8~c×UDU~a| 1272C 8× III: 4p/4u	o0980197	PC25	1272C		1272C				
|DU_8~c×X|	o0980198	ZERO	F2411						
DU_8~c@g 1272D AKA: DU_8@g~c 21× IV: 1u; III: 16p/4u	o0980199	PC25 ZATU698	1272D 1 F20AA		1272D				
DUB~a 1272E 155× IV: 5p/2u; III: 104p/45u	o0980200	PC25 ZATU086	1272E		1272E	1272E	1272E	1272E	
DUB~b 1272F 69× IV: 36p/4u; III: 48p/8u	o0980201	PC25 ZATU086	1 F20AB 2 F20AC 3 F20AD 1272F 4 F20AE		F20AE	F20AB F20AC	F20AD	1272F	
DUB~b@r 1× IV: 1u	o0980202	UNP	F252A						
DUB~c 12730 1× IV: 1p	o0980203	PC25 ZATU086	12730						
DUB~d 12731 4× IV: 1p/1u; III: 2p	o0980204	PC25 ZATU086	12731			12731			
DUB~e 12732 1× III: 1p	o0980205	PC25 ZATU086	12732						
DUB~f 12733 4× III: 4p	o0980206	PC25 ZATU086	12733						

DUB~h 12734 1× III: 1p	o0980207	PC25 ZATU086	12734						12734
|(DUB@n~a×1(N58))~a| 12735 AKA: |(DUB×DIŠ)~a| CDLI: |(DUB×DIŠ)~a| 5× IV: 5p; III: 5p	o0980208	PC25 ZATU087	12735						
|(DUB@n~a×1(N58))~b| 12736 AKA: |(DUB×DIŠ)~c| CDLI: |(DUB×DIŠ)~c| 1× III: 1p	o0980209	PC25 ZATU087	12736		(c) 12736	12736			
|DUB@n~b×1(N58)~a| 12737 AKA: |(DUB×DIŠ)~b| CDLI: |(DUB×DIŠ)~b| 1× IV: 1p; III: 1p	o0980210	PC25 ZATU087	12737			12737			
DUB$_2$ 12738 2× III: 2p	o0980211	PC25	12738		12738				
DUG~a 12739 252× IV: 30p/10u; III: 193p/30u	o0980212	PC25 ZATU088	1 F20AF 2 F20B0 12739		12739	F20AF F20B0 12739	12739	12739	
|DUG~a×HI|	o0980213	EDI	F24F5						
|DUG~a×KASKAL| 1× III: 1u	o0980214	UNP ZATU103	F2412						
|DUG~a×KU$_6$~a| 1273A 1× III: 1p	o0980215	PC25 ZATU104	1273A						1273A
|DUG~a×LAM~b| 1× III: 1u	o0980216	UNP ZATU106	F2413						
|DUG~a×NAGA~a| 1273B 1× III: 1p	o0980217	PC25 ZATU109	1273B					1273B	
|DUG~a×U$_2$~a| 1273C 1× III: 1p	o0980218	PC25 ZATU122	1273C					1273C	
|DUG~a×U$_2$~b| 1273D 2× IV: 1p; III: 1p/1u	o0980219	PC25 ZATU122	1273D						
|DUG~a×X|	o0980220	EDI	F24F6						

|DUG~a×1(N57)| 1273E 9× IV: 1u; III: 8p	o0980221	PC25 ZATU091	1273E		1273E			1273E
DUG~b 1273F 130× IV: 37p/12u; III: 79p/23u	o0980222	PC25 ZATU088	1 F20B1 1273F		1273F	F20B1 1273F	1273F	
|DUG~b×AB$_2$| 12740 2× IV: 1p; III: 2p	o0980223	PC25 ZATU089	12740		12740	12740		
|DUG~b×ANŠE~b| 12741 5× III: 5p	o0980224	PC25 ZATU090	12741		12741			
|DUG~b×ANŠE~d| 12742 2× III: 2p	o0980225	PC25 ZATU090	12742		12742			
|DUG~b×BALA~a| 12743 10× III: 10p	o0980227	PC25 ZATU094	12743		12743			
|DUG~b×BIR$_3$~c| 12744 2× III: 1p/1u	o0980228	PC25 ZATU095	12744		12744			
|DUG~b×DIN| 12745 18× IV: 1p/4u; III: 12p/1u	o0980229	PC25 ZATU096	1 F20B2 12745		12745			
|(DUG~b×DIN)@r| 12746 AKA: |DUG~b@r×DIN| 1× IV: 1p	o0980230	PC25	12746					
|DUG~b×E~a| 1× III: 1u	o0980231	UNP	F2414					
|DUG~b×GA~a| 12747 2× III: 1p/1u	o0980232	PC25 ZATU097	12747		12747			
|DUG~b×GA~b| 12748 2× III: 2p	o0980233	PC25 ZATU097	12748		12748			
|DUG~b×GEŠTU~a| 12749 6× III: 5p/1u	o0980234	PC25 ZATU098	1 F20B3 12749		12749			
|DUG~b×GEŠTU~b| 1274A 1× III: 1p	o0980235	PC25 ZATU098	1274A		1274A			
|DUG~b×GI$_6$| 1274B 3× III: 3p	o0980236	PC25 ZATU099	1274B		1274B			

|DUG~b×GIŠ| 1274C 7× III: 6p/1u	o0980237	PC25 ZATU100	1274C		1274C				
|DUG~b×HI| 1274D 9× IV: 2p/1u; III: 7p	o0980238	PC25 ZATU101	1 F20B4 1274D		1274D	1274D			
|DUG~b×HI@g~a| 1274E 7× IV: 7p; III: 7p	o0980239	PC25 ZATU102	1274E			1274E			
|DUG~b×KASKAL| 1274F 10× III: 10p	o0980240	PC25 ZATU103	1274F		1274F				
|DUG~b×KU$_6$~a| 12750 2× III: 2p	o0980241	PC25 ZATU104	12750		12750				
|DUG~b×KUR~a| 12751 3× III: 3p	o0980242	PC25 ZATU105	12751		12751				
|DUG~b×(KUR~a.X)| 1× III: 1p	o0980243	PC25-bk	F2415		F2415				
|DUG~b×KUR~b| 12752 2× III: 1p/1u	o0980244	PC25 ZATU105	12752		12752				
|DUG~b×KUR@g~a| 12753 4× III: 4p	o0980245	PC25 ZATU107	12753		12753				
|DUG~b×LAM~a| 12754 4× III: 3p/1u	o0980246	PC25 ZATU106	12754		12754				
|DUG~b×MAŠ| 12755 16× IV: 2p/2u; III: 13p/1u	o0980247	PC25 ZATU108	1 F20B5 12755		12755	12755			
|DUG~b×NAGA~a| 12756 9× III: 6p/3u	o0980248	PC25 ZATU109	12756		12756				
|DUG~b×NAM$_2$| 12757 1× III: 1p	o0980249	PC25	12757		12757				
|DUG~b×(NI~a@g.ZATU779)| 1× III: 1u	o0980250	UNP	F2416						
|DUG~b×SA~a| 12758 6× III: 5p/1u	o0980251	PC25 ZATU110	12758		12758				
|DUG~b×(SA~a.GI)| 12759 CDLI: *DUG~b+SA~a+GI 4× III: 4p	o0980252	PC25 ZATU111	12759		12759				

|DUG~b×SI$_4$~a| 1275A 6× III: 6p	o0980253	PC25 ZATU112	1275A		1275A				
|DUG~b×(SI$_4$~a.X)| 1× III: 1p	o0980254	PC25-bk	F2417		F2417				
|DUG~b×SIG$_2$~a1| 1275B 3× III: 3p	o0980255	PC25 ZATU113	1275B		1275B				
|DUG~b×SIG$_2$~a2| 1275C 2× III: 2p	o0980256	PC25 ZATU113	1275C		1275C				
|DUG~b×SIG$_7$| 1275D 20× III: 19p/1u	o0980257	PC25 ZATU114	1275D		1275D				
|DUG~b×SUHUR| 1275E 1× III: 1p	o0980258	PC25 ZATU115	1275E		1275E				
|DUG~b×SUKUD~d| 1× III: 1u	o0980259	UNP ZATU116	F252B						
|DUG~b×ŠAH$_2$~a| 1275F 4× III: 4p	o0980260	PC25 ZATU117	1275F		1275F				
|DUG~b×ŠE~a| 12760 18× IV: 5p; III: 16p	o0980261	PC25 ZATU118	1 F20B6 2 F20B7 12760		12760	12760			
|DUG~b×(ŠE~a.NAM$_2$)| 12761 7× III: 7p	o0980262	PC25 ZATU119	12761		12761				
|DUG~b×TAK$_4$~a| 12762 5× III: 4p/1u	o0980263	PC25 ZATU120	12762		12762				
|DUG~b×(TAK$_4$~a.SA~a)| 12763 2× III: 1p/1u	o0980264	PC25	12763		12763				
|DUG~b×(TAK$_4$~a.SAL)| 12764 1× III: 1p	o0980265	PC25	12764		12764				
|DUG~b×TI| 12765 7× III: 7p	o0980266	PC25 ZATU121	12765		12765				
|DUG~b×U$_2$~a| 12766 2× III: 1p/1u	o0980267	PC25 ZATU122	12766		12766				

|DUG~b×U$_2$~b| 12767 2× III: 1p/1u	o0980268	PC25 ZATU122	1 F20B8 2 F20B9 12767 3 F20BA		F20BA				
|DUG~b×(UDU~a×TAR~b)| 12768 2× III: 2p	o0980269	PC25	12768						12768
|DUG~b×UH$_3$~a| 12769 3× III: 3p	o0980270	PC25 ZATU123	12769		12769				
|DUG~b×UH$_3$~a@t| 1276A 1× III: 1p	o0980271	PC25	1276A		1276A				
|DUG~b×X| 128× IV: 3p/3u; III: 110p/14u	o0980272	PC25-bk	1 F20BC F20BB		F20BB	F20BB			
|DUG~b×ZATU707~a| 1× III: 1u	o0980273	UNP	F2418						
|DUG~b×ZATU764| 1276B 2× III: 2p	o0980274	PC25 ZATU124	1276B		1276B				
|DUG~b×ZATU779| 1276C 4× III: 2p/2u	o0980275	PC25	1276C		1276C				
|DUG~b×ZATU780| 1276D 2× III: 2p	o0980276	PC25	1276D		1276D				
|DUG~b×ZATU781| 1276E 3× III: 3p	o0980277	PC25	1276E		1276E				
|DUG~b×(ZATU789.SA~a)| 1276F 1× III: 1p	o0980278	PC25	1276F		1276F				
|DUG~b×1(N57)| 12770 10× IV: 5p/1u; III: 6p/1u	o0980279	PC25 ZATU091	1 F20BD 12770		12770	F20BD			
|DUG~b×(1(N57).KU$_3$~a)| 12771 3× III: 3p	o0980280	PC25 ZATU092	12771		12771				
|DUG~b×3(N57)| 1× III: 1u	o0980281	UNP	F2419						

|DUG~b×1(N58)| 12772 1× III: 1p	o0980282	PC25	12772						12772
|(DUG~b&DUG~b)×1(N58)| 12773 AKA: |DUG~b&(DUG~b×1(N58))| 1× IV: 1p	o0980283	PC25	12773			12773			
DUG~c 12774 224× IV: 42p/20u; III: 138p/32u	o0980284	PC25 ZATU088	1 F20BE 12774		12774	F20BE 12774	12774	12774	
|DUG~c×1(N57)| 12775 69× IV: 18p/7u; III: 42p/6u	o0980285	PC25 ZATU091	1 F20BF 2 F20C0 12775		12775		12775		
DUG~c@t 12776 1× IV: 1p	o0980286	PC25	12776						
DUG~d 12777 4× III: 4p	o0980287	PC25 ZATU088	12777 1 F20C1			(e) F20C1			
DUGUD 12778 1× III: 1p	o0980288	PC25 ZATU125	12778						
DUR~a 12779 24× IV: 20p/1u; III: 11p/1u	o0980289	PC25 ZATU126	12779			12779	12779		
DUR~b 1277A 49× IV: 1p; III: 30p/15u	o0980290	PC25 ZATU126	1277A 1 F20C2				1277A	F20C2	
DUR$_2$ 1277B 75× IV: 4p; III: 55p/17u	o0980291	PC25 ZATU127	1277B		1277B		1277B	1277B	
E~a 1277C 86× IV: 1p; III: 79p/6u	o0980292	PC25 ZATU128	1277C						
E~b 1277D 24× IV: 1u; III: 19p/4u	o0980293	PC25 ZATU128	1277D						
E~c 1277E 1× IV: 1p; III: 1p	o0980294	PC25 ZATU128	1277E			1277E			

E~d 1× IV: 1u	o0980295	UNP ZATU128	F241A						
E~e	o0980296	EDI	F24D0						
E_2~a 1277F AKA: E_2 608× IV: 14p/11u; III: 449p/141u	o0980297	PC25 ZATU129	1277F		1277F	1277F	1277F	1277F	
|E_2~a.LIŠ| 1× III: 1u	o0980298	UNP	F2232						
|E_2~a×3(N58)| 1× III: 1u	o0980299	UNP	F241B						
|E_2~a×1(N58@t)| 12780 AKA: |E_2~a×1(N57)@t| CDLI: |E_2~a×1(N57)@t| 38× III: 38p	o0980300	PC25 ZATU131	12780					12780	
E_2~b 12781 201× IV: 5p/1u; III: 105p/88u	o0980301	PC25 ZATU129	12781		12781	12781	12781	12781	
|E_2~b.LIŠ| 1× III: 1u	o0980302	UNP	F2234						
|E_2~b×1(N58@t)| 12782 AKA: |E_2~b×1(N57)@t| CDLI: |E_2~b×1(N57)@t| 6× III: 5p/1u	o0980303	PC25 ZATU131	12782		12782				
E_2~c 12783 1× III: 1p	o0980304	PC25 ZATU129	12783						
E_2~d 12784 2× III: 2p	o0980305	PC25 ZATU129	12784						
E_3~a 2× IV: 1u; III: 1p/1u	o0980306	UNP ZATU132	F2231						
E_3~b 12785 1× III: 1p	o0980307	PC25 ZATU132	12785						
EDIN 12786 5× III: 5p	o0980308	PC25 ZATU133	12786		12786				
EN~a 12787 AKA: EN 1784× IV: 120p/47u; III: 1171p/487u	o0980309	PC25 ZATU134	1 F20C3 2 F20C4 3 F20C5 12787		F20C5	F20C3 F20C4 F20C5 12787	F20C5	F20C5	

EN~b 12788 79× IV: 63p/11u; III: 40p/4u	o0980310	PC25 ZATU134	12788 1 F20C6		F20C6	12788 F20C6		
EN~b@t 12789 1× IV: 1p; III: 1p	o0980311	PC25	12789			12789		
EN~c 1278A 15× III: 15p	o0980312	PC25 ZATU134	1278A 1 F20C7				1278A	1278A
|EN~c&EN~c| 1× IV: 1u	o0980313	UNP	F241C					
EN~e 1×	o0980314	UNP ZATU134	F241D					
EN@g~a 1278B 2× IV: 2p; III: 1p	o0980315	PC25 ZATU137	1278B			1278B		
EN@g~b 1278C 11× IV: 9p/2u; III: 4p	o0980316	PC25 ZATU137	1278C			1278C		
EN_2 1278D 44× IV: 3p/1u; III: 22p/20u	o0980317	PC25 ZATU138	1278D			1278D	1278D	
|EN_2.E_2~a| 4× III: 1p/3u	o0980318	PC25-sq	F2237					
|EN_2.E_2~b| AKA: |EN_2×E_2~b| 21× III: 7p/14u	o0980319	PC25-sq	F2238				F2238	
ENDIB 6× III: 6p	o0980320	PC25-sq ZATU139	F2236		F2236			
ENGIZ 21× III: 20p/1u	o0980321	PC25-sq ZATU140	F20C8 1 F20C9 2 F20CA		F20C8		F20C8	F20C8
ENKUM 13× III: 9p/4u	o0980322	PC25-sq ZATU141	F20CB 1 F20CC		F20CB			
ENLIL	o0980323	ZERO ZATU142	F2235		F2235			
ENSI	o0980324	EDI	F224E					

ENSI$_2$ o0980325	EDI	F2257						
ERIM~a 1278E 218× IV: 45p/24u; III: 115p/59u o0980326	PC25 ZATU143	1278E		1278E	1278E	1278E	1278E	
ERIM~b1 1278F 1× IV: 1p o0980327	PC25 ZATU143	1278F			1278F			
ERIM~b2 12790 2× IV: 1p; III: 1p o0980328	PC25 ZATU143	12790		(b) 12790	12790			
ERIM$_2$ 22× III: 18p/4u o0980329	PC25-sq ZATU144	F2255		F2255			F2255	
ERIN 12791 148× IV: 29p/4u; III: 113p/18u o0980330	PC25 ZATU145	12791		12791	12791	12791	12791	
EŠDA 12792 126× IV: 24p/1u; III: 92p/27u o0980331	PC25 ZATU147	12792		12792	12792	12792		
|EŠDA×TAR~a| 12793 AKA: |EŠDA×TAR| CDLI: |EŠDA×TAR| 1× III: 1p o0980332	PC25 ZATU148	12793			(o) 12793			
EŠGAR 12794 22× IV: 6p; III: 19p/3u o0980333	PC25 ZATU149	12794			12794			
EZEN~a 12795 22× IV: 9p/3u; III: 12p/4u o0980334	PC25 ZATU150	1 F20CD 12795		12795	12795			
|EZEN~a×EN~a| 1× IV: 1u o0980335	UNP ZATU151	F2420						
|EZEN~a×EN~b| 12796 2× IV: 1p; III: 2p o0980336	PC25 ZATU151	12796			12796			
|EZEN~a×(HI×1(N57).AN)| 12797 AKA: |EZEN~a×(HI.1(N57).AN)| CDLI: |EZEN~a×(HI.1(N57).AN)| 1× III: 1p o0980337	PC25	12797					12797	
|EZEN~a×KAB| 12798 1× IV: 1p; III: 1p o0980338	PC25 ZATU152	12798			12798			

|EZEN~a×KAŠ~b| 12799 2× III: 2p	o0980339	PC25	12799						12799
|EZEN~a×KI| 1279A AKA: |EZEN~a+KI| 1× III: 1p	o0980340	PC25	1279A						
|EZEN~a×LA~e|	o0980341	EDI	1 F20CF F20CE						
|EZEN~a×NIM~b2| 1279B 1× IV: 1p	o0980342	PC25 ZATU153	1279B						
|EZEN~a×NIMGIR| 1279C 2× IV: 1p; III: 1p/1u	o0980343	PC25 ZATU154	1279C			1279C			
|EZEN~a×RAD~a| 1279D 1× IV: 1p; III: 1p	o0980344	PC25 ZATU155	1279D			1279D			
|EZEN~a×SAG| 1× III: 1u	o0980345	UNP	F241E						
|EZEN~a×SU~a| 1279E 8× III: 5p/3u	o0980346	PC25 ZATU156	1279E		1279E				
|EZEN~a×(U_2~b.A)| 1279F 5× IV: 1u; III: 1p/3u	o0980347	PC25 ZATU157	1279F						
|EZEN~a×U_4| 127A0 1× IV: 1p	o0980348	PC25	127A0						
|EZEN~a×X| 2× IV: 1p; III: 1u	o0980349	PC25-bk	F241F						
EZEN~b 127A1 87× IV: 1p; III: 68p/18u	o0980350	PC25 ZATU150	127A1		127A1	127A1	127A1	127A1	
|EZEN~b×ŠE~a@t| 127A2 23× III: 19p/4u	o0980351	PC25	127A2						
|EZEN~b×6(N57)| 127A3 1× III: 1p	o0980352	PC25 ZATU411	1 F20D0 127A3		127A3				

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

GA_2~a1 127AE 111× IV: 11p/2u; III: 80p/18u	o0980365	PC25 ZATU162	127AE		127AE	127AE	127AE		
|GA_2~a1×A| 127AF 3× IV: 1p; III: 2p	o0980366	PC25	127AF		127AF				
|GA_2~a1×E_2~a| 127B0 AKA: |GA_2~a×E_2~a| 1× III: 1p	o0980367	PC25	127B0						127B0
|GA_2~a1×EN~a| 4× III: 3u	o0980368	UNP	F2527						
|GA_2~a1×EN~b| 127B1 1× IV: 1p; III: 1p	o0980369	PC25	127B1			127B1			
|GA_2~a1×GEŠTU~a| 127B2 1× III: 1p	o0980370	PC25	127B2						127B2
|GA_2~a1×GEŠTU~c3| 127B3 1× III: 1p	o0980371	PC25	127B3				127B3		
|GA_2~a1×GEŠTU~c5| 127B4 10× III: 10p	o0980372	PC25	127B4				127B4		
|GA_2~a1×GIR~a| 127B5 5× III: 5p	o0980373	PC25 ZATU167	127B5						
|GA_2~a1×(GIR~a.KU_6~a)| 127B6 1× III: 1p	o0980374	PC25	127B6						
|GA_2~a1×GIŠ@t| 127B7 1× IV: 1p; III: 1p	o0980375	PC25 ZATU168	127B7		127B7				
|GA_2~a1×GU_4|	o0980376	EDI	F24F8						
|GA_2~a1×HAL| 127B8 1× IV: 1p; III: 1p	o0980377	PC25	127B8		127B8				
|GA_2~a1×HI| 127B9 5× IV: 1p/2u; III: 3p	o0980378	PC25 ZATU170	127B9		127B9	127B9			
|GA_2~a1×(HI.SUHUR)| 1× IV: 1u	o0980379	UNP ZATU171	F2421						
|GA_2~a1×KU_3~a| 127BA 1× III: 1p	o0980380	PC25 ZATU172	127BA		127BA				
|GA_2~a1×KU_6~a| 127BB 13× IV: 3p/1u; III: 10p/1u	o0980381	PC25 ZATU173	127BB		127BB	127BB			

|GA$_2$~a1×(KU$_6$~a+KU$_6$~a)| 127BC CDLI: |GA$_2$~a1×(KU$_6$~a.KU$_6$~a)| 1× III: 1p o0980382 ZATU174	PC25	127BC						127BC
|GA$_2$~a1×LAGAB~b| 127BD 1× IV: 1p o0980383	PC25	127BD						
|GA$_2$~a1×MAŠ| 127BE 1× III: 1p o0980384 ZATU176	PC25	127BE		127BE				
|GA$_2$~a1×NAGA~a| 1× III: 1u o0980385 ZATU177	UNP	F2422						
|GA$_2$~a1×NIM~b1| AKA: |GA$_2$~a2×NIM~b1| CDLI: |GA$_2$~a2×NIM~b1| 1× III: 1u o0980386	UNP	F2423						
|GA$_2$~a1×NUN~a| o0980387	EDI	F24F9						
|GA$_2$~a1×PAD~b| 127BF 1× III: 1p o0980388	PC25	127BF						
|GA$_2$~a1×PAP~a| 127C0 1× III: 1p o0980389	PC25	127C0		127C0				
|GA$_2$~a1×SU~a| 127C1 1× III: 1p o0980390	PC25	127C1				127C1		
|GA$_2$~a1×SUHUR| 127C2 5× IV: 4p; III: 4p o0980391 ZATU179	PC25	127C2		127C2	127C2			
|GA$_2$~a1×SUKUD| 127C3 9× IV: 5p/2u; III: 5p/2u o0980392 ZATU180	PC25	127C3			127C3			
|GA$_2$~a1×((SUKUD+SUKUD)~a)| AKA: |GA$_2$~a1×(SUKUD&SUKUD)~a| CDLI: |GA$_2$~a1×((SUKUD&SUKUD)~a)| 1× IV: 1u o0980393	UNP	F2424						
|GA$_2$~a1×((SUKUD+SUKUD)~b)| AKA: |GA$_2$~a1×(SUKUD&SUKUD)~b| CDLI: |GA$_2$~a1×((SUKUD&SUKUD)~b)| 1× III: 1u o0980394	UNP	F2425						
|GA$_2$~a1×SUMAŠ| 127C4 1× IV: 1p; III: 1p o0980395 ZATU181	PC25	127C4			127C4			
|GA$_2$~a1×ŠA| 127C5 1× III: 1p o0980396	PC25	127C5				127C5		
|GA$_2$~a1×TI| 127C6 3× III: 3p o0980397	PC25	127C6		127C6				

|GA$_2$~a1×U$_4$| 127C7 13× III: 9p/4u	o0980398	PC25 ZATU183	127C7		127C7				
|GA$_2$~a1×X| 14× IV: 4p; III: 12p/1u	o0980399	PC25-bk	F20D7 1 F20D8		F20D7	F20D7	F20D7		F20D8
|GA$_2$~a1×1(N14)| 127C8 3× IV: 2p; III: 3p	o0980400	PC25 ZATU182	127C8			127C8			
|GA$_2$~a1×1(N57)| 127C9 3× IV: 3p; III: 1p	o0980401	PC25 ZATU164	127C9			127C9			
GA$_2$~a2 127CA 37× III: 13p/24u	o0980403	PC25 ZATU162	127CA						
|GA$_2$~a2×GU$_4$| 127CB 4× III: 3p/1u	o0980404	PC25	127CB						
|GA$_2$~a2×NI~a| 127CC 1× IV: 1p	o0980405	PC25 ZATU178	127CC						
|GA$_2$~a2×NI~b| 1× III: 1u	o0980406	UNP ZATU178	F2427						
|GA$_2$~a2×SUHUR| 127CD 1× IV: 1p	o0980407	PC25 ZATU179	127CD						
|GA$_2$~a2×ŠE$_3$| 127CE 3× III: 3p	o0980408	PC25	127CE				127CE		
|GA$_2$~a2×(ŠE$_3$.GU$_4$)| 127CF AKA: |GA$_2$~a2×(GU$_4$.ŠE$_3$)| CDLI: |GA$_2$~a2×(GU$_4$.ŠE$_3$)| 10× III: 9p/1u	o0980409	PC25 ZATU169	127CF						
|GA$_2$~a2×X| 1× III: 1p	o0980410	PC25-bk	F2428						
|GA$_2$~a2×3(N57)| 1× III: 1u	o0980411	UNP	F2542						
GA$_2$~a3 127D0 1× III: 1p	o0980412	PC25 ZATU162	127D0		127D0	127D0			
|GA$_2$~a3×X| 1× IV: 1p; III: 1p	o0980413	PC25-bk	F2429						
GA$_2$~a4 127D1 1× IV: 1p; III: 1p	o0980414	PC25 ZATU162	127D1			127D1			
GA$_2$~b 127D2 18× IV: 9p/1u; III: 15p	o0980415	PC25 ZATU162	127D2		127D2	127D2			

|GA$_2$~b×DUB~a| 127D3 11× IV: 1p/2u; III: 6p/3u	o0980416	PC25 ZATU166	127D3 [1] F20D9		F20D9	127D3			
|GA$_2$~b×DUB~b| 127D4 1× IV: 1p; III: 1p	o0980417	PC25 ZATU166	127D4			127D4			
|GA$_2$~b×KU$_3$~a| 1× III: 1u	o0980418	UNP ZATU172	F242A						
|GA$_2$~b×KU$_6$~a| 127D5 1× III: 1p	o0980419	PC25 ZATU173	127D5						127D5
|GA$_2$~b×NUN~b| 1×	o0980420	UNP	F252E						
|GA$_2$~b×ZATU659| 127D6 1× III: 1p	o0980421	PC25	127D6						
GA$_2$~c 127D7 1× III: 1p	o0980422	PC25 ZATU162	127D7						
GA'AR~a1 127D8 44× IV: 1u; III: 42p/1u	o0980423	PC25 ZATU184	127D8		127D8		127D8		
GA'AR~a2 127D9 17× IV: 1p/1u; III: 11p/4u	o0980424	PC25 ZATU184	127D9						
GA'AR~b1 127DA 2× IV: 1p; III: 2p	o0980425	PC25 ZATU184	127DA		127DA				
GA'AR~b2 127DB 3× IV: 2p; III: 1p	o0980426	PC25 ZATU184	127DB						
GADA~a 127DC 122× IV: 12p/11u; III: 70p/30u	o0980427	PC25 ZATU186	127DC		127DC	127DC		127DC	
GADA~b 1× IV: 1u; III: 1p	o0980428	UNP ZATU186	F242B						
GADA~b@g 127DD 8× IV: 2p/4u; III: 3p/1u	o0980429	PC25 ZATU187	127DD						
GAL~a 127DE 1236× IV: 54p/12u; III: 930p/261u	o0980430	PC25 ZATU188	127DE		127DE	127DE	127DE	127DE	
GAL~b 127DF 11× IV: 3p/2u; III: 6p	o0980431	PC25 ZATU188	127DF		127DF				

GALGA~a 127E0 12× III: 12p	o0980432	PC25 ZATU189	127E0		127E0			
GALGA~b 3× III: 3u	o0980433	UNP ZATU189	F242C					
GAN~a 127E1 50× IV: 3p; III: 39p/9u	o0980434	PC25 ZATU190	1 F20DA 127E1		127E1		127E1	127E1
GAN~b 127E2 40× IV: 6p/1u; III: 28p/8u	o0980435	PC25 ZATU190	1 F20DB 2 F20DC 3 F20DD 127E2		F20DB	F20DB		
GAN~c 127E3 40× III: 24p/16u	o0980436	PC25 ZATU190	127E3 1 F20DE		127E3			127E3
|GAN~c×DIN| 127E4 1× III: 1p	o0980437	PC25	127E4		(b) 127E4			
|GAN~c×HI| 127E5 1× IV: 1p	o0980438	PC25	127E5					
|GAN~c×(HI.DIN)| 127E6 2× IV: 2p	o0980439	PC25 ZATU191	127E6					
|GAN~c×KAŠ~c| 127E7 2× III: 2p	o0980440	PC25	127E7					
|GAN~c×(KUR~a.A)| 127E8 1× III: 1p	o0980441	PC25	127E8					
|GAN~c×LAGAB~b| 127E9 2× IV: 1p; III: 2p	o0980442	PC25 ZATU192	127E9					
|GAN~c×NE~a| 3× III: 3u	o0980443	UNP ZATU193	F242D					
|GAN~c×SIG$_7$| 127EA 1× III: 1p	o0980444	PC25	127EA					
|GAN~c×ŠE~a| 4× III: 4u	o0980445	UNP ZATU194	F242F					
|GAN~c×ŠE$_3$@t| 1× III: 1u	o0980446	UNP	F2430					

|GAN~c×X| 3× IV: 1p; III: 2p/1u	o0980447	PC25-bk	F242E						
|GAN~c×ZATU777| 127EB 1× III: 1p	o0980448	PC25	127EB						
|GAN~c×(4(N57).GAR)| 127EC 1× III: 1p	o0980449	PC25	127EC						127EC
GAN~d	o0980450	EDI	F24D2						
|GAN~d×GEŠTU~a| 127ED 1× III: 1p	o0980451	PC25	127ED						
|GAN~d×HI|	o0980452	EDI	F24FA						
GAN_2 127EE 270× IV: 10p/2u; III: 190p/65u	o0980453	PC25 ZATU195	127EE		127EE		127EE	127EE	
GAR 127EF 373× IV: 44p/28u; III: 241p/73u	o0980454	PC25 ZATU196	127EF		127EF	127EF	127EF	127EF	
GAR@g~a 127F0 4× IV: 4p; III: 4p	o0980455	PC25 ZATU197	127F0			127F0			
GAR@g~b 127F1 3× III: 2p/1u	o0980456	PC25 ZATU197	127F1		127F1				
GAR@g~c 127F2 3× III: 2p/1u	o0980457	PC25 ZATU197	127F2		127F2				
GAR_3 127F3 29× IV: 29p; III: 10p	o0980458	PC25 ZATU198	127F3			127F3			
$GARA_2$~a 127F4 55× IV: 2u; III: 37p/16u	o0980459	PC25 ZATU199	127F4		127F4			127F4	
$GARA_2$~b 2× III: 2u	o0980460	UNP ZATU199	F2431						
GAZI 127F5 15× III: 14p/1u	o0980461	PC25 ZATU200	127F5		127F5				
GEŠTIN~a 127F6 8× III: 6p/2u	o0980462	PC25 ZATU202	127F6		127F6				
GEŠTIN~c	o0980463	EDI	F24D3						

|GEŠTIN~c×X|	o0980464	EDI	F24FB						
GEŠTIN~d 127F7 1× III: 1p	o0980465	PC25 ZATU202	127F7						127F7
GEŠTIN~e 127F8 1× III: 1p	o0980466	PC25 ZATU202	127F8						127F8
GEŠTU~a 127F9 26× IV: 9p/2u; III: 13p/6u	o0980467	PC25 ZATU203	127F9 1 F20DF 2 F20E0		F20E0	127F9			
|GEŠTU~a×ŠE~a@t| 127FA 1× III: 1p	o0980468	PC25	127FA						
GEŠTU~b 127FB 85× IV: 27p/7u; III: 44p/24u	o0980469	PC25 ZATU203	127FB		127FB	127FB	127FB	127FB	
GEŠTU~c3 127FC 9× IV: 2p/1u; III: 7p	o0980470	PC25 ZATU203	127FC 1 F20E1						
GEŠTU~c5 127FD 2× III: 2p	o0980471	PC25 ZATU203	127FD				127FD		
GI 127FE 667× IV: 48p/8u; III: 459p/182u	o0980472	PC25 ZATU204	1 F20E2 127FE		127FE	F20E2 127FE	127FE	127FE	
|GI×A| 127FF AKA: |GI+A| 1× III: 1p	o0980473	PC25	127FF						127FF
|GI×GIŠ@t| 12800 1× III: 1p	o0980474	PC25 ZATU207	12800			12800			
|GI×KU~b1| 12801 6× III: 6p	o0980475	PC25	12801				12801		
|GI×LAGAB~a| 12802 3× IV: 2p; III: 1p/1u	o0980476	PC25 ZATU208	12802			12802			
|GI×NAM$_2$| 12803 2× IV: 1p/1u; III: 1p	o0980477	PC25 ZATU209	12803			12803			
|GI×SIG$_2$~d1| 12804 2× IV: 2p; III: 2p	o0980478	PC25 ZATU210	12804			12804			

|GI×ŠE$_3$| 12805 5× IV: 1p; III: 4p	o0980479	PC25	12805		12805				
|GI×X| 1× IV: 1u	o0980480	UNP	F2432						
|GI×1(N14)| 12806 1× IV: 1p; III: 1p	o0980481	PC25 ZATU211	12806			12806			
|GI×1(N58@t)| 12807 AKA: |GI×1(N58)@t| CDLI: |GI×1(N58)@t| 2× III: 2p	o0980482	PC25	12807						
|GI&GI| 12808 83× IV: 1p; III: 64p/19u	o0980483	PC25	12808		12808	12808	12808	12808	
|(GI&GI)×GIŠ@t| 12809 1× IV: 1p; III: 1p	o0980484	PC25	12809						
|(GI&GI)×ŠE$_3$| CDLI: |(GI+&GI)×ŠE$_3$| 2× III: 2u	o0980485	UNP ZATU206	F2433						
|(GI&GI)×X|	o0980486	ZERO	F2434					F2434	
|GI&GI&GI| 1280A 2× IV: 1p; III: 2p	o0980487	PC25	1280A						
GI@t 1280B 1× IV: 1p; III: 1p	o0980488	PC25	1280B						
GI$_4$~a 1280C 31× IV: 1p; III: 21p/10u	o0980489	PC25 ZATU212	1280C		1280C	1280C	1280C	1280C	
|GI$_4$~a×A| 1280D 1× III: 1p	o0980490	PC25	1280D						
|GI$_4$~a&GI$_4$~a| 1× III: 1u	o0980491	UNP	F2435						
GI$_4$~b 1280E 8× IV: 6p/1u; III: 8p	o0980492	PC25 ZATU212	1280E			1280E			
|GI$_4$~b&GI$_4$~b| 1280F 1× IV: 1p	o0980493	PC25	1280F						

GI_6 12810 AKA: GI_6~a 129× IV: 15p/1u; III: 86p/38u	o0980494	PC25 ZATU213	1 F20E3 12810		12810	F20E3 12810	12810	12810	
GIBIL 12811 98× IV: 2p; III: 81p/17u	o0980495	PC25 ZATU214	12811			12811	12811	12811	
GIBIL@t 1× III: 1u	o0980496	UNP	F2436						
$GIBIL_6$ 2× III: 2p	o0980497	PC25-sq ZATU215	F20E4 1 F20E5		F20E5				
GIG	o0980498	EDI	F223D						
GIL	o0980499	EDI	F24D4						
GIR~a 12812 22× IV: 1p; III: 14p/6u	o0980500	PC25 ZATU216	12812		12812				
|GIR~a.KU_6~a| 1× III: 1p	o0980501	PC25-sq	F223E						
GIR~b 12813 16× IV: 2p; III: 12p/4u	o0980502	PC25 ZATU216	1 F20E6 12813		F20E6	F20E6			
|GIR~b.GIR~b| 4× III: 4p	o0980503	PC25-sq	F223F		F223F				
GIR~c 12814 3× III: 3p	o0980504	PC25 ZATU216	12814		12814				
GIR~d 1× IV: 1u	o0980505	UNP ZATU216	F2437						
GIR_2~a 12815 71× IV: 5p/2u; III: 59p/6u	o0980506	PC25 ZATU218	12815		12815		12815		
GIR_2~b	o0980507	ZERO ZATU218	F2438						
GIR_3~a 12816 23× IV: 15p/1u; III: 17p/2u	o0980508	PC25 ZATU219	12816		12816	12816			

|GIR$_3$~a×ŠE~b| 12817 1× IV: 1p	o0980509	PC25 ZATU220	12817						
GIR$_3$~b 12818 1× IV: 1p	o0980510	PC25 ZATU219	12818						
GIR$_3$~c 12819 112× IV: 5p/1u; III: 59p/47u	o0980511	PC25 ZATU219	12819		12819		12819	12819	
|GIR$_3$~c×KAR$_2$~b| AKA: |GIR$_3$~c×KAR$_2$| CDLI: |GIR$_3$~c×KAR$_2$| 3× III: 3u	o0980512	UNP	F2439						
|GIR$_3$~c×ŠE$_3$| 1281A 2× III: 2p	o0980513	PC25	1281A		1281A				
GIR$_3$@g~a 1281B 4× IV: 3p; III: 2p	o0980514	PC25 ZATU221	1281B		1281B				
GIR$_3$@g~b 1281C 76× IV: 1p; III: 68p/7u	o0980515	PC25 ZATU221	1281C				1281C	1281C	
GIR$_3$@g~c 1281D AKA: GIR$_3$~c@g 11× IV: 1p; III: 4p/6u	o0980516	PC25 ZATU221	1281D				1281D		
GIR$_4$	o0980517	EDI	F24D5						
GISAL~a 1281E 1× IV: 1p; III: 1p	o0980518	PC25 ZATU222	1281E			1281E			
GISAL~b 1281F 2× IV: 2p; III: 2p	o0980519	PC25 ZATU222	1281F			1281F			
GIŠ 12820 405× IV: 8p/4u; III: 362p/36u	o0980520	PC25 ZATU223	12820		12820	12820	12820	12820	
|GIŠ.TE| 27× III: 24p/3u	o0980521	PC25-sq ZATU226	F2242				F2242	F2242	
|(GIŠ×(DIN.DIN))~a| 12821 4× III: 4p	o0980522	PC25 ZATU224	12821		12821				
|(GIŠ×(DIN.DIN))~b| 12822 1× IV: 1p	o0980523	PC25 ZATU224	12822						

|(GIŠ×(DIN.DIN))~c| 12823 1× III: 1p	o0980524	PC25 ZATU224	12823		12823				
|(GIŠ×ŠU$_2$)~a| 12824 AKA: |GIŠ×ŠU$_2$~a| CDLI: |GIŠ×ŠU$_2$~a| 42× IV: 1p; III: 29p/12u	o0980525	PC25 ZATU225	12824		12824		12824	12824	
|(GIŠ×ŠU$_2$)~b| 12825 AKA: |GIŠ×ŠU$_2$~b| CDLI: |GIŠ×ŠU$_2$~b| 16× III: 16p	o0980526	PC25 ZATU225	12825		12825				
GIŠ~v CDLI: GIŠ~x	o0980527	EDI	F24D6						
GIŠ@t 12826 37× IV: 8p/1u; III: 30p/2u	o0980528	PC25 ZATU227	12826		12826	12826	12826	12826	
|GIŠ@t.E$_2$~a|	o0980529	EDI	F2243						
GIŠ$_3$~a 12827 14× III: 11p/2u	o0980530	PC25 ZATU228	12827						
|GIŠ$_3$~a&GIŠ$_3$~a| 12828 3× III: 2p/1u	o0980531	PC25	12828		12828				
GIŠ$_3$~b 12829 54× III: 18p/35u	o0980532	PC25 ZATU228	12829		12829		12829		
GIŠGAL 1282A 10× III: 9p/1u	o0980533	PC25 ZATU229	1 F20E7 1282A		1282A				
GIŠIMMAR~a1 1282B 6× IV: 3p/1u; III: 4p	o0980534	PC25 ZATU230	1282B			1282B			
GIŠIMMAR~a2 1282C 9× IV: 1p; III: 5p/1u	o0980535	PC25 ZATU230	1282C		1282C				
GIŠIMMAR~a3 1282D 2× III: 1p/1u	o0980536	PC25 ZATU230	1282D 1 F20E8					F20E8	

GIŠIMMAR~b1 1282E 45× IV: 3p; III: 37p/4u	o0980537	PC25 ZATU230	1 F20E9 2 F20EA 1282E		1282E	F20E9	F20E9	F20E9
GIŠIMMAR~b2 1282F 1× IV: 1p	o0980538	PC25 ZATU230	1282F					
GIŠIMMAR~b3 12830 2× IV: 1p; III: 1p	o0980539	PC25 ZATU230	12830			12830		
GIZZAL~v CDLI: GIZZAL~x 1× III: 1u	o0980540	UNP ZATU231	F223C					
GU 12831 AKA: GU~a 101× IV: 2p/2u; III: 56p/43u	o0980541	PC25 ZATU232	12831		(a) 12831		(a) 12831	(a) 12831
GU$_2$ 12832 2× III: 2p	o0980542	PC25 ZATU233	12832		12832			
GU$_4$ 12833 201× IV: 52p/4u; III: 151p/37u	o0980543	PC25 ZATU234	1 F20EB 12833		12833	F20EB 12833	12833	12833
|GU$_4$.ZATU755~b| AKA: |GU$_4$.ZATU755~a| CDLI: |GU$_4$.ZATU755~a| 1× IV: 1p; III: 1p	o0980544	PC25-sq	F2244			F2244		
|GU$_4$×1(N58)| CDLI: *GU$_4$+1N58	o0982249	ZERO	F2540			F2540		
GU$_4$@g 12834 5× III: 3p/2u	o0980546	PC25	12834 1 F20EC				12834	F20EC
GU$_7$ 12835 314× IV: 6p/4u; III: 250p/58u	o0980547	PC25 ZATU235	12835 1 F20ED				12835	12835
GUB$_3$~a 12836 11× IV: 1p/4u; III: 4p/3u	o0980548	PC25 ZATU236	12836		12836			
GUB$_3$~b 12837 2× III: 1p/1u	o0980549	PC25 ZATU236	12837		12837			
GUB$_3$~c 12838 3× IV: 1p; III: 2p	o0980550	PC25 ZATU236	12838					

GUB$_3$~d 12839 1× IV: 1p; III: 1p	o0980551	PC25 ZATU236	12839 1 F20EE					F20EE
GUG$_2$ 1283A AKA: GUG$_2$~a 190× IV: 36p/5u; III: 116p/36u	o0980552	PC25 ZATU237	1 F20EF 1283A 2 F20F0		(a) F20F0	(a) 1283A	(a) F20F0	(a) 1283A
|GUG$_2$×SILA$_3$~a| 1283B 1× IV: 1p	o0980553	PC25 ZATU238	1283B					
|GUG$_2$×ŠITA~a1| 1× III: 1u	o0980554	UNP	F24FC					
|GUG$_2$×TUR| 1283C 1× IV: 1p	o0980555	PC25 ZATU239	1283C					
GUG$_2$@t	o0980556	ZERO	F243A					
GUKKAL~a 1283D 28× IV: 27p; III: 27p	o0980557	PC25 ZATU240	1283D			1283D		
|GUKKAL~a.HI@g~a| 2× IV: 2p; III: 2p	o0980558	PC25-sq ZATU241	F2245			F2245		
GUKKAL~b 1283E 2× IV: 2p	o0980559	PC25 ZATU240	1283E			1283E		
GUKKAL~c 1283F 9× III: 6p/1u	o0980560	PC25 ZATU240	1283F		1283F			
GUKKAL~d 12840 1× IV: 1p; III: 1p	o0980561	PC25 ZATU240	12840			12840		
GUL 12841 28× IV: 4p; III: 21p/3u	o0980562	PC25 ZATU242	12841		12841	12841	12841	12841
GUM~a 12842 16× IV: 14p/1u; III: 13p	o0980563	PC25 ZATU243	12842			12842		
GUM~b 12843 41× IV: 3p/1u; III: 29p/10u	o0980564	PC25 ZATU243	12843 1 F20F1		F20F1	12843	F20F1	12843
GUM~b@n 12844 1× III: 1p	o0980565	PC25 ZATU244	12844 1 F20F2		12844			

GUN$_3$~a 12845 13× IV: 1p; III: 8p/5u	o0980566	PC25 ZATU245	12845			12845		
GUN$_3$~b 12846 10× IV: 1u; III: 6p/3u	o0980567	PC25 ZATU245	12846		12846			12846
GUR 12847 2× III: 2p	o0980568	PC25 ZATU246	12847		12847			
GURUŠ~a 12848 64× IV: 23p/2u; III: 45p/15u	o0980569	PC25 ZATU247	1 F20F3 12848 2 F20F4		F20F4	F20F3 12848	F20F3	F20F3
|GURUŠ~a×2(N14)| 12849 4× IV: 2p/2u; III: 2p	o0980570	PC25 ZATU248	12849		12849	12849		
GURUŠ~b 1284A 4× IV: 4p; III: 1p	o0980571	PC25 ZATU247	1284A			1284A		
|GURUŠ~b×2(N14)| 1284B 2× IV: 1p/1u; III: 1p	o0980572	PC25 ZATU248	1284B			1284B		
|GURUŠ~c×2(N14)| 1284C 1× III: 1p	o0980573	PC25 ZATU248	1284C					1284C
GURUŠDA 1284D AKA: GURUŠDA~a 80× IV: 35p/3u; III: 60p/8u	o0980574	PC25 ZATU249	1284D		(a) 1284D	(a) 1284D	(a) 1284D	1284D
HAL 1284E 90× IV: 2p/2u; III: 68p/18u	o0980575	PC25 ZATU250	1284E		1284E		1284E	
HALUB 1284F 11× III: 11p	o0980576	PC25 ZATU251	1284F		1284F			
HAŠHUR 12850 112× IV: 42p/9u; III: 64p/14u	o0980577	PC25 ZATU252	12850		12850	12850	12850	12850
|HAŠHUR×MA| 12851 3× IV: 2p; III: 1p	o0980578	PC25 ZATU253	12851		12851			
HI 12852 AKA: HI~a 349× IV: 13p/4u; III: 230p/105u	o0980579	PC25 ZATU254	12852		12852	12852	12852	12852

|HI.SUHUR| PC25-sq 7× IV: 2u; III: 2p/3u o0980580 ZATU256	1 F20F6 2 F20F7 F20F5		F20F5					
|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 12853 12× IV: 1p; III: 10p/2u o0980585	12853		12853 (b)			12853		
|(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 AKA: |HI×1(N57)@t| CDLI: |HI×1(N57)@t| 2× III: 2p o0980587 ZATU255	12854			12854	12854 (a)			
|HI×1(N58)| UNP 1× IV: 1u o0980588	F243C							
HI~b UNP 1× o0980589 ZATU254	F252F							
HI@g~a PC25 12855 AKA: HI@g HI~a@g 176× IV: 9p; III: 140p/33u o0980590 ZATU258	12855			12855	12855	12855		
HI@g~b PC25 12856 12× IV: 2p; III: 8p/2u o0980591 ZATU258	12856		12856	12856	12856	12856		
HI@g~c PC25 12857 1× III: 1p o0980592 ZATU258	12857							
HUB$_2$ EDI o0980593	F24D7							
I PC25 12858 43× IV: 1p; III: 24p/19u o0980594 ZATU259	12858		12858	12858	12858	12858		

IB~a 12859 393× IV: 45p/9u; III: 248p/110u	o0980595	PC25 ZATU260	12859 1 F20FA 2 F20FB		12859	12859	12859	12859	
IB~a@n 1285A CDLI: |IB~a@n| 1× III: 1p	o0980596	PC25	1285A						
IB~b 1285B 9× IV: 7p; III: 5p	o0980597	PC25 ZATU260	1285B		1285B	1285B			
IB~c 1285C 5× III: 5p	o0980598	PC25 ZATU260	1285C						1285C
IDIGNA 1285D 57× IV: 10p; III: 42p/11u	o0980599	PC25 ZATU261	1 F20FC 1285D		1285D	F20FC 1285D			
IG~a 1285E 2× III: 2p	o0980600	PC25	1285E				1285E		
IG~b 1285F 2× III: 1p/1u	o0980601	PC25	1285F						
IGI	o0980602	EDI	F24D8						
IL 12860 10× III: 8p/2u	o0980603	PC25 ZATU262	12860				12860		
ILDUM~a 1× IV: 1p	o0980604	PC25-sq ZATU263	F2253						
ILDUM~b 4× III: 4p	o0980605	PC25-sq ZATU263	F2254		F2254				
IM~a 12861 97× III: 65p/32u	o0980606	PC25 ZATU264	12861		12861		12861	12861	
IM~a@g	o0980607	EDI	F24D9						
IM~b 12862 13× III: 11p/2u	o0980608	PC25 ZATU264	12862		12862			12862	
IN~b 12863 29× IV: 2p/1u; III: 23p/5u	o0980609	PC25 ZATU265	12863 1 F20FD		12863		12863		

IN~d 12864 1× III: 1p	o0980610	PC25 ZATU266	12864	12864				
IR~a 12865 47× IV: 2p; III: 43p/3u	o0980611	PC25 ZATU267	12865		12865	12865		
|IR~a.GA$_2$~a1| 1× III: 1p	o0980612	PC25-sq	F2247					
IR~b 12866 2× III: 2p	o0980613	PC25 ZATU267	12866		12866			
IR~c 12867 1× IV: 1p; III: 1p	o0980614	PC25 ZATU267	12867			12867		
IR~d 12868 1× IV: 1p	o0980615	PC25 ZATU267	12868					
IR$_{11}$ 9× III: 5p/4u	o0980616	PC25-sq ZATU268	1 F20FF F20FE					
IRHAN 1× III: 1p	o0980617	PC25-bk ZATU269	F243D					
IŠ~a 12869 26× IV: 3p; III: 22p/4u	o0980618	PC25 ZATU270	1 F2100 12869 2 F2101 3 F2102		F2101	F2100 12869	F2102	
IŠ~b 1286A 74× IV: 5p/1u; III: 52p/19u	o0980619	PC25 ZATU270	1286A 1 F2103 2 F2104 3 F2105 4 F2106 5 F2107		F2103	1286A F2103		F2103
IŠ~c 1286B 2× IV: 1p; III: 1p/1u	o0980620	PC25 ZATU270	1286B			1286B		
KA~a 1286C 97× IV: 5p/1u; III: 52p/43u	o0980621	PC25 ZATU271	1286C		1286C	1286C	1286C	1286C

|KA~a.ŠE~a| 1× III: 1p	o0980622	PC25-sq ZATU274	F2108 1 F2109						
|KA~a×SAR~a| 1286D 1× III: 1p	o0980623	PC25 ZATU273	1286D		1286D				
KA$_2$~a 1286E 13× IV: 2p; III: 10p/2u	o0980624	PC25 ZATU275	1286E						
KA$_2$~b 1286F 6× III: 4p/2u	o0980625	PC25 ZATU275	1286F						
KA$_2$~c 1× IV: 1u	o0980626	UNP ZATU275	F243E						
KA$_2$~d	o0980627	EDI	F24DA						
|KA$_2$~d×LAM~b| 12870 AKA: |KA$_2$×LAM| CDLI: |KA$_2$×LAM| 20× IV: 2p; III: 18p/1u	o0980628	PC25 ZATU276	12870 1 F210A		(o) 12870	(o) 12870	(o) 12870		
KAB 12871 AKA: TUKU 146× IV: 36p/9u; III: 90p/30u	o0980629	PC25 ZATU277	12871		12871	12871	12871	12871	
|KAB×1(N58)| AKA: |TUKU+DIŠ| 3× IV: 1u; III: 2u	o0980630	UNP ZATU278	F243F						
KAD$_4$~a 12872 9× III: 9p	o0980631	PC25 ZATU279	12872		12872				
KAD$_4$~b 12873 2× III: 2p	o0980632	PC25 ZATU279	12873		12873				
KAD$_4$~c1 1× IV: 1u	o0980633	UNP ZATU279	F2440						
KAD$_4$~c2 1× IV: 1u	o0980634	UNP ZATU279	F2441						
KAK~a 12874 51× IV: 4p; III: 37p/11u	o0980635	PC25 ZATU280	12874		12874	12874	12874		
|KAK~a.GA$_2$~a1| 3× III: 3p	o0980636	PC25-sq	F2248		F2248				

KAK~b 12875 1× IV: 1p; III: 1p	o0980637	PC25 ZATU280	12875			12875			
KAL~a 12876 5× III: 5p	o0980638	PC25 ZATU281	12876		12876				
KAL~b1 12877 2× III: 2p	o0980639	PC25 ZATU281	12877 1 F210B		12877		12877		
KAL~b2 12878 15× III: 8p/7u	o0980640	PC25 ZATU281	12878		12878				
KALAM~a 12879 29× IV: 2p/1u; III: 18p/9u	o0980641	PC25 ZATU282	12879			12879	12879	12879	
KALAM~b 1287A 54× IV: 3u; III: 31p/20u	o0980642	PC25 ZATU282	1287A				1287A	1287A	
KALAM~c 1287B 1× III: 1p	o0980643	PC25 ZATU282	1287B						
KALAM~d 1287C 1× III: 1p	o0980644	PC25 ZATU282	1287C						
KALAM~e 1287D 1× III: 1p	o0980645	PC25 ZATU282	1287D						
KALAM~f 1287E 1× III: 1p	o0980646	PC25 ZATU282	1287E						
KALAM~g 1287F 6× III: 6p	o0980647	PC25 ZATU282	1287F						1287F
KALAM~h 12880 3× III: 2p	o0980648	PC25 ZATU282	12880						12880
KALAM~h2 12881 1× III: 1p	o0980649	PC25 ZATU282	12881						12881
KAR 7× IV: 2u; III: 5p/1u	o0980650	PC25-sq ZATU283	F2272		F2272				
KAR$_2$~a 12882 63× IV: 1p/1u; III: 51p/10u	o0980651	PC25 ZATU284	12882		12882		12882		
KAR$_2$~b 12883 11× IV: 1p; III: 8p/2u	o0980652	PC25 ZATU284	12883		12883				

KASKAL 12884 58× IV: 6p/1u; III: 31p/22u	o0980653	PC25 ZATU285	12884		12884	12884	12884	12884	
KASKAL@g CDLI: |KASKAL@g| 1× III: 1u	o0980654	UNP	F2442						
KAŠ~a 12885 122× IV: 15p/4u; III: 97p/9u	o0980655	PC25 ZATU286	1 F210C 12885		12885	12885	12885	12885	
KAŠ~b 12886 126× IV: 32p/7u; III: 90p/21u	o0980656	PC25 ZATU286	1 F210D 12886		12886	F210D 12886	12886	12886	
|KAŠ~b×ŠE~a@t| 12887 AKA: |KAŠ~b×ŠE~a| CDLI: |KAŠ~b×ŠE~a| 2× IV: 2p	o0980657	PC25 ZATU288	12887						
KAŠ~b@t CDLI: |KAŠ~b@t|	o0980658	ZERO	F2443						
KAŠ~c 12888 150× IV: 25p/11u; III: 47p/67u	o0980659	PC25 ZATU287	12888		12888		12888	12888	
KAŠ~d 12889 19× III: 19p	o0980660	PC25 ZATU286	12889 1 F210E						F210E
KEŠ$_2$	o0980661	EDI	F24DB						
KI 1288A AKA: KI~a 553× IV: 7p/5u; III: 327p/214u	o0980662	PC25 ZATU289	1288A		(a) 1288A	(a) 1288A	(a) 1288A	(a) 1288A	
KI@n 1288B 4× III: 2p/2u	o0980663	PC25	1288B					1288B	
|KI@n×DUB~a| 1288C AKA: |KI@n+DUB~a| 1× III: 1p	o0980664	PC25 ZATU567	1288C						
KIB 1288D 11× IV: 1p/1u; III: 7p/2u	o0980665	PC25 ZATU290	1288D		1288D				
KIB@g 1288E 1× III: 1p	o0980666	PC25	1288E						

KID~a 1288F 18× III: 15p/3u	o0980667	PC25 ZATU291	1288F		1288F		1288F		
KID~b 12890 73× IV: 1p; III: 55p/17u	o0980668	PC25 ZATU291	12890		12890		12890	12890	
KID~c 12891 5× IV: 1p; III: 4p	o0980669	PC25 ZATU291	12891			12891			
KID~d 12892 1× IV: 1p; III: 1p	o0980670	PC25 ZATU291	12892			12892			
KID~e 12893 3× III: 3p	o0980671	PC25 ZATU291	12893					12893	
KIN 12894 3× III: 3p	o0980672	PC25 ZATU292	12894		12894				
KIN$_2$~a 12895 1× IV: 1p; III: 1p	o0980673	PC25 ZATU293	12895			12895			
KIN$_2$~b 12896 1× III: 1p	o0980674	PC25 ZATU293	12896						12896
KIN$_2$~c 12897 13× III: 13p	o0980675	PC25 ZATU293	12897		12897				
KIN$_2$~d 12898 3× III: 3p	o0980676	PC25 ZATU293	12898		12898				
KIN$_2$~e 12899 1× IV: 1p; III: 1p	o0980677	PC25 ZATU293	12899 1 F210F			F210F			
KINGAL 44× IV: 3p; III: 33p/10u	o0980678	PC25-sq ZATU294	1 F2111 F2110		F2110	F2111		F2110	
KIR$_{11}$ 22× III: 7p/15u	o0980679	PC25-sq	F225E						
KISAL~a1 1289A 15× IV: 13p; III: 6p/1u	o0980680	PC25 ZATU295	1289A		1289A	1289A			
KISAL~a2 1× IV: 1u	o0980681	UNP ZATU295	F2444						
KISAL~b1 1289B 222× IV: 30p/2u; III: 171p/39u	o0980682	PC25 ZATU295	1289B		1289B	1289B	1289B	1289B	

KISAL~b2 1289C 7× III: 7p	o0980683	PC25 ZATU295	1289C		1289C				
KISAL~b2@t 1289D CDLI: |KISAL~b2@t| 2× III: 1p/1u	o0980684	PC25	1289D						
KISAL~b3 1289E 2× III: 2p	o0980685	PC25 ZATU295	1289E		1289E				
KISIM~a 1289F 62× IV: 1p; III: 56p/5u	o0980686	PC25 ZATU296	1289F		1289F		1289F		
KISIM~b 128A0 23× III: 23p	o0980687	PC25 ZATU296	128A0 1 F2112 2 F2113 3 F2114		F2113				
KISIM~c 128A1 1× IV: 1p; III: 1p	o0980688	PC25 ZATU296	128A1			128A1			
KIŠ 128A2 174× IV: 3p; III: 96p/36u	o0980689	PC25 ZATU297	1 F2115 128A2 2 F2116		128A2		128A2	128A2	F2116
KIŠIK~a 128A3 29× III: 19p/10u	o0980690	PC25 ZATU298	128A3		128A3		128A3		
KIŠIK~b 128A4 3× III: 3p	o0980691	PC25 ZATU298	128A4						
KITI 128A5 26× III: 12p/14u	o0980692	PC25 ZATU299	1 F2117 128A5 2 F2118		F2118			F2117	
KU~a 128A6 4× III: 4p	o0980693	PC25 ZATU300	128A6		128A6				
KU~a@t	o0980694	EDI	F24DC						

KU~b1 128A7 75× IV: 1u; III: 35p/39u	o0980695	PC25 ZATU300	128A7				128A7	128A7	
KU~b2 128A8 27× III: 26p/1u	o0980696	PC25 ZATU300	128A8		128A8				
KU$_3$~a 128A9 262× IV: 40p/1u; III: 179p/49u	o0980697	PC25 ZATU301	128A9 1 F2119		128A9	128A9 (b) F2119	128A9	128A9	
KU$_3$~c 128AA 2× III: 1p/1u	o0980698	PC25 ZATU301	128AA		128AA				
KU$_6$~a 128AB 385× IV: 40p/15u; III: 273p/84u	o0980699	PC25 ZATU302	128AB		128AB	128AB	128AB	128AB	
|KU$_6$~a.1(N02)| 3× III: 3p	o0980700	PC25-sq	F224A						
|KU$_6$~a+GIŠ|	o0980701	ZERO	F2249						
|KU$_6$~a+KU$_6$~a| 128AC 10× IV: 1p/1u; III: 5p/3u	o0980702	PC25 ZATU303	128AC		128AC		128AC		
KU$_6$~a@s 1× III: 1u	o0980703	UNP ZATU446	F2445						
KU$_6$~c 128AD 1× III: 1p	o0980704	PC25 ZATU302	128AD					128AD	
KU$_6$~d 128AE 2× IV: 1u; III: 2p	o0980705	PC25 ZATU217	128AE						
KUN	o0980706	EDI	F24DD						
KUR~a 128AF 361× IV: 40p/7u; III: 231p/97u	o0980707	PC25 ZATU304	128AF		128AF	128AF	128AF	128AF	
|KUR~a.E$_2$~a| 13× III: 11p/2u	o0980708	PC25-sq ZATU130	F224B						
|KUR~a.NUNUZ~a1|	o0980709	ZERO	F224C						

KUR~b 128B0 6× IV: 3p/2u; III: 4p	o0980710	PC25 ZATU304	128B0			128B0			
|KUR~b.E$_2$~a| 1× IV: 1u; III: 1p	o0980711	UNP ZATU130	F224D						
KUR~c 128B1 1× III: 1p	o0980712	PC25 ZATU304	1 F211A 128B1		128B1				
KUR~d 1× IV: 1u	o0980713	UNP ZATU304	F2446						
KUR@g~a 128B2 CDLI: |KUR@g~a| 9× IV: 3p/2u; III: 6p	o0980714	PC25 ZATU329	128B2		128B2				
KUR@g~b 128B3 CDLI: |KUR@g~b| 1× IV: 1p; III: 1p	o0980715	PC25 ZATU329	128B3						
KUŠU$_2$~a 128B4 4× IV: 4p; III: 2p	o0980716	PC25 ZATU305	128B4			128B4			
KUŠU$_2$~b 128B5 7× IV: 3p/2u; III: 2p/1u	o0980717	PC25 ZATU305	128B5		128B5	128B5			
KUŠU$_2$~c 128B6 3× III: 2p/1u	o0980718	PC25 ZATU305	128B6		128B6				
KUŠU$_2$~d 128B7 1× III: 1p	o0980719	PC25 ZATU305	128B7		128B7				
KUŠU$_2$~e 128B8 1× IV: 1p	o0980720	PC25 ZATU305	128B8		128B8				
KUŠU$_2$~f 128B9 1× III: 1p	o0980721	PC25 ZATU305	128B9		128B9				
LA~b 128BA AKA: LA 3× IV: 1p; III: 3p	o0980722	PC25 ZATU306	128BA		128BA				
LA~c 1× III: 1u	o0980723	UNP ZATU306	F2447						
LA~d 128BB 1× IV: 1p; III: 1p	o0980724	PC25 ZATU306	128BB						
LA~e	o0980725	EDI	F24DE						

LA$_2$ 128BC 91× IV: 2p; III: 53p/36u	o0980726	PC25 ZATU307	128BC		128BC		(a) 128BC	128BC	
LAGAB~a 128BD 52× IV: 9p/1u; III: 20p/24u	o0980727	PC25 ZATU308	128BD 1 F211B		F211B	128BD		128BD	
|LAGAB~a×BA| 1× III: 1u	o0980728	UNP	F2448						
|LAGAB~a×BIR$_3$~b| 2× III: 2u	o0980729	UNP	F2449						
|LAGAB~a×DU$_6$~a| 128BE AKA: |LAGAB~a×DU$_6$~b| CDLI: |LAGAB~a×DU$_6$~b| 1× IV: 1p	o0980730	PC25 ZATU310	128BE			128BE			
|LAGAB~a×KAK~a| 1× III: 1u	o0980731	UNP	F244A						
|LAGAB~a×KU$_6$~a| 128BF 1× III: 1p	o0980732	PC25 ZATU313	128BF						
|LAGAB~a×(KU$_6$~a+KU$_6$~a)| 128C0 1× III: 1p	o0980733	PC25	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	o0980734	PC25 ZATU314	128C1						
|LAGAB~a×LA$_2$~a| 1×	o0980735	UNP	F2521						
|LAGAB~a×LAGAB~a| 1× III: 1u	o0980736	UNP	F244B						
|LAGAB~a×ME~a| 128C2 2× IV: 2p; III: 1p	o0980737	PC25 ZATU315	128C2 1 F211C		F211C				
|LAGAB~a×NI~a| 1× III: 1u	o0980738	UNP	F2520						
|LAGAB~a×NUN~b| 128C3 2× IV: 1p/1u; III: 1p	o0980739	PC25 ZATU316	128C3			128C3			
|LAGAB~a×PA~a| 128C4 5× IV: 2p; III: 3p/1u	o0980740	PC25 ZATU317	128C4			128C4			

|LAGAB~a×SI| 3× III: 3u	o0980741	UNP	F244C						
|LAGAB~a×SIG$_7$| 128C5 1× III: 1p	o0980742	PC25	128C5						
|LAGAB~a×SU~a| 128C6 1× III: 1p	o0980743	PC25	128C6						
|LAGAB~a×ŠA| 128C7 10× III: 10p	o0980744	PC25 ZATU318	128C7 1 F211D 2 F211E		F211D		F211E		
|LAGAB~a×ŠITA~a1| 128C8 20× III: 19p/1u	o0980745	PC25 ZATU319	128C8 1 F211F		F211F	128C8	128C8		
|LAGAB~a×TI| 128C9 1× III: 1p	o0980746	PC25	128C9 1 F2120		F2120				
|LAGAB~a×U$_4$| 128CA 1× III: 1p	o0980747	PC25	128CA					128CA	
|LAGAB~a×UB| 128CB 1× IV: 1p	o0980748	PC25	128CB						
|LAGAB~a×X| 3× IV: 1p; III: 2p	o0980749	PC25-bk	F2121 1 F2122		F2122				
|LAGAB~a×ZATU753| 128CC 2× IV: 1p; III: 1p	o0980750	PC25 ZATU321	128CC 1 F2123		F2123				
|LAGAB~a×2(N14)| 128CD 1× IV: 1p; III: 1p	o0980751	PC25 ZATU320	128CD			128CD			
|LAGAB~a×1(N58)| 128CE 1× III: 1p	o0980752	PC25	128CE						128CE
LAGAB~b 128CF 149× IV: 5p/2u; III: 107p/33u	o0980753	PC25 ZATU308	128CF		128CF	128CF	128CF	128CF	
|LAGAB~b.TE| 10× IV: 1p; III: 9p	o0980754	PC25-sq	128CF						

|LAGAB~b×BANŠUR~a| 1× IV: 1u	o0980755	UNP ZATU309	F244D						
|LAGAB~b×GA'AR~a1| 1× IV: 1u	o0980756	UNP ZATU311	F244E						
|LAGAB~b×HI| 128D0 1× IV: 1p; III: 1p	o0980757	PC25 ZATU312	128D0						
|LAGAB~b×(HI×1(N04))| AKA: |LAGAB~b×(HI×N04)| 1×	o0980758	UNP	F251F						
|LAGAB~b×KUR~e| 128D1 1× IV: 1p	o0980759	PC25 ZATU175	128D1						
|LAGAB~b×PA~a| 128D2 1× III: 1p	o0980760	PC25 ZATU317	128D2						
|LAGAB~b×SI|	o0980761	EDI	F2501						
|LAGAB~b×SUH$_3$| 1× III: 1u	o0980762	UNP	F244F						
|LAGAB~b×ŠITA~c|	o0980763	EDI	F2500						
|LAGAB~b×U$_4$| 128D3 2× III: 2p	o0980764	PC25	128D3						
|LAGAB~b×X| 1×	o0980765	EDI	F2502						
|LAGAB~b×1(N01)|	o0980766	EDI	F24FF						
|LAGAB~b&LAGAB~b| 128D4 AKA: |LAGAB~b+LAGAB~b| |LAGAB~b×LAGAB~b| CDLI: |LAGAB~b×LAGAB~b| 4× III: 3p/1u	o0980767	PC25	128D4		128D4				
LAGAR~a 128D5 61× IV: 16p/4u; III: 42p/9u	o0980768	PC25 ZATU323	128D5		128D5	128D5			
LAGAR~a@r 128D6 1× III: 1p	o0980769	PC25	128D6						
LAGAR~b1 128D7 5× IV: 4p; III: 5p	o0980770	PC25 ZATU323	128D7			128D7			
LAGAR~b2 128D8 3× IV: 3p	o0980771	PC25 ZATU323	128D8		128D8				
LAGAR~c 128D9 4× IV: 3p; III: 3p	o0980772	PC25 ZATU323	128D9		128D9	128D9			

LAHTAN$_2$ 9× III: 7p/2u	o0980773	PC25-sq ZATU324	F2266		F2266				
LAK025	o0980774	EDI	F24DF						
LAK050	o0980775	EDI	F24E0						
LAK172	o0980776	EDI	F24E1						
LAK251	o0980777	EDI	F24E2						
LAK350	o0980778	EDI	F24E3						
LAK777	o0980779	EDI	F24E4						
LAL$_2$~a 128DA 39× IV: 14p; III: 31p/6u	o0980780	PC25 ZATU325	128DA		128DA	128DA	128DA		
|LAL$_2$~a×EZEN~a| 1× IV: 1u	o0980781	UNP ZATU326	F2450						
|LAL$_2$~a×NAGA~a| 128DB 2× III: 2p	o0980782	PC25	128DB						128DB
|LAL$_2$~a×NIM~b2| 128DC 3× III: 2p/1u	o0980783	PC25	128DC					128DC	
LAL$_2$~b 128DD 1× IV: 1p	o0980784	PC25 ZATU325	128DD						
LAL$_3$~a 128DE 5× III: 2p/3u	o0980785	PC25 ZATU327	128DE						
LAL$_3$~b 128DF 2× III: 1p/1u	o0980786	PC25 ZATU327	128DF						
LAL$_3$~c	o0980787	EDI	F24E5						
LAM~a 128E0 5× III: 4p/1u	o0980788	PC25 ZATU328	128E0		128E0				
LAM~b 128E1 61× IV: 12p/5u; III: 35p/19u	o0980789	PC25 ZATU328	1 F2124 128E1 2 F2125		F2124	F2124	F2124		

LAM~b@r 128E2 1× IV: 1p; III: 1p	o0980790	PC25	128E2			128E2			
LAM~b@s 1× IV: 1u	o0980791	UNP ZATU329	F2451						
LAM~b@t 128E3 CDLI: |LAM~b@t| 2× IV: 2p; III: 2p	o0980792	PC25	128E3						
LAM~c	o0980793	EDI	F24E6						
LI 7× III: 7p	o0980794	PC25-sq ZATU330	F2126 1 F2127		F2126				
LIŠ 128E4 10× III: 3p/7u	o0980795	PC25 ZATU331	128E4		128E4				
LU_2 128E5 58× IV: 1p/1u; III: 31p/24u	o0980796	PC25 ZATU332	1 F2128 128E5 2 F2129		128E5	F2128	128E5	128E5	
|LU_2×GEŠTU~c3| 1× III: 1u	o0980797	UNP ZATU333	F2452						
LU_2@t	o0980798	EDI	F24E7						
LUGAL 13× IV: 1u; III: 8p/4u	o0980799	PC25-sq ZATU334	1 F212B F212A						
LUM 128E6 14× IV: 1p; III: 9p/4u	o0980800	PC25 ZATU335	128E6		128E6				
MA 128E7 195× IV: 38p/20u; III: 100p/51u	o0980801	PC25 ZATU336	128E7 1 F212C		F212C	128E7 F212C	F212C	F212C	
|MA×A| 128E8 2× IV: 2p	o0980802	PC25 ZATU337	128E8						
|MA×MA| 128E9 9× IV: 8p; III: 4p	o0980803	PC25 ZATU338	128E9			128E9			
|MA×X|	o0980804	EDI	F2504						

|MA×2(N57)|	o0980805	EDI	F2503						
|MA×1(N58)| 128EA 1× III: 1p	o0980806	PC25	128EA						
MA_2 128EB 9× IV: 5p/2u; III: 4p/1u	o0980807	PC25 ZATU339	128EB			128EB			
MAGUR~a 128EC 4× IV: 4p; III: 4p	o0980808	PC25 ZATU340	128EC			128EC			
MAGUR~b 1× IV: 1u	o0980809	UNP ZATU340	F2453						
MAH~a 128ED 13× IV: 2p; III: 9p/4u	o0980810	PC25 ZATU341	128ED		128ED	128ED			
|MAH~a×AB_2| 128EE 1× IV: 1p	o0980811	PC25	128EE						
|MAH~a×GUKKAL~a| 128EF 1× IV: 1p; III: 1p	o0980812	PC25 ZATU342	128EF			128EF			
|MAH~a×KU_6~a| 128F0 2× IV: 1u; III: 1p	o0980813	PC25 ZATU343	128F0						
|MAH~a×MAŠ| 128F1 11× IV: 4p; III: 7p/2u	o0980814	PC25 ZATU344	128F1			128F1			
|MAH~a×NA~a| 128F2 3× III: 3p	o0980815	PC25	128F2				128F2	128F2	
|MAH~a×($SILA_3$~a×UMBIN~a)| 128F3 1× IV: 1p; III: 1p	o0980816	PC25 ZATU346	128F3			128F3			
|MAH~a×TUG_2~a| 128F4 1× IV: 1p; III: 1p	o0980817	PC25 ZATU347	128F4			128F4			
|MAH~a×TUN_3~c| 128F5 1× III: 1p	o0980818	PC25	128F5						128F5
|MAH~a×UD_5~a| 128F6 2× IV: 2p; III: 2p	o0980819	PC25 ZATU348	128F6			128F6			
|MAH~a×UDU~a| 128F7 1× IV: 1p; III: 1p	o0980820	PC25 ZATU349	128F7			128F7			

|MAH~a×UR~a| 128F8 2× IV: 2p; III: 2p	o0980821	PC25 ZATU350	128F8						
|MAH~a×UTUA~a| 128F9 1× IV: 1p; III: 1p	o0980822	PC25 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	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	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 1 F212D		128FE	128FE F212D	128FE	128FE F212D	
MAR~a@g 128FF AKA: MAR@g~a 2× III: 2p	o0980831	PC25	128FF 1 F212E		128FF				F212E
MAR~a@t 12900 1× IV: 1p; III: 1p	o0980832	PC25	12900		12900				
MAR~b 12901 22× IV: 10p; III: 12p/1u	o0980833	PC25 ZATU352	12901		12901	12901		12901	
|MAR~b×GAR| 12902 1× III: 1p	o0980834	PC25	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| 2× III: 2p	o0980837	PC25-bk	F2457		F2457				
MAŠ 12905 220× IV: 50p/1u; III: 141p/65u	o0980838	PC25 ZATU355	12905		12905	12905	12905	12905	
MAŠ$_2$ 12906 AKA: MAŠNITA 164× IV: 2p; III: 84p/75u	o0980839	PC25 ZATU357	12906		12906	12906	12906	12906	
MAŠ$_2$@g 12907 1× III: 1p	o0980840	PC25	12907						
ME~a 12908 511× IV: 24p/13u; III: 381p/98u	o0980841	PC25 ZATU358	12908		12908	12908	12908	12908	
ME~b 12909 4× IV: 2p; III: 4p	o0980842	PC25 ZATU358	12909		12909	12909			
ME$_3$ 1290A 5× III: 4p/1u	o0980843	PC25 ZATU359	1290A						
MEN~a 1290B 48× IV: 2p/2u; III: 28p/16u	o0980844	PC25 ZATU360	1 F212F 1290B 2 F2130		1290B	F2130	1290B	F212F	
MEN~b 1290C 4× IV: 2p; III: 2p	o0980845	PC25 ZATU360	1290C						
MES 1290D 41× III: 35p/6u	o0980846	PC25 ZATU361	1 F2131 1290D		(a) 1290D		(a) F2131		
MIR~a 1290E 23× III: 21p/2u	o0980847	PC25 ZATU362	1290E		1290E				
MIR~b 1290F 16× III: 10p/6u	o0980848	PC25 ZATU362	1290F		1290F				
MU 12910 140× IV: 13p/1u; III: 111p/20u	o0980849	PC25 ZATU363	12910		12910	12910	12910	12910	
MUD 12911 115× IV: 2u; III: 81p/32u	o0980850	PC25 ZATU364	12911 1 F2132		12911		12911		

MUD$_3$~a 12912 35× IV: 3p; III: 25p/7u	o0980851	PC25 ZATU365	12912		12912			12912	
MUD$_3$~a@g 12913 AKA: MUD$_3$@g 6× III: 4p/2u	o0980852	PC25 ZATU366	12913 1 F2133		(o) 12913			F2133	
|MUD$_3$~a@g×GU|	o0980853	EDI	F2505						
MUD$_3$~b 12914 2× IV: 1p; III: 1p/1u	o0980854	PC25 ZATU365	12914			12914			
MUD$_3$~c 12915 4× III: 4p	o0980855	PC25 ZATU365	12915		12915		12915		
MUD$_3$~d 12916 5× III: 5p	o0980856	PC25 ZATU365	12916						
MUL 12917 3× III: 2p/1u	o0980857	PC25 ZATU367	12917		12917				
MUN~a1 12918 59× IV: 5p/2u; III: 33p/18u	o0980858	PC25 ZATU368	12918 1 F2134			12918		F2134	
MUN~a2 12919 4× III: 2p/2u	o0980859	PC25 ZATU368	12919 1 F2135		F2135				
MUN~a3 1291A 2× IV: 1p; III: 1u	o0980860	PC25 ZATU368	1291A						
MUN~a4 1291B 1× III: 1p	o0980861	PC25 ZATU368	1291B		1291B				
MUN~b 1291C 2× III: 2p	o0980862	PC25 ZATU368	1291C		1291C				
MUNŠUB~a 1291D 2× IV: 2p	o0980863	PC25 ZATU369	1291D						
MUNŠUB~b 1291E 18× III: 1p/17u	o0980864	PC25 ZATU369	1291E		1291E				
MUNU$_3$ 1291F 16× III: 15p/1u	o0980865	PC25 ZATU370	1291F		1291F				
MURUB$_2$ 5× III: 3p/2u	o0980866	PC25-sq ZATU371	F2259						

MUŠ 12920 3× III: 3p	o0980867	PC25 ZATU373	12920		12920			
MUŠ$_3$~a 12921 339× IV: 59p/7u; III: 251p/66u	o0980868	PC25 ZATU374	1 F2137 2 F2138 12921		12921	F2137 F2138 12921	12921	12921
MUŠ$_3$~a@g 12922 6× IV: 2p/4u	o0980869	PC25 ZATU375	12922 1 F2136					
MUŠ$_3$~b 12923 4× IV: 1p; III: 3p	o0980870	PC25 ZATU374	12923			12923		
MUŠEN 12924 321× IV: 24p/4u; III: 220p/80u	o0980871	PC25 ZATU376	12924 1 F2139		12924	12924	12924	12924
|MUŠEN.UR$_3$~b2| 2× IV: 1p/1u	o0980872	PC25-sq ZATU377	F213A 1 F213B			F213A		
|MUŠEN.3(N58)| 1× III: 1u	o0980873	UNP	12924					
|MUŠEN×PAP~a| 1× III: 1u	o0980874	UNP	F2506					
|MUŠEN×X|	o0980875	ZERO	F2458					F2458
|1(N02).RU| 1× III: 1p	o0980876	PC25-sq	125BE					
|1(N58).BAD| 12925 AKA: |1(N58).BAD~a| |1(N58).BAD~a| |BAD+DIŠ~a| |BAD+DIŠ~a| CDLI: |1(N58).BAD~a| 85× IV: 18p/3u; III: 60p/18u	o0980877	PC25 ZATU043	12925		(a) 12925	(a) 12925	(a) 12925	(a) 12925
|(1(N58).BAD)~b| 12926 AKA: |1(N58).BAD~b| CDLI: |1(N58).BAD~b| 6× IV: 4p/2u; III: 3p	o0980878	PC25 ZATU043	12926 1 F2223		F2223	12926 F2223		
|3(N58).UR$_3$~b1| 12927 1× III: 1p	o0980879	PC25	12927		12927			

NA~a 12928 AKA: NA 169× IV: 4p/2u; III: 95p/70u	o0980880	PC25 ZATU378	12928		12928		12928	12928	
NA~b 12929 8× IV: 5p; III: 2p/2u	o0980881	PC25 ZATU378	12929		12929	12929			
NA~c 1292A 4× IV: 4p; III: 1p	o0980882	PC25 ZATU378	1292A		1292A	1292A			
NA~d 1× III: 1u	o0980883	UNP ZATU378	F2459						
NA$_2$~a 1292B 84× IV: 4p/4u; III: 53p/25u	o0980884	PC25 ZATU379	1 F213C 1292B		1292B	F213C	1292B	1292B	
NA$_2$~b1 1292C 6× IV: 1p; III: 6p	o0980885	PC25 ZATU379	1292C			1292C			
NA$_2$~b2 1292D 7× III: 6p/1u	o0980886	PC25 ZATU379	1292D						
NA$_2$~c 1292E 1× III: 1p	o0980887	PC25 ZATU379	1292E						1292E
NAB 1292F 20× III: 15p/4u	o0980888	PC25 ZATU380	1292F 1 F213D 2 F213E					1292F	
NAGA~a 12930 AKA: NAGA 163× IV: 16p/6u; III: 107p/37u	o0980889	PC25 ZATU381	12930		12930	12930	12930	12930	
|NAGA~a×TAK$_4$~a| 12931 1× III: 1p	o0980890	PC25	12931						
NAGA~b 12932 7× IV: 6p/1u; III: 2p	o0980891	PC25 ZATU381	12932		12932	12932			

NAGAR~a 12933 100× IV: 40p; III: 52p/10u	o0980892	PC25 ZATU382	1 F213F 2 F2140 3 F2141 12933		(b) 12933	12933	12933	12933
NAGAR~b 12934 95× IV: 1p/1u; III: 90p/5u	o0980893	PC25 ZATU382	12934 1 F2142		(a) 12934	12934	12934	
NAM~a 12935 11× IV: 5p; III: 4p/3u	o0980894	PC25 ZATU383	12935			12935		
NAM~b 12936 3× IV: 3p; III: 3p	o0980895	PC25 ZATU383	12936			12936		
NAM~c 12937 4× IV: 1u; III: 3p	o0980896	PC25 ZATU383	12937					
NAM~d 12938 5× IV: 1u; III: 2p/2u	o0980897	PC25 ZATU383	12938		12938		12938	
NAM$_2$ 12939 829× IV: 66p/12u; III: 580p/219u	o0980898	PC25 ZATU384	12939 1 F2143		12939	12939	12939	12939
|NAM$_2$×1(N01)| 1293A 1× III: 1p	o0980899	PC25 ZATU385	1293A					
NAM$_2$@g 1293B 1× III: 1p	o0980900	PC25 ZATU386	1293B		1293B			
NAM$_2$@t 1293C 9× IV: 1p; III: 1p/8u	o0980901	PC25	1293C			1293C		
NAMEŠDA 87× IV: 2p/1u; III: 69p/18u	o0980902	PC25-sq ZATU387	1 F2145 F2144		F2145	F2145	F2145	F2145
NANNA~a 11× III: 6p/5u	o0980903	PC25-sq ZATU388	F2146 1 F2147 2 F2148				(o) F2148	

NANNA~b 2× III: 2p	o0980904	PC25-sq ZATU388	F2265						
NANŠE~a 1293D 6× IV: 2p; III: 4p/1u	o0980905	PC25 ZATU389	1293D						
NANŠE~b 1293E 7× III: 7p	o0980906	PC25 ZATU389	1293E		1293E				
NAR 1293F 127× IV: 5p; III: 64p/56u	o0980907	PC25 ZATU390	1293F 1 F2149		F2149	1293F	F2149	1293F	
NE~a 12940 345× IV: 50p/17u; III: 192p/89u	o0980908	PC25 ZATU391	12940 1 F214A 2 F214B 3 F214C		F214A	12940 F214A	F214C	F214A F214B	
NE~b 12941 1× IV: 1p	o0980909	PC25 ZATU391	12941						
NE~c 12942 3× IV: 1p; III: 3p	o0980910	PC25 ZATU391	12942 1 F214D						
NE~d 12943 2× IV: 2p	o0980911	PC25 ZATU391	12943		12943				
NERGAL~v CDLI: NERGAL~x 1× III: 1p	o0980912	PC25-sq ZATU392	F2240		F2240				
NESAG$_2$~a 12944 73× IV: 37p/2u; III: 58p/8u	o0980913	PC25 ZATU416 ZATU570	12944 1 F214E		F214E	F214E			
NESAG$_2$~a2 AKA: NISAG~a3 1× III: 1u	o0980914	UNP ZATU416	F2530						
NESAG$_2$~b 12945 24× IV: 9p/3u; III: 14p/1u	o0980915	PC25 ZATU416	1 F214F 12945		12945		F214F		
NESAG$_2$~b@t 1× III: 1u	o0980916	UNP	F245A						
NI~a 12946 356× IV: 13p/6u; III: 200p/145u	o0980917	PC25 ZATU393	12946		12946	12946	12946	12946	

|NI~a.RU| 78× III: 78p	o0980918	PC25-sq	F2256				F2256		
|NI~a×1(N57)|	o0980919	ZERO	F245B						
NI~a@g 12947 1× IV: 1p	o0980920	PC25 ZATU394	12947			12947			
NI~b 12948 91× IV: 8p; III: 79p/10u	o0980921	PC25 ZATU393	12948		12948	12948		12948	
|NI~b×X| 1× IV: 1p; III: 1p	o0980922	PC25-bk	F245C		F245C				
|NI~b×4(N57)| 12949 1× III: 1p	o0980923	PC25	12949 1 F2150		F2150				
|NI~b×8(N57)| 1294A CDLI: |8(N57).NI~b| 1× III: 1p	o0980924	PC25	1294A		1294A				
NI$_2$ 1294B 32× III: 27p/5u	o0980925	PC25 ZATU396	1294B		1294B				
NIGIN 1294C 9× III: 7p/2u	o0980926	PC25 ZATU397	1294C		1294C			1294C	
NIM~a 1294D 88× IV: 22p/6u; III: 64p/15u	o0980927	PC25 ZATU398	1294D		1294D	1294D		1294D	
NIM~b1 1294E 68× IV: 2p; III: 42p/25u	o0980928	PC25 ZATU398	1294E		1294E		1294E	1294E	
NIM~b2 1294F 22× IV: 3p; III: 12p/9u	o0980929	PC25 ZATU398	1294F		1294F	1294F	1294F	1294F	
NIM~b3 12950 1× III: 1p	o0980930	PC25 ZATU398	12950				12950		
NIM~d 1×	o0980931	UNP ZATU398	F2531						
NIMGIR 12951 84× IV: 23p/1u; III: 59p/15u	o0980932	PC25 ZATU399	1 F2151 12951		12951	F2151 12951	12951	12951	
NIN 107× IV: 1p/1u; III: 68p/37u	o0980933	PC25-sq ZATU400	F225B		F225B		F225B	F225B	

NINDA$_2$ 12952 23× IV: 9p/3u; III: 15p/2u	o0980934	PC25 ZATU401	1 F2152 12952		12952	F2152 12952			
|NINDA$_2$×AN| 12953 2× III: 1p/1u	o0980935	PC25	12953						
|NINDA$_2$×(AN.HI)| 12954 2× III: 2p	o0980936	PC25	12954						
|NINDA$_2$×(AN.ME~a)| 12955 1× III: 1p	o0980937	PC25 ZATU406	12955 3 F2153						
|NINDA$_2$×(AN.X)| 1× III: 1p	o0980938	PC25-bk	F245D		F245D				
|NINDA$_2$×BA| 1× III: 1u	o0980939	UNP ZATU402	F245E						
|NINDA$_2$×EZEN~b| 12956 2× III: 2p	o0980940	PC25 ZATU403	12956						
|NINDA$_2$×GA'AR~a1| 12957 1× III: 1p	o0980941	PC25	12957						
|NINDA$_2$×GAR| 12958 3× IV: 1p/1u; III: 1p	o0980942	PC25 ZATU404	12958						
|NINDA$_2$×GIŠ| 12959 3× IV: 1p; III: 3p	o0980943	PC25 ZATU405	12959		12959				
|NINDA$_2$×(GIŠ.DAR~a)|	o0980944	EDI	F2508						
|NINDA$_2$×GU$_4$| 1295A 1× III: 1p	o0980945	PC25	1295A						
|NINDA$_2$×GUDU$_4$|	o0982243	DEL ZATU406	1 F2156 2 F2155 1 F2154 3 F2153						
|NINDA$_2$×HI| 1295B 5× III: 3p/2u	o0980946	PC25 ZATU407	1295B						

|NINDA$_2$×(HI.AN.ME~a)| 1295C 5× III: 3p/2u	o0980947	PC25 ZATU406	1295C 1 F2154 2 F2155						
|NINDA$_2$×(HI.ME~a)| 1295D AKA: |NINDA$_2$×(HI+ME~a)| 4× III: 1p/3u	o0980948	PC25 ZATU406	1295D 1 F2156						
|NINDA$_2$×(HI.X)| 1× III: 1p	o0980949	PC25-bk	F245F						
|NINDA$_2$×KAŠ~b| 1295E 3× III: 2p/1u	o0980950	PC25	1295E					1295E	
|NINDA$_2$×MAR~a| 1295F 1×	o0980951	PC25 ZATU408	1295F						1295F
|NINDA$_2$×MAR~b| 12960 1× III: 1p	o0980952	PC25 ZATU408	12960						
|NINDA$_2$×NE~a|	o0980953	EDI	F2509						
|NINDA$_2$×NUN~a| 12961 3× III: 3p	o0980954	PC25	12961						12961
|NINDA$_2$×ŠIM~a|	o0980955	EDI	F250A						
|NINDA$_2$×U$_4$| 12962 3× III: 1p/2u	o0980956	PC25 ZATU409	12962						
|NINDA$_2$×(U$_4$.X)| 1× III: 1u	o0980957	UNP	F2460						
|NINDA$_2$×(UDU~a×TAR~a)| AKA: |NINDA$_2$×((UDU~a×TAR)~a)| CDLI: |NINDA$_2$×((UDU~a×TAR)~a)| 1× III: 1u	o0980958	UNP ZATU410	F2461						
|NINDA$_2$×(UDU~a×TAR~b)| AKA: |NINDA$_2$×((UDU~a+TAR)~b)| 1× III: 1u	o0980959	UNP ZATU410	F2462						
|NINDA$_2$×X| 12× IV: 2p/1u; III: 4p/5u	o0980960	PC25-bk	F2463				F2463		
|NINDA$_2$×(X.MAŠ)|	o0980961	EDI	F250B						
|NINDA$_2$×(ZATU659×1(N01))| 12963 2× III: 2p	o0980962	PC25	12963				12963		

|NINDA$_2$×ZATU710| 12964 3× III: 3p	o0980963	PC25	12964						12964
|NINDA$_2$×1(N01)| 12965 7× IV: 3p/1u; III: 3p/1u	o0980964	PC25 ZATU411	12965		12965		12965		
|NINDA$_2$×2(N01)| 12966 1× III: 1p	o0980965	PC25 ZATU411	12966		12966				
|NINDA$_2$×1(N06)|	o0980966	EDI	F2507						
|NINDA$_2$×(1(N06).HI@g~a)| 12967 AKA: |NINDA$_2$×(HI@g~a.1(N06))| CDLI: |NINDA$_2$×(HI@g~a.1(N06))| 2× III: 1p/1u	o0980967	PC25 ZATU021	12967						
|NINDA$_2$×1(N08)| 12968 1× IV: 1p; III: 1p	o0980968	PC25 ZATU411	12968			12968			
NINKUM 10× III: 10p	o0980969	PC25-sq ZATU412	F225C		F225C				
NINLIL 4× III: 4p	o0980970	PC25-sq ZATU413	F2233		F2233				
NIR~a 12969 32× IV: 1u; III: 23p/7u	o0980971	PC25 ZATU414	12969		12969		12969	12969	
|NIR~a×AN| 1296A 14× III: 5p/9u	o0980972	PC25 ZATU415	1296A				1296A		
NIR~b 1296B 15× IV: 11p; III: 11p	o0980973	PC25 ZATU414	1296B		1296B	1296B			
NU 1296C 63× IV: 4p/4u; III: 39p/18u	o0980974	PC25 ZATU417	1296C		1296C	1296C		1296C	
NU@g 1296D 21× IV: 5p/7u; III: 12p	o0980975	PC25 ZATU418	1296D 1 F2157		1296D	1296D	1296D	F2157	
NU$_{11}$ 1296E 45× IV: 2p; III: 37p/6u	o0980976	PC25 ZATU419	1296E		1296E	1296E		1296E	
|NU$_{11}$&NU$_{11}$| 1296F 1× III: 1p	o0980977	PC25	1296F		1296F				

NU_{11}@t 12970 CDLI: |NU_{11}@t| 4× III: 2p/2u	o0980978	PC25	12970						
NUMUN 12971 15× IV: 1p; III: 12p/2u	o0980979	PC25	12971			12971	12971	12971	
$NUMUN_2$ 2× III: 2u	o0980980	UNP ZATU420	F2464						
NUN~a 12972 726× IV: 103p/13u; III: 522p/155u	o0980981	PC25 ZATU421	12972		12972	12972	12972	12972	
|NUN~a+A| 12973 3× IV: 2p; III: 3p	o0980982	PC25 ZATU422	12973			12973			
|NUN~a+EN~a| 12974 AKA: |EN~a×NUN~a| 39× IV: 12p/5u; III: 21p/5u	o0980983	PC25 ZATU135	12974		12974	12974	12974		
|NUN~a+EN~b| 12975 5× IV: 2p/3u; III: 1p	o0980984	PC25 ZATU135	12975			(b) 12975			
|NUN~a+EN~d| 12976 1× IV: 1p	o0980985	PC25 ZATU135	12976						
|NUN~a+NAM_2| 12977 13× III: 13p	o0980986	PC25	12977				12977		
NUN~b 12978 117× IV: 36p/3u; III: 49p/61u	o0980987	PC25 ZATU421	12978		12978	12978			
|NUN~b.U_4| 1× III: 1p	o0980988	PC25-sq	12978						
|NUN~b+EN~a| 12979 AKA: |EN~a+NUN~b| 9× III: 8p	o0980989	PC25 ZATU135	12979						
NUN~c 1297A 18× IV: 15p/2u; III: 8p	o0980990	PC25 ZATU421	1 F2158 1297A 2 F2159 3 F215A			F2158 1297A F2159 F215A		1297A F2159	

NUN~d 1297B 4× IV: 3p; III: 1p	o0980991	PC25 ZATU421	1297B					
NUNUZ~a0 1297C AKA: NUNUZ~a1@n 13× III: 3p/10u	o0980992	PC25 ZATU423	1297C					
NUNUZ~a1 1297D 184× IV: 3p/2u; III: 113p/67u	o0980993	PC25 ZATU423	1297D		1297D	1297D	1297D	1297D
NUNUZ~a1@t CDLI: |NUNUZ~a1@t| 2× III: 2u	o0980994	UNP	F2465					
NUNUZ~a2 1297E 14× IV: 6p; III: 5p/5u	o0980995	PC25 ZATU423	1297E			1297E	1297E	
NUNUZ~b1 1297F 5× IV: 2p; III: 5p	o0980996	PC25 ZATU423	1297F		1297F	1297F		
NUNUZ~b2 1× III: 1u	o0980997	UNP ZATU423	F2466					
NUNUZ~c 12980 27× IV: 1p; III: 15p/11u	o0980998	PC25 ZATU423	12980 1 F215B 2 F215C 3 F215D		(c1) 12980	F215C	12980	
PA~a 12981 514× IV: 43p/8u; III: 370p/116u	o0980999	PC25 ZATU425	1 F215E 12981 2 F215F 3 F2160		F215F	F215E 12981 F215F	F215F	F215E 12981
PA~b 12982 2× IV: 2p; III: 1p	o0981000	PC25 ZATU425	12982			12982		
PA$_3$	o0981001	EDI	F24E8					
PAD~a 12983 30× IV: 3p; III: 19p/9u	o0981002	PC25 ZATU426	12983		12983	12983		12983
PAD~b 12984 1× III: 1p	o0981003	PC25 ZATU426	12984		12984			

PAP~a 12985 855× IV: 55p/11u; III: 553p/246u	o0981004	PC25 ZATU427	12985		12985	12985	12985	12985	
PAP~a@t 12986 AKA: PAP@t 21× III: 21p	o0981005	PC25	12986 1 F2161					F2161	(o) F2161
PAP~b 12987 4× IV: 2p/1u; III: 2p	o0981006	PC25 ZATU427	12987 1 F2162		12987			12987	
PIRIG~a1 12988 19× IV: 17p/1u; III: 13p	o0981007	PC25 ZATU428	12988		12988	12988			
PIRIG~a2 12989 1× IV: 1p; III: 1p	o0981008	PC25 ZATU428	12989			12989			
PIRIG~a3 1298A 2× IV: 1p; III: 1p	o0981009	PC25 ZATU428	1298A			1298A			
PIRIG~b1 1298B 174× IV: 7p/3u; III: 112p/54u	o0981010	PC25 ZATU428	1298B		1298B	1298B	1298B	1298B	
|PIRIG~b1+DIN| 1298C 2× III: 2p	o0981011	PC25	1298C						1298C
|PIRIG~b1×UR$_2$| 2× III: 2u	o0981012	UNP	F2467						
|PIRIG~b1×1(N58@t)|	o0981013	ZERO	F2528						F2528
PIRIG~b2 1298D 2× IV: 1p; III: 1p	o0981014	PC25 ZATU428	1298D						
PU$_2$ 1298E 40× IV: 1p; III: 35p/4u	o0981015	PC25 ZATU430	1298E 1 F2163		F2163		F2163		
RA 1298F 4× IV: 1p; III: 3p	o0981016	PC25 ZATU431	1298F					1298F	
RAD~a 12990 238× IV: 5p/2u; III: 116p/111u	o0981017	PC25 ZATU432	12990		12990	12990	12990	12990	

RAD~a@g 12991 15× IV: 5p/1u; III: 7p/6u	o0981018	PC25 ZATU433	12991		(o) 12991	(o) 12991			
RAD~a@t CDLI: |RAD~a@t| 2× III: 2u	o0981019	UNP	F2468						
RAD~b 12992 16× IV: 14p; III: 15p	o0981020	PC25 ZATU432	12992		12992	12992			
RI	o0981021	EDI	F24E9						
RI~x	o0982244	DEL	F24EA						
RI$_8$~a 12993 8× IV: 1p; III: 4p/3u	o0981022	PC25 ZATU434	12993		12993				
RI$_8$~b 12994 1× III: 1p	o0981023	PC25 ZATU434	12994 1 F2164		12994				(a) F2164
RU 12995 AKA: RU~a 345× IV: 17p/6u; III: 248p/82u	o0981024	PC25 ZATU435	1 F2165 12995		F2165 12995	F2165 12995	12995	F2165 12995	
RU@t CDLI: |RU@t|	o0981025	ZERO	F2469						
SA~a 12996 25× IV: 1p; III: 16p/8u	o0981026	PC25 ZATU436	12996		12996	12996	12996		
SA~c 12997 53× III: 40p/12u	o0981027	PC25 ZATU436	12997 1 F2166						
SAG 12998 417× IV: 34p/8u; III: 277p/109u	o0981028	PC25 ZATU437	1 F2168 12998 2 F2169		12998	F2168 12998 F2169	12998	12998	
|SAG+UKKIN~b×1(N57)| 12999 AKA: |SAG×(UKKIN~b×1(N57))| 1× III: 1p	o0981029	PC25	12999						12999

|SAG×GEŠTU~a| 1299A AKA: |SAG+GEŠTU~a| 10× IV: 8p; III: 1p/1u	o0981030	PC25 ZATU438	1299A			1299A			
|SAG×GEŠTU~b| 1299B 3× III: 3p	o0981031	PC25 ZATU438	1299B 1 F2167						
|SAG×GEŠTU~c| 1× III: 1u	o0981032	UNP ZATU438	F246A						
|SAG×LAM~c|	o0981033	EDI	F250C						
|SAG×MA| 1299C 19× III: 18p	o0981034	PC25 ZATU439	1299C				1299C		
|SAG×NAM$_2$| 1299D AKA: |SAG+NAM$_2$| 1× III: 1p	o0981035	PC25	1299D						
|SAG×SAR~a|	o0981036	EDI	F250D						
|SAG×1(N14)| 1× III: 1u	o0981037	UNP ZATU440	F246B						
SAG@g 1299E 9× III: 4p/5u	o0981038	PC25	1299E					1299E	
SAG@n 1299F 18× IV: 1p; III: 17p/1u	o0981039	PC25 ZATU441	1299F		1299F	1299F		1299F	
SAGŠU 129A0 31× III: 17p/14u	o0981040	PC25 ZATU442	129A0		129A0			129A0	
SAL 129A1 985× IV: 57p/19u; III: 627p/310u	o0981041	PC25 ZATU443	129A1		129A1	129A1	129A1	129A1	
|SAL.KUR~a| 50× IV: 3p/1u; III: 35p/12u	o0981042	PC25-sq ZATU201	F2258			F2258	F2258	F2258	
|SAL.LAM~b| 2× III: 2u	o0981043	UNP	F225A						
|SAL.ME~a| AKA: LUKUR 1× III: 1p	o0981044	PC25-sq	129A1						
|SAL.ŠU$_2$| 2× III: 2p	o0981045	PC25-sq	F225F					F225F	
|SAL.ZATU751~a| CDLI: *SAL.ZATU751~a 1× III: 1p	o0981046	PC25-sq	F2260				F2260		

|SAL.ZATU751~b| CDLI: *SAL+ZATU751~b	o0981047	ZERO	F2261				F2261		
|SAL.ZATU751~c| CDLI: *SAL+ZATU751~c 1× III: 1p	o0981048	PC25-sq	F2262						F2262
|SAL×1(N58)| 129A2 2× III: 1p/1u	o0981049	PC25	129A2						
SANGA~a 129A3 716× IV: 75p/28u; III: 488p/155u	o0981050	PC25 ZATU444	1 F216A 2 F216B 129A3		F216A (b) 129A3	F216A F216B 129A3	129A3	129A3	
SANGA~b 129A4 16× IV: 15p; III: 6p	o0981051	PC25 ZATU444	1 F216C 129A4			F216C 129A4			
SANGA~c 129A5 2× IV: 1p/1u	o0981052	PC25 ZATU444	129A5						
SANGA~e 129A6 1× III: 1p	o0981053	PC25 ZATU444	129A6 1 F222A						129A6 F222A
SAR~a 129A7 78× IV: 2p/2u; III: 49p/26u	o0981054	PC25 ZATU445	129A7		129A7	129A7	129A7	129A7	
|SAR~a×ŠE~a| 129A8 27× IV: 4p/1u; III: 20p/4u	o0981055	PC25 ZATU514	129A8		129A8		129A8	129A8	
SAR~b 129A9 5× III: 5p	o0981056	PC25 ZATU445	129A9		129A9				
SAR~c 129AA 4× III: 2p/2u	o0981057	PC25 ZATU445	129AA		129AA				
SAR~d 129AB 1× III: 1p	o0981058	PC25 ZATU445	129AB						129AB
SI 129AC 389× IV: 24p/9u; III: 227p/129u	o0981059	PC25 ZATU447	1 F216D 129AC		F216D	F216D	F216D	F216D	
|SI+AN| 129AD 1× III: 1p	o0981060	PC25	129AD						129AD

|SI×EN~a| 129AE 1× III: 1p	o0981061	PC25	129AE						129AE
|SI×GU$_4$| 129AF 1× III: 1p	o0981062	PC25 ZATU448	129AF						
|SI×KU~b1| 129B0 17× III: 17p	o0981063	PC25	129B0						129B0
|SI×SAL| 129B1 1× III: 1p	o0981064	PC25	129B1						129B1
|SI×ŠE$_3$| 129B2 4× III: 3p/1u	o0981065	PC25 ZATU449	129B2		129B2				
|SI×TUN$_3$~a| 129B3 1× III: 1p	o0981066	PC25	129B3						129B3
|SI×1(N58)| 129B4 1× III: 1p	o0981067	PC25	129B4						129B4
SI$_4$~a 129B5 75× IV: 20p/5u; III: 45p/11u	o0981068	PC25 ZATU450	129B5		129B5	129B5			
SI$_4$~b 129B6 1× IV: 1p; III: 1p	o0981069	PC25 ZATU450	129B6			129B6			
SI$_4$~c 129B7 1× IV: 1p; III: 1p	o0981070	PC25 ZATU450	129B7			129B7			
SI$_4$~d 129B8 4× IV: 1p; III: 4p	o0981071	PC25 ZATU450	129B8 1 F216E			129B8	F216E		
SI$_4$~f 129B9 73× III: 57p/16u	o0981072	PC25 ZATU450	129B9 1 F216F				F216F	129B9	
SIG 129BA 92× IV: 7p; III: 56p/31u	o0981073	PC25 ZATU451	129BA		129BA	129BA	129BA		
SIG~b 2×	o0981074	UNP ZATU451	F2532						
SIG@g 1× III: 1u	o0981075	UNP	F246C						

SIG_2~a1 129BB AKA: SIG_2~a 26× IV: 1u; III: 14p/10u		o0981076	PC25 ZATU452	 129BB		 129BB			
SIG_2~a2 129BC 23× IV: 3p/3u; III: 17p/2u		o0981077	PC25 ZATU452	 129BC 1 F2170		 F2170	 129BC	 F2170	
SIG_2~a3 129BD 21× IV: 6p/1u; III: 16p/3u		o0981078	PC25 ZATU452	 129BD 1 F2171 2 F2172	 	 129BD	 129BD F2171		
SIG_2~a4 129BE 2× IV: 1p; III: 1p		o0981079	PC25 ZATU452	 129BE					
SIG_2~b 129BF 158× IV: 17p/16u; III: 80p/51u		o0981080	PC25 ZATU452	 129BF		 129BF	 129BF	 129BF	 129BF
|SIG_2~b×1(N14)| 3× IV: 3u		o0981081	UNP ZATU453	 F246D					
|SIG_2~b&SIG_2~b| 129C0 AKA: |SIG_2~b.SIG_2~b| CDLI: |SIG_2~b.SIG_2~b| 2× III: 2p		o0981082	PC25	 129C0					
SIG_2~c1 129C1 2× IV: 1p; III: 1p		o0981083	PC25 ZATU452	 129C1		 129C1	 129C1		
SIG_2~c2 129C2 1× III: 1p		o0981084	PC25 ZATU452	 129C2		 129C2			
SIG_2~d1 129C3 10× III: 10p		o0981085	PC25 ZATU452	 129C3		 129C3			
SIG_2~d2 129C4 4× IV: 2p; III: 1p		o0981086	PC25 ZATU452	 129C4 1 F2173	 				
SIG_2~d3 129C5 2× IV: 2p		o0981087	PC25 ZATU452	 129C5			 129C5		
SIG_2~d4 129C6 4× IV: 4p; III: 2p		o0981088	PC25 ZATU452	 129C6			 129C6		
SIG_2~e 129C7 10× IV: 4p/2u; III: 3p/2u		o0981089	PC25 ZATU452	 129C7			 129C7		

SIG$_4$ 129C8 1× IV: 1p	o0981090	PC25 ZATU454	129C8		129C8				
SIG$_7$ 129C9 102× IV: 14p/1u; III: 68p/23u	o0981091	PC25 ZATU455	129C9 1 F2174		129C9	129C9 F2174	F2174	F2174	
SIKIL	o0981092	EDI	F225D						
SILA$_3$~a 129CA 52× IV: 5p/3u; III: 21p/24u	o0981093	PC25 ZATU456	129CA		129CA	129CA			
|SILA$_3$~a×A| 129CB 1× III: 1p	o0981094	PC25 ZATU457	129CB		129CB				
|SILA$_3$~a×AMAR| 129CC 1× IV: 1p	o0981095	PC25	129CC						
|SILA$_3$~a×DUG~a| 129CD 8× III: 4p/4u	o0981096	PC25 ZATU458	1 F2175 129CD						
|SILA$_3$~a×DUG~b|	o0981097	EDI	F250E						
|SILA$_3$~a×GA~a| 129CE 8× III: 5p/3u	o0981098	PC25 ZATU459	129CE						
|SILA$_3$~a×GARA$_2$~a| 129CF AKA: |SILA$_3$~a+GARA$_2$~a| 18× III: 14p/4u	o0981099	PC25 ZATU461	129CF		129CF				
|SILA$_3$~a×GEŠTU~a| 129D0 1× III: 1p	o0981100	PC25 ZATU462	129D0		129D0				
|SILA$_3$~a×GEŠTU~c3| 129D1 7× IV: 5p/2u; III: 1p	o0981101	PC25 ZATU462	129D1						
|SILA$_3$~a×GEŠTU~c5| 1× III: 1u	o0981102	UNP ZATU462 ZATU469	F246E						
|SILA$_3$~a×HAŠHUR| 129D2 5× IV: 1p; III: 3p/1u	o0981103	PC25 ZATU463	129D2				129D2		
|SILA$_3$~a×HI| 129D3 7× IV: 1p; III: 6p/1u	o0981104	PC25 ZATU464	129D3		129D3				
|SILA$_3$~a×HI@g~a| 2× IV: 2u	o0981105	UNP ZATU465	F246F						

|SILA$_3$~a×IB~a| 129D4 1× IV: 1p; III: 1p	o0981106	PC25 ZATU466	129D4						
|SILA$_3$~a×KAŠ~a| 129D5 AKA: |SILA$_3$~a+KAŠ~a| 5× IV: 1u; III: 4p	o0981107	PC25 ZATU467	129D5						
|SILA$_3$~a×KAŠ~c| 129D6 2× III: 2p	o0981108	PC25 ZATU467	129D6						
|SILA$_3$~a×KAŠ~d| 129D7 2× III: 1p/1u	o0981109	PC25 ZATU467	129D7						
|SILA$_3$~a×KU$_6$~a| 129D8 9× III: 6p/3u	o0981110	PC25	129D8				129D8		
|SILA$_3$~a×KUR~a| 129D9 4× IV: 1p/2u; III: 1p/1u	o0981111	PC25 ZATU468	129D9						
|SILA$_3$~a×MA| 129DA 4× III: 3p/1u	o0981112	PC25 ZATU473	129DA				129DA		
|SILA$_3$~a×MAŠ| 129DB 3× IV: 3p; III: 3p	o0981113	PC25 ZATU470	129DB						
|SILA$_3$~a×MUD$_3$~b| 129DC AKA: |SILA$_3$~a+MUD$_3$~b| 1× III: 1p	o0981114	PC25	129DC						129DC
|SILA$_3$~a×NAGA~a| 129DD 2× III: 2p	o0981115	PC25 ZATU471	129DD		129DD				
|SILA$_3$~a×NI~a| 129DE 10× IV: 2u; III: 7p/1u	o0981116	PC25 ZATU460 ZATU472	129DE					129DE	
|SILA$_3$~a×NUN~b| 129DF 2× IV: 1p; III: 1p	o0981117	PC25 ZATU614	129DF		129DF				
|SILA$_3$~a×SUHUR| 129E0 2× IV: 2p; III: 2p	o0981118	PC25	129E0			129E0			
|SILA$_3$~a×SUM~a| 129E1 3× IV: 3p; III: 1p	o0981119	PC25 ZATU474	129E1						
|SILA$_3$~a×SUM~b| 129E2 1× III: 1p	o0981120	PC25 ZATU474	129E2				129E2		

|SILA$_3$~a×ŠE~a| 129E3 1× IV: 1p	o0981121	PC25 ZATU475	129E3					
|SILA$_3$~a×ŠE~a@t| 129E4 18× IV: 5p; III: 8p/7u	o0981122	PC25	129E4			129E4		
|SILA$_3$~a×ŠU| 129E5 17× IV: 2p/1u; III: 4p/10u	o0981123	PC25 ZATU476	129E5		129E5			
|SILA$_3$~a×ŠU$_2$| 129E6 11× III: 8p/3u	o0981124	PC25 ZATU477	129E6				129E6	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			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| 1× IV: 1u	o0981138	UNP ZATU476	F2473						
|SILA$_3$~c×ZATU687| 129F0 1× III: 1p	o0981139	PC25 ZATU480	129F0		129F0				
|SILA$_3$~d×NI~a| 2× III: 2u	o0981140	UNP ZATU460	F2474						
SILA$_4$~a 129F1 17× III: 10p/7u	o0981141	PC25 ZATU482	129F1		129F1				
SILA$_4$~b 129F2 31× IV: 6p/1u; III: 20p/8u	o0981142	PC25 ZATU482	129F2		129F2	129F2			
SILA$_4$~c 129F3 83× IV: 8p/1u; III: 45p/35u	o0981143	PC25 ZATU482	129F3 1 F2176			129F3			
SILA$_4$~d 129F4 1× III: 1p	o0981144	PC25 ZATU482	129F4		129F4				
SILANITA 129F5 AKA: SILANITA~a 26× III: 20p/6u	o0981145	PC25 ZATU483	129F5						
SIMUG 129F6 13× IV: 1p; III: 10p/3u	o0981146	PC25 ZATU484	129F6 1 F2177		F2177	129F6	F2177		
SIPA 6× III: 6p	o0981147	PC25-sq	F2178 1 F2179		F2179				
SU~a 129F7 278× IV: 20p/5u; III: 168p/97u	o0981148	PC25 ZATU485	1 F217A 129F7		F217A	F217A 129F7	F217A	F217A	
|SU~a×1(N58)| 129F8 2× III: 2p	o0981149	PC25 ZATU486	129F8		129F8				
SU~b 129F9 3× IV: 3p; III: 3p	o0981150	PC25 ZATU485	129F9			129F9			
SU~c 129FA 1× III: 1p	o0981151	PC25 ZATU485	129FA						129FA
SU$_3$ 129FB 6× III: 5p/1u	o0981152	PC25 ZATU487	129FB		129FB				

SUG 129FC 11× IV: 3p; III: 6p/3u	o0981153	PC25 ZATU488	129FC		129FC				
SUG$_5$ 129FD AKA: SUG$_5$~a 89× IV: 2p/1u; III: 63p/22u	o0981154	PC25 ZATU489	129FD		129FD	129FD	129FD	129FD	
SUH$_3$ 129FE 4× III: 3p/1u	o0981155	PC25 ZATU490	129FE		129FE				
SUHUR 129FF AKA: SUHUR~a 310× IV: 37p/11u; III: 234p/52u	o0981156	PC25 ZATU491	129FF 1 F217B 2 F217C 3 F217D		129FF	129FF	129FF	129FF	F217D
SUHUR@g 12A00 4× III: 3p/1u	o0981157	PC25	12A00		12A00				
SUHUR@n 12A01 CDLI: |SUHUR@n| 5× III: 1p/4u	o0981158	PC25	12A01						
SUHUR@t 12A02 6× III: 6p	o0981159	PC25	12A02						12A02
SUKKAL 12A03 155× IV: 19p/7u; III: 106p/34u	o0981160	PC25 ZATU492	12A03 1 F217E		F217E	12A03	12A03	12A03	
SUKUD 12A04 14× IV: 6p; III: 9p/2u	o0981161	PC25 ZATU493	12A04		12A04 (a)	12A04		12A04	
|(SUKUD+SUKUD)~a| 12A05 5× IV: 1u; III: 4p	o0981162	PC25 ZATU494	12A05		12A05				
|(SUKUD+SUKUD)~b| 12A06 13× IV: 1p; III: 11p/1u	o0981163	PC25 ZATU494	12A06		12A06		12A06	12A06	
|(SUKUD+SUKUD)~c|	o0981164	EDI	F2510		F2510 (o)				
|(SUKUD+SUKUD)~d| 3× III: 3u	o0981165	UNP ZATU494	F2475						
SUKUD@g~a 12A07 1× IV: 1p	o0981166	PC25 ZATU495	12A07 1 F217F			F217F			

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

ŠA@g 12A12 20× IV: 1p; III: 14p/5u	o0981180	PC25 ZATU502	12A12		12A12		12A12		
ŠA$_3$~a1 12A13 112× IV: 5p; III: 58p/49u	o0981181	PC25 ZATU503	12A13 1 F2186		F2186	12A13	F2186	12A13	
ŠA$_3$~a2 12A14 AKA: ŠA$_3$~b1 32× IV: 1p/1u; III: 21p/5u	o0981182	PC25 ZATU503	12A14 1 F2187		F2187		F2187	12A14	
ŠA$_3$~a2@g 12A15 1× III: 1p	o0981183	PC25	12A15						12A15
ŠA$_3$~b 12A16 3× IV: 2p; III: 2p	o0981184	PC25 ZATU503	12A16			(b1) 12A16			
ŠA$_3$~c 12A17 9× IV: 6p/1u; III: 7p	o0981185	PC25 ZATU503	12A17			12A17			
ŠA$_3$~d 12A18 1× IV: 1p	o0981186	PC25 ZATU503	12A18						
ŠAB~a 79× IV: 5p/1u; III: 66p/10u	o0981187	PC25-sq ZATU504	1 F2189 F2188 2 F218A		F218A	F2189	F218A		
ŠAB~b 9× III: 9p	o0981188	PC25-sq ZATU504	1 F218C F218B						
ŠAGAN 12A19 73× IV: 5p/1u; III: 60p/10u	o0981189	PC25 ZATU506	1 F218D 12A19		12A19	F218D	12A19	12A19	
ŠAGINA 12A1A 1× IV: 1p	o0981190	PC25 ZATU507	12A1A		12A1A				
ŠAH$_2$~a 12A1B 27× IV: 4p; III: 23p/3u	o0981191	PC25 ZATU508	12A1B		12A1B	12A1B	12A1B		
ŠAH$_2$~b 12A1C 1× III: 1p	o0981192	PC25 ZATU508	12A1C						

ŠAH$_2$~c 12A1D 1× IV: 1p	o0981193	PC25 ZATU508	12A1D			12A1D			
ŠAKIR~a 12A1E 3× III: 3p	o0981194	PC25 ZATU509	12A1E		12A1E			12A1E	
ŠAKIR~b 12A1F 8× III: 7p/1u	o0981195	PC25 ZATU509	12A1F		12A1F				
ŠAKIR~c 12A20 47× III: 32p/15u	o0981196	PC25 ZATU509	12A20 1 F218E		F218E			12A20	
ŠAM$_2$ 12A21 66× IV: 3p/2u; III: 57p/8u	o0981197	PC25 ZATU510	12A21 1 F218F		F218F	12A21	F218F	12A21	
ŠANDANA~a 2× III: 2p	o0981198	PC25-sq	F223B						
ŠANDANA~b 1× III: 1u	o0981199	UNP	F223A						
ŠE~a 12A22 1204× IV: 87p/6u; III: 889p/232u	o0981200	PC25 ZATU511	12A22		12A22	12A22	12A22	12A22	
|ŠE~a.GAR| 2× III: 2p	o0981201	PC25-sq	F2228 1 F2229						F2228 F2229
|ŠE~a.KIN$_2$~c| 5× III: 5p	o0981202	PC25-sq ZATU512	F2190 1 F2191		F2191				
|ŠE~a.NAM$_2$| AKA: |ŠE~a×NAM$_2$| |ŠE~a×NAM$_2$| 109× IV: 10p; III: 64p/39u	o0981203	PC25-sq ZATU513	F2192 1 F2193		F2193	F2192	F2193	F2192	
|ŠE~a&ŠE~a| 12A23 29× IV: 1p; III: 24p/4u	o0981204	PC25 ZATU515	12A23		12A23		12A23	12A23	
ŠE~a@t 12A24 14× IV: 2p; III: 9p/5u	o0981205	PC25	12A24 1 F2194		12A24	12A24			
ŠE~b 12A25 6× IV: 1p; III: 5p	o0981206	PC25 ZATU511	12A25		12A25	12A25			

ŠE~c 12A26 2× IV: 1p/1u	o0981207	PC25 ZATU511	12A26						
ŠE$_3$ 12A27 175× IV: 13p/10u; III: 112p/48u	o0981208	PC25 ZATU516	1 F2195 12A27		F2195	F2195 12A27	12A27	F2195	
ŠE$_3$@t 12A28 11× IV: 1p/1u; III: 8p/2u	o0981209	PC25 ZATU518	1 F2196 12A28 2 F2197		F2196	F2197			
ŠEG$_9$ 12A29 31× IV: 8p; III: 27p/3u	o0981210	PC25 ZATU519	12A29 1 F2198		F2198	12A29			
ŠELU 32× IV: 25p; III: 6p/1u	o0981211	PC25-sq ZATU520	F2264		F2264				
ŠEN~a 12A2A 19× IV: 1u; III: 14p/4u	o0981212	PC25 ZATU521	1 F2199 12A2A		F2199		F2199	F2199	
ŠEN~b 12A2B 52× IV: 1p; III: 49p/2u	o0981213	PC25 ZATU521	12A2B 1 F219A		12A2B				
ŠEN~c 12A2C 2× III: 1p	o0981214	PC25 ZATU521	12A2C 1 F219B		F219B				
ŠEN~c@t 12A2D 28× III: 28p	o0981215	PC25	12A2D						
ŠEN~d	o0981216	ZERO ZATU521	F219C 1 F219D 2 F219E						
|ŠEN~d×A| 12A2E 1× III: 1p	o0981217	PC25	12A2E						
ŠEN~e 12A2F 6× III: 6p	o0981218	PC25 ZATU521	12A2F					12A2F	
ŠENNUR~a 12A30 10× III: 9p/1u	o0981219	PC25 ZATU522	12A30		12A30				

ŠENNUR~b 12A31 2× III: 1p/1u	o0981220	PC25 ZATU522	12A31						
ŠEŠ~a 12A32 25× IV: 11p/3u; III: 10p/4u	o0981221	PC25 ZATU523	12A32 1 F219F			12A32 F219F		F219F	
ŠEŠ~b 12A33 1× IV: 1p; III: 1p	o0981222	PC25 ZATU523	12A33			12A33			
ŠIDIM 12A34 36× IV: 6p/3u; III: 23p/5u	o0981223	PC25 ZATU524	12A34		12A34		12A34	12A34	
ŠIDIM@t 1× IV: 1u	o0981224	UNP	F2477						
ŠIM~a 12A35 56× IV: 2p/2u; III: 50p/3u	o0981225	PC25 ZATU525	1 F21A0 12A35 2 F21A1		F21A1	F21A0 12A35	12A35	12A35	
ŠIM~b 12A36 3× IV: 1p/1u; III: 1p/1u	o0981226	PC25 ZATU525	12A36			12A36			
ŠIR~a 12A37 16× IV: 2p/4u; III: 11p/1u	o0981227	PC25 ZATU526	1 F21A2 12A37		12A37	F21A2	12A37	F21A2	
ŠIR~b 12A38 7× IV: 4p; III: 3p/2u	o0981228	PC25 ZATU526	1 F21A3 2 F21A4 12A38			F21A3 F21A4 12A38			
ŠITA~a1 12A39 AKA: ŠITA~a 346× IV: 38p/10u; III: 243p/76u	o0981229	PC25 ZATU527	12A39		12A39	12A39	12A39	12A39	
|ŠITA~a1×KAK~a| 12A3A 2× III: 2p	o0981230	PC25 ZATU529	12A3A		12A3A				
|ŠITA~a1×ŠU| 12A3B 2× III: 2p	o0981231	PC25 ZATU528	12A3B		12A3B				
|ŠITA~a1×ŠU$_2$| 1× III: 1u	o0981232	UNP	F2478						
|ŠITA~a1×UDU~a| 5× III: 5u	o0981233	UNP	F2479						

|ŠITA~a1×1(N06)| 3× III: 3u	o0981234	UNP	F247A					
ŠITA~a2 12A3C 1× III: 1p	o0981235	PC25 ZATU527	12A3C					
ŠITA~a3 12A3D 29× IV: 10p; III: 20p/4u	o0981236	PC25 ZATU527	12A3D		12A3D	12A3D		12A3D
ŠITA~b1 12A3E 26× IV: 7p/4u; III: 16p/2u	o0981237	PC25 ZATU527	12A3E		12A3E	12A3E		
ŠITA~b2 12A3F 6× IV: 1p; III: 4p/2u	o0981238	PC25 ZATU527	12A3F					
|ŠITA~b2@g×HI@g~a| 12A40 AKA: |ŠITA~b1×HI@g~a| CDLI: |ŠITA~b1×HI@g~a| 1× IV: 1p; III: 1p	o0981239	PC25	12A40			(b1) 12A40		
ŠITA~b3 12A41 6× IV: 3p; III: 5p	o0981240	PC25 ZATU527	12A41		12A41		12A41	
|ŠITA~b3×NAM$_2$| 12A42 1× IV: 1p; III: 1p	o0981241	PC25	12A42					
ŠITA~c	o0981242	EDI	F24EB					
ŠITA@g~a 12A43 24× IV: 6p/1u; III: 16p/4u	o0981243	PC25 ZATU530	12A43 1 F21A5			F21A5	F21A5	
|ŠITA@g~a×1(N04)| 1× III: 1u	o0981244	UNP ZATU531	F247B					
|ŠITA@g~a×1(N06)| 12A44 4× III: 3p/1u	o0981245	PC25	12A44				12A44	
ŠITA@g~b 12A45 4× III: 3p/1u	o0981246	PC25 ZATU530	12A45					
ŠU 12A46 610× IV: 46p/8u; III: 378p/169u	o0981247	PC25 ZATU532	12A46		12A46	12A46	12A46	12A46
|ŠU×1(N58)| 12A47 1× III: 1p	o0981248	PC25	12A47					

|ŠU&ŠU| 12A48 22× IV: 1p; III: 20p/2u	o0981249	PC25	12A48				12A48	12A48
ŠU@g 12A49 4× III: 4p	o0981250	PC25 ZATU533	12A49		12A49	12A49	12A49	
ŠU@s	o0981251	EDI	F24EC					
ŠU$_2$ 12A4A 385× IV: 65p/40u; III: 253p/46u	o0981252	PC25 ZATU534	1 F21A9 12A4A 2 F21AA 3 F21AB 4 F21AC 5 F21AD		F21AC	F21A9 F21AD	F21AD	F21AD
|ŠU$_2$.AN| AKA: |ŠU$_2$+AN| |ŠU$_2$.AN| |ŠU$_2$×AN| 4× III: 2u	o0981253	UNP	12A4A					
|ŠU$_2$.E$_2$~a| 9× III: 8p/1u	o0981254	PC25-sq ZATU535	F2267				F2267	
|ŠU$_2$.E$_2$~b| 13× III: 10p/3u	o0981255	PC25-sq ZATU535	F2268					
|ŠU$_2$.EN~a| 40× IV: 9p/3u; III: 27p/4u	o0981256	PC25-sq ZATU536	1 F21A7 F21A6 2 F21A8		F21A8	F21A6	F21A6	F21A6
|ŠU$_2$.EN~b| 2× IV: 2u	o0981257	UNP ZATU536	F2269					
|ŠU$_2$.GIŠ|	o0981258	ZERO	F226A					
|ŠU$_2$.(HI×1(N57))&(HI×1(N57))| AKA: |ŠU$_2$.((HI+1(N57))+(HI+1(N57)))| CDLI: |ŠU$_2$.((HI+1(N57))+(HI+1(N57)))| 1× III: 1p	o0981259	PC25-sq	F226B					
|ŠU$_2$.PAP~a| 1× III: 1p	o0981260	PC25-sq	12A4A					
|ŠU$_2$.URI$_3$~a| 1× III: 1p	o0981261	PC25-sq	F226E			F226E		

|ŠU$_2$.1(N02)| 2× IV: 1u; III: 1p/1u	o0981262	UNP	F226F						
|ŠU$_2$.1(N24)| AKA: |ŠU$_2$×1(N24)| 1× III: 1p	o0981263	PC25-sq	F2270						
|ŠU$_2$.2(N57)|	o0981264	EDI	F2271						
|ŠU$_2$×3(N57)| AKA: |ŠU$_2$×3(N57)| 1×	o0981265	UNP	F251D						
ŠU$_{12}$ 12A4B 1× III: 1p	o0981266	PC25 ZATU538	12A4B		12A4B				
ŠUBUR 12A4C 345× IV: 41p/7u; III: 223p/98u	o0981267	PC25 ZATU539	12A4C 1 F21AE		12A4C	12A4C	12A4C	12A4C	
ŠUM 12A4D 35× IV: 14p; III: 23p/4u	o0981268	PC25 ZATU541	12A4D		12A4D	12A4D	12A4D	12A4D	
|ŠUR$_2$×1(N58)| 12A4E 4× III: 4p	o0981269	PC25	12A4E						12A4E
ŠUR$_2$~a 12A4F 14× III: 8p/6u	o0981270	PC25 ZATU543	12A4F				12A4F		
ŠUR$_2$~b 12A50 13× III: 7p/6u	o0981271	PC25 ZATU543	12A50					12A50	
ŠUR$_2$~c 2×	o0981272	UNP ZATU543	F2533						
ŠURUPPAK~a 48× IV: 3u; III: 37p/10u	o0981273	PC25-sq ZATU544	1 F21B0 F21AF		F21AF				
ŠURUPPAK~b 10× IV: 1u; III: 8p/2u	o0981274	PC25-sq ZATU544	1 F21B2 F21B1						
ŠURUPPAK~c	o0981275	EDI	F2263						
TA~a 12A51 5× IV: 1u; III: 4p	o0981276	PC25 ZATU545	12A51						

TA~b 12A52 1× III: 1p	o0981277	PC25 ZATU545	12A52					
TA~c 12A53 23× IV: 2p/2u; III: 16p/3u	o0981278	PC25 ZATU545	12A53		12A53	12A53	12A53	
TA~d 12A54 2× III: 1p/1u	o0981279	PC25 ZATU545	12A54					
|TA~d×MAŠ| 1× III: 1u	o0981280	UNP	F247C					
TA~e 12A55 1× III: 1p	o0981281	PC25 ZATU545	12A55					
TA~f	o0981282	EDI	F24ED					
TAG~a1 12A56 25× IV: 16p; III: 8p/2u	o0981283	PC25 ZATU547	12A56		12A56			12A56
TAG~a1@t 12A57 1× IV: 1p	o0981284	PC25	12A57					
TAG~a2 12A58 9× III: 7p/2u	o0981285	PC25 ZATU547	12A58		12A58	(a1) 12A58		
TAG~a3 12A59 2× III: 2p	o0981286	PC25 ZATU547	12A59					
TAG~a4 12A5A 2× IV: 1p; III: 2p	o0981287	PC25 ZATU547	12A5A		12A5A			
TAG~b 12A5B 14× IV: 2p/1u; III: 13p	o0981288	PC25 ZATU547	12A5B 1 F21B3		F21B3	F21B3		
TAG~c 12A5C 1× III: 1p	o0981289	PC25 ZATU547	12A5C					
TAG~d 12A5D 3× III: 2p/1u	o0981290	PC25 ZATU547	12A5D				12A5D	
TAK$_4$~a 12A5E 188× IV: 6p/3u; III: 123p/58u	o0981291	PC25 ZATU548	1 F21B4 12A5E		12A5E		12A5E	12A5E
TAK$_4$~a@n 12A5F 1× III: 1p	o0981292	PC25	12A5F				12A5F	
TAK$_4$~c 12A60 3× III: 2p/1u	o0981293	PC25 ZATU548	12A60					

TAR~a 12A61 100× IV: 5p; III: 80p/16u	o0981294	PC25 ZATU549	12A61		12A61		12A61	12A61	
TAR~d	o0981295	EDI	F24EE						
TE 12A62 AKA: TE~a 350× IV: 63p/5u; III: 239p/86u	o0981296	PC25 ZATU550	12A62		12A62	12A62	12A62	12A62	
TI 12A63 AKA: TI~a 103× IV: 9p/8u; III: 62p/34u	o0981297	PC25 ZATU551	12A63 1 F21B5		12A63 (a)	12A63 (a) F21B5 (a)	F21B5 (a)	12A63 (a) F21B5 (a)	
TI@g 12A64 1× III: 1p	o0981298	PC25	12A64		12A64 (a)				
TI@r 12A65 2× III: 2p	o0981299	PC25	12A65						
TI@t 12A66 17× IV: 1p; III: 13p/4u	o0981300	PC25	12A66			12A66 (b)	12A66 (b)		
TIDNUM 1× III: 1p	o0981301	PC25-sq ZATU552	F2241		F2241				
TILLA$_2$ 12A67 6× IV: 1p; III: 5p/1u	o0981302	PC25 ZATU553	12A67		12A67				
TU~a 12A68 27× IV: 4p; III: 16p/7u	o0981303	PC25 ZATU554	12A68		12A68	12A68			
TU~b 12A69 29× IV: 1u; III: 26p/2u	o0981304	PC25 ZATU554	12A69		12A69		12A69	12A69	
TU~c 12A6A 1× IV: 1p	o0981305	PC25 ZATU554	12A6A						
TUG$_2$~a 12A6B 365× IV: 31p/26u; III: 194p/124u	o0981306	PC25 ZATU555	12A6B 1 F21B6 2 F21B7		F21B6	12A6B	F21B7	12A6B	
|TUG$_2$~a.BAD&BAD| CDLI: |TUG$_2$~a.(BAD&BAD)| 35× IV: 1p/2u; III: 23p/10u	o0981307	PC25-sq ZATU556 ZATU558	F21B8 1 F21B9						

TUG$_2$~a@g 12A6C 19× IV: 2u; III: 17p	o0981308	PC25 ZATU557	1 F21BA 12A6C		12A6C			
TUG$_2$~b 12A6D 2× IV: 1p; III: 2p	o0981309	PC25 ZATU555	12A6D			12A6D		
TUG$_2$~c 12A6E 1× III: 1p	o0981310	PC25 ZATU555	12A6E			12A6E		
TUG$_2$~d 1× IV: 1u	o0981311	UNP ZATU555	F247D					
TUM~a 12A6F 34× IV: 9p/2u; III: 17p/10u	o0981312	PC25 ZATU560	12A6F		12A6F	12A6F	12A6F	12A6F
TUM~a@g 12A70 2× IV: 1p; III: 1u	o0981313	PC25	12A70					
TUM~b 12A71 6× IV: 2p; III: 4p/2u	o0981314	PC25 ZATU560	12A71		12A71			
TUM~c 12A72 13× IV: 1p; III: 12p	o0981315	PC25 ZATU560	12A72 1 F21BB				12A72	F21BB
TUM~d 12A73 3× IV: 1p; III: 3p	o0981316	PC25 ZATU560	12A73			12A73		
TUN$_3$~a 12A74 108× IV: 35p/2u; III: 53p/19u	o0981317	PC25 ZATU561	12A74		12A74	12A74	12A74	12A74
TUN$_3$~b 12A75 3× III: 3p	o0981318	PC25 ZATU561	12A75		12A75			
TUN$_3$~c 12A76 4× IV: 1p; III: 2p/1u	o0981319	PC25 ZATU561	12A76					
TUR 12A77 381× IV: 31p/6u; III: 243p/101u	o0981320	PC25 ZATU562	1 F21BD 2 F21BE 3 F21BF 12A77		12A77	F21BD F21BE F21BF 12A77	12A77	12A77
|TUR×X|	o0981321	EDI	F2511					
TUR@g 12A78 9× IV: 1p; III: 7p/2u	o0981322	PC25	12A78 1 F21BC					F21BC

TUR$_3$~a 12A79 171× IV: 19p/4u; III: 126p/31u	o0981323	PC25 ZATU563	12A79		12A79	12A79	12A79	12A79	
|TUR$_3$~a.5(N57)| 1× III: 1p	o0981324	PC25-sq	12A79						
TUR$_3$~a@n CDLI: |TUR$_3$~a@n| 1×	o0981325	UNP	F247E						
TUR$_3$~b 12A7A 9× IV: 1p/2u; III: 7p	o0981326	PC25 ZATU563	12A7A		12A7A				
|TUR$_3$~b×TAK$_4$~a|	o0981327	EDI	F2512						
TUR$_3$~c 12A7B 1× IV: 1p	o0981328	PC25 ZATU563	12A7B						
U$_2$~a 12A7C 145× IV: 10p/1u; III: 103p/35u	o0981329	PC25 ZATU565	12A7C		12A7C			12A7C	
U$_2$~b 12A7D 170× IV: 15p/2u; III: 102p/59u	o0981330	PC25 ZATU565	1 F21C0 12A7D 2 F21C1		12A7D	F21C0 12A7D F21C1	12A7D	F21C0	
U$_2$~c 12A7E 1× IV: 1p	o0981331	PC25 ZATU565	12A7E						
U$_4$ 12A7F 602× IV: 77p/13u; III: 435p/112u	o0981332	PC25 ZATU566	12A7F		12A7F	12A7F	12A7F	12A7F	
|U$_4$.ŠU$_2$| 11× IV: 2p; III: 9p/2u	o0981333	PC25-sq ZATU568	F2275		F2275	F2275			
|U$_4$.1(N08)| 48× III: 32p/16u	o0981334	PC25-sq	F2276				F2276		
|U$_4$.2(N08)| 12× IV: 1p; III: 11p	o0981335	PC25-sq	F2277				F2277		
|U$_4$.3(N08)| 10× III: 8p/2u	o0981336	PC25-sq	F2278				F2278		
|U$_4$.4(N08)| 2× III: 2p	o0981337	PC25-sq	F2279				F2279		
|U$_4$.5(N08)| 6× III: 5p/1u	o0981338	PC25-sq	F227A				F227A		
|U$_4$.6(N08)| 4× III: 4p	o0981339	PC25-sq	F227B						

|U$_4$.7(N08)| 2× III: 1p/1u o0981340	PC25-sq	F227C						
|U$_4$.8(N08)| 1× III: 1p o0981341	PC25-sq	F227D						
|U$_4$.1(N14)| 1× III: 1p o0981342	PC25-sq	F227E						
|U$_4$.1(N14).1(N08)| AKA: |(U$_4$+1(N14)).1(N08)| 1× III: 1p o0981343	PC25-sq	12A7F						
|U$_4$.1(N14).3(N08)| CDLI: |U$_4$.(1(N14).3(N08))| 2× III: 2p o0981344	PC25-sq	F227F						
|U$_4$.1(N14).4(N08)| CDLI: |U$_4$.(1(N14).4(N08))| 1× III: 1p o0981345	PC25-sq	F2280				F2280		
|U$_4$.1(N14).5(N08)| CDLI: |U$_4$.(1(N14).5(N08))| 4× III: 2p/2u o0981346	PC25-sq	F2281				F2281		
|U$_4$.1(N14).8(N08)| CDLI: |U$_4$.(1(N14).8(N08))| 1× III: 1p o0981347	PC25-sq	F2282						
|U$_4$.2(N14)| 2× III: 2p o0981348	PC25-sq	F2283						
|U$_4$.1(N24)| 3× III: 3p o0981349	PC25-sq	F2284						F2284
|U$_4$×X| 2× III: 1p/1u o0981350	PC25-bk	F247F						
|U$_4$×(X+2(N01))| 1× III: 1u o0981351	UNP	F2480						
|U$_4$×1(N01)| 12A80 38× IV: 1p; III: 31p/7u o0981352	PC25 ZATU569	12A80				12A80		
|U$_4$×1(N01).5(N08)| 2× III: 1p/1u o0981353	PC25-sq	F2285				F2285		
|U$_4$×(1(N01).1(N24))| 12A81 AKA: |U$_4$×1(N01)+1(N24)| 2× III: 2p o0981354	PC25	12A81						12A81
|U$_4$×2(N01)| 14× III: 13p/1u o0981355	PC25-bk	F2481				F2481	F2481	
|U$_4$×2(N01).X| 1× III: 1p o0981356	PC25-sq	F2482						
|U$_4$×2(N01).2(N14)| 1× III: 1p o0981357	PC25-sq	F2286						
|U$_4$×2(N01).2(N14).1(N08)| CDLI: |U$_4$×2(N01).(2(N14).1(N08))| 1× III: 1p o0981358	PC25-sq	F2287				F2287		

|U$_4$×3(N01)| 12A82 5× III: 3p/2u o0981359	PC25	12A82				12A82		
|U$_4$×3(N01).3(N08)| 1× III: 1u o0981360	UNP	F2288						
|U$_4$×4(N01)| 12A83 7× III: 6p/1u o0981361	PC25	12A83						
|U$_4$×4(N01).2(N14)| 1× III: 1u o0981362	UNP	F2289						
|U$_4$×5(N01)| 12A84 3× III: 2p/1u o0981363	PC25	12A84						
|U$_4$×5(N01).1(N14)| 1× III: 1p o0981364	PC25-sq	F228A						
|U$_4$×6(N01)| 12A85 3× III: 1p/2u o0981365	PC25	12A85				12A85		
|U$_4$×8(N01)| 12A86 2× III: 2p o0981366	PC25	12A86				12A86		
|U$_4$×8(N01).X| 1× III: 1p o0981367	PC25-sq	F2483						
|U$_4$×N(N01)| CDLI: |U$_4$×(X(N01))| 1× III: 1u o0981368	UNP	F2484						
|U$_4$×1(N01@f)| CDLI: |U$_4$×1(N01)F| o0981369	EDI	F2513						
|U$_4$×1(N14)| 12A87 5× III: 1p/4u o0981370	PC25	12A87				12A87		
|U$_4$×(1(N14).1(N01))| 12A88 1× III: 1p o0981371	PC25	12A88						12A88
|U$_4$×(1(N14).2(N01))| 12A89 10× III: 10p o0981372	PC25	12A89				12A89		
|U$_4$×(1(N14).3(N01))| 1× III: 1u o0981373	UNP	F253C						
|U$_4$×(1(N14).3(N01)).1(N14).4(N08)| AKA: |U$_4$×(1(N14).3(N01)).(1(N14).4(N08))| 1× III: 1u o0981374	UNP	F253C						
|U$_4$×(1(N14).4(N01))| 12A8A 1× III: 1p o0981375	PC25	12A8A						

|U$_4$×(1(N14).8(N01))| 12A8B 2× III: 2p	o0981376	PC25	12A8B				12A8B	
|U$_4$×2(N14)|	o0981377	ZERO	F2485				F2485	
|U$_4$×(2(N14).4(N01))| 12A8C 1× III: 1p	o0981378	PC25	12A8C					12A8C
|U$_4$×(3(N14).2(N01))| 12A8D 1× III: 1p	o0981379	PC25	12A8D				12A8D	
|U$_4$×(3(N14).7(N01))| 12A8E 1× III: 1p	o0981380	PC25	12A8E					
|U$_4$×1(N57)| 12A8F 159× III: 132p/23u	o0981381	PC25	12A8F			12A8F	12A8F	12A8F
|U$_4$×2(N57)| 12A90 57× IV: 1p; III: 43p/9u	o0981382	PC25	12A90		12A90		12A90	12A90
|U$_4$×3(N57)| 12A91 43× IV: 1u; III: 30p/10u	o0981383	PC25	12A91			12A91	12A91	12A91
|U$_4$×4(N57)| 12A92 9× III: 7p/1u	o0981384	PC25	12A92				12A92	12A92
|U$_4$×5(N57)| 12A93 5× III: 5p	o0981385	PC25	12A93				12A93	12A93
|U$_4$×6(N57)| 12A94 9× III: 8p/1u	o0981386	PC25	12A94				12A94	12A94
|U$_4$×7(N57)| 12A95 3× III: 3p	o0981387	PC25	12A95					12A95
|U$_4$×8(N57)| 12A96 3× III: 3p	o0981388	PC25	12A96					12A96
|U$_4$×10(N57)| 12A97 2× III: 2p	o0981389	PC25	12A97					
|U$_4$×1(N58@t)| 12A98 AKA: |U$_4$×1(N58)@t| CDLI: |U$_4$×1(N58)@t| 2× III: 2p	o0981390	PC25	12A98					

U_4@t 12A99 1× III: 1p	o0981391	PC25	12A99						
U_8 12A9A 186× IV: 32p; III: 118p/62u	o0981392	PC25 ZATU571	1 F21C2 12A9A 2 F21C3 3 F21C4		F21C3	F21C2 12A9A F21C3 F21C4	F21C3	12A9A	
|U_8×TAR~b| 12A9B CDLI: |(U_8×TAR)~b| 2× III: 1p/1u	o0981393	PC25	12A9B						
UB 12A9C 186× IV: 21p/5u; III: 152p/19u	o0981394	PC25 ZATU572	12A9C		12A9C	12A9C	12A9C	12A9C	
UBI~a 12A9D 2× IV: 2p; III: 2p	o0981395	PC25 ZATU573	12A9D			12A9D			
UBI~c 12A9E 8× III: 8p	o0981396	PC25 ZATU573	12A9E 1 F21C5		F21C5				
UBI~d 12A9F 2× III: 2p	o0981397	PC25 ZATU573	12A9F						12A9F
UD_5~a 12AA0 224× IV: 46p/2u; III: 132p/83u	o0981398	PC25 ZATU574	1 F21C6 12AA0 2 F21C7		12AA0	F21C6 12AA0 F21C7	12AA0	12AA0	
UD_5~a@g 12AA1 1× III: 1p	o0981399	PC25	12AA1		12AA1				
UD_5~b 12AA2 2× IV: 2p; III: 2p	o0981400	PC25 ZATU574	12AA2			12AA2			
UD_5~c 12AA3 2× IV: 2p; III: 2p	o0981401	PC25 ZATU574	12AA3			12AA3			
UDU~a 12AA4 AKA: UDU 586× IV: 77p/17u; III: 379p/148u	o0981402	PC25 ZATU575	12AA4		12AA4	12AA4	12AA4	12AA4	

|UDU~a×TAR~a| 12AA5 CDLI: |(UDU~a×TAR)~a| 8× IV: 2p; III: 2p/4u	o0981403	PC25 ZATU576	12AA5						
|UDU~a×TAR~b| 12AA6 CDLI: |(UDU~a×TAR)~b| 19× III: 10p/9u	o0981404	PC25 ZATU576	12AA6						
UDU~b 1× IV: 1u	o0981405	UNP ZATU575	F2486						
UDU~c 12AA7 6× IV: 1u; III: 4p/1u	o0981406	PC25 ZATU575	12AA7		12AA7				
UDUNITA~a 12AA8 198× IV: 33p; III: 122p/73u	o0981407	PC25 ZATU578	12AA8		12AA8	12AA8	12AA8	12AA8	
UDUNITA~b 12AA9 1× IV: 1p; III: 1p	o0981408	PC25 ZATU578	12AA9			12AA9			
UDUNITA~c 12AAA 14× IV: 7p; III: 13p	o0981409	PC25 ZATU578	12AAA			12AAA			
UH 1× III: 1u	o0981410	UNP	F2487						
UH_3~a 12AAB 13× IV: 2p; III: 9p/4u	o0981411	PC25 ZATU579	12AAB		12AAB	12AAB			
UH_3~a@t 12AAC 2× IV: 1p; III: 1p	o0981412	PC25	12AAC		12AAC				
UH_3~b 12AAD 4× IV: 1p; III: 4p	o0981413	PC25 ZATU579	12AAD			12AAD			
UKKIN~a 12AAE 155× IV: 34p/9u; III: 112p/23u	o0981414	PC25 ZATU580	1 F21C8 12AAE		12AAE	F21C8 12AAE	12AAE	12AAE	
UKKIN~b 12AAF 13× III: 11p/2u	o0981415	PC25 ZATU580	1 F21C9 12AAF 2 F21CA		F21CA			12AAF	
|UKKIN~b×DIN| 12AB0 6× III: 5p/1u	o0981416	PC25	12AB0				12AB0		
|UKKIN~b×(DIN.1(N01))| 12AB1 1× III: 1p	o0981417	PC25	12AB1						

|UKKIN~b×DUG~a|	o0981418	EDI	F2514						
|UKKIN~b×HI@g~a| 12AB2 1× III: 1p	o0981419	PC25	12AB2						
|UKKIN~b×NI~a| 12AB3 2× III: 2p	o0981420	PC25	12AB3						
|UKKIN~b×X| 1× III: 1p	o0981421	PC25-bk	F2488						
|UKKIN~b×2(N01)| 12AB4 1× III: 1p	o0981422	PC25	12AB4						
|UKKIN~b×3(N01)| 12AB5 1× III: 1p	o0981423	PC25	12AB5						
|UKKIN~b×5(N01)| 12AB6 1× III: 1p	o0981424	PC25	12AB6						
UKKIN~c 12AB7 1× IV: 1p	o0981425	PC25 ZATU580	12AB7			12AB7			
UKKIN~d 1×	o0981426	UNP ZATU580	F2534						
UMBIN~a 12AB8 40× IV: 27p/3u; III: 27p/3u	o0981427	PC25 ZATU581	12AB8			12AB8		12AB8	
UMBIN~b1 12AB9 2× IV: 2p	o0981428	PC25 ZATU581	12AB9						
UMBIN~b2 12ABA 1× IV: 1p	o0981429	PC25 ZATU581	12ABA			12ABA			
UMBIN~c 12ABB 1× IV: 1p; III: 1p	o0981430	PC25 ZATU581	12ABB			12ABB			
UMUN$_2$ 12ABC 160× IV: 19p/2u; III: 109p/43u	o0981431	PC25 ZATU582	1 F21CB 12ABC		12ABC	F21CB 12ABC	12ABC	12ABC	
UNUG~a 12ABD 266× IV: 71p/8u; III: 186p/56u	o0981432	PC25 ZATU583	1 F21CC 12ABD		12ABD	F21CC 12ABD	12ABD	12ABD	
|UNUG~a×A@t| 12ABE 1× IV: 1p; III: 1p	o0981433	PC25 ZATU584	12ABE			12ABE			

UNUG~a@s 12ABF 2× IV: 1p; III: 1p/1u	o0981434	PC25 ZATU585	12ABF		(o) 12ABF			
UNUG~b 12AC0 6× IV: 1p; III: 6p	o0981435	PC25 ZATU583	12AC0					
UNUG~c 12AC1 3× IV: 3p	o0981436	PC25 ZATU583	12AC1					
UR~a 12AC2 AKA: UR 75× IV: 3p/4u; III: 42p/26u	o0981437	PC25 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 2× IV: 2p; III: 2p	o0981439	PC25 ZATU587	12AC3			12AC3		
UR~b 12AC4 8× IV: 1u; III: 7p	o0981440	PC25 ZATU586	12AC4					
UR~c 12AC5 3× IV: 1p/1u; III: 1p	o0981441	PC25 ZATU586	12AC5					12AC5
UR$_2$ 12AC6 107× IV: 13p/2u; III: 77p/24u	o0981442	PC25 ZATU588	12AC6		12AC6	12AC6	12AC6	12AC6
|UR$_2$×TAR~c| 12AC7 AKA: |UR$_2$×TAR| CDLI: |UR$_2$×TAR| 4× IV: 2p; III: 2p	o0981443	PC25 ZATU590	12AC7		(o) 12AC7			
|UR$_2$×1(N57)| 12AC8 15× IV: 6p/1u; III: 11p/2u	o0981444	PC25 ZATU589	12AC8		12AC8			
UR$_3$~a1 12AC9 4× IV: 4p; III: 2p	o0981445	PC25 ZATU591	12AC9 [1] F21CD			12AC9		
UR$_3$~a2 12ACA 6× III: 6p	o0981446	PC25 ZATU591	12ACA		12ACA			
UR$_3$~a3 12ACB 8× III: 7p/1u	o0981447	PC25 ZATU591	12ACB					
UR$_3$~b1 12ACC 12× IV: 5p/2u; III: 4p	o0981448	PC25 ZATU591	12ACC		12ACC			

|UR$_3$~b1×MAŠ| 1× IV: 1u	o0981449	UNP	F248A						
UR$_3$~b2 12ACD 11× IV: 2p/1u; III: 5p/3u	o0981450	PC25 ZATU591	12ACD 1 F21CE		12ACD				
UR$_3$~d2 1×	o0981451	UNP ZATU591	F2535						
UR$_4$~a 12ACE 13× IV: 1p; III: 9p/3u	o0981452	PC25 ZATU592	12ACE		12ACE				
UR$_4$~b 12ACF 18× III: 15p/3u	o0981453	PC25 ZATU592	12ACF		12ACF			12ACF	
UR$_4$~c 12AD0 3× IV: 2p; III: 1p	o0981454	PC25 ZATU592	12AD0						
UR$_5$~a 12AD1 74× IV: 1p/1u; III: 57p/16u	o0981455	PC25 ZATU593	12AD1				12AD1	12AD1	
UR$_5$~b 12AD2 4× III: 4p	o0981456	PC25 ZATU593	12AD2		12AD2				
URI 12AD3 29× IV: 1p/1u; III: 20p/7u	o0981457	PC25 ZATU594	12AD3		12AD3	12AD3	12AD3	12AD3	
URI$_2$	o0981458	EDI	F228E						
URI$_3$~a 12AD4 110× IV: 7p; III: 58p/45u	o0981459	PC25 ZATU595	12AD4 1 F21CF		F21CF		F21CF	F21CF	
|URI$_3$~a+IB~a|	o0981460	EDI	F228D						
URI$_3$~b 1× IV: 1p	o0981461	PC25-sq ZATU595	F228C						
URI$_5$ 12AD5 8× III: 4p/4u	o0981462	PC25 ZATU596	12AD5		12AD5				
URU~a1 12AD6 169× IV: 9p/3u; III: 112p/46u	o0981463	PC25 ZATU597	12AD6		12AD6	12AD6	12AD6	12AD6	
|URU~a1×A|	o0981464	EDI	F2515						

|URU~a1×AMAR| 12AD7 2× IV: 2p; III: 2p	o0981465	PC25 ZATU598	12AD7			12AD7			
|URU~a1×GU$_4$| 1× III: 1u	o0981466	UNP	F248B						
|URU~a1×HI@g~a| 12AD8 1× III: 1p	o0981467	PC25	12AD8				12AD8		
|URU~a1×KI| 12AD9 2× III: 2p	o0981468	PC25	12AD9						12AD9
|URU~a1×NIMGIR| 12ADA 1× IV: 1p; III: 1p	o0981469	PC25 ZATU600	12ADA			12ADA			
|URU~a1×U$_4$| 12ADB 1× III: 1p	o0981470	PC25	12ADB				12ADB		
|URU~a1×X| 2× IV: 1p; III: 2p	o0981471	PC25-bk	F248C			F248C			
|URU~a1×1(N57)| 1× IV: 1p	o0981472	PC25-sq ZATU601	F22B0						
|URU~a1×2(N57)| 1× IV: 1u	o0981473	UNP ZATU601	F22B1						
|URU~a1×3(N57)| 12ADC 5× III: 5p	o0981474	PC25	12ADC						12ADC
URU~a1@n CDLI: |URU~a1@n| 1× III: 1u	o0981475	UNP	F248D						
URU~a2 12ADD 3× IV: 3p; III: 2p	o0981476	PC25 ZATU597	12ADD			12ADD			
|URU~a2×1(N58)| 12ADE AKA: |URU~a1+1(N58)| 3× IV: 2p; III: 3p	o0981477	PC25 ZATU601	12ADE			12ADE			
|URU~a3×KALAM~a| 12ADF 1× IV: 1p	o0981478	PC25 ZATU599	12ADF			12ADF			
URU~b1 12AE0 2× IV: 2p; III: 2p	o0981479	PC25 ZATU597	12AE0			12AE0			
URU~b2 12AE1 4× IV: 4p; III: 3p	o0981480	PC25 ZATU597	12AE1			12AE1			
URU~c 12AE2 2× IV: 2p; III: 2p	o0981481	PC25 ZATU597	12AE2			12AE2			

URUDU~a 12AE3 40× IV: 8p/1u; III: 24p/11u	o0981482	PC25 ZATU602	1 F21D0 2 F21D1 12AE3		F21D1	F21D0 F21D1 12AE3	F21D1	12AE3	
URUDU~c 12AE4 3× IV: 1p; III: 2p/1u	o0981483	PC25 ZATU602	12AE4			12AE4			
URUDU~d 12AE5 1× IV: 1p; III: 1p	o0981484	PC25 ZATU602	12AE5			12AE5			
URUDU@g~a 12AE6 5× IV: 3p/2u; III: 2p	o0981485	PC25 ZATU603	12AE6			12AE6			
URUDU@g~b 1× IV: 1u	o0981486	UNP ZATU603	F248E						
URUDU@g~c 12AE7 3× III: 3p	o0981487	PC25 ZATU603	12AE7		12AE7				
URUDU@g~d 12AE8 5× III: 2p/3u	o0981488	PC25 ZATU603	12AE8						
UŠ~a 12AE9 87× IV: 33p/3u; III: 61p/17u	o0981489	PC25 ZATU604	12AE9 1 F21D2		12AE9	12AE9		12AE9	
|UŠ~a&UŠ~a| 12AEA 9× IV: 9p; III: 9p	o0981490	PC25	12AEA			12AEA			
UŠ~b 12AEB 9× IV: 1p/1u; III: 4p/4u	o0981491	PC25 ZATU604	12AEB 1 F21D3		12AEB	12AEB F21D3			
|UŠ~b×TAR~c| 12AEC 2× IV: 2p; III: 1p	o0981492	PC25 ZATU605	1 F21D4 12AEC						
|UŠ~b×TAR~d|	o0981493	EDI	F2516						
|UŠ~b&UŠ~b| 12AED 2× IV: 2p; III: 2p	o0981494	PC25	12AED		12AED				
UŠUMGAL 5× III: 3p/2u	o0981495	PC25-sq ZATU607	F2239		F2239				
UŠUR$_3$~a	o0981496	EDI	F24F0		(b1) F24F0				
UŠUR$_3$~b1 12AEE 1× III: 1p	o0981497	PC25 ZATU608	12AEE		(b2) 12AEE				

UŠUR$_3$~b2 12AEF 1× III: 1p	o0981498	PC25 ZATU608	12AEF						
UTUA~a 12AF0 123× IV: 40p/3u; III: 70p/46u	o0981499	PC25 ZATU609	12AF0			12AF0	12AF0	12AF0	
UTUA~a@t 12AF1 1× IV: 1p; III: 1p	o0981500	PC25	12AF1			12AF1			
UTUA~b 12AF2 14× IV: 4p; III: 12p/2u	o0981501	PC25 ZATU609	1 F21D5 12AF2		F21D5	F21D5 12AF2			
UTUL~a 12AF3 38× IV: 3p/1u; III: 30p/7u	o0981502	PC25 ZATU610	12AF3		12AF3	12AF3	12AF3	12AF3	
UTUL~b 12AF4 1× IV: 1p; III: 1p	o0981503	PC25 ZATU610	12AF4		12AF4				
UTUL~c 12AF5 1× IV: 1p; III: 1p	o0981504	PC25 ZATU610	12AF5			12AF5			
UTUL~d 12AF6 1× IV: 1p; III: 1p	o0981505	PC25 ZATU610	12AF6			12AF6			
UZ~a 6× III: 1p/2u	o0981506	PC25-sq ZATU611	F21D6 1 F21D7		F21D6	F21D7			
UZU 12AF7 2× III: 1p/1u	o0981507	PC25	12AF7					12AF7	
X$_2$ AKA: |2(N57).DU$_6$~a@n| 1× III: 1p	o0981508	PC25-sq	12BED						
ZA~v 12AF8 CDLI: ZA~x 9× III: 9p	o0981509	PC25 ZATU612	12AF8		12AF8				
ZABALAM~a AKA: ZABALA~a 48× III: 31p/17u	o0981510	PC25-sq ZATU613	F224F		F224F				
ZABALAM~b 1× III: 1u	o0981511	UNP ZATU613	F2251						
ZADIM	o0981512	EDI	F24F1						

ZAG~a 12AF9 75× IV: 2p/1u; III: 58p/15u	o0981513	PC25 ZATU615	1 F21D8 12AF9		F21D8	F21D8	F21D8	F21D8	
ZAG~b 12AFA 2× IV: 2p; III: 2p	o0981514	PC25 ZATU615	12AFA			12AFA			
ZAG~c 12AFB 7× IV: 4p; III: 4p	o0981515	PC25 ZATU615	12AFB			12AFB			
ZAR~a 12AFC 2× III: 2p	o0981516	PC25 ZATU616	12AFC						
ZAR~b1 12AFD 2× IV: 2p; III: 1p	o0981517	PC25 ZATU616	12AFD			12AFD			
ZAR~b2 12AFE 3× IV: 3p	o0981518	PC25 ZATU616	12AFE						
ZAR~c 12AFF 8× IV: 6p/1u; III: 6p	o0981519	PC25 ZATU616	12AFF			12AFF			
ZI~a 12B00 125× IV: 3p/1u; III: 91p/31u	o0981520	PC25 ZATU617	1 F221C 12B00		12B00		12B00		
ZI~b 12B01 2× IV: 2p; III: 2p	o0981521	PC25 ZATU617	12B01			12B01			
ZI~d 12B02 2× III: 2p	o0981522	PC25 ZATU617	12B02						
|(ZU&ZU).SAR~a|	o0981523	EDI	F2518						
ZUBI~a 12B03 1× III: 1p	o0981524	PC25 ZATU619	12B03						
ZUBI~b 1× III: 1u	o0981525	UNP ZATU619	F221D 1 F221E		(a) F221E				
ZATU620 12B04 1× IV: 1p; III: 1p	o0981526	PC25 ZATU620	12B04			12B04			
ZATU621~a 12B05 5× IV: 4p; III: 4p	o0981527	PC25 ZATU621	12B05		12B05	12B05			
ZATU621~b 12B06 3× IV: 3p; III: 2p	o0981528	PC25 ZATU621	12B06			12B06			

ZATU621~c 12B07 2× IV: 2p; III: 1p	o0981529	PC25 ZATU621	12B07			12B07			
ZATU621~d 12B08 1× IV: 1p	o0981530	PC25 ZATU621	12B08						
ZATU622 12B09 1× IV: 1p; III: 1p	o0981531	PC25 ZATU622	12B09			12B09			
ZATU623 12B0A 11× IV: 3p/1u; III: 6p/2u	o0981532	PC25 ZATU623	1 F21D9 2 F21DA 12B0A		12B0A	F21D9 F21DA		12B0A	
ZATU624~a 12B0B 6× III: 3p/3u	o0981533	PC25 ZATU624	12B0B				12B0B		
ZATU624~b 12B0C 5× III: 1p/4u	o0981534	PC25 ZATU624	12B0C						
ZATU624~c 1× III: 1u	o0981535	UNP ZATU624	F248F						
ZATU625 12B0D 17× IV: 3p/1u; III: 13p/3u	o0981536	PC25 ZATU625	12B0D 1 F21DB			12B0D F21DB		12B0D	
ZATU626~a 12B0E 1× IV: 1p; III: 1p	o0981537	PC25 ZATU626	12B0E			12B0E			
ZATU626~b 12B0F 1× IV: 1p	o0981538	PC25 ZATU626	12B0F						
ZATU626~c 12B10 1× IV: 1p; III: 1p	o0981539	PC25 ZATU626	12B10			12B10			
ZATU627 1× IV: 1u	o0981540	UNP ZATU627	F2490						
ZATU628~a 12B11 30× III: 15p/15u	o0981541	PC25 ZATU628	12B11 1 F21DC			12B11	12B11		
ZATU628~b 12B12 8× III: 1p/7u	o0981542	PC25 ZATU628	12B12					12B12	
ZATU629 12B13 22× IV: 6p; III: 9p/10u	o0981543	PC25 ZATU629	1 F21DD 12B13			F21DD			

ZATU630 12B14 8× IV: 5p/1u; III: 5p	o0981544	PC25 ZATU630	12B14		12B14	12B14	12B14		
ZATU631 12B15 6× IV: 4p; III: 4p/2u	o0981545	PC25 ZATU631	12B15			12B15			
ZATU632~a 12B16 4× IV: 1p/1u; III: 2u	o0981546	PC25 ZATU632	12B16 1 F21DE		12B16				
ZATU632~b 12B17 1× IV: 1p; III: 1p	o0981547	PC25 ZATU632	12B17			12B17			
ZATU632~c 1× IV: 1u	o0981548	UNP ZATU632	F2491						
ZATU633~a 12B18 4× III: 3p/1u	o0981549	PC25 ZATU633	12B18		12B18		12B18		
ZATU633~b 12B19 4× III: 4p	o0981550	PC25 ZATU633	12B19		12B19				
ZATU634 1× IV: 1u	o0981551	UNP ZATU634	F2492						
ZATU635 12B1A 3× IV: 3p; III: 3p	o0981552	PC25 ZATU635	12B1A			12B1A			
ZATU636 12B1B 5× IV: 3p; III: 3p/2u	o0981553	PC25 ZATU636	1 F21DF 12B1B		F21DF				
ZATU637 12B1C 2× IV: 1p; III: 2p	o0981554	PC25 ZATU637	12B1C			12B1C			
ZATU639 12B1D 7× IV: 4p/1u; III: 6p	o0981555	PC25 ZATU639	12B1D			12B1D			
ZATU640 1× IV: 1p; III: 1p	o0981556	PC25-bk ZATU640	F2493			F2493			
ZATU641 12B1E 1× IV: 1p; III: 1p	o0981557	PC25 ZATU641	12B1E			12B1E			
ZATU642 12B1F 2× IV: 2p; III: 2p	o0981558	PC25 ZATU642	12B1F			12B1F			
ZATU643 12B20 2× IV: 1p/1u	o0981559	PC25 ZATU643	12B20						
ZATU644~a 12B21 57× IV: 8p/3u; III: 48p/2u	o0981560	PC25 ZATU644	12B21			12B21	12B21		

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

|ZATU651×X| 2× III: 2p	o0981575	PC25-bk	F2496					
|ZATU651×ZAR~c| 12B2D 1× IV: 1p	o0981576	PC25	12B2D					
ZATU651@g 12B2E 15× IV: 1p; III: 9p/5u	o0981577	PC25 ZATU658	12B2E		12B2E	12B2E	12B2E	
ZATU659 12B2F 131× IV: 14p/6u; III: 78p/37u	o0981578	PC25 ZATU659	12B2F		12B2F	12B2F	12B2F	12B2F
|ZATU659×1(N01)| 12B30 20× III: 20p	o0981579	PC25	12B30			12B30	12B30	12B30
|ZATU659×1(N14)| 12B31 1× IV: 1p; III: 1p	o0981580	PC25 ZATU661	12B31			12B31		
|ZATU659×1(N58@t)| 12B32 AKA: |ZATU659×1(N58)@t| CDLI: |ZATU659×1(N58)@t| 1× III: 1p	o0981581	PC25 ZATU660	12B32		12B32			
ZATU659@t 1×	o0981582	UNP	F2541					
ZATU662 12B33 27× IV: 4p/6u; III: 19p/1u	o0981583	PC25 ZATU662	1 F21E4 2 F21E5 12B33 3 F21E6		F21E5	F21E4 F21E5 12B33	12B33	
|ZATU662×1(N14)| 12B34 11× IV: 4p/1u; III: 9p	o0981584	PC25 ZATU663	12B34 1 F21E7 2 F21E8		F21E8	F21E7		
ZATU664 12B35 2× IV: 1p; III: 1p	o0981585	PC25 ZATU664	12B35			12B35		
ZATU665 12B36 1× IV: 1p; III: 1p	o0981586	PC25 ZATU665	12B36			12B36		
ZATU666 12B37 1× IV: 1p	o0981587	PC25 ZATU666	12B37					

ZATU667 12B38 1× IV: 1p; III: 1p	o0981588	PC25 ZATU667	12B38			12B38			
ZATU668 12B39 1× IV: 1p	o0981589	PC25 ZATU668	12B39			12B39			
ZATU669 12B3A 6× III: 3p/3u	o0981590	PC25 ZATU669	12B3A						
ZATU670 1× IV: 1p; III: 1p	o0981591	PC25-bk ZATU670	F2498			F2498			
ZATU672 12B3B 3× IV: 3p; III: 2p	o0981592	PC25 ZATU672	12B3B			12B3B			
ZATU674 12B3C 1× IV: 1p	o0981593	PC25 ZATU674	12B3C						
ZATU675~a 12B3D 1× IV: 1p; III: 1p	o0981594	PC25 ZATU675	12B3D			12B3D			
ZATU675~b 12B3E 4× IV: 2p; III: 4p	o0981595	PC25 ZATU675	1 F21E9 12B3E			12B3E			
ZATU675~c 12B3F 2× IV: 2p; III: 1p	o0981596	PC25 ZATU675	12B3F			12B3F			
ZATU675~d 12B40 2× III: 2p	o0981597	PC25 ZATU675	12B40						
ZATU676~a 12B41 8× III: 6p/2u	o0981598	PC25 ZATU676	12B41						
ZATU676~b 12B42 7× III: 7p	o0981599	PC25 ZATU676	12B42						
ZATU677~a 12B43 1× IV: 1p; III: 1p	o0981600	PC25 ZATU677	12B43			12B43			
ZATU677~b 12B44 1× IV: 1p; III: 1p	o0981601	PC25 ZATU677	12B44			12B44			
ZATU678 12B45 5× IV: 4p	o0981602	PC25 ZATU678	12B45			12B45			
ZATU679 12B46 8× IV: 4p/2u; III: 4p	o0981603	PC25 ZATU679	12B46		12B46	12B46			
ZATU680~a1 12B47 1× IV: 1p	o0981604	PC25 ZATU680	12B47						
ZATU680~a2 12B48 1× IV: 1p	o0981605	PC25 ZATU680	12B48						

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

ZATU690 12B59 2× IV: 1p/1u; III: 1p	o0981623	PC25 ZATU690	12B59			12B59			
ZATU691 12B5A 1× IV: 1p	o0981624	PC25 ZATU691	12B5A						
ZATU692 12B5B 1× IV: 1p; III: 1p	o0981625	PC25 ZATU692	12B5B			12B5B			
ZATU693 12B5C 31× IV: 29p/1u; III: 25p	o0981626	PC25 ZATU693	12B5C 1 F21EB 2 F21EC		12B5C	12B5C F21EB F21EC			
ZATU693@t 12B5D 1× IV: 1p; III: 1p	o0981627	PC25	12B5D 1 F21ED			12B5D			F21ED
ZATU694~a 12B5E 3× IV: 3p; III: 1p	o0981628	PC25 ZATU694	12B5E			12B5E			
ZATU694~b 12B5F 10× IV: 9p; III: 3p	o0981629	PC25 ZATU694	12B5F			12B5F			
ZATU694~c 12B60 74× IV: 2p; III: 19p/53u	o0981630	PC25 ZATU694	12B60 1 F21EE		12B60		12B60	12B60	
ZATU694~d 12B61 16× IV: 14p; III: 5p	o0981631	PC25 ZATU694	12B61			12B61			
ZATU694~d@t 12B62 2× IV: 2p	o0981632	PC25	12B62			12B62			
ZATU694~e	o0981633	ZERO ZATU694	F2529						F2529
ZATU695 12B63 5× IV: 4p; III: 1u	o0981634	PC25 ZATU695	12B63						
ZATU696 12B64 5× IV: 1p; III: 5p	o0981635	PC25 ZATU696	12B64			12B64			

ZATU697~a 12B65 34× IV: 9p; III: 20p/12u	o0981636	PC25 ZATU697	1 F21EF 2 F21F0 3 F21F1 12B65 4 F21F2		12B65	F21EF F21F0 F21F1 12B65		F21F2	
ZATU697~b 12B66 7× IV: 3p/2u; III: 2p/1u	o0981637	PC25 ZATU697	12B66			12B66			
ZATU697~c 2× III: 2u	o0981638	UNP ZATU697	F249A						
ZATU699~a 1× IV: 1u	o0981639	UNP ZATU699	F249B						
ZATU699~b 12B67 1× IV: 1p	o0981640	PC25 ZATU699	12B67						
ZATU700 12B68 2× IV: 1p; III: 1p	o0981641	PC25 ZATU700	12B68			12B68			
ZATU701 12B69 1× IV: 1p	o0981642	PC25 ZATU701	12B69			12B69			
ZATU702 12B6A 3× IV: 1p; III: 3p	o0981643	PC25 ZATU702	12B6A			12B6A			
ZATU703 12B6B 21× IV: 3p; III: 18p/3u	o0981644	PC25 ZATU703	12B6B				12B6B		
ZATU704 3× IV: 2p; III: 1p	o0981645	PC25-bk ZATU704	F249C			F249C			
ZATU705 12B6C 1× IV: 1p; III: 1p	o0981646	PC25 ZATU705	12B6C			12B6C			
ZATU706 12B6D 2× IV: 2p	o0981647	PC25 ZATU706	12B6D						
ZATU707~a 12B6E 11× IV: 1u; III: 9p/1u	o0981648	PC25 ZATU707	12B6E		12B6E				
ZATU707~b 12B6F 2× IV: 2p	o0981649	PC25 ZATU707	12B6F						
ZATU708 12B70 2× IV: 1p; III: 2p	o0981650	PC25 ZATU708	12B70			12B70			

ZATU709 12B71 1× IV: 1p; III: 1p	o0981651	PC25 ZATU709	12B71			12B71			
ZATU710 12B72 52× III: 46p/5u	o0981652	PC25 ZATU710	12B72 1 F21F3 2 F21F4				F21F4	12B72	
ZATU711 12B73 6× IV: 3p; III: 2p/1u	o0981653	PC25 ZATU711	1 F21F5 12B73			F21F5			
|ZATU711×HI@g~a| 12B74 2× IV: 2p; III: 2p	o0981654	PC25 ZATU712	12B74			12B74			
|ZATU711×X| 1× IV: 1p; III: 1p	o0981655	PC25-bk	F249D			F249D			
ZATU713 12B75 7× IV: 7p	o0981656	PC25 ZATU713	12B75			12B75			
ZATU714 12B76 40× IV: 2p/1u; III: 29p/10u	o0981657	PC25 ZATU714	12B76		12B76	12B76	12B76	12B76	
|ZATU714.RU| 1× IV: 1p; III: 1p	o0981658	PC25-sq ZATU716	F228F			F228F			
|ZATU714×HI@g~a| 12B77 39× IV: 3p; III: 35p/3u	o0981659	PC25 ZATU715	12B77			12B77	12B77		
|ZATU714×X| 2× IV: 1p; III: 1u	o0981660	PC25-bk	F249E						
ZATU717 12B78 2× IV: 1p; III: 2p	o0981661	PC25 ZATU717	12B78			12B78			
ZATU718 12B79 16× IV: 1p; III: 10p/5u	o0981662	PC25 ZATU718	12B79		12B79	12B79			
ZATU719 12B7A 4× III: 1p/3u	o0981663	PC25 ZATU719	12B7A						
ZATU720 12B7B 20× IV: 19p/1u; III: 16p	o0981664	PC25 ZATU720	12B7B			12B7B			
ZATU721 12B7C 2× IV: 2p; III: 2p	o0981665	PC25 ZATU721	12B7C			12B7C			

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

ZATU735~b 12B8A 20× IV: 3p; III: 17p/3u	o0981681	PC25 ZATU735	1 F21FA 2 F21FB 12B8A		12B8A	F21FB	12B8A	
ZATU735~c 12B8B 1× III: 1p	o0981682	PC25 ZATU735	12B8B					12B8B
ZATU736~a 12B8C 2× IV: 1p; III: 1p	o0981683	PC25 ZATU736	12B8C			12B8C		12B8C
ZATU736~b 12B8D 1× IV: 1p; III: 1p	o0981684	PC25 ZATU736	12B8D		12B8D			
ZATU737 12B8E 4× IV: 1p; III: 3p/1u	o0981685	PC25 ZATU737	12B8E 1 F21FC 2 F21FD		12B8E	12B8E		
|ZATU737×AB~a| 12B8F 1× III: 1p	o0981686	PC25 ZATU738	12B8F					
|ZATU737×BU~a| 12B90 1× III: 1p	o0981687	PC25	12B90					
|ZATU737×BUR~a| 12B91 AKA: GABURRA 15× IV: 1p; III: 14p	o0981688	PC25 ZATU185	12B91 1 F21FE		F21FE (o)		12B91 (o)	12B91 (o)
|ZATU737×DI| 12B92 26× IV: 1p; III: 23p/1u	o0981689	PC25 ZATU739	1 F2202 12B92		12B92	F2202		
|ZATU737×E~a| 1× III: 1u	o0981690	UNP	F24A1					
|ZATU737×EN~a| 12B93 1× IV: 1p	o0981691	PC25 ZATU740	12B93			12B93		
|ZATU737×EN~b| 12B94 1× IV: 1p	o0981692	PC25 ZATU740	12B94			12B94		
|ZATU737×GAR| 12B95 AKA: ZATU741 5× IV: 2u; III: 3p	o0981693	PC25 ZATU741	12B95 1 F21FF 2 F2200		F2200			

|ZATU737×I| 1× III: 1u	o0981694	UNP	F251B						
|ZATU737×NI~a@g| 12B96 1× III: 1p	o0981695	PC25	12B96 1 F2201		F2201				
|ZATU737×NIMGIR| 12B97 2× IV: 1p; III: 1p	o0981696	PC25 ZATU742	12B97			12B97			
|ZATU737×SAL| 12B98 33× IV: 1p/1u; III: 18p/13u	o0981697	PC25 ZATU743	12B98		12B98				
|ZATU737×SU~a| 12B99 2× IV: 1p; III: 1p	o0981698	PC25 ZATU744	12B99					12B99	
|ZATU737×ŠE~a| 12B9A 1× IV: 1p; III: 1p	o0981699	PC25 ZATU745	12B9A			12B9A			
|ZATU737×ŠITA~a1| 12B9B 1× IV: 1p	o0981700	PC25	12B9B						
|ZATU737×ŠITA~b1@g| CDLI: |ZATU737×ŠITA@g~a|	o0981701	EDI ZATU746	F2517						
|ZATU737×U_4| 12B9C 11× III: 9p/2u	o0981702	PC25 ZATU747	12B9C		12B9C				
|ZATU737×UNUG~a| 12B9D 1× IV: 1p; III: 1p	o0981703	PC25 ZATU748	12B9D			12B9D			
|ZATU737×X| 14× III: 12p/2u	o0981704	PC25-bk	F24A2		F24A2				
|ZATU737@t×PAP~a| 1×	o0981705	UNP	F251A						
ZATU749~a 12B9E 13× IV: 1p; III: 7p/5u	o0981706	PC25 ZATU749	12B9E 1 F2203 2 F2204						
ZATU749~b 12B9F 19× IV: 1p/1u; III: 10p/9u	o0981707	PC25 ZATU749	12B9F				12B9F		
ZATU749~c 12BA0 13× IV: 1p; III: 11p/1u	o0981708	PC25 ZATU749	12BA0						

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

ZATU757 12BAB 5× IV: 1u; III: 3p/2u	o0981719	PC25 ZATU757	1 F220E 12BAB 2 F220F					F220F
ZATU758 12BAC 26× IV: 18p/1u; III: 16p/1u	o0981720	PC25 ZATU758	12BAC		12BAC	12BAC		
ZATU759 12BAD 47× IV: 8p/2u; III: 31p/8u	o0981721	PC25 ZATU759	1 F2210 12BAD			F2210 12BAD	12BAD	12BAD
|ZATU759×KU$_6$~a| 12BAE 32× IV: 9p/1u; III: 22p/6u	o0981722	PC25 ZATU760	12BAE		(o) 12BAE			12BAE
|ZATU759×(KU$_6$~a+KU$_6$~a)| 12BAF 1× III: 1p	o0981723	PC25	12BAF					
|ZATU759×KU$_6$~d| 1× IV: 1u; III: 1p	o0981724	UNP ZATU760	F24A3					
|ZATU759×X| 2× IV: 1p; III: 2p	o0981725	PC25-bk	F24A4					
|ZATU759@t×X| 1× III: 1p	o0981726	PC25-bk	F24A5					
ZATU761 1× III: 1u	o0981727	UNP ZATU761	F24A6					
ZATU762~a 12BB0 7× IV: 2p/2u; III: 5p	o0981728	PC25 ZATU762	1 F2211 2 F2212 12BB0			12BB0		
|ZATU762~a×NIM~a| 12BB1 2× IV: 1p/1u; III: 1p	o0981729	PC25 ZATU763	12BB1			12BB1		
ZATU762~b 12BB2 5× IV: 3p/1u; III: 3p	o0981730	PC25 ZATU762	12BB2			12BB2		
|ZATU762~b×AB~a| 12BB3 1× III: 1p	o0981731	PC25 ZATU163	12BB3			12BB3		
ZATU764 12BB4 21× IV: 4p/2u; III: 13p/3u	o0981732	PC25 ZATU764	12BB4			12BB4		

ZATU765 12BB5 1× IV: 1p	o0981733	PC25 ZATU765	12BB5			12BB5			
ZATU766 12BB6 1× IV: 1p; III: 1p	o0981734	PC25 ZATU766	12BB6		12BB6				
ZATU767 12BB7 1× IV: 1p; III: 1p	o0981735	PC25 ZATU767	12BB7			12BB7			
ZATU768 1× IV: 1p	o0981736	PC25-bk ZATU768	F24A7			F24A7			
ZATU769 1× III: 1p	o0981737	PC25-bk ZATU769	F24A8			F24A8			
ZATU771 1× IV: 1p	o0981738	PC25-bk ZATU771	F24A9			F24A9			
ZATU772 12BB8 1× III: 1p	o0981739	PC25 ZATU772	12BB8						
ZATU773~a 12BB9 50× IV: 1u; III: 39p/10u	o0981740	PC25 ZATU773	12BB9 1 F2213				12BB9	12BB9	
ZATU773~b 12BBA 8× IV: 1p; III: 2p/3u	o0981741	PC25 ZATU773	12BBA 1 F2214					F2214	
ZATU774 12BBB 1× III: 1p	o0981742	PC25 ZATU774	12BBB						
ZATU775 12BBC 1× III: 1p	o0981743	PC25 ZATU775	12BBC						
ZATU776 12BBD 20× IV: 3p; III: 13p/4u	o0981744	PC25 ZATU776	12BBD 1 F2215 2 F2216				F2216	12BBD	
ZATU777 12BBE 18× III: 15p/3u	o0981745	PC25 ZATU777	12BBE 1 F2217 2 F2218		F2217			F2217	
ZATU778 12BBF 4× III: 2p/2u	o0981746	PC25 ZATU778	12BBF						
ZATU779	o0981747	ZERO ZATU779	F24AA						

ZATU780 12BC0 2× IV: 2p; III: 1p	o0981748	PC25 ZATU780	12BC0					
ZATU781 12BC1 1× III: 1p	o0981749	PC25 ZATU781	12BC1					
ZATU782 12BC2 3× III: 3p	o0981750	PC25 ZATU782	12BC2					
ZATU783 12BC3 2× III: 1p/1u	o0981751	PC25 ZATU783	12BC3					
ZATU784 12BC4 1× III: 1p	o0981752	PC25 ZATU784	12BC4					
ZATU785 1× III: 1p	o0981753	PC25-bk ZATU785	F24AB					
ZATU786 12BC5 9× IV: 1u; III: 5p/3u	o0981754	PC25 ZATU786	12BC5		12BC5			
ZATU787 12BC6 1× III: 1p	o0981755	PC25 ZATU787	12BC6				12BC6	
ZATU788 12BC7 27× III: 27p	o0981756	PC25 ZATU788	12BC7				12BC7	
ZATU789	o0981757	ZERO ZATU789	F24AC					
ZATU791 12BC8 2× IV: 1u; III: 1p	o0981758	PC25 ZATU791	12BC8					
ZATU792 12BC9 1× III: 1p	o0981759	PC25 ZATU792	12BC9					
ZATU795 12BCA 23× III: 6p/17u	o0981760	PC25 ZATU795	12BCA					
ZATU797 12BCB 2× III: 1p/1u	o0981761	PC25 ZATU797	12BCB			12BCB		
ZATU798 12BCC 1× III: 1p	o0981762	PC25 ZATU798	12BCC			12BCC		
ZATU799 12BCD 3× III: 1p/2u	o0981763	PC25 ZATU799	12BCD			12BCD		
ZATU800 12BCE 2× III: 2p	o0981764	PC25 ZATU800	12BCE			12BCE		
ZATU801 12BCF 4× III: 4p	o0981765	PC25 ZATU801	12BCF					

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

ZATU820 1× III: 1u	o0981784	UNP ZATU820	F24B2						
ZATU821 7× III: 7u	o0981785	UNP ZATU821	F24B3						
ZATU822 1× III: 1u	o0981786	UNP ZATU822	F24B4						
ZATU823 3× III: 3u	o0981787	UNP ZATU823	F24B5						
ZATU824 2× III: 2u	o0981788	UNP ZATU824	F24B6						
ZATU825 2× III: 2u	o0981789	UNP ZATU825	F24B7						
ZATU826 2× III: 2u	o0981790	UNP ZATU826	F24B8						
ZATU829 1× III: 1u	o0981791	UNP ZATU829	F24B9						
ZATU831 2× III: 2u	o0981792	UNP ZATU831	F24BA						
ZATU831@g CDLI: |ZATU831@g| 2× III: 2u	o0981793	UNP	F24BB						
ZATU832 12BDD 3× III: 1p/2u	o0981794	PC25 ZATU832	12BDD						
ZATU833 12BDE 1× IV: 1p; III: 1p	o0981795	PC25 ZATU833	12BDE						
ZATU834 12BDF 1× IV: 1p	o0981796	PC25 ZATU834	12BDF						
ZATU835 12BE0 1× III: 1p	o0981797	PC25 ZATU835	12BE0						
ZATU836 12BE1 2× III: 1p/1u	o0981798	PC25 ZATU836	12BE1						
ZATU837~a 3× III: 3u	o0981799	UNP ZATU837	F24BC						
ZATU837~b 1× III: 1u	o0981800	UNP ZATU837	F24BD						
ZATU838 3× III: 3u	o0981801	UNP ZATU838	F24BE						
ZATU839 6× III: 6u	o0981802	UNP ZATU839	F2219 1 F221A						

ZATU840 1× III: 1u	o0981803	UNP ZATU840	F24BF							
ZATU841 2× III: 2u	o0981804	UNP ZATU841	F24C0							
ZATU842 1×	o0981805	UNP ZATU842	F24C1							
ZATU843 1× III: 1u	o0981806	UNP ZATU843	F24C2							
ZATU844 1× IV: 1u	o0981807	UNP ZATU844	F24C3							
ZATU845 1× III: 1u	o0981808	UNP ZATU845	F24C4							
ZATU846 1× III: 1u	o0981809	UNP ZATU846	F24C5							
ZATU847 12BE2 6× III: 2p/4u	o0981810	PC25 ZATU847	12BE2							
ZATU848 1× III: 1u	o0981811	UNP ZATU848	F24C6							
ZATU849 2× III: 2u	o0981812	UNP ZATU849	F24C7							
ZATU850 12BE3 4× III: 4p	o0981813	PC25 ZATU850	12BE3							
ZATU851 12BE4 1× III: 1p	o0981814	PC25 ZATU851	12BE4 1 F221B							F221B
ZATU852 1× III: 1u	o0981815	UNP ZATU852	F24C8							
ZATU853 3× III: 3u	o0981816	UNP ZATU853	F24C9							
ZATU854 12BE5 1× III: 1p	o0981817	PC25 ZATU854	12BE5							
ZATU855 1× III: 1u	o0981818	UNP ZATU855	F24CA							
ZATU856 1× III: 1u	o0981819	UNP ZATU856	F2522							
ZATU857 1× III: 1u	o0981820	UNP ZATU857	F2524							
ZATU858 12BE6 1× III: 1p	o0981821	PC25 ZATU858	12BE6							

ZATU859 12BE7 1× III: 1p	o0981822	PC25 ZATU859	12BE7						12BE7
2(LAGAB~a) 12BE8 4× III: 4p	o0981823	PC25	12BE8						
3(LAGAB~a) 12BE9 1× III: 1p	o0981824	PC25	12BE9						
4(LAGAB~a) 12BEA 2× III: 2p	o0981825	PC25	12BEA						
5(LAGAB~a)	o0981826	NUM	F2543						
6(LAGAB~a) 12BEB 1× III: 1p	o0981827	PC25	12BEB						
1(N01) 12971× IV: 1467p/317u; III: 9623p/2277u	o0981828	ACN	12550						
2(N01) 3138× IV: 608p/168u; III: 1846p/763u	o0981829	ACN	12551 1 F2000						
3(N01) 1630× IV: 340p/78u; III: 904p/438u	o0981830	ACN	12552 1 F2001						
4(N01) 1151× IV: 240p/65u; III: 655p/269u	o0981831	ACN	12553						
5(N01) 1326× IV: 263p/66u; III: 815p/267u	o0981832	ACN	12554 1 F2002						
6(N01) 597× IV: 134p/42u; III: 328p/146u	o0981833	ACN	12555 1 F2003						
7(N01) 379× IV: 86p/22u; III: 204p/98u	o0981834	ACN	12556 1 F2004						
8(N01) 364× IV: 66p/29u; III: 217p/80u	o0981835	ACN	12557 1 F2005						
9(N01) 247× IV: 57p/15u; III: 127p/62u	o0981836	ACN	12558 1 F2006						
10(N01) 2× III: 2p	o0981837	PC25	F00DA						

1(N01@f) 11× IV: 1p; III: 11p	o0981838	ACN	1264C						
2(N01@f) 3× III: 3p	o0981839	ACN	1264D 1 F205C						
3(N01@f) 1×	o0981840	ACN	1264E 1 F205D						
4(N01@f) 1×	o0981841	ACN	1264F						
5(N01@f) 1× III: 1p	o0981842	ACN	12650 1 F205E						
6(N01@f) 1× IV: 1u	o0981843	ACN	12651 1 F205F						
7(N01@f)	o0981844	ACN	12652 1 F2060						
8(N01@f) 1×	o0981845	ACN	12653 1 F2061						
9(N01@f)	o0981846	ACN	12654 1 F2062						
1(N01@r) CDLI: |1(N01@r)| 2× IV: 1p; III: 1p	o0981847	ACN	12589						
1(N02) 165× IV: 45p/10u; III: 99p/38u	o0981848 ZATU606	ACN	125BE						
2(N02) 99× IV: 28p/20u; III: 49p/10u	o0981849	ACN	125BF 1 F2029						
3(N02) 44× IV: 16p/1u; III: 21p/9u	o0981850	ACN	125C0 1 F202A						
4(N02) 30× IV: 3p/4u; III: 22p/1u	o0981851	ACN	125C1						

5(N02) 24× IV: 8p/1u; III: 7p/9u	o0981852	ACN	125C2 1 F202B						
6(N02) 15× IV: 3p/1u; III: 12p/1u	o0981853	ACN	125C3 1 F202C						
7(N02) 5× IV: 2p/1u; III: 2p	o0981854	ACN	125C4 1 F202D						
8(N02) 5× IV: 3p; III: 4p	o0981855	ACN	125C5 1 F202E						
9(N02) 5× IV: 2p/1u; III: 2p/1u	o0981856	ACN	125C6 1 F202F						
1(N03) 68× IV: 2p/1u; III: 63p/2u	o0981857	ACN	125EF						
2(N03) 40× IV: 2p; III: 36p/2u	o0981858	ACN	125F0 1 F2036						
3(N03) 34× IV: 1p; III: 32p/1u	o0981859	ACN	125F1 1 F2037						
4(N03) 19× IV: 1p; III: 17p/2u	o0981860	ACN	125F2						
5(N03) 8× III: 8p	o0981861	ACN	125F3 1 F2038						
1(N04) 145× IV: 2p/1u; III: 120p/22u	o0981862	ACN ZATU618	12606						
2(N04) 66× IV: 2p; III: 64p/1u	o0981863	ACN	12607 1 F203E						
3(N04) 58× IV: 1p/1u; III: 52p/4u	o0981864	ACN	12608 1 F203F						
4(N04) 36× IV: 1p; III: 32p/2u	o0981865	ACN	12609						

5(N04) 26× IV: 1u; III: 22p/3u	o0981866	ACN	1260A 1 F2040						
1(N04@f)	o0981867	ACN	12676						
2(N04@f)	o0981868	ACN	12677 1 F2073						
3(N04@f)	o0981869	ACN	12678						
4(N04@f)	o0981870	ACN	12679						
5(N04@f)	o0981871	ACN	1267A 1 F2074						
1(N05) 104× IV: 10p/1u; III: 79p/11u	o0981872	ACN	12631						
2(N05) 62× IV: 7p/1u; III: 49p/6u	o0981873	ACN	12632 1 F2052						
3(N05) 42× IV: 4p; III: 32p/8u	o0981874	ACN	12633 1 F2053						
4(N05) 41× IV: 3p; III: 35p/5u	o0981875	ACN	12634						
5(N05) 29× IV: 2p; III: 22p/6u	o0981876	ACN	12635 1 F2054						
1(N06) 10× III: 6p/4u	o0981877	ACN	125D1						
2(N06)	o0981878	ACN	125D2						
3(N06)	o0981879	ACN	125D3						
4(N06)	o0981880	ACN	125D4						
5(N06)	o0981881	ACN	125D5						
6(N06)	o0981882	ACN	125D6						

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

2(N08~b) 4× III: 1p/3u	o0981902	PC25	F00F6						
3(N08~b) 1× III: 1u	o0981903	NUM	F00F7						
4(N08~b) 1× III: 1u	o0981904	NUM	F00F8						
4(N08~c) 1× III: 1u	o0981905	NUM	F00F9						
1(N08~v) 1× III: 1u	o0982197	NUM	F00FA						
1(N08@f)	o0981907	ACN	12655						
|1(N08@f)×1(N57)|	o0981908	NUM	F012C						
1(N09) 18× IV: 18p; III: 18p	o0981909	ACN	12643						
1(N11) 4× IV: 4p; III: 4p	o0981910	ACN	12644						
1(N12) 1× IV: 1p; III: 1p	o0981911	ACN	12645						
1(N14) 2594× IV: 478p/187u; III: 1617p/491u	o0981912	ACN ZATU564	12562						
2(N14) 1375× IV: 276p/91u; III: 812p/293u	o0981913	ACN	12563						
3(N14) 807× IV: 147p/50u; III: 500p/151u	o0981914	ACN	12564						
4(N14) 530× IV: 105p/29u; III: 321p/113u	o0981915	ACN	12565						
5(N14) 386× IV: 32p/19u; III: 243p/77u	o0981916	ACN	12566 1 F2008						
6(N14) 100× IV: 12p/3u; III: 65p/21u	o0981917	ACN	12567 1 F2009						
7(N14) 79× IV: 5p; III: 56p/17u	o0981918	ACN	12568 1 F200A						
8(N14) 72× IV: 5p; III: 63p/4u	o0981919	ACN	12569 1 F200B						

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

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

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

8(N19@f)	o0981967	ACN	12682 1 F2078					
9(N19@f)	o0981968	ACN	12683 1 F2079					
1(N20) 62× IV: 11p; III: 52p/5u	o0981969	ACN	12636					
2(N20) 50× IV: 7p/1u; III: 34p/13u	o0981970	ACN	12637					
3(N20) 24× IV: 4p; III: 18p/3u	o0981971	ACN	12638					
4(N20) 17× IV: 2p; III: 11p/4u	o0981972	ACN	12639					
5(N20) 12× IV: 1p; III: 5p/6u	o0981973	ACN	1263A 1 F2055					
6(N20) 9× III: 8p/1u	o0981974	ACN	1263B 1 F2056					
7(N20) 4× IV: 1p; III: 4p	o0981975	ACN	1263C 1 F2057					
8(N20) 6× III: 4p/2u	o0981976	ACN	1263D 1 F2058					
9(N20) 5× IV: 1p; III: 4p	o0981977	ACN	1263E 1 F2059					
1(N21)	o0981978	ACN	125DA					
2(N21) 5× III: 5p	o0981979	ACN	125DB					
3(N21) 9× III: 8p/1u	o0981980	ACN	125DC					
4(N21) 4× III: 4p	o0981981	ACN	125DD					

5(N21) 2× III: 2p	o0981982	ACN	125DE 1 F2033					
6(N21) 1× IV: 1p	o0981983	PC25	F00E0					
1(N22) 89× IV: 4p; III: 45p/41u	o0981984	ACN	1258C					
2(N22) 56× IV: 2p; III: 31p/23u	o0981985	ACN	1258D					
1(N22~v) 1× III: 1p	o0981986	PC25	F00FD					
1(N22@f)	o0981987	ACN	1266A					
2(N22@f)	o0981988	ACN	1266B					
1(N23) 2× III: 1p/1u	o0981989	Pelm	F00FE					
2(N23) 1× III: 1p	o0981990	Pelm	F00FF					
3(N23) 1× III: 1p	o0981991	Pelm	F0100					
5(N23) 1× IV: 1p	o0981992	Pelm	F0101					
7(N23) 1× III: 1p	o0981993	Pelm	F0102					
1(N24) AKA: 1(N24′) 1(N24″) 357× IV: 28p/11u; III: 297p/33u	o0981994	ACN	125AA					
2(N24)	o0981995	NUM	F0103					
4(N24)	o0981996	NUM	F0104					
6(N24) 1× IV: 1u; III: 1p	o0981997	NUM	F0105					
1(N24@f) 2× III: 2p	o0981998	PC25	F0106					
1(N24A) AKA: 1(N24~a) 28× III: 28p	o0981999	ACN	125EA					
1(N24B) AKA: 1(N24~b) 18× III: 15p/3u	o0982000	ACN	125FE					

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

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

8(N34)

24× IV: 7p/4u; III: 9p/10u o0982034

ACN

9(N34)

14× IV: 4p/1u; III: 12p/1u o0982035

ACN

1(N34@f)

1× IV: 1p; III: 1p o0982036

ACN

2(N34@f)

o0982037

ACN

3(N34@f)

o0982038

ACN

4(N34@f)

o0982039

ACN

5(N34@f)

o0982040

ACN

6(N34@f)

o0982041

ACN

7(N34@f)

1× IV: 1p; III: 1p o0982042

ACN

8(N34@f)

o0982043

ACN

9(N34@f)

o0982044

AC

1(N34@f@t)

CDLI: |1(N34@f@t)|

o0982045

ACN

1(N35)

5× IV: 2p; III: 3p/1u o0982046

ACN

2(N35)

1× III: 1p o0982047

ACN

3(N35)	o0982048	ACN	125CE					
4(N35)	o0982049	ACN	125CF					
5(N35) 1× III: 1p	o0982050	ACN	125D0 1 F2032					
1(N36) 43× IV: 4p; III: 33p/9u	o0982051	ACN	12616					
2(N36) 10× IV: 4p; III: 8p/1u	o0982052	ACN	12617 1 F2048					
3(N36) 7× IV: 1p; III: 5p/2u	o0982053	ACN	12618 1 F2049					
4(N36) 3× IV: 1p; III: 2p	o0982054	ACN	12619					
5(N36) 1× IV: 1p; III: 1p	o0982055	ACN	1261A 1 F204A					
6(N36) 2× III: 2u	o0982056	ACN	1261B 1 F204B					
7(N36)	o0982057	ACN	1261C 1 F204C					
8(N36)	o0982058	ACN	1261D 1 F204D					
9(N36) 2× III: 2p	o0982059	ACN	1261E 1 F204E					
1(N36@f)	o0982060	ACN	12686					
1(N37) 6× IV: 1u; III: 4p/1u	o0982061	ACN	12641					

2(N37) 1× III: 1p	o0982062	ACN	12642 1 F205B					
1(N38) 30× IV: 4p/1u; III: 27p/1u	o0982063	ACN	125DF					
1(N39A) AKA: 1(N39~a) 211× IV: 7p/4u; III: 181p/18u	o0982064	ACN	125B6					
2(N39A) AKA: 2(N39~a) 189× IV: 2p; III: 170p/17u	o0982065	ACN	125B7					
3(N39A) AKA: 3(N39~a) 89× IV: 2p/1u; III: 77p/10u	o0982066	ACN	125B8					
4(N39A) AKA: 4(N39~a) 55× III: 53p/2u	o0982067	ACN	125B9					
1(N39B) AKA: 1(N39~b) 14× IV: 9p/4u; III: 8p	o0982068	ACN	125BA					
2(N39B) AKA: 2(N39~b) 11× IV: 5p/3u; III: 3p	o0982069	ACN	125BB					
3(N39B) AKA: 3(N39~b) 5× IV: 3p/1u; III: 2p	o0982070	ACN	125BC					
4(N39B) AKA: 4(N39~b) 8× IV: 4p/1u; III: 1p	o0982071	ACN	125BD					
1(N40) 40× III: 39p/1u	o0982072	ACN	125EB					
2(N40) 36× IV: 1p; III: 35p	o0982073	ACN	125EC					
3(N40) 27× III: 26p	o0982074	ACN	125ED					
4(N40) 16× III: 16p	o0982075	ACN	125EE					
1(N41) 24× IV: 1p; III: 24p	o0982076	ACN	12602					
2(N41) 27× III: 27p	o0982077	ACN	12603					
3(N41) 20× III: 20p	o0982078	ACN	12604					
4(N41) 17× III: 16p/1u	o0982079	ACN	12605					

1(N42A) AKA: 1(N42~a) 130× IV: 2p/1u; III: 117p/12u	o0982080	ACN	12629					
2(N42A) AKA: 2(N42~a) 89× IV: 1p; III: 78p/6u	o0982081	ACN	1262A					
3(N42A) AKA: 3(N42~a) 52× IV: 1p; III: 40p/12u	o0982082	ACN	1262B					
4(N42A) AKA: 4(N42~a) 25× IV: 5p; III: 21p/2u	o0982083	ACN	1262C					
1(N42B)	o0982084	ACN	1262D					
2(N42B) AKA: 2(N42~b) 3× IV: 3p; III: 1p	o0982085	ACN	1262E					
3(N42B)	o0982086	ACN	1262F					
4(N42B)	o0982087	ACN	12630					
1(N43) 3× III: 2p/1u	o0982088	PC25	F010D					
4(N43) 1× III: 1p	o0982089	PC25	F010E					
1(N44) 1× IV: 1p	o0982090	PC25	F00E1					
1(N45) 323× IV: 25p/5u; III: 226p/60u	o0982091	ACN	12579					
2(N45) 137× IV: 8p/3u; III: 92p/32u	o0982092	ACN	1257A 1 F2017					
3(N45) 13× IV: 2p; III: 7p/4u	o0982093	ACN	1257B					
4(N45) 4× III: 4u	o0982094	ACN	1257C					
5(N45) 6× III: 3p/3u	o0982095	ACN	1257D 1 F2018					
6(N45) 4× III: 3p/1u	o0982096	ACN	1257E 1 F2019					

7(N45) 2× III: 2u	o0982097	ACN	1257F 1 F201A						
8(N45)	o0982098	ACN	12580						
9(N45) 1× III: 1p	o0982099	ACN	12581 1 F201B						
1(N45@f)	o0982100	ACN	12668						
2(N45@f)	o0982101	ACN	12669						
3(N45@f)	o0982102	OOR	F00E2						
4(N45@f)	o0982103	OOR	F00E3						
5(N45@f)	o0982104	OOR	F00E4						
6(N45@f)	o0982105	OOR	F00E5						
7(N45@f)	o0982106	OOR	F00E6						
8(N45@f)	o0982107	OOR	F00E7						
9(N45@f)	o0982108	OOR	F00E8						
1(N45A) AKA: 1(N45~a) 1× III: 1p	o0982109	ACN	125FD						
1(N46) 99× IV: 5p; III: 76p/22u	o0982110	ACN	12614						
2(N46) 40× IV: 2p; III: 34p/6u	o0982111	ACN	12615 1 F2047						
3(N46) 1× III: 1p	o0982112	PC25	F00E9						
1(N46@f)	o0982113	ACN	12684						

2(N46@f) o0982114	ACN	12685						
1(N47) 15× IV: 4p/1u; III: 11p o0982115	ACN	1263F						
2(N47) 11× IV: 2p; III: 8p/1u o0982116	ACN	12640 1 F205A						
3(N47) 1× IV: 1u o0982117	OOR	F00EA						
1(N48) 105× IV: 33p/9u; III: 54p/20u o0982118	ACN	12574						
2(N48) 45× IV: 11p/10u; III: 23p/4u o0982119	ACN	12575 1 F2014						
3(N48) 17× IV: 3p/1u; III: 10p/5u o0982120	ACN	12576 1 F2015						
4(N48) 13× IV: 2u; III: 7p/4u o0982121	ACN	12577						
5(N48) 4× IV: 3u; III: 1u o0982122	ACN	12578 1 F2016						
6(N48) 2× IV: 2u o0982123	OOR	F00EB						
7(N48) 1× IV: 1u o0982124	OOR	F00EC						
1(N48@f) o0982125	NUM	F010F						
1(N49) 8× IV: 1p; III: 6p/1u o0982126	ACN	1261F						
2(N49) 3× IV: 1p; III: 2p/1u o0982127	ACN	12620 1 F204F						
3(N49) 4× IV: 1p; III: 4p o0982128	ACN	12621 1 F2050						
4(N49) 2× III: 1p/1u o0982129	ACN	12622						

5(N49)	o0982130	OOR	F00ED					
1(N50) 82× IV: 1u; III: 42p/36u	o0982131	ACN	12582					
2(N50) 35× IV: 3p/1u; III: 19p/13u	o0982132	ACN	12583 1 F201C					
3(N50) 22× IV: 1p; III: 16p/6u	o0982133	ACN	12584					
4(N50) 23× IV: 1p; III: 15p/8u	o0982134	ACN	12585					
5(N50) 9× III: 5p/3u	o0982135	ACN	12586 1 F201D					
1(N51) 107× IV: 34p/14u; III: 51p/15u	o0982136	ACN	1259A					
2(N51) 46× IV: 10p/7u; III: 23p/8u	o0982137	ACN	1259B 1 F201E					
3(N51) 17× IV: 5p/2u; III: 10p/2u	o0982138	ACN	1259C					
4(N51) 11× IV: 2p; III: 6p/4u	o0982139	ACN	1259D					
5(N51) 18× IV: 2p/2u; III: 9p/6u	o0982140	ACN	1259E 1 F201F					
6(N51) 6× IV: 1u; III: 2p/3u	o0982141	ACN	1259F 1 F2020					
7(N51) 2× IV: 1p; III: 1p	o0982142	ACN	125A0 1 F2021					
8(N51) 2× IV: 1p; III: 2p	o0982143	ACN	125A1 1 F2022					

9(N51) o0982144	ACN	125A2						
1(N51@f) o0982145	ACN	1266C						
2(N51@f) o0982146	ACN	1266D 1 F206D						
3(N51@f) o0982147	ACN	1266E						
4(N51@f) o0982148	ACN	1266F						
5(N51@f) o0982149	ACN	12670 1 F206E						
6(N51@f) o0982150	ACN	12671 1 F206F						
7(N51@f) o0982151	ACN	12672 1 F2070						
8(N51@f) o0982152	ACN	12673 1 F2071						
9(N51@f) o0982153	ACN	12674 1 F2072						
1(N52) 27× IV: 1p/2u; III: 20p/4u o0982154	ACN	125E0						
2(N52) 10× III: 10p o0982155	ACN	125E1 1 F2034						
3(N52) 4× IV: 1p; III: 2p/1u o0982156	ACN	125E2						
4(N52) 2× IV: 1p; III: 1p o0982157	ACN	125E3						

5(N52) 1× IV: 1p; III: 1p	o0982158	ACN	125E4 1 F2035						
6(N52)	o0982159	ACN	125E5						
7(N52)	o0982160	ACN	125E6						
8(N52)	o0982161	ACN	125E7						
9(N52)	o0982162	ACN	125E8						
3(N53) 1× IV: 1p	o0982163	PC25	F00EE						
1(N54) 18× IV: 7p/1u; III: 4p/7u	o0982164	ACN	125A3						
2(N54) 4× IV: 3p; III: 3p	o0982165	ACN	125A4 1 F2023						
3(N54) 3× IV: 1p; III: 2p	o0982166	ACN	125A5						
4(N54)	o0982167	ACN	125A6						
5(N54) 3× III: 3p	o0982168	ACN	125A7 1 F2024						
1(N55) 1× IV: 1p	o0982169	PC25	F00EF						
1(N56)	o0982170	ACN	125A8						
2(N56) 1× III: 1p	o0982171	ACN	125A9 1 F2025						
1(N57) 12BEC AKA: AŠ 507× IV: 71p/19u; III: 296p/139u	o0982172	PC25 ZATU037	12BEC						
2(N57) 12BED 161× IV: 15p/2u; III: 116p/35u	o0982173	PC25 ZATU546	12BED 1 F2224						

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

12(N58) 12BFE 1× III: 1p	o0982190	PC25	12BFE						
1(N58@t) 12BFF AKA: 1(N58)@t CDLI: |1(N58@t)| 2× IV: 1p; III: 1p	o0982191	PC25	12BFF						
1(N59) 1× III: 1p	o0982192	PC25	F0124						
2(N59) 1× III: 1p	o0982193	PC25	F0125						
3(N59) 18× III: 11p/7u	o0982194	PC25	F0126						
4(N59) 3× III: 2p/1u	o0982195	PC25	F0127						
6(N59) 3× III: 3p	o0982196	PC25	F0128						
7(N59) 1× III: 1p	o0981906	PC25	F2536						
1(N60) 4× III: 4p	o0982198	ACN	125E9						
3(N61) 1× III: 1p	o0982199	PC25	F0129						
4(N62) 1× III: 1p	o0982200	PC25	F012A						
1(N63) 2× III: 2u	o0982201	NUM	F012B						
|1(N57).AB$_2$| 1× III: 1u	o0982202	UNP	F2290						
|2(N57).AB$_2$| 1× IV: 1p; III: 1p	o0982203	PC25-sq ZATU014	F2291			F2291			
|3(N57).AMAR| 2× III: 1p/1u	o0982204	PC25-sq	F2292						
|4(N57).AMAR| 1× III: 1p	o0982205	PC25-sq	F2293				F2293		
|3(N57).AZ| 3× III: 3p	o0982206	PC25-sq	12BEE						
|3(N57).BAR×UŠ~a|	o0982207	ZERO	F2294						F2294
|3(N57).BARA$_3$| 1× III: 1u	o0982208	UNP	F2295						
|2(N57).BIR$_3$~a| 1× III: 1p	o0982209	PC25-sq	F2296						F2296

|1(N57).BU$_3$| 1× III: 1p	o0982210	PC25-sq	12BEC						
|1(N57).E$_2$~a|	o0982211	ZERO	F2297						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: |×(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	F229A	
|6(N57).GAR| 4× III: 3p/1u	o0982218	PC25-sq	F229B				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	F22A5							
23× III: 20p/3u	o0982227	ZATU424								
|3(N57).NUNUZ~c|		PC25-sq	F22A6							
2× III: 1p/1u	o0982228	ZATU424								
|3(N57).PIRIG~b1|		PC25-sq	F22A7		F22A7	F22A7				
35× IV: 3p/1u; III: 25p/8u	o0982229	ZATU429								
|3(N57).SANGA~a|		PC25-sq	12BEE							
1× III: 1p	o0982230									
|3(N57).SI|		PC25-sq	12BEE							
2× III: 2p	o0982231									
|1(N57).SIG|		PC25-sq	F22A8							
AKA: |SIG×1(N57)| CDLI: |SIG×1(N57)| 1× IV: 1p	o0982232									
|2(N57).SU~a|		UNP	F22A9							
1× IV: 1u	o0982233									
|1(N57).ŠAH$_2$~a|		PC25-sq	F22AA		F22AA					
4× III: 4p	o0982234									
|1(N57).ŠUBUR|		PC25-sq	F221F 1 F2220		F2220	F221F F2220		F2220		
40× IV: 8p/1u; III: 27p/10u	o0982235	ZATU540								
|2(N57).ŠUBUR|		PC25-sq	F22AB		F22AB					
2× III: 2p	o0982236									
|3(N57).ŠUBUR|		PC25-sq	F22AC		F22AC					
3× III: 3p	o0982237	ZATU540								
|3(N57).UDU~a|		ZERO	F22AD							F22AD
	o0982238	ZATU577								
|2(N57).UDUNITA~a|		ZERO	F22AE							F22AE
	o0982239									
|3(N57).UDUNITA~a|		ZERO	F22AF							F22AF
	o0982240									

B ZATU-PCSL Concordance

ZATU001 A

ZATU002 |A×EN~a|

ZATU003 |A×ŠUBUR|

ZATU004 |A×1(N14)|

ZATU005 |A×ZATU672|

ZATU006 A$_2$

ZATU007 AB~a; AB~b

ZATU008 |AB~b×A|

ZATU009 |AB~a×AŠ$_2$|

ZATU010 |AB~a×ZATU659|

ZATU011 AB~a@g

ZATU012 AB$_2$

ZATU013 |AB$_2$×2(N14)|

ZATU014 |2(N57).AB$_2$|

ZATU014a ZATU gives |2(N57)+AB$_2$| and |3(N57)+AB$_2$|; Corpus has |3(N57).AB$_2$|/|4(N57).AB$_2$| in ATU 1, 610 = P005961 ii 5-6 read 3(N57) AB$_2$ 4(N57) AB$_2$ in CDLI.

ZATU015 ABGAL

ZATU016 ABRIG

ZATU017 ABZU

ZATU018 AD~a; AD~b; AD~c

ZATU019 ADAB

ZATU020 ADDA

ZATU021 |NINDA$_2$×(1(N06).HI@g~a)|

ZATU022 AGAR$_2$

ZATU023 AK~a; AK~b

ZATU024 AL

ZATU025 ALAN~a; ALAN~b; ALAN~c; ALAN~d; ALAN~e

ZATU026 ALIM

ZATU027 AM~a; AM~b

ZATU028 AMA~a; AMA~b

ZATU029 AMAR

ZATU030 |AMAR×TAR~c|

ZATU031 AN

ZATU032 ANŠE~a; ANŠE~b; ANŠE~c; ANŠE~e; ANŠE~f

ZATU033 APIN~a; APIN~b; APIN~c

ZATU034 ARARMA$_2$~a; ARARMA$_2$~b

ZATU035 ARATTA

ZATU036 ASAR

ZATU037 1(N57)

ZATU038 AZ

ZATU039 AZU

ZATU040 BA

ZATU041 BAD

ZATU042 |BAD&BAD|

ZATU043 |1(N58).BAD|; |(1(N58).BAD)~b|

ZATU044 BAD$_3$~a; BAD$_3$~b1; BAD$_3$~b2

ZATU045 BAHAR$_2$~a; BAHAR$_2$~b; BAHAR$_2$~c

ZATU046 BALA~a; BALA~b

ZATU047 BALAG

ZATU048 BAN~a; BAN~b

ZATU049 BANŠUR~a; BANŠUR~b1; BANŠUR~b2; BANŠUR~c

ZATU050 BAPPIR~a; BAPPIR~b; BAPPIR~c; BAPPIR~d; BAPPIR~e; BAPPIR~f

ZATU051 BAR

ZATU052 BARA$_2$~a; BARA$_2$~b

ZATU053 BARA$_3$

ZATU054 BIR~a; BIR~b; BIR~c

ZATU055 BIR$_3$~a; BIR$_3$~b; BIR$_3$~c

ZATU056 BU~a; BU~b

ZATU057 |BU~a×A|

ZATU058 |(BU~a&BU~a).NA$_2$~a|; |(BU~a&BU~a).NA$_2$~b|

ZATU059 |BU~a+DU$_6$~a|

ZATU060 BU$_3$

ZATU061 BULUG

ZATU062 BULUG$_3$

ZATU063 BUR~a; BUR~b; BUR~c; BUR~d

ZATU064 BUR$_2$

ZATU065 DA~a; DA~b; DA~c; DA~d

ZATU066 DAH

ZATU067 DAM

ZATU068 DANNA

ZATU069 DAR~a; DAR~b; DAR~c; DAR~d

ZATU070 DARA$_3$~a; DARA$_3$~b; DARA$_3$~c; DARA$_3$~d

ZATU071 |DARA$_3$~c×KAR$_2$|; |DARA$_3$~d×KAR$_2$~b|

ZATU072 |DARA$_3$~c×(KAR$_2$.ŠE~a)|; |DARA$_3$~d×(KAR$_2$.ŠE~a)|

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

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.

ZATU075 DI

ZATU076 DIB

ZATU077 DILMUN

ZATU078 DIM~a; DIM~b; DIM~c

ZATU079 DIN

ZATU080 DIN@t

ZATU081 1(N58)

ZATU082 DU

ZATU083 DU$_6$~a; DU$_6$~b; DU$_6$~c

ZATU084 DU$_7$

ZATU085 DU$_8$~a; DU$_8$~b; DU$_8$~c

ZATU086 DUB~a; DUB~b; DUB~c; DUB~d; DUB~e; DUB~f; DUB~h

ZATU087 |(DUB@n~a×1(N58))~a|; |(DUB@n~a×1(N58))~b|; |DUB@n~b×1(N58)~a|

ZATU088 DUG~a; DUG~b; DUG~c; DUG~d

ZATU089 |DUG~b×AB$_2$|

ZATU090 |DUG~b×ANŠE~b|; |DUG~b×ANŠE~d|

ZATU091 |DUG~a×1(N57)|; |DUG~b×1(N57)|; |DUG~c×1(N57)|

ZATU092 |DUG~b×(1(N57).KU$_3$~a)|

ZATU093

ZATU094 |DUG~b×BALA~a|

ZATU095 |DUG~b×BIR$_3$~c|

ZATU096 |DUG~b×DIN|

ZATU097 |DUG~b×GA~a|; |DUG~b×GA~b|

ZATU098 |DUG~b×GEŠTU~a|; |DUG~b×GEŠTU~b|

ZATU099 |DUG~b×GI$_6$|

ZATU100 |DUG~b×GIŠ|

ZATU101 |DUG~b×HI|

ZATU102 |DUG~b×HI@g~a|

ZATU103 |DUG~a×KASKAL|; |DUG~b×KASKAL|

ZATU104 |DUG~a×KU$_6$~a|; |DUG~b×KU$_6$~a|

ZATU105 |DUG~b×KUR~a|; |DUG~b×KUR~b|

ZATU106 |DUG~a×LAM~b|; |DUG~b×LAM~a|

ZATU107 |DUG~b×KUR@g~a|

ZATU108 |DUG~b×MAŠ|

ZATU109 |DUG~a×NAGA~a|; |DUG~b×NAGA~a|

ZATU110 |DUG~b×SA~a|

ZATU111 |DUG~b×(SA~a.GI)|

ZATU112 |DUG~b×SI$_4$~a|

ZATU113 |DUG~b×SIG$_2$~a1|; |DUG~b×SIG$_2$~a2|

ZATU114 |DUG~b×SIG$_7$|

ZATU115 |DUG~b×SUHUR|

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|

ZATU123 |DUG~b×UH_3~a|

ZATU124 |DUG~b×ZATU764|

ZATU125 DUGUD

ZATU126 DUR~a; DUR~b

ZATU127 DUR_2

ZATU128 E~a; E~b; E~c; E~d

ZATU129 E_2~a; E_2~b; E_2~c; E_2~d

ZATU130 |KUR~a.E_2~a|; |KUR~b.E_2~a|

ZATU131 |E_2~a×1(N58@t)|; |E_2~b×1(N58@t)|

ZATU132 E_3~a; E_3~b

ZATU133 EDIN

ZATU134 EN~a; EN~b; EN~c; EN~e

ZATU135 |NUN~a+EN~a|; |NUN~a+EN~b|; |NUN~a+EN~d|; |NUN~b+EN~a|

ZATU136 ZATU EN+UDU(?) read in CDLI as X in hapax ATU 1, 342=P001563 ATU 5, pl. 104, W 9656,es i 1.

ZATU137 EN@g~a; EN@g~b

ZATU138 EN_2

ZATU139 ENDIB

ZATU140 ENGIZ

ZATU141 ENKUM

ZATU142 ENLIL

ZATU143 ERIM~a; ERIM~b1; ERIM~b2

ZATU144 $ERIM_2$

ZATU145 ERIN

ZATU146 3(N57)

ZATU147 EŠDA

ZATU148 |EŠDA×TAR~a|

ZATU149 EŠGAR

ZATU150 EZEN~a; EZEN~b; EZEN~b@t; EZEN~c

ZATU151 |EZEN~a×EN~a|; |EZEN~a×EN~b|

ZATU152 |EZEN~a×KAB|

ZATU153 |EZEN~a×NIM~b2|

ZATU154 |EZEN~a×NIMGIR|

ZATU155 |EZEN~a×RAD~a|

ZATU156 |EZEN~a×SU~a|

ZATU157 |EZEN~a×(U_2~b.A)|

ZATU158 EZINU~a; EZINU~b; EZINU~c; EZINU~d

ZATU159 GA~a; GA~b; GA~c

ZATU160 |GA~c×1(N14)|

ZATU161 |GA~a.ZATU753|

ZATU162 GA_2~a1; GA_2~a2; GA_2~a3; GA_2~a4; GA_2~b; GA_2~c

ZATU163 |ZATU762~b×AB~a|

ZATU164 |GA_2~a1×1(N57)|

ZATU165 Only in UET II as BAU328 = |GA_2×(1(N58).BAD)|.

ZATU166 |GA_2~b×DUB~a|; |GA_2~b×DUB~b|

ZATU167 |GA_2~a1×GIR~a|

ZATU168 |GA_2~a1×GIŠ@t|

ZATU169 |GA_2~a2×($ŠE_3$.GU_4)|

ZATU170 |GA_2~a1×HI|

ZATU171 |GA_2~a1×(HI.SUHUR)|

ZATU172 |GA_2~a1×KU_3~a|; |GA_2~b×KU_3~a|

ZATU173 |GA_2~a1×KU_6~a|; |GA_2~b×KU_6~a|

ZATU174 |GA_2~a1×(KU_6~a+KU_6~a)|

ZATU175 |LAGAB~b×KUR~e|

ZATU176 |GA_2~a1×MAŠ|

ZATU177 |GA_2~a1×NAGA~a|

ZATU178 |GA_2~a2×NI~a|; |GA_2~a2×NI~b|

ZATU179 |GA_2~a1×SUHUR|; |GA_2~a2×SUHUR|

ZATU180 |GA_2~a1×SUKUD|

ZATU181 |GA_2~a1×SUMAŠ|

ZATU182 |GA_2~a1×1(N14)|

ZATU183 |GA_2~a1×U_4|

ZATU184 GA'AR~a1; GA'AR~a2; GA'AR~b1; GA'AR~b2

ZATU185 |ZATU737×BUR~a|

ZATU186 GADA~a; GADA~b

ZATU187 GADA~b@g

ZATU188 GAL~a; GAL~b

ZATU189 GALGA~a; GALGA~b

ZATU190 GAN~a; GAN~b; GAN~c

ZATU191 |GAN~c×(HI.DIN)|

ZATU192 |GAN~c×LAGAB~b|

ZATU193 |GAN~c×NE~a|

ZATU194 |GAN~c×ŠE~a|

ZATU195 GAN_2

ZATU196 GAR

ZATU197 GAR@g~a; GAR@g~b; GAR@g~c

ZATU198 GAR_3

ZATU199 $GARA_2$~a; $GARA_2$~b

ZATU200 GAZI

ZATU201 |SAL.KUR~a|

ZATU202 GEŠTIN~a; GEŠTIN~d; GEŠTIN~e

ZATU203 GEŠTU~a; GEŠTU~b; GEŠTU~c3; GEŠTU~c5

ZATU204 GI

ZATU205 ATU 1, 28=P001294 ATU 5, pl. 068, W 9579,av read |GI&GI| |GI×SIG_2~d1|;

ZATU206 |(GI&GI)×$ŠE_3$|

ZATU207 |GI×GIŠ@t|

ZATU208 |GI×LAGAB~a|

ZATU209 |GI×NAM_2|

ZATU210 |GI×SIG_2~d1|

ZATU211 |GI×1(N14)|

ZATU212 GI_4~a; GI_4~b

ZATU213 GI_6

ZATU214 GIBIL

ZATU215 $GIBIL_6$

ZATU216 GIR~a; GIR~b; GIR~c; GIR~d

ZATU217 KU_6~d

ZATU218 GIR_2~a; GIR_2~b

ZATU219 GIR_3~a; GIR_3~b; GIR_3~c

ZATU220 |GIR_3~a×ŠE~b|

ZATU221 GIR_3@g~a; GIR_3@g~b; GIR_3@g~c

ZATU222 GISAL~a; GISAL~b

ZATU223 GIŠ

ZATU224 |(GIŠ×(DIN.DIN))~a|; |(GIŠ×(DIN.DIN))~b|; |(GIŠ×(DIN.DIN))~c|

ZATU225 |(GIŠ×$ŠU_2$)~a|; |(GIŠ×$ŠU_2$)~b|

ZATU226 |GIŠ.TE|

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

ZATU231 GIZZAL~v
ZATU232 GU
ZATU233 GU_2
ZATU234 GU_4
ZATU235 GU_7
ZATU236 GUB_3~a; GUB_3~b; GUB_3~c; GUB_3~d
ZATU237 GUG_2
ZATU238 |GUG_2×$SILA_3$~a|
ZATU239 |GUG_2×TUR|
ZATU240 GUKKAL~a; GUKKAL~b; GUKKAL~c; GUKKAL~d
ZATU241 |GUKKAL~a.HI@g~a|
ZATU242 GUL
ZATU243 GUM~a; GUM~b
ZATU244 GUM~b@n
ZATU245 GUN_3~a; GUN_3~b
ZATU246 GUR
ZATU247 GURUŠ~a; GURUŠ~b
ZATU248 |GURUŠ~a×2(N14)|; |GURUŠ~b×2(N14)|; |GURUŠ~c×2(N14)|
ZATU249 GURUŠDA
ZATU250 HAL
ZATU251 HALUB
ZATU252 HAŠHUR
ZATU253 |HAŠHUR×MA|
ZATU254 HI; HI~b
ZATU255 |HI×1(N57@t)|
ZATU256 |HI.SUHUR|
ZATU257 |HI×ZATU707~a|
ZATU258 HI@g~a; HI@g~b; HI@g~c
ZATU259 I
ZATU260 IB~a; IB~b; IB~c
ZATU261 IDIGNA
ZATU262 IL
ZATU263 ILDUM~a; ILDUM~b
ZATU264 IM~a; IM~b
ZATU265 IN~b
ZATU266 IN~d
ZATU267 IR~a; IR~b; IR~c; IR~d
ZATU268 IR_{11}
ZATU269 IRHAN
ZATU270 IŠ~a; IŠ~b; IŠ~c
ZATU271 KA~a
ZATU272 Read as sequence KA GI.
ZATU273 |KA~a×SAR~a|
ZATU274 |KA~a.ŠE~a|
ZATU275 KA_2~a; KA_2~b; KA_2~c
ZATU276 |KA_2~d×LAM~b|
ZATU277 KAB
ZATU278 |KAB×1(N58)|
ZATU279 KAD_4~a; KAD_4~b; KAD_4~c1; KAD_4~c2
ZATU280 KAK~a; KAK~b
ZATU281 KAL~a; KAL~b1; KAL~b2
ZATU282 KALAM~a; KALAM~b; KALAM~c; KALAM~d; KALAM~e; KALAM~f; KALAM~g; KALAM~h; KALAM~h2
ZATU283 KAR
ZATU284 KAR_2~a; KAR_2~b
ZATU285 KASKAL
ZATU286 KAŠ~a; KAŠ~b; KAŠ~d
ZATU287 KAŠ~c
ZATU288 |KAŠ~b×ŠE~a@t|
ZATU289 KI
ZATU290 KIB
ZATU291 KID~a; KID~b; KID~c; KID~d; KID~e
ZATU292 KIN
ZATU293 KIN_2~a; KIN_2~b; KIN_2~c; KIN_2~d; KIN_2~e
ZATU294 KINGAL
ZATU295 KISAL~a1; KISAL~a2; KISAL~b1; KISAL~b2; KISAL~b3
ZATU296 KISIM~a; KISIM~b; KISIM~c
ZATU297 KIŠ
ZATU298 KIŠIK~a; KIŠIK~b
ZATU299 KITI
ZATU300 KU~a; KU~b1; KU~b2
ZATU301 KU_3~a; KU_3~c
ZATU302 KU_6~a; KU_6~c
ZATU303 |KU_6~a+KU_6~a|
ZATU304 KUR~a; KUR~b; KUR~c; KUR~d
ZATU305 $KUŠU_2$~a; $KUŠU_2$~b; $KUŠU_2$~c; $KUŠU_2$~d; $KUŠU_2$~e; $KUŠU_2$~f
ZATU306 LA~b; LA~c; LA~d
ZATU307 LA_2
ZATU308 LAGAB~a; LAGAB~b
ZATU309 |LAGAB~b×BANŠUR~a|
ZATU310 |LAGAB~a×DU_6~a|
ZATU311 |LAGAB~b×GA'AR~a1|
ZATU312 |LAGAB~b×HI|
ZATU313 |LAGAB~a×KU_6~a|
ZATU314 |LAGAB~a×$KUŠU_2$~a@t|
ZATU315 |LAGAB~a×ME~a|
ZATU316 |LAGAB~a×NUN~b|
ZATU317 |LAGAB~a×PA~a|; |LAGAB~b×PA~a|
ZATU318 |LAGAB~a×ŠA|
ZATU319 |LAGAB~a×ŠITA~a1|
ZATU320 |LAGAB~a×2(N14)|
ZATU321 |LAGAB~a×ZATU753|
ZATU322 |LAGAB×ZATU766|; collation on P004228 o i 4b suggests not all of LAGAB is present; read X in CDLI-tc
ZATU323 LAGAR~a; LAGAR~b1; LAGAR~b2; LAGAR~c
ZATU324 $LAHTAN_2$
ZATU325 LAL_2~a; LAL_2~b
ZATU326 |LAL_2~a×EZEN~a|
ZATU327 LAL_3~a; LAL_3~b
ZATU328 LAM~a; LAM~b
ZATU329 KUR@g~a; KUR@g~b; LAM~b@s
ZATU330 LI
ZATU331 LIŠ
ZATU332 LU_2
ZATU333 |LU_2×GEŠTU~c3|
ZATU334 LUGAL
ZATU335 LUM
ZATU336 MA
ZATU337 |MA×A|
ZATU338 |MA×MA|
ZATU339 MA_2
ZATU340 MAGUR~a; MAGUR~b
ZATU341 MAH~a; MAH~b
ZATU342 |MAH~a×GUKKAL~a|
ZATU343 |MAH~a×KU_6~a|; |MAH~b×KU_6~a|
ZATU344 |MAH~a×MAŠ|; |MAH~b×MAŠ|
ZATU345 |MAH~b×SAL|
ZATU346 |MAH~a×($SILA_3$~a×UMBIN~a)|

ZATU347 |MAH~a×TUG$_2$~a|
ZATU348 |MAH~a×UD$_5$~a|
ZATU349 |MAH~a×UDU~a|
ZATU350 |MAH~a×UR~a|
ZATU351 |MAH~a×UTUA~a|
ZATU352 MAR~a; MAR~b
ZATU353 |MAR~b×(LAGAB~b.ŠE$_3$)|
ZATU354 |MAR~b×ŠE~a|
ZATU355 MAŠ
ZATU356 ZATU |MAŠ+GAN$_2$| read as MAŠ GAN$_2$ in CDLI-tc
ZATU357 MAŠ$_2$
ZATU358 ME~a; ME~b
ZATU359 ME$_3$
ZATU360 MEN~a; MEN~b
ZATU361 MES
ZATU362 MIR~a; MIR~b
ZATU363 MU
ZATU364 MUD
ZATU365 MUD$_3$~a; MUD$_3$~b; MUD$_3$~c; MUD$_3$~d
ZATU366 MUD$_3$~a@g
ZATU367 MUL
ZATU368 MUN~a1; MUN~a2; MUN~a3; MUN~a4; MUN~b
ZATU369 MUNŠUB~a; MUNŠUB~b
ZATU370 MUNU$_3$
ZATU371 MURUB$_2$
ZATU372 ZATU MURUB$_3$ read ME~a EN~b LAGAR~b1 in hapax P000849=ATU 1, 480=ATU 5 pl. 17, W 6855, i 1, i.e., |ŠITA~b2@g×HI@g~a|
ZATU373 MUŠ
ZATU374 MUŠ$_3$~a; MUŠ$_3$~b
ZATU375 MUŠ$_3$~a@g
ZATU376 MUŠEN
ZATU377 |MUŠEN.UR$_3$~b2|
ZATU378 NA~a; NA~b; NA~c; NA~d
ZATU379 NA$_2$~a; NA$_2$~b1; NA$_2$~b2; NA$_2$~c
ZATU380 NAB
ZATU381 NAGA~a; NAGA~b
ZATU382 NAGAR~a; NAGAR~b
ZATU383 NAM~a; NAM~b; NAM~c; NAM~d
ZATU384 NAM$_2$
ZATU385 |NAM$_2$×1(N01)|
ZATU386 NAM$_2$@g
ZATU387 NAMEŠDA
ZATU388 NANNA~a; NANNA~b
ZATU389 |AB~a×KU$_6$~a|; NANŠE~a; NANŠE~b
ZATU390 NAR
ZATU391 NE~a; NE~b; NE~c; NE~d
ZATU392 NERGAL~v
ZATU393 NI~a; NI~b
ZATU394 NI~a@g
ZATU395 See new copy of ATU 1, 143 in P001212=ATU 5, pl. 054, W 9335,i.
ZATU396 NI$_2$
ZATU397 NIGIN
ZATU398 NIM~a; NIM~b1; NIM~b2; NIM~b3; NIM~d
ZATU399 NIMGIR
ZATU400 NIN
ZATU401 NINDA$_2$
ZATU402 |NINDA$_2$×BA|
ZATU403 |NINDA$_2$×EZEN~b|
ZATU404 |NINDA$_2$×GAR|
ZATU405 |NINDA$_2$×GIŠ|
ZATU406 |NINDA$_2$×(AN.ME~a)|; |NINDA$_2$×(HI.AN.ME~a)|; |NINDA$_2$×(HI.ME~a)|; |NINDA$_2$×GUDU$_4$|
ZATU407 |NINDA$_2$×HI|
ZATU408 |NINDA$_2$×MAR~a|; |NINDA$_2$×MAR~b|
ZATU409 |NINDA$_2$×U$_4$|
ZATU410 |NINDA$_2$×(UDU~a×TAR~a)|; |NINDA$_2$×(UDU~a×TAR~b)|
ZATU411 |EZEN~b×6(N57)|; |NINDA$_2$×1(N01)|; |NINDA$_2$×2(N01)|; |NINDA$_2$×1(N08)|
ZATU412 NINKUM
ZATU413 NINLIL
ZATU414 NIR~a; NIR~b
ZATU415 |NIR~a×AN|
ZATU416, ZATU570 NESAG$_2$~a; NESAG$_2$~a2; NESAG$_2$~b
ZATU417 NU
ZATU418 NU@g
ZATU419 NU$_{11}$
ZATU420 NUMUN$_2$
ZATU421 NUN~a; NUN~b; NUN~c; NUN~d
ZATU422 |NUN~a+A|
ZATU423 NUNUZ~a0; NUNUZ~a1; NUNUZ~a2; NUNUZ~b1; NUNUZ~b2; NUNUZ~c
ZATU424 |3(N57).NUNUZ~a1|; |3(N57).NUNUZ~c|
ZATU425 PA~a; PA~b
ZATU426 PAD~a; PAD~b
ZATU427 PAP~a; PAP~b
ZATU428 PIRIG~a1; PIRIG~a2; PIRIG~a3; PIRIG~b1; PIRIG~b2
ZATU429 |3(N57).PIRIG~b1|
ZATU430 PU$_2$
ZATU431 RA
ZATU432 RAD~a; RAD~b
ZATU433 RAD~a@g
ZATU434 RI$_8$~a; RI$_8$~b
ZATU435 RU
ZATU436 SA~a; SA~c
ZATU437 SAG
ZATU438 |SAG×GEŠTU~a|; |SAG×GEŠTU~b|; |SAG×GEŠTU~c|
ZATU439 |SAG×MA|
ZATU440 |SAG×1(N14)|
ZATU441 SAG@n
ZATU442 SAGŠU
ZATU443 SAL
ZATU444 SANGA~a; SANGA~b; SANGA~c; SANGA~e
ZATU445 SAR~a; SAR~b; SAR~c; SAR~d
ZATU446 KU$_6$~a@s
ZATU447 SI
ZATU448 |SI×GU$_4$|
ZATU449 |SI×ŠE$_3$|
ZATU450 SI$_4$~a; SI$_4$~b; SI$_4$~c; SI$_4$~d; SI$_4$~f
ZATU451 SIG; SIG~b
ZATU452 SIG$_2$~a1; SIG$_2$~a2; SIG$_2$~a3; SIG$_2$~a4; SIG$_2$~b; SIG$_2$~c1; SIG$_2$~c2; SIG$_2$~d1; SIG$_2$~d2; SIG$_2$~d3; SIG$_2$~d4; SIG$_2$~e
ZATU453 |SIG$_2$~b×1(N14)|
ZATU454 SIG$_4$

ZATU455 SIG$_7$

ZATU456 SILA$_3$~a; SILA$_3$~b; SILA$_3$~c

ZATU457 |SILA$_3$~a×A|

ZATU458 |SILA$_3$~a×DUG~a|

ZATU459 |SILA$_3$~a×GA~a|

ZATU460, ZATU472 |SILA$_3$~a×NI~a|; |SILA$_3$~b×NI~a|; |SILA$_3$~b×NI~b|; |SILA$_3$~d×NI~a|

ZATU461 |SILA$_3$~a×GARA$_2$~a|

ZATU462, ZATU469 |SILA$_3$~a×GEŠTU~a|; |SILA$_3$~a×GEŠTU~c3|; |SILA$_3$~a×GEŠTU~c5|

ZATU463 |SILA$_3$~a×HAŠHUR|

ZATU464 |SILA$_3$~a×HI|

ZATU465 |SILA$_3$~a×HI@g~a|

ZATU466 |SILA$_3$~a×IB~a|

ZATU467 |SILA$_3$~a×KAŠ~a|; |SILA$_3$~a×KAŠ~c|; |SILA$_3$~a×KAŠ~d|

ZATU468 |SILA$_3$~a×KUR~a|

ZATU469 see ZATU462

ZATU470 |SILA$_3$~a×MAŠ|

ZATU471 |SILA$_3$~a×NAGA~a|; |SILA$_3$~b×NAGA~b|

ZATU472 see ZATU460

ZATU473 |SILA$_3$~a×MA|

ZATU474 |SILA$_3$~a×SUM~a|; |SILA$_3$~a×SUM~b|

ZATU475 |SILA$_3$~a×ŠE~a|

ZATU476 |SILA$_3$~a×ŠU|; |SILA$_3$~c×ŠU|

ZATU477 |SILA$_3$~a×ŠU$_2$|

ZATU478 |SILA$_3$~a×(ZATU659.TU~c)|

ZATU479 Delete, W 16012,b+ = P002571 now read UDU ŠITA.

ZATU480 |SILA$_3$~c×ZATU687|

ZATU481 |SILA$_3$~a×1(N57)|; |SILA$_3$~a×1(N58)|

ZATU482 SILA$_4$~a; SILA$_4$~b; SILA$_4$~c; SILA$_4$~d

ZATU483 SILANITA

ZATU484 SIMUG

ZATU485 SU~a; SU~b; SU~c

ZATU486 |SU~a×1(N58)|

ZATU487 SU$_3$

ZATU488 SUG

ZATU489 SUG$_5$

ZATU490 SUH$_3$

ZATU491 SUHUR

ZATU492 SUKKAL

ZATU493 SUKUD

ZATU494 |(SUKUD+SUKUD)~a|; |(SUKUD+SUKUD)~b|; |(SUKUD+SUKUD)~d|

ZATU495 SUKUD@g~a; SUKUD@g~b; SUKUD@g~c; SUKUD@g~d

ZATU496 SUM~a; SUM~b

ZATU497 SUMAŠ

ZATU498 SUR

ZATU499 SUSA

ZATU500 ŠA

ZATU501 |(ŠA×HI@g~a)~a|; |(ŠA×HI@g~a)~b|

ZATU502 ŠA@g

ZATU503 ŠA$_3$~a1; ŠA$_3$~a2; ŠA$_3$~b; ŠA$_3$~c; ŠA$_3$~d

ZATU504 ŠAB~a; ŠAB~b

ZATU505 Delete, W 14777,e = P002181 now read GAL~a ŠAB~a AL.

ZATU506 ŠAGAN

ZATU507 ŠAGINA

ZATU508 ŠAH$_2$~a; ŠAH$_2$~b; ŠAH$_2$~c

ZATU509 ŠAKIR~a; ŠAKIR~b; ŠAKIR~c

ZATU510 ŠAM$_2$

ZATU511 ŠE~a; ŠE~b; ŠE~c

ZATU512 |ŠE~a.KIN$_2$~c|

ZATU513 |ŠE~a.NAM$_2$|

ZATU514 |SAR~a×ŠE~a|

ZATU515 |ŠE~a&ŠE~a|

ZATU516 ŠE$_3$

ZATU517 Delete, W 17586 = P002625 now read as 1(N01) KU$_3$.

ZATU518 ŠE$_3$@t

ZATU519 ŠEG$_9$

ZATU520 ŠELU

ZATU521 ŠEN~a; ŠEN~b; ŠEN~c; ŠEN~d; ŠEN~e

ZATU522 ŠENNUR~a; ŠENNUR~b

ZATU523 ŠEŠ~a; ŠEŠ~b

ZATU524 ŠIDIM

ZATU525 ŠIM~a; ŠIM~b

ZATU526 ŠIR~a; ŠIR~b

ZATU527 ŠITA~a1; ŠITA~a2; ŠITA~a3; ŠITA~b1; ŠITA~b2; ŠITA~b3

ZATU528 |ŠITA~a1×ŠU|

ZATU529 |ŠITA~a1×KAK~a|

ZATU530 ŠITA@g~a; ŠITA@g~b

ZATU531 |ŠITA@g~a×1(N04)|

ZATU532 ŠU

ZATU533 ŠU@g

ZATU534 ŠU$_2$

ZATU535 |ŠU$_2$.E$_2$~a|; |ŠU$_2$.E$_2$~b|

ZATU536 |ŠU$_2$.EN~a|; |ŠU$_2$.EN~b|

ZATU537 |ŠU$_2$.U$_4$| in ATU 206 read as AB$_2$ in P001387=ATU 5 pl.80, W 9655,o.

ZATU538 ŠU$_{12}$

ZATU539 ŠUBUR

ZATU540 |1(N57).ŠUBUR|; |3(N57).ŠUBUR|

ZATU541 ŠUM

ZATU542 ŠUNIGIN taken as DA in CDLI.

ZATU543 ŠUR$_2$~a; ŠUR$_2$~b; ŠUR$_2$~c

ZATU544 ŠURUPPAK~a; ŠURUPPAK~b

ZATU545 TA~a; TA~b; TA~c; TA~d; TA~e

ZATU546 = 2(N57)

ZATU547 TAG~a1; TAG~a2; TAG~a3; TAG~a4; TAG~b; TAG~c; TAG~d

ZATU548 TAK$_4$~a; TAK$_4$~c

ZATU549 TAR~a

ZATU550 TE

ZATU551 TI

ZATU552 TIDNUM

ZATU553 TILLA$_2$

ZATU554 TU~a; TU~b; TU~c

ZATU555 TUG$_2$~a; TUG$_2$~b; TUG$_2$~c; TUG$_2$~d

ZATU556, ZATU558 |TUG$_2$~a.BAD&BAD|

ZATU557 TUG$_2$~a@g

ZATU558 see ZATU556

ZATU559 Damaged, identification uncertain, possibly KAB.

ZATU560 TUM~a; TUM~b; TUM~c; TUM~d

ZATU561 TUN$_3$~a; TUN$_3$~b; TUN$_3$~c

ZATU562 TUR

ZATU563 TUR$_3$~a; TUR$_3$~b; TUR$_3$~c

ZATU564 1(N14)

ZATU565 U$_2$~a; U$_2$~b; U$_2$~c

ZATU566 U$_4$

ZATU567 |KI@n×DUB~a|

ZATU568 |U$_4$.ŠU$_2$|

ZATU569 |U$_4$×1(N01)|

ZATU570 see ZATU416

ZATU571 U$_8$

ZATU572 UB

ZATU573 UBI~a; UBI~c; UBI~d

ZATU574 UD$_5$~a; UD$_5$~b; UD$_5$~c

ZATU575 UDU~a; UDU~b; UDU~c

ZATU576 |UDU~a×TAR~a|; |UDU~a×TAR~b|

ZATU577 |3(N57).UDU~a|

ZATU578 UDUNITA~a; UDUNITA~b; UDUNITA~c

ZATU579 UH$_3$~a; UH$_3$~b

ZATU580 UKKIN~a; UKKIN~b; UKKIN~c; UKKIN~d

ZATU581 UMBIN~a; UMBIN~b1; UMBIN~b2; UMBIN~c

ZATU582 UMUN$_2$

ZATU583 UNUG~a; UNUG~b; UNUG~c

ZATU584 |UNUG~a×A@t|

ZATU585 UNUG~a@s

ZATU586 UR~a; UR~b; UR~c

ZATU587 UR~a@g

ZATU588 UR$_2$

ZATU589 |UR$_2$×1(N57)|

ZATU590 |UR$_2$×TAR~c|

ZATU591 UR$_3$~a1; UR$_3$~a2; UR$_3$~a3; UR$_3$~b1; UR$_3$~b2; UR$_3$~d2

ZATU592 UR$_4$~a; UR$_4$~b; UR$_4$~c

ZATU593 UR$_5$~a; UR$_5$~b

ZATU594 URI

ZATU595 URI$_3$~a; URI$_3$~b

ZATU596 URI$_5$

ZATU597 URU~a1; URU~a2; URU~b1; URU~b2; URU~c

ZATU598 |URU~a1×AMAR|

ZATU599 |URU~a3×KALAM~a|

ZATU600 |URU~a1×NIMGIR|

ZATU601 |URU~a1×1(N57)|; |URU~a1×2(N57)|; |URU~a2×1(N58)|

ZATU602 URUDU~a; URUDU~c; URUDU~d

ZATU603 URUDU@g~a; URUDU@g~b; URUDU@g~c; URUDU@g~d

ZATU604 UŠ~a; UŠ~b

ZATU605 |UŠ~b×TAR~c|

ZATU606 1(N02)

ZATU607 UŠUMGAL

ZATU608 UŠUR$_3$~b1; UŠUR$_3$~b2

ZATU609 UTUA~a; UTUA~b

ZATU610 UTUL~a; UTUL~b; UTUL~c; UTUL~d

ZATU611 UZ~a

ZATU612 ZA~v

ZATU613 ZABALAM~a; ZABALAM~b

ZATU614 |SILA$_3$~a×NUN~b|

ZATU615 ZAG~a; ZAG~b; ZAG~c

ZATU616 ZAR~a; ZAR~b1; ZAR~b2; ZAR~c

ZATU617 ZI~a; ZI~b; ZI~d

ZATU618 1(N04)

ZATU619 ZUBI~a; ZUBI~b

ZATU620 ZATU620

ZATU621 ZATU621~a; ZATU621~b; ZATU621~c; ZATU621~d

ZATU622 ZATU622

ZATU623 ZATU623

ZATU624 ZATU624~a; ZATU624~b; ZATU624~c

ZATU625 ZATU625

ZATU626 ZATU626~a; ZATU626~b; ZATU626~c

ZATU627 ZATU627

ZATU628 ZATU628~a; ZATU628~b

ZATU629 ZATU629

ZATU630 ZATU630

ZATU631 ZATU631

ZATU632 ZATU632~a; ZATU632~b; ZATU632~c

ZATU633 ZATU633~a; ZATU633~b

ZATU634 ZATU634

ZATU635 ZATU635

ZATU636 ZATU636

ZATU637 ZATU637

ZATU639 ZATU639

ZATU640 ZATU640

ZATU641 ZATU641

ZATU642 ZATU642

ZATU643 ZATU643

ZATU644 ZATU644~a; ZATU644~b

ZATU645 |ZATU644~a×1(N14)|

ZATU646 ZATU646

ZATU647 ZATU647

ZATU648 ZATU648

ZATU649 ZATU649

ZATU650 ZATU650

ZATU651 ZATU651

ZATU652 |ZATU651×AN|

ZATU653 |ZATU651×EN~a|

ZATU654 |ZATU651×GAR|

ZATU655 |ZATU651×MA|

ZATU656 |ZATU651×NUN~a|

ZATU657 |ZATU651×ŠE~a|

ZATU658 ZATU651@g

ZATU659 ZATU659

ZATU660 |ZATU659×1(N58@t)|

ZATU661 |ZATU659×1(N14)|

ZATU662 ZATU662

ZATU663 |ZATU662×1(N14)|

ZATU664 ZATU664

ZATU665 ZATU665

ZATU666 ZATU666

ZATU667 ZATU667

ZATU668 ZATU668

ZATU669 ZATU669

ZATU670 ZATU670

ZATU671 Damaged, identification uncertain.

ZATU672 ZATU672

ZATU674 ZATU674

ZATU675 ZATU675~a; ZATU675~b; ZATU675~c; ZATU675~d
ZATU676 ZATU676~a; ZATU676~b
ZATU677 ZATU677~a; ZATU677~b
ZATU678 ZATU678
ZATU679 ZATU679
ZATU680 ZATU680~a1; ZATU680~a2; ZATU680~b; ZATU680~d; ZATU680~e
ZATU681 ZATU681
ZATU682 ZATU682
ZATU683 ZATU683~a; ZATU683~b
ZATU684 ZATU684
ZATU685 ZATU685
ZATU686 ZATU686~a; ZATU686~b; ZATU686~c
ZATU687 ZATU687
ZATU688 ZATU688~a; ZATU688~b
ZATU689 ZATU689
ZATU690 ZATU690
ZATU691 ZATU691
ZATU692 ZATU692
ZATU693 ZATU693
ZATU694 ZATU694~a; ZATU694~b; ZATU694~c; ZATU694~d; ZATU694~e
ZATU695 ZATU695
ZATU696 ZATU696
ZATU697 ZATU697~a; ZATU697~b; ZATU697~c
ZATU698 DU_8~c@g
ZATU699 ZATU699~a; ZATU699~b
ZATU700 ZATU700
ZATU701 ZATU701
ZATU702 ZATU702
ZATU703 ZATU703
ZATU704 ZATU704
ZATU705 ZATU705
ZATU706 ZATU706
ZATU707 ZATU707~a; ZATU707~b
ZATU708 ZATU708
ZATU709 ZATU709
ZATU710 ZATU710
ZATU711 ZATU711
ZATU712 |ZATU711×HI@g~a|
ZATU713 ZATU713
ZATU714 ZATU714
ZATU715 |ZATU714×HI@g~a|
ZATU716 |ZATU714.RU|
ZATU717 ZATU717
ZATU718 ZATU718
ZATU719 ZATU719
ZATU720 ZATU720
ZATU721 ZATU721
ZATU722 ZATU722
ZATU723 ZATU723
ZATU724 ZATU724
ZATU725 ZATU725
ZATU726 ZATU726~a; ZATU726~c; ZATU726~d
ZATU727 ZATU727
ZATU728 ZATU728
ZATU729 ZATU729
ZATU730 ZATU730
ZATU732 ZATU732
ZATU733 ZATU733
ZATU734 ZATU734
ZATU735 ZATU735~a; ZATU735~b; ZATU735~c
ZATU736 ZATU736~a; ZATU736~b
ZATU737 ZATU737
ZATU738 |ZATU737×AB~a|
ZATU739 |ZATU737×DI|
ZATU740 |ZATU737×EN~a|; |ZATU737×EN~b|
ZATU741 |ZATU737×GAR|
ZATU742 |ZATU737×NIMGIR|
ZATU743 |ZATU737×SAL|
ZATU744 |ZATU737×SU~a|
ZATU745 |ZATU737×ŠE~a|
ZATU746 |ZATU737×ŠITA~b1@g|
ZATU747 |ZATU737×U_4|
ZATU748 |ZATU737×UNUG~a|
ZATU749 ZATU749~a; ZATU749~b; ZATU749~c
ZATU750 ZATU750
ZATU751 ZATU751~a; ZATU751~b
ZATU752 ZATU752
ZATU753 ZATU753
ZATU754 ZATU754
ZATU755 ZATU755~a; ZATU755~b
ZATU756 ZATU756
ZATU757 ZATU757
ZATU758 ZATU758
ZATU759 ZATU759
ZATU760 |ZATU759×KU_6~a|; |ZATU759×KU_6~d|
ZATU761 ZATU761
ZATU762 ZATU762~a; ZATU762~b
ZATU763 |ZATU762~a×NIM~a|
ZATU764 ZATU764
ZATU765 ZATU765
ZATU766 ZATU766
ZATU767 ZATU767
ZATU768 ZATU768
ZATU769 ZATU769
ZATU770 Damaged; ATU 833 = ATU 1, 442 = P001011 ATU 5, pl. 034, W 9071,h; excluded from CDLI list.
ZATU771 ZATU771
ZATU772 ZATU772
ZATU773 ZATU773~a; ZATU773~b
ZATU774 ZATU774
ZATU775 ZATU775
ZATU776 ZATU776
ZATU777 ZATU777
ZATU778 ZATU778
ZATU779 ZATU779
ZATU780 ZATU780
ZATU781 ZATU781
ZATU782 ZATU782
ZATU783 ZATU783
ZATU784 ZATU784
ZATU785 ZATU785
ZATU786 ZATU786
ZATU787 ZATU787
ZATU788 ZATU788
ZATU789 ZATU789
ZATU790 Vacat.
ZATU791 ZATU791
ZATU792 ZATU792
ZATU793 Vacat.
ZATU794 Vacat.

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

C Index of Alternate CDLI Sign Names

|×(N57).GAR| > |X(N57).GAR|
|AMAR×TAR| = |AMAR×TAR~c|
|AMAR×TAR| > |AMAR×TAR~c|
|AMAR@g| > AMAR@g
APIN = APIN~a
AŠ = 1(N57)
|BU~a.DU$_6$~a| = |BU~a+DU$_6$~a|
|(BU~a&BU~a).NA$_2$~a@n| = |(BU~a%BU~a).NA$_2$~a@n|
|(BU~a&BU~a).NA$_2$~a@n| > |(BU~a%BU~a).NA$_2$~a@n|
BU$_3$~a = BU$_3$
|DARA$_3$~d×KAR$_2$| > |DARA$_3$~d×KAR$_2$~b|
|DARA$_3$~d×KAR$_2$| = |DARA$_3$~d×KAR$_2$~b|
|DIN+1(N57)| = |DIN×1(N58)|
DIŠ = 1(N58)
|DU×DIŠ| = |DU×1(N58@t)|
|DU×DIŠ| > |DU×1(N58@t)|
|DU$_6$~a×DIŠ| = |DU$_6$~a×1(N58)|
|DU$_6$~a×DIŠ| > |DU$_6$~a×1(N58)|
DU$_8$@g~c = DU$_8$~c@g
|(DUB×DIŠ)~a| = |(DUB@n~a×1(N58))~a|
|(DUB×DIŠ)~a| > |(DUB@n~a×1(N58))~a|
|(DUB×DIŠ)~b| = |DUB@n~b×1(N58)~a|
|(DUB×DIŠ)~b| > |DUB@n~b×1(N58)~a|
|(DUB×DIŠ)~c| = |(DUB@n~a×1(N58))~b|
|(DUB×DIŠ)~c| > |(DUB@n~a×1(N58))~b|
*DUG~b+SA~a+GI > |DUG~b×(SA~a.GI)|
|DUG~b&(DUG~b×1(N58))| = |(DUG~b&DUG~b)×1(N58)|
|DUG~b@r×DIN| = |(DUG~b×DIN)@r|
E$_2$ = E$_2$~a
|E$_2$~a×1(N57)@t| = |E$_2$~a×1(N58@t)|
|E$_2$~a×1(N57)@t| > |E$_2$~a×1(N58@t)|
|E$_2$~b×1(N57)@t| = |E$_2$~b×1(N58@t)|
|E$_2$~b×1(N57)@t| > |E$_2$~b×1(N58@t)|
EN = EN~a
|EN~a+NUN~b| = |NUN~b+EN~a|
|EN~a×NUN~a| = |NUN~a+EN~a|
|EN$_2$×E$_2$~b| = |EN$_2$.E$_2$~b|
|EŠDA×TAR| = |EŠDA×TAR~a|
|EŠDA×TAR| > |EŠDA×TAR~a|
|EZEM~b×AN| = BAD$_3$~b2
EZEM~c = EZEN~b@t
EZEN~c = EZEN~b@t
|EZEN~a+KI| = |EZEN~a×KI|
|EZEN~a×(HI.1(N57).AN)| = |EZEN~a×(HI×1(N57).AN)|
|EZEN~a×(HI.1(N57).AN)| > |EZEN~a×(HI×1(N57).AN)|
|EZEN~b@t| > EZEN~b@t
|GA$_2$~a×E$_2$~a| = |GA$_2$~a1×E$_2$~a|
|GA$_2$~a1×(KU$_6$~a.KU$_6$~a)| > |GA$_2$~a1×(KU$_6$~a+KU$_6$~a)|

|GA$_2$~a1×((SUKUD&SUKUD)~a)| > |GA$_2$~a1×((SUKUD+SUKUD)~a)|
|GA$_2$~a1×(SUKUD&SUKUD)~a| = |GA$_2$~a1×((SUKUD+SUKUD)~a)|
|GA$_2$~a1×((SUKUD&SUKUD)~b)| > |GA$_2$~a1×((SUKUD+SUKUD)~b)|
|GA$_2$~a1×(SUKUD&SUKUD)~b| = |GA$_2$~a1×((SUKUD+SUKUD)~b)|
|GA$_2$~a2×(GU$_4$.ŠE$_3$)| = |GA$_2$~a2×(ŠE$_3$.GU$_4$)|
|GA$_2$~a2×(GU$_4$.ŠE$_3$)| > |GA$_2$~a2×(ŠE$_3$.GU$_4$)|
|GA$_2$~a2×NIM~b1| = |GA$_2$~a1×NIM~b1|
|GA$_2$~a2×NIM~b1| > |GA$_2$~a1×NIM~b1|
GABURRA = |ZATU737×BUR~a|
|(GI+&GI)×ŠE$_3$| > |(GI&GI)×ŠE$_3$|
|GI+A| = |GI×A|
|GI×1(N58)@t| = |GI×1(N58@t)|
|GI×1(N58)@t| > |GI×1(N58@t)|
GI$_6$~a = GI$_6$
|GIR$_3$~c×KAR$_2$| = |GIR$_3$~c×KAR$_2$~b|
|GIR$_3$~c×KAR$_2$| > |GIR$_3$~c×KAR$_2$~b|
GIR$_3$~c@g = GIR$_3$@g~c
|GIŠ×ŠU$_2$~a| = |(GIŠ×ŠU$_2$)~a|
|GIŠ×ŠU$_2$~a| > |(GIŠ×ŠU$_2$)~a|
|GIŠ×ŠU$_2$~b| = |(GIŠ×ŠU$_2$)~b|
|GIŠ×ŠU$_2$~b| > |(GIŠ×ŠU$_2$)~b|
GIŠ~x > GIŠ~v
GIZZAL~x > GIZZAL~v
GU~a = GU
|GU$_4$.ZATU755~a| = |GU$_4$.ZATU755~b|
|GU$_4$.ZATU755~a| > |GU$_4$.ZATU755~b|
*GU$_4$+1N58 > |GU$_4$×1(N58)|
GUG$_2$~a = GUG$_2$
GURUŠDA~a = GURUŠDA
|HI×1(N01)F| > |HI×1(N01@f)|
|HI×1(N57)@t| = |HI×1(N57@t)|
|HI×1(N57)@t| > |HI×1(N57@t)|
|(HI×1(N57))&(HI+1(N57))| > |(HI×1(N57)).(HI×1(N57))|
HI~a = HI
HI@g = HI@g~a
HI~a@g = HI@g~a
|IB~a@n| > IB~a@n
|KA$_2$×LAM| = |KA$_2$~d×LAM~b|
|KA$_2$×LAM| > |KA$_2$~d×LAM~b|
|KASKAL@g| > KASKAL@g
|KAŠ~b×ŠE~a| = |KAŠ~b×ŠE~a@t|
|KAŠ~b×ŠE~a| > |KAŠ~b×ŠE~a@t|
|KAŠ~b@t| > KAŠ~b@t
KI~a = KI
|KI@n+DUB~a| = |KI@n×DUB~a|
|KISAL~b2@t| > KISAL~b2@t
|KUR@g~a| > KUR@g~a
|KUR@g~b| > KUR@g~b
LA = LA~b
|LAGAB~a×DU$_6$~b| = |LAGAB~a×DU$_6$~a|
|LAGAB~a×DU$_6$~b| > |LAGAB~a×DU$_6$~a|
|LAGAB~a×KUŠU$_2$~b| = |LAGAB~a×KUŠU$_2$~a@t|
|LAGAB~a×KUŠU$_2$~b| > |LAGAB~a×KUŠU$_2$~a@t|
|LAGAB~b+LAGAB~b| = |LAGAB~b&LAGAB~b|
|LAGAB~b×LAGAB~b| = |LAGAB~b&LAGAB~b|
|LAGAB~b×(HI×N04)| = |LAGAB~b×(HI×1(N04))|
|LAGAB~b×LAGAB~b| > |LAGAB~b&LAGAB~b|
|LAM~b@t| > LAM~b@t
LUKUR = |SAL.ME~a|
MAR@g~a = MAR~a@g
MAŠNITA = MAŠ$_2$
MUD$_3$@g = MUD$_3$~a@g
|MUŠEN×1(N57)| = |1(N57).MUŠEN|
|MUŠEN×1(N57)| > |1(N57).MUŠEN|
|MUŠEN×2(N57)| = |2(N57).MUŠEN|
|MUŠEN×2(N57)| > |2(N57).MUŠEN|
|MUŠEN×3(N57)| = |3(N57).MUŠEN|
|MUŠEN×3(N57)| > |3(N57).MUŠEN|
|1(N58).BAD~a| > |1(N58).BAD|
|1(N58).BAD~a| = |1(N58).BAD|
|BAD+DIŠ~a| = |1(N58).BAD|
|1(N58).BAD~b| = |(1(N58).BAD)~b|
|1(N58).BAD~b| > |(1(N58).BAD)~b|
NA = NA~a
NAGA = NAGA~a
NERGAL~x > NERGAL~v
|NINDA$_2$×(HI+ME~a)| = |NINDA$_2$×(HI.ME~a)|
|NINDA$_2$×(HI@g~a.1(N06))| = |NINDA$_2$×(1(N06).HI@g~a)|
|NINDA$_2$×(HI@g~a.1(N06))| > |NINDA$_2$×(1(N06).HI@g~a)|
|NINDA$_2$×((UDU~a+TAR)~b)| = |NINDA$_2$×(UDU~a×TAR~b)|
|NINDA$_2$×((UDU~a×TAR)~a)| = |NINDA$_2$×(UDU~a×TAR~a)|
|NINDA$_2$×((UDU~a×TAR)~a)| > |NINDA$_2$×(UDU~a×TAR~a)|
NISAG~a3 = NESAG$_2$~a2
|NU$_{11}$@t| > NU$_{11}$@t
NUNUZ~a1@n = NUNUZ~a0
|NUNUZ~a1@t| > NUNUZ~a1@t
PAP@t = PAP~a@t
|RAD~a@t| > RAD~a@t
RU~a = RU
|RU@t| > RU@t
|SAG+GEŠTU~a| = |SAG×GEŠTU~a|
|SAG+NAM$_2$| = |SAG×NAM$_2$|
|SAG×(UKKIN~b×1(N57))| = |SAG+UKKIN~b×1(N57)|
*SAL.ZATU751~a > |SAL.ZATU751~a|
*SAL+ZATU751~b > |SAL.ZATU751~b|
*SAL+ZATU751~c > |SAL.ZATU751~c|
|SIG×1(N57)| = |1(N57).SIG|
|SIG×1(N57)| > |1(N57).SIG|
SIG$_2$~a = SIG$_2$~a1
|SIG$_2$~b.SIG$_2$~b| = |SIG$_2$~b&SIG$_2$~b|
|SIG$_2$~b.SIG$_2$~b| > |SIG$_2$~b&SIG$_2$~b|
|SILA$_3$~a+GARA$_2$~a| = |SILA$_3$~a×GARA$_2$~a|
|SILA$_3$~a+KAŠ~a| = |SILA$_3$~a×KAŠ~a|
|SILA$_3$~a+MUD$_3$~b| = |SILA$_3$~a×MUD$_3$~b|
SILANITA~a = SILANITA
SUG$_5$~a = SUG$_5$
SUHUR~a = SUHUR
|SUHUR@n| > SUHUR@n

|SUKUD@g~d| > SUKUD@g~d
|SUM~a@t| > SUM~a@t
ŠA$_3$~b1 = ŠA$_3$~a2
|ŠE~a×NAM$_2$| = |ŠE~a.NAM$_2$|
ŠITA~a = ŠITA~a1
|ŠITA~b1×HI@g~a| = |ŠITA~b2@g×HI@g~a|
|ŠITA~b1×HI@g~a| > |ŠITA~b2@g×HI@g~a|
|ŠU$_2$.((HI+1(N57))+(HI+1(N57)))| = |ŠU$_2$.(HI×1(N57))&(HI×1(N57))|
|ŠU$_2$.((HI+1(N57))+(HI+1(N57)))| > |ŠU$_2$.(HI×1(N57))&(HI×1(N57))|
|ŠU$_2$+AN| = |ŠU$_2$.AN|
|ŠU$_2$.AN| = |ŠU$_2$.AN|
|ŠU$_2$×AN| = |ŠU$_2$.AN|
|ŠU$_2$×1(N24)| = |ŠU$_2$.1(N24)|
|ŠU$_2$×3(N57)| = |ŠU$_2$×3(N57)|
TE~a = TE
TI~a = TI
|TUG$_2$~a.(BAD&BAD)| > |TUG$_2$~a.BAD&BAD|
TUKU = KAB
|TUKU+DIŠ| = |KAB×1(N58)|
|TUR$_3$~a@n| > TUR$_3$~a@n
|U$_4$.(1(N14).3(N08))| > |U$_4$.1(N14).3(N08)|
|U$_4$.(1(N14).4(N08))| > |U$_4$.1(N14).4(N08)|
|U$_4$.(1(N14).5(N08))| > |U$_4$.1(N14).5(N08)|
|U$_4$.(1(N14).8(N08))| > |U$_4$.1(N14).8(N08)|
|(U$_4$+1(N14)).1(N08)| = |U$_4$.1(N14).1(N08)|
|U$_4$×(X(N01))| > |U$_4$×N(N01)|
|U$_4$×1(N01)+1(N24)| = |U$_4$×(1(N01).1(N24))|
|U$_4$×1(N01)F| > |U$_4$×1(N01@f)|
|U$_4$×2(N01).(2(N14).1(N08))| > |U$_4$×2(N01).2(N14).1(N08)|
|U$_4$×(1(N14).3(N01)).(1(N14).4(N08))| = |U$_4$×(1(N14).3(N01)).1(N14).4(N08)|
|U$_4$×1(N58)@t| = |U$_4$×1(N58@t)|
|U$_4$×1(N58)@t| > |U$_4$×1(N58@t)|
|(U$_8$×TAR)~b| > |U$_8$×TAR~b|
UDU = UDU~a
|(UDU~a×TAR)~a| > |UDU~a×TAR~a|
|(UDU~a×TAR)~b| > |UDU~a×TAR~b|
|UET$_2$.405| > BAU405
UR = UR~a
|UR~a×KAR$_2$| = |UR~a×KAR$_2$~b|
|UR~a×KAR$_2$| > |UR~a×KAR$_2$~b|
|UR$_2$×TAR| = |UR$_2$×TAR~c|
|UR$_2$×TAR| > |UR$_2$×TAR~c|
|URU~a1+1(N58)| = |URU~a2×1(N58)|
|URU~a1@n| > URU~a1@n
ZA~x > ZA~v
ZABALA~a = ZABALAM~a
|ZATU659×1(N58)@t| = |ZATU659×1(N58@t)|
|ZATU659×1(N58)@t| > |ZATU659×1(N58@t)|
|ZATU683@t| > ZATU683@t
|ZATU737×ŠITA@g~a| > |ZATU737×ŠITA~b1@g|
ZATU741 = |ZATU737×GAR|
|ZATU831@g| > ZATU831@g
|1(N01@r)| > 1(N01@r)
1(N07~a) = 1(N07A)
2(N07~a) = 2(N07A)
3(N07~a) = 3(N07A)
1(N07~b) = 1(N07B)
2(N07~b) = 2(N07B)
3(N07~b) = 3(N07B)
1(N24′) = 1(N24)
1(N24″) = 1(N24)
1(N24~a) = 1(N24A)
1(N24~b) = 1(N24B)
1(N26~b) = 1(N26B)
1(N28~b) = 1(N28B)
1(N28~c) = 1(N28C)
1(N29) = 1(N29A)
1(N29~a) = 1(N29A)
2(N29~a) = 2(N29A)
1(N29~b) = 1(N29B)
1(N29A~b) = 1(N29AB)
2(N29A~b) = 2(N29AB)
1(N29A~c) = 1(N29AC)
1(N30~a) = 1(N30A)
1(N30~b) = 1(N30B)
1(N30~c) = 1(N30C)
1(N30~d) = 1(N30D)
1(N30~e) = 1(N30E)
1(N30A~c) = 1(N30AC)
1(N30C~a) = 1(N30CA)
1(N30C~c) = 1(N30CC)
|1(N34@f@t)| > 1(N34@f@t)
1(N39~a) = 1(N39A)
2(N39~a) = 2(N39A)
3(N39~a) = 3(N39A)
4(N39~a) = 4(N39A)
1(N39~b) = 1(N39B)
2(N39~b) = 2(N39B)
3(N39~b) = 3(N39B)
4(N39~b) = 4(N39B)
1(N42~a) = 1(N42A)
2(N42~a) = 2(N42A)
3(N42~a) = 3(N42A)
4(N42~a) = 4(N42A)
2(N42~b) = 2(N42B)
1(N45~a) = 1(N45A)
1(N58)@t = 1(N58@t)
|1(N58@t)| > 1(N58@t)
|2(N57).DU$_6$~a@n| = X$_2$
|N(N57).GAR| = |X(N57).GAR|
|8(N57).NI~b| > |NI~b×8(N57)|

D PCSL Non-PC25

This table gives every text in the PC corpus that contains one or more unencoded signs, along with a list in the 'Missing' column of the specific signs which are not 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~b×E~a| |DUG~b×3(N57)|
P006071	CDLI Lexical 000023, ex. 096	|DUG~b×(NI~a@g.ZATU779)| |DUG~b×SUKUD~d| |DUG~b×ZATU707~a|

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	|ŠITA~a1×ŠU$_2$|
P006284	MS 4463	|AB~b×ŠA$_3$~a1|
P006288	MS 4485	|UR$_3$~b1×MAŠ| ZATU844
P006289	MS 4486	ZATU845 ZATU846
P006290	MS 4487	|(SUKUD+SUKUD)~d|
P006291	MS 4488	|GA$_2$~a1×NIM~b1| |LAGAB~b×SUH$_3$|
P006292	MS 4489	|LAGAB~a×BIR$_3$~b|
P006293	MS 4490	ZATU848
P006294	MS 4491	|LAGAB~a×KAK~a| ZATU856
P006296	MS 4493	ZATU624~c
P006301	MS 4497	|URU~a1×GU$_4$|
P006307	MS 4503	|AB~b×KU$_6$~a|
P006308	MS 4504	ZATU857
P006316	MS 4530	DUB~b@r KUR~d
P006317	MS 4537	|GIR$_3$~c×KAR$_2$~b|
P006318	MS 4538	ZATU683@t ZATU849

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 Corpus 1.0.1 CDLI 2015-01-01 12; 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))|

E PC25 Not Encoded: Broken

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

PCSL			FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
|AB~a×X|	o0980016	ZERO	F2404						
AMAR@g CDLI: |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		F2415				
|DUG~b×(SI$_4$~a.X)| 1× III: 1p	o0980254	PC25-bk	F2417		F2417				
|DUG~b×X| 128× IV: 3p/3u; III: 110p/14u	o0980272	PC25-bk	1 F20BC F20BB		F20BB	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	PC25-bk ZATU269	F243D						
|LAGAB~a×X| 3× IV: 1p; III: 2p	o0980749	PC25-bk	F2121 1 F2122		F2122				
|MAH~a×X| 7× IV: 5p; III: 6p/1u	o0980823	PC25-bk	F2454			F2454			

|MAR~b×X| 2× III: 2p	o0980837	PC25-bk	F2457		F2457			
|MUŠEN×X|	o0980875	ZERO	F2458					F2458
|NI~b×X| 1× IV: 1p; III: 1p	o0980922	PC25-bk	F245C		F245C			
|NINDA$_2$×(AN.X)| 1× III: 1p	o0980938	PC25-bk	F245D		F245D			
|NINDA$_2$×(HI.X)| 1× III: 1p	o0980949	PC25-bk	F245F					
|NINDA$_2$×(U$_4$.X)| 1× III: 1u	o0980957	UNP	F2460					
|NINDA$_2$×X| 12× IV: 2p/1u; III: 4p/5u	o0980960	PC25-bk	F2463				F2463	
|SILA$_3$~a×X| 17× IV: 7p/5u; III: 10p/2u	o0981125	PC25-bk	F2470			F2470		
|U$_4$×X| 2× III: 1p/1u	o0981350	PC25-bk	F247F					
|U$_4$×(X+2(N01))| 1× III: 1u	o0981351	UNP	F2480					
|U$_4$×2(N01)| 14× III: 13p/1u	o0981355	PC25-bk	F2481				F2481	F2481
|U$_4$×N(N01)| CDLI: |U$_4$×(X(N01))| 1× III: 1u	o0981368	UNP	F2484					
|UKKIN~b×X| 1× III: 1p	o0981421	PC25-bk	F2488					
|URU~a1×X| 2× IV: 1p; III: 2p	o0981471	PC25-bk	F248C			F248C		
ZATU640 1× IV: 1p; III: 1p	o0981556	PC25-bk ZATU640	F2493			F2493		
ZATU650 1× IV: 1p	o0981567	PC25-bk ZATU650	F2495			F2495		
|ZATU651×X| 2× III: 2p	o0981575	PC25-bk	F2496					
ZATU670 1× IV: 1p; III: 1p	o0981591	PC25-bk ZATU670	F2498			F2498		
ZATU704 3× IV: 2p; III: 1p	o0981645	PC25-bk ZATU704	F249C			F249C		
|ZATU711×X| 1× IV: 1p; III: 1p	o0981655	PC25-bk	F249D			F249D		

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

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

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

PCSL	FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS

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

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

PCSL				FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
|A×AB$_2$|			UNP	F2400						
3×	III: 3u	o0980001								
A@t			UNP	F2401						
1×	III: 1u	o0980008								
|AB~a×KU$_6$~a|			ZERO	F2402						
		o0980013	ZATU389							
|AB~a×SUKKAL|			UNP	F2403						
3×	III: 3u	o0980014								
|AB~a×1(N01)|			ZERO	F2405						
		o0980018								
|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$_2$@g			UNP	F2525						
1×		o0980027								
ADDA@t			ZERO	F2409						
		o0980036								
ALAN~d			UNP	F240A						
1×	IV: 1u	o0980044	ZATU025							
AŠ$_2$			UNP	F240C						
1×	III: 1u	o0980074								
|BAR×URI$_3$~a|			NOT	F252C						F252C
		o0980103								
|BAR×UŠ~a|			NOT	F253D						F253D
		o0980104								
|((BU~a.DU$_6$~a)&(BU~a.DU$_6$~a))×UDU~a|			ZERO	F2523						F2523
		o0980116								
|BU~a+TU~b|			ZERO	F2526						F2526
		o0980119								
|BU~a×GIŠ@t|			UNP	F240D						
1×	III: 1u	o0980121								
|BU~a×1(N58)|			UNP	F240E						
1×	III: 1u	o0980122								

DAR~d			UNP	F2410						
1×	III: 1u	o0980150	ZATU069							
DU$_6$~a@n			ZERO	F2539						
		o0980187								
DUB~b@r			UNP	F252A						
1×	IV: 1u	o0980202								
|DUG~a×KASKAL|			UNP	F2412						
1×	III: 1u	o0980214	ZATU103							
|DUG~a×LAM~b|			UNP	F2413						
1×	III: 1u	o0980216	ZATU106							
|DUG~b×E~a|			UNP	F2414						
1×	III: 1u	o0980231								
|DUG~b×(NI~a@g.ZATU779)|			UNP	F2416						
1×	III: 1u	o0980250								
|DUG~b×SUKUD~d|			UNP	F252B						
1×	III: 1u	o0980259	ZATU116							
|DUG~b×ZATU707~a|			UNP	F2418						
1×	III: 1u	o0980273								
|DUG~b×3(N57)|			UNP	F2419						
1×	III: 1u	o0980281								
E~d			UNP	F241A						
1×	IV: 1u	o0980295	ZATU128							
|E$_2$~a×3(N58)|			UNP	F241B						
1×	III: 1u	o0980299								
|EN~c&EN~c|			UNP	F241C						
1×	IV: 1u	o0980313								
EN~e			UNP	F241D						
1×		o0980314	ZATU134							
|EZEN~a×EN~a|			UNP	F2420						
1×	IV: 1u	o0980335	ZATU151							
|EZEN~a×SAG|			UNP	F241E						
1×	III: 1u	o0980345								
|GA$_2$~a1×EN~a|			UNP	F2527						
4×	III: 3u	o0980368								
|GA$_2$~a1×(HI.SUHUR)|			UNP	F2421						
1×	IV: 1u	o0980379	ZATU171							
|GA$_2$~a1×NAGA~a|			UNP	F2422						
1×	III: 1u	o0980385	ZATU177							
|GA$_2$~a1×NIM~b1|			UNP	F2423						
AKA: |GA$_2$~a2×NIM~b1|										
CDLI: |GA$_2$~a2×NIM~b1|										
1×	III: 1u	o0980386								

|GA$_2$~a1×((SUKUD+SUKUD)~a)| AKA: |GA$_2$~a1×(SUKUD&SUKUD)~a| CDLI: |GA$_2$~a1×((SUKUD&SUKUD)~a)| 1× IV: 1u o0980393	UNP	F2424							
|GA$_2$~a1×((SUKUD+SUKUD)~b)| AKA: |GA$_2$~a1×(SUKUD&SUKUD)~b| CDLI: |GA$_2$~a1×((SUKUD&SUKUD)~b)| 1× III: 1u o0980394	UNP	F2425							
|GA$_2$~a2×NI~b| 1× III: 1u o0980406 ZATU178	UNP	F2427							
|GA$_2$~a2×3(N57)| 1× III: 1u o0980411	UNP	F2542							
|GA$_2$~b×KU$_3$~a| 1× III: 1u o0980418 ZATU172	UNP	F242A							
|GA$_2$~b×NUN~b| 1× o0980420	UNP	F252E							
GADA~b 1× IV: 1u; III: 1p o0980428 ZATU186	UNP	F242B							
GALGA~b 3× III: 3u o0980433 ZATU189	UNP	F242C							
|GAN~c×NE~a| 3× III: 3u o0980443 ZATU193	UNP	F242D							
|GAN~c×ŠE~a| 4× III: 4u o0980445 ZATU194	UNP	F242F							
|GAN~c×ŠE$_3$@t| 1× III: 1u o0980446	UNP	F2430							
GARA$_2$~b 2× III: 2u o0980460 ZATU199	UNP	F2431							
|(GI&GI)×ŠE$_3$| CDLI: |(GI+&GI)×ŠE$_3$| 2× III: 2u o0980485 ZATU206	UNP	F2433							
|GI$_4$~a&GI$_4$~a| 1× III: 1u o0980491	UNP	F2435							
GIBIL@t 1× III: 1u o0980496	UNP	F2436							
GIR~d 1× IV: 1u o0980505 ZATU216	UNP	F2437							
GIR$_2$~b o0980507 ZATU218	ZERO	F2438							
|GIR$_3$~c×KAR$_2$~b| AKA: |GIR$_3$~c×KAR$_2$| CDLI: |GIR$_3$~c×KAR$_2$| 3× III: 3u o0980512	UNP	F2439							
|GU$_4$×1(N58)| CDLI: *GU$_4$+1N58 o0982249	ZERO	F2540			F2540				

|GUG$_2$×ŠITA~a1|		UNP	F24FC							
1× III: 1u	o0980554									
GUG$_2$@t		ZERO	F243A							
	o0980556									
|HI×ZATU707~a|		UNP	F243B							
1× IV: 1u	o0980583	ZATU257								
|HI×1(N58)|		UNP	F243C							
1× IV: 1u	o0980588									
HI~b		UNP	F252F							
1×	o0980589	ZATU254								
KA$_2$~c		UNP	F243E							
1× IV: 1u	o0980626	ZATU275								
|KAB×1(N58)|		UNP	F243F							
AKA: |TUKU+DIŠ|										
3× IV: 1u; III: 2u	o0980630	ZATU278								
KAD$_4$~c1		UNP	F2440							
1× IV: 1u	o0980633	ZATU279								
KAD$_4$~c2		UNP	F2441							
1× IV: 1u	o0980634	ZATU279								
KASKAL@g		UNP	F2442							
CDLI: |KASKAL@g|										
1× III: 1u	o0980654									
KAŠ~b@t		ZERO	F2443							
CDLI: |KAŠ~b@t|										
	o0980658									
KISAL~a2		UNP	F2444							
1× IV: 1u	o0980681	ZATU295								
KU$_6$~a@s		UNP	F2445							
1× III: 1u	o0980703	ZATU446								
KUR~d		UNP	F2446							
1× IV: 1u	o0980713	ZATU304								
LA~c		UNP	F2447							
1× III: 1u	o0980723	ZATU306								
|LAGAB~a×BA|		UNP	F2448							
1× III: 1u	o0980728									
|LAGAB~a×BIR$_3$~b|		UNP	F2449							
2× III: 2u	o0980729									
|LAGAB~a×KAK~a|		UNP	F244A							
1× III: 1u	o0980731									
|LAGAB~a×LA$_2$~a|		UNP	F2521							
1×	o0980735									
|LAGAB~a×LAGAB~a|		UNP	F244B							
1× III: 1u	o0980736									
|LAGAB~a×NI~a|		UNP	F2520							
1× III: 1u	o0980738									

|LAGAB~a×SI|		UNP	F244C						
3×	III: 3u	o0980741							
|LAGAB~b×BANŠUR~a|		UNP	F244D						
1×	IV: 1u	o0980755	ZATU309						
|LAGAB~b×GA'AR~a1|		UNP	F244E						
1×	IV: 1u	o0980756	ZATU311						
|LAGAB~b×(HI×1(N04))|		UNP	F251F						
AKA: |LAGAB~b×(HI×N04)|									
1×		o0980758							
|LAGAB~b×SUH$_3$|		UNP	F244F						
1×	III: 1u	o0980762							
|LAL$_2$~a×EZEN~a|		UNP	F2450						
1×	IV: 1u	o0980781	ZATU326						
LAM~b@s		UNP	F2451						
1×	IV: 1u	o0980791	ZATU329						
|LU$_2$×GEŠTU~c3|		UNP	F2452						
1×	III: 1u	o0980797	ZATU333						
MAGUR~b		UNP	F2453						
1×	IV: 1u	o0980809	ZATU340						
|MAH~b×KU$_6$~a|		UNP	F2455						
1×	IV: 1u	o0980826	ZATU343						
|MAH~b×MAŠ|		UNP	F2456						
1×	III: 1u	o0980827	ZATU344						
|MUŠEN×PAP~a|		UNP	F2506						
1×	III: 1u	o0980874							
NA~d		UNP	F2459						
1×	III: 1u	o0980883	ZATU378						
NESAG$_2$~a2		UNP	F2530						
AKA: NISAG~a3									
1×	III: 1u	o0980914	ZATU416						
NESAG$_2$~b@t		UNP	F245A						
1×	III: 1u	o0980916							
|NI~a×1(N57)|		ZERO	F245B						
		o0980919							
NIM~d		UNP	F2531						
1×		o0980931	ZATU398						
|NINDA$_2$×BA|		UNP	F245E						
1×	III: 1u	o0980939	ZATU402						
|NINDA$_2$×(UDU~a×TAR~a)|		UNP	F2461						
AKA: |NINDA$_2$×((UDU~a×TAR)~a)|									
CDLI: |NINDA$_2$×((UDU~a×TAR)~a)|									
1×	III: 1u	o0980958	ZATU410						
|NINDA$_2$×(UDU~a×TAR~b)|		UNP	F2462						
AKA: |NINDA$_2$×((UDU~a+TAR)~b)|									
1×	III: 1u	o0980959	ZATU410						

NUMUN$_2$ 2× III: 2u	o0980980	UNP ZATU420	F2464								
NUNUZ~a1@t CDLI: |NUNUZ~a1@t| 2× III: 2u	o0980994	UNP	F2465								
NUNUZ~b2 1× III: 1u	o0980997	UNP ZATU423	F2466								
|PIRIG~b1×UR$_2$| 2× III: 2u	o0981012	UNP	F2467								
|PIRIG~b1×1(N58@t)|	o0981013	ZERO	F2528								F2528
RAD~a@t CDLI: |RAD~a@t| 2× III: 2u	o0981019	UNP	F2468								
RU@t CDLI: |RU@t|	o0981025	ZERO	F2469								
|SAG×GEŠTU~c| 1× III: 1u	o0981032	UNP ZATU438	F246A								
|SAG×1(N14)| 1× III: 1u	o0981037	UNP ZATU440	F246B								
SIG~b 2×	o0981074	UNP ZATU451	F2532								
SIG@g 1× III: 1u	o0981075	UNP	F246C								
|SIG$_2$~b×1(N14)| 3× IV: 3u	o0981081	UNP ZATU453	F246D								
|SILA$_3$~a×GEŠTU~c5| 1× III: 1u	o0981102	UNP ZATU462 ZATU469	F246E								
|SILA$_3$~a×HI@g~a| 2× IV: 2u	o0981105	UNP ZATU465	F246F								
|SILA$_3$~a×1(N58)| 1× IV: 1u	o0981130	UNP ZATU481	F2471								
SILA$_3$~c 1× III: 1u	o0981137	UNP ZATU456	F2472								
|SILA$_3$~c×ŠU| 1× IV: 1u	o0981138	UNP ZATU476	F2473								
|SILA$_3$~d×NI~a| 2× III: 2u	o0981140	UNP ZATU460	F2474								
|(SUKUD+SUKUD)~d| 3× III: 3u	o0981165	UNP ZATU494	F2475								
SUKUD@h 1× III: 1u	o0981170	UNP	F251C								
SUM~a@t CDLI: |SUM~a@t| 1× III: 1u	o0981172	UNP	F2476								

ŠEN~d		ZERO	F219C 1 F219D 2 F219E						
	o0981216	ZATU521							
ŠIDIM@t		UNP	F2477						
1× IV: 1u	o0981224								
|ŠITA~a1×ŠU$_2$|		UNP	F2478						
1× III: 1u	o0981232								
|ŠITA~a1×UDU~a|		UNP	F2479						
5× III: 5u	o0981233								
|ŠITA~a1×1(N06)|		UNP	F247A						
3× III: 3u	o0981234								
|ŠITA@g~a×1(N04)|		UNP	F247B						
1× III: 1u	o0981244	ZATU531							
|ŠU$_2$×3(N57)|		UNP	F251D						
AKA: |ŠU$_2$×3(N57)| 1×	o0981265								
ŠUR$_2$~c		UNP	F2533						
2×	o0981272	ZATU543							
|TA~d×MAŠ|		UNP	F247C						
1× III: 1u	o0981280								
TUG$_2$~d		UNP	F247D						
1× IV: 1u	o0981311	ZATU555							
TUR$_3$~a@n		UNP	F247E						
CDLI: |TUR$_3$~a@n| 1×	o0981325								
|U$_4$×(1(N14).3(N01))|		UNP	F253C						
1× III: 1u	o0981373								
|U$_4$×2(N14)|		ZERO	F2485				F2485		
	o0981377								
UDU~b		UNP	F2486						
1× IV: 1u	o0981405	ZATU575							
UH		UNP	F2487						
1× III: 1u	o0981410								
UKKIN~d		UNP	F2534						
1×	o0981426	ZATU580							
|UR~a×KAR$_2$~b|		UNP	F2489						
AKA: |UR~a×KAR$_2$| CDLI: |UR~a×KAR$_2$| 1× III: 1u	o0981438								
|UR$_3$~b1×MAŠ|		UNP	F248A						
1× IV: 1u	o0981449								
UR$_3$~d2		UNP	F2535						
1×	o0981451	ZATU591							

|URU~a1×GU$_4$|		UNP	F248B							
1× III: 1u	o0981466									
URU~a1@n		UNP	F248D							
CDLI: |URU~a1@n|										
1× III: 1u	o0981475									
URUDU@g~b		UNP	F248E							
1× IV: 1u	o0981486	ZATU603								
ZUBI~b		UNP	F221D 1 F221E		(a) F221E					
1× III: 1u	o0981525	ZATU619								
ZATU624~c		UNP	F248F							
1× III: 1u	o0981535	ZATU624								
ZATU627		UNP	F2490							
1× IV: 1u	o0981540	ZATU627								
ZATU632~c		UNP	F2491							
1× IV: 1u	o0981548	ZATU632								
ZATU634		UNP	F2492							
1× IV: 1u	o0981551	ZATU634								
|ZATU644~a×1(N14)|		UNP	F2494							
1× IV: 1u	o0981561	ZATU645								
|ZATU651×ŠE~a|		UNP	F2497							
1× III: 1u	o0981574	ZATU657								
ZATU659@t		UNP	F2541							
1×	o0981582									
ZATU683@t		UNP	F2499							
CDLI: |ZATU683@t|										
1× III: 1u	o0981613									
ZATU694~e		ZERO	F2529							F2529
	o0981633	ZATU694								
ZATU697~c		UNP	F249A							
2× III: 2u	o0981638	ZATU697								
ZATU699~a		UNP	F249B							
1× IV: 1u	o0981639	ZATU699								
|ZATU737×E~a|		UNP	F24A1							
1× III: 1u	o0981690									
|ZATU737×I|		UNP	F251B							
1× III: 1u	o0981694									
|ZATU737@t×PAP~a|		UNP	F251A							
1×	o0981705									
|ZATU759×KU$_6$~d|		UNP	F24A3							
1× IV: 1u; III: 1p	o0981724	ZATU760								
ZATU761		UNP	F24A6							
1× III: 1u	o0981727	ZATU761								

ZATU779			ZERO	F24AA					
		o0981747	ZATU779						
ZATU789			ZERO	F24AC					
		o0981757	ZATU789						
ZATU805			UNP	F24AD					
2×	III: 2u	o0981770	ZATU805						
ZATU814			UNP	F24AE					
1×	III: 1u	o0981779	ZATU814						
ZATU815			UNP	F24AF					
1×	III: 1u	o0981780	ZATU815						
ZATU820			UNP	F24B2					
1×	III: 1u	o0981784	ZATU820						
ZATU821			UNP	F24B3					
7×	III: 7u	o0981785	ZATU821						
ZATU822			UNP	F24B4					
1×	III: 1u	o0981786	ZATU822						
ZATU823			UNP	F24B5					
3×	III: 3u	o0981787	ZATU823						
ZATU824			UNP	F24B6					
2×	III: 2u	o0981788	ZATU824						
ZATU825			UNP	F24B7					
2×	III: 2u	o0981789	ZATU825						
ZATU826			UNP	F24B8					
2×	III: 2u	o0981790	ZATU826						
ZATU829			UNP	F24B9					
1×	III: 1u	o0981791	ZATU829						
ZATU831			UNP	F24BA					
2×	III: 2u	o0981792	ZATU831						
ZATU831@g			UNP	F24BB					
CDLI: |ZATU831@g|									
2×	III: 2u	o0981793							
ZATU837~a			UNP	F24BC					
3×	III: 3u	o0981799	ZATU837						
ZATU837~b			UNP	F24BD					
1×	III: 1u	o0981800	ZATU837						
ZATU838			UNP	F24BE					
3×	III: 3u	o0981801	ZATU838						
ZATU839			UNP	F2219					
				1 F221A					
6×	III: 6u	o0981802	ZATU839						
ZATU840			UNP	F24BF					
1×	III: 1u	o0981803	ZATU840						

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

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

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

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
|A×AN|	EDI	F24F2						
o0980002								
A@g	EDI	F24CC						
o0980007								
ALAN~f	EDI	F24CD						
o0980046								
ANZU$_2$	EDI	F222C						
o0980064								
ASAL$_2$	EDI	F24CE						
o0980072								
BAU405	EDI	F24EF						
CDLI: |UET$_2$.405|								
o0980108								
DAG	EDI	F24CF						
o0980142								
|DIM~a×GU|	EDI	F24F3						
o0980175								
|DIM~a×X|	EDI	F24F4						
o0980176								
|DUG~a×HI|	EDI	F24F5						
o0980213								
|DUG~a×X|	EDI	F24F6						
o0980220								
E~e	EDI	F24D0						
o0980296								
ENSI	EDI	F224E						
o0980324								
ENSI$_2$	EDI	F2257						
o0980325								
|EZEN~a×LA~e|	EDI	1 F20CF F20CE						
o0980341								
|GA$_2$~a1×GU$_4$|	EDI	F24F8						
o0980376								
|GA$_2$~a1×NUN~a|	EDI	F24F9						
o0980387								

|GA$_2$~a1×X| 14× IV: 4p; III: 12p/1u	o0980399	PC25-bk	F20D7 1 F20D8		F20D7	F20D7	F20D7	F20D8
GAN~d	o0980450	EDI	F24D2					
|GAN~d×HI|	o0980452	EDI	F24FA					
GEŠTIN~c	o0980463	EDI	F24D3					
|GEŠTIN~c×X|	o0980464	EDI	F24FB					
GIG	o0980498	EDI	F223D					
GIL	o0980499	EDI	F24D4					
GIR$_4$	o0980517	EDI	F24D5					
GIŠ~v CDLI: GIŠ~x	o0980527	EDI	F24D6					
|GIŠ@t.E$_2$~a|	o0980529	EDI	F2243					
|HI×ŠE$_3$@t|	o0980582	EDI	F24FE					
|HI×1(N01@f)| CDLI: |HI×1(N01)F|	o0980584	EDI	F24FD					
HUB$_2$	o0980593	EDI	F24D7					
IGI	o0980602	EDI	F24D8					
IM~a@g	o0980607	EDI	F24D9					
KA$_2$~d	o0980627	EDI	F24DA					
KEŠ$_2$	o0980661	EDI	F24DB					
KU~a@t	o0980694	EDI	F24DC					
KUN	o0980706	EDI	F24DD					
LA~e	o0980725	EDI	F24DE					

|LAGAB~b×SI| o0980761	EDI	F2501						
|LAGAB~b×ŠITA~c| o0980763	EDI	F2500						
|LAGAB~b×X| 1× o0980765	EDI	F2502						
|LAGAB~b×1(N01)| o0980766	EDI	F24FF						
LAK025 o0980774	EDI	F24DF						
LAK050 o0980775	EDI	F24E0						
LAK172 o0980776	EDI	F24E1						
LAK251 o0980777	EDI	F24E2						
LAK350 o0980778	EDI	F24E3						
LAK777 o0980779	EDI	F24E4						
LAL$_3$~c o0980787	EDI	F24E5						
LAM~c o0980793	EDI	F24E6						
LU$_2$@t o0980798	EDI	F24E7						
|MA×X| o0980804	EDI	F2504						
|MA×2(N57)| o0980805	EDI	F2503						
|MUD$_3$~a@g×GU| o0980853	EDI	F2505						
|NINDA$_2$×(GIŠ.DAR~a)| o0980944	EDI	F2508						
|NINDA$_2$×NE~a| o0980953	EDI	F2509						
|NINDA$_2$×ŠIM~a| o0980955	EDI	F250A						
|NINDA$_2$×(X.MAŠ)| o0980961	EDI	F250B						
|NINDA$_2$×1(N06)| o0980966	EDI	F2507						

PA$_3$ o0981001	EDI	F24E8						
RI o0981021	EDI	F24E9						
|SAG×LAM~c| o0981033	EDI	F250C						
|SAG×SAR~a| o0981036	EDI	F250D						
SIKIL o0981092	EDI	F225D						
|SILA$_3$~a×DUG~b| o0981097	EDI	F250E						
|SILA$_3$~b×DUG~a| o0981132	EDI	F250F						
|(SUKUD+SUKUD)~c| o0981164	EDI	F2510		(o) F2510				
ŠITA~c o0981242	EDI	F24EB						
ŠU@s o0981251	EDI	F24EC						
|ŠU$_2$.2(N57)| o0981264	EDI	F2271						
ŠURUPPAK~c o0981275	EDI	F2263						
TA~f o0981282	EDI	F24ED						
TAR~d o0981295	EDI	F24EE						
|TUR×X| o0981321	EDI	F2511						
|TUR$_3$~b×TAK$_4$~a| o0981327	EDI	F2512						
|U$_4$×1(N01@f)| CDLI: |U$_4$×1(N01)F| o0981369	EDI	F2513						
|UKKIN~b×DUG~a| o0981418	EDI	F2514						
URI$_2$ o0981458	EDI	F228E						
|URI$_3$~a+IB~a| o0981460	EDI	F228D						
|URU~a1×A| o0981464	EDI	F2515						

|UŠ~b×TAR~d| o0981493	EDI	F2516						
UŠUR$_3$~a o0981496	EDI	F24F0		(b1) F24F0				
ZADIM o0981512	EDI	F24F1						
|(ZU&ZU).SAR~a| o0981523	EDI	F2518						
|ZATU737×ŠITA~b1@g| CDLI: |ZATU737×ŠITA@g~a| o0981701	EDI ZATU746	F2517						

I PC25 Not Encoded: Delete

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

PCSL		FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
|(BU~a&BU~a).NA$_2$~b| o0982241	DEL ZATU058	F209B						
EZEN~c o0982242	DEL ZATU150	F24D1						
|NINDA$_2$×GUDU$_4$| o0982243	DEL ZATU406	1 F2156 2 F2155 1 F2154 3 F2153						
RI~x o0982244	DEL	F24EA						

J PC25 Not Encoded: Number (non-ACN)

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

PCSL			FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
5(LAGAB~a)	o0981826	NUM	F2543						
10(N01) 2× III: 2p	o0981837	PC25	F00DA						
1(N08~b) 1× III: 1u	o0981901	NUM	F00F5						
2(N08~b) 4× III: 1p/3u	o0981902	PC25	F00F6						
3(N08~b) 1× III: 1u	o0981903	NUM	F00F7						
4(N08~b) 1× III: 1u	o0981904	NUM	F00F8						
4(N08~c) 1× III: 1u	o0981905	NUM	F00F9						
1(N08~v) 1× III: 1u	o0982197	NUM	F00FA						
|1(N08@f)×1(N57)|	o0981908	NUM	F012C						
10(N14) 2×	o0981921	PC25	F00DB						
11(N14) 1×	o0981922	PC25	F00DC						
12(N14) 1×	o0981923	OOR5	F00DD						
22(N14) 1×	o0981924	PC25	F00DE						
10(N14@f)	o0981934	OOR	F00DF						
6(N21) 1× IV: 1p	o0981983	PC25	F00E0						
1(N22~v) 1× III: 1p	o0981986	PC25	F00FD						
1(N23) 2× III: 1p/1u	o0981989	Pelm	F00FE						
2(N23) 1× III: 1p	o0981990	Pelm	F00FF						

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

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

K PC25 Not Encoded: Sequence

This table gives sequences which are not encoded.

PCSL			FONT	CDLI	ATU3	ATU5	MSVO1	MSVO4	CUSAS
ABGAL 51× III: 42p/9u	o0980028	PC25-sq ZATU015	F2082 1 F2083		F2082		F2082		
ABRIG 2× III: 2p	o0980029	PC25-sq ZATU016	F2084 1 F2085		F2085				
|AMAR.1(N02)| 2× III: 2p	o0980054	PC25-sq	F222B				F222B		
|APIN~a.APIN~a| 1× IV: 1p	o0980066	PC25-sq	F222D						
ARARMA$_2$~b 2× IV: 1p; III: 1p	o0980070	PC25-sq ZATU034	F2274			F2274			
ARATTA 1× III: 1p	o0980071	PC25-sq ZATU035	F22A1						
|BU~b.NA$_2$~a| 1× III: 1u	o0980127	UNP	F222E						
|BULUG$_3$.DU$_6$~a|	o0980131	ZERO	F222F						F222F
|DA~a.LIŠ| 1× III: 1u	o0980138	UNP	F2230						
|E$_2$~a.LIŠ| 1× III: 1u	o0980298	UNP	F2232						
|E$_2$~b.LIŠ| 1× III: 1u	o0980302	UNP	F2234						
E$_3$~a 2× IV: 1u; III: 1p/1u	o0980306	UNP ZATU132	F2231						
|EN$_2$.E$_2$~a| 4× III: 1p/3u	o0980318	PC25-sq	F2237						
|EN$_2$.E$_2$~b| AKA: |EN$_2$×E$_2$~b| 21× III: 7p/14u	o0980319	PC25-sq	F2238				F2238		
ENDIB 6× III: 6p	o0980320	PC25-sq ZATU139	F2236		F2236				

ENGIZ		PC25-sq	F20C8 1 F20C9 2 F20CA		F20C8		F20C8	F20C8	
21× III: 20p/1u	o0980321	ZATU140							
ENKUM		PC25-sq	F20CB 1 F20CC		F20CB				
13× III: 9p/4u	o0980322	ZATU141							
ENLIL		ZERO	F2235		F2235				
	o0980323	ZATU142							
ERIM$_2$		PC25-sq	F2255		F2255			F2255	
22× III: 18p/4u	o0980329	ZATU144							
|GA~a.ZATU753|		PC25-sq	F20D1 1 F20D2					F20D2	
85× IV: 1u; III: 63p/21u	o0980359	ZATU161							
GIBIL$_6$		PC25-sq	F20E4 1 F20E5		F20E5				
2× III: 2p	o0980497	ZATU215							
|GIR~a.KU$_6$~a|		PC25-sq	F223E						
1× III: 1p	o0980501								
|GIR~b.GIR~b|		PC25-sq	F223F		F223F				
4× III: 4p	o0980503								
|GIŠ.TE|		PC25-sq	F2242				F2242	F2242	
27× III: 24p/3u	o0980521	ZATU226							
GIZZAL~v		UNP	F223C						
CDLI: GIZZAL~x 1× III: 1u	o0980540	ZATU231							
|GU$_4$.ZATU755~b|		PC25-sq	F2244			F2244			
AKA: |GU$_4$.ZATU755~a| CDLI: |GU$_4$.ZATU755~a| 1× IV: 1p; III: 1p	o0980544								
|GUKKAL~a.HI@g~a|		PC25-sq	F2245			F2245			
2× IV: 2p; III: 2p	o0980558	ZATU241							
|HI.SUHUR|		PC25-sq	1 F20F6 2 F20F7 F20F5		F20F5				
7× IV: 2u; III: 2p/3u	o0980580	ZATU256							

|HI×LAGAB~a|		PC25-sq	F2246				F2246		
3× III: 3p	o0980581								
|(HI×1(N57)).(HI×1(N57))|		PC25-sq	F20F8						
CDLI: |(HI×1(N57))&(HI+1(N57))|			1 F20F9						
1× III: 1p	o0980586								
ILDUM~a		PC25-sq	F2253						
1× IV: 1p	o0980604	ZATU263							
ILDUM~b		PC25-sq	F2254		F2254				
4× III: 4p	o0980605	ZATU263							
|IR~a.GA$_2$~a1|		PC25-sq	F2247						
1× III: 1p	o0980612								
IR$_{11}$		PC25-sq	1 F20FF						
			F20FE						
9× III: 5p/4u	o0980616	ZATU268							
|KA~a.ŠE~a|		PC25-sq	F2108						
			1 F2109						
1× III: 1p	o0980622	ZATU274							
|KAK~a.GA$_2$~a1|		PC25-sq	F2248		F2248				
3× III: 3p	o0980636								
KAR		PC25-sq	F2272		F2272				
7× IV: 2u; III: 5p/1u	o0980650	ZATU283							
KINGAL		PC25-sq	1 F2111		F2110	F2111		F2110	
			F2110						
44× IV: 3p; III: 33p/10u	o0980678	ZATU294							
KIR$_{11}$		PC25-sq	F225E						
22× III: 7p/15u	o0980679								
|KU$_6$~a.1(N02)|		PC25-sq	F224A						
3× III: 3p	o0980700								
|KU$_6$~a+GIŠ|		ZERO	F2249						
	o0980701								
|KUR~a.E$_2$~a|		PC25-sq	F224B						
13× III: 11p/2u	o0980708	ZATU130							
|KUR~a.NUNUZ~a1|		ZERO	F224C						
	o0980709								
|KUR~b.E$_2$~a|		UNP	F224D						
1× IV: 1u; III: 1p	o0980711	ZATU130							
|LAGAB~b.TE|		PC25-sq	128CF						
10× IV: 1p; III: 9p	o0980754								

LAHTAN$_2$ 9× III: 7p/2u	o0980773	PC25-sq ZATU324	F2266		F2266					
LI 7× III: 7p	o0980794	PC25-sq ZATU330	F2126 1 F2127		F2126					
LUGAL 13× IV: 1u; III: 8p/4u	o0980799	PC25-sq ZATU334	1 F212B F212A							
MURUB$_2$ 5× III: 3p/2u	o0980866	PC25-sq ZATU371	F2259							
|MUŠEN.UR$_3$~b2| 2× IV: 1p/1u	o0980872	PC25-sq ZATU377	F213A 1 F213B			F213A				
|MUŠEN.3(N58)| 1× III: 1u	o0980873	UNP	12924							
|1(N02).RU| 1× III: 1p	o0980876	PC25-sq	125BE							
NAMEŠDA 87× IV: 2p/1u; III: 69p/18u	o0980902	PC25-sq ZATU387	1 F2145 F2144		F2145	F2145	F2145	F2145		
NANNA~a 11× III: 6p/5u	o0980903	PC25-sq ZATU388	F2146 1 F2147 2 F2148				(o) F2148			
NANNA~b 2× III: 2p	o0980904	PC25-sq ZATU388	F2265							
NERGAL~v CDLI: NERGAL~x 1× III: 1p	o0980912	PC25-sq ZATU392	F2240		F2240					
|NI~a.RU| 78× III: 78p	o0980918	PC25-sq	F2256				F2256			
NIN 107× IV: 1p/1u; III: 68p/37u	o0980933	PC25-sq ZATU400	F225B		F225B		F225B	F225B		
NINKUM 10× III: 10p	o0980969	PC25-sq ZATU412	F225C		F225C					
NINLIL 4× III: 4p	o0980970	PC25-sq ZATU413	F2233		F2233					

|NUN~b.U$_4$| 1× III: 1p	o0980988	PC25-sq	12978						
|SAL.KUR~a| 50× IV: 3p/1u; III: 35p/12u	o0981042	PC25-sq ZATU201	F2258			F2258	F2258	F2258	
|SAL.LAM~b| 2× III: 2u	o0981043	UNP	F225A						
|SAL.ME~a| AKA: LUKUR 1× III: 1p	o0981044	PC25-sq	129A1						
|SAL.ŠU$_2$| 2× III: 2p	o0981045	PC25-sq	F225F					F225F	
|SAL.ZATU751~a| CDLI: *SAL.ZATU751~a 1× III: 1p	o0981046	PC25-sq	F2260				F2260		
|SAL.ZATU751~b| CDLI: *SAL+ZATU751~b	o0981047	ZERO	F2261				F2261		
|SAL.ZATU751~c| CDLI: *SAL+ZATU751~c 1× III: 1p	o0981048	PC25-sq	F2262						F2262
SIPA 6× III: 6p	o0981147	PC25-sq	F2178 1 F2179		F2179				
SUSA 1× III: 1p	o0981176	PC25-sq ZATU499	F2250		F2250				
ŠAB~a 79× IV: 5p/1u; III: 66p/10u	o0981187	PC25-sq ZATU504	1 F2189 F2188 2 F218A		F218A	F2189	F218A		
ŠAB~b 9× III: 9p	o0981188	PC25-sq ZATU504	1 F218C F218B						
ŠANDANA~a 2× III: 2p	o0981198	PC25-sq	F223B						
ŠANDANA~b 1× III: 1u	o0981199	UNP	F223A						
|ŠE~a.GAR| 2× III: 2p	o0981201	PC25-sq	F2228 1 F2229						F2228 F2229
|ŠE~a.KIN$_2$~c| 5× III: 5p	o0981202	PC25-sq ZATU512	F2190 1 F2191		F2191				

|ŠE~a.NAM$_2$| PC25-sq AKA: |ŠE~a×NAM$_2$| |ŠE~a×NAM$_2$| 109× IV: 10p; III: 64p/39u o0981203 ZATU513	F2192 1 F2193		F2193	F2192	F2193	F2192	
ŠELU PC25-sq 32× IV: 25p; III: 6p/1u o0981211 ZATU520	F2264		F2264				
|ŠU$_2$.AN| UNP AKA: |ŠU$_2$+AN| |ŠU$_2$.AN| |ŠU$_2$×AN| 4× III: 2u o0981253	12A4A						
|ŠU$_2$.E$_2$~a| PC25-sq 9× III: 8p/1u o0981254 ZATU535	F2267				F2267		
|ŠU$_2$.E$_2$~b| PC25-sq 13× III: 10p/3u o0981255 ZATU535	F2268						
|ŠU$_2$.EN~a| PC25-sq 40× IV: 9p/3u; III: 27p/4u o0981256 ZATU536	1 F21A7 F21A6 2 F21A8		F21A8	F21A6	F21A6	F21A6	
|ŠU$_2$.EN~b| UNP 2× IV: 2u o0981257 ZATU536	F2269						
|ŠU$_2$.GIŠ| ZERO o0981258	F226A						
|ŠU$_2$.(HI×1(N57))&(HI×1(N57))| PC25-sq AKA: |ŠU$_2$.((HI+1(N57))+(HI+1(N57)))| CDLI: |ŠU$_2$.((HI+1(N57))+(HI+1(N57)))| 1× III: 1p o0981259	F226B						
|ŠU$_2$.PAP~a| PC25-sq 1× III: 1p o0981260	12A4A						
|ŠU$_2$.URI$_3$~a| PC25-sq 1× III: 1p o0981261	F226E			F226E			
|ŠU$_2$.1(N02)| UNP 2× IV: 1u; III: 1p/1u o0981262	F226F						
|ŠU$_2$.1(N24)| PC25-sq AKA: |ŠU$_2$×1(N24)| 1× III: 1p o0981263	F2270						
ŠURUPPAK~a PC25-sq 48× IV: 3u; III: 37p/10u o0981273 ZATU544	1 F21B0 F21AF		F21AF				
ŠURUPPAK~b PC25-sq 10× IV: 1u; III: 8p/2u o0981274 ZATU544	1 F21B2 F21B1						

TIDNUM 1× III: 1p	o0981301	PC25-sq ZATU552	F2241		F2241				
|TUG$_2$~a.BAD&BAD| CDLI: |TUG$_2$~a.(BAD&BAD)| 35× IV: 1p/2u; III: 23p/10u	o0981307	PC25-sq ZATU556 ZATU558	F21B8 1 F21B9						
|TUR$_3$~a.5(N57)| 1× III: 1p	o0981324	PC25-sq	12A79						
|U$_4$.ŠU$_2$| 11× IV: 2p; III: 9p/2u	o0981333	PC25-sq ZATU568	F2275		F2275	F2275			
|U$_4$.1(N08)| 48× III: 32p/16u	o0981334	PC25-sq	F2276				F2276		
|U$_4$.2(N08)| 12× IV: 1p; III: 11p	o0981335	PC25-sq	F2277				F2277		
|U$_4$.3(N08)| 10× III: 8p/2u	o0981336	PC25-sq	F2278				F2278		
|U$_4$.4(N08)| 2× III: 2p	o0981337	PC25-sq	F2279				F2279		
|U$_4$.5(N08)| 6× III: 5p/1u	o0981338	PC25-sq	F227A				F227A		
|U$_4$.6(N08)| 4× III: 4p	o0981339	PC25-sq	F227B						
|U$_4$.7(N08)| 2× III: 1p/1u	o0981340	PC25-sq	F227C						
|U$_4$.8(N08)| 1× III: 1p	o0981341	PC25-sq	F227D						
|U$_4$.1(N14)| 1× III: 1p	o0981342	PC25-sq	F227E						
|U$_4$.1(N14).1(N08)| AKA: |(U$_4$+1(N14)).1(N08)| 1× III: 1p	o0981343	PC25-sq	12A7F						
|U$_4$.1(N14).3(N08)| CDLI: |U$_4$.(1(N14).3(N08))| 2× III: 2p	o0981344	PC25-sq	F227F						
|U$_4$.1(N14).4(N08)| CDLI: |U$_4$.(1(N14).4(N08))| 1× III: 1p	o0981345	PC25-sq	F2280				F2280		
|U$_4$.1(N14).5(N08)| CDLI: |U$_4$.(1(N14).5(N08))| 4× III: 2p/2u	o0981346	PC25-sq	F2281				F2281		
|U$_4$.1(N14).8(N08)| CDLI: |U$_4$.(1(N14).8(N08))| 1× III: 1p	o0981347	PC25-sq	F2282						
|U$_4$.2(N14)| 2× III: 2p	o0981348	PC25-sq	F2283						

|U$_4$.1(N24)| 3× III: 3p o0981349	PC25-sq		F2284						F2284
|U$_4$×1(N01).5(N08)| 2× III: 1p/1u o0981353	PC25-sq		F2285				F2285		
|U$_4$×2(N01).X| 1× III: 1p o0981356	PC25-sq		F2482						
|U$_4$×2(N01).2(N14)| 1× III: 1p o0981357	PC25-sq		F2286						
|U$_4$×2(N01).2(N14).1(N08)| CDLI: |U$_4$×2(N01).(2(N14).1(N08))| 1× III: 1p o0981358	PC25-sq		F2287				F2287		
|U$_4$×3(N01).3(N08)| 1× III: 1u o0981360	UNP		F2288						
|U$_4$×4(N01).2(N14)| 1× III: 1u o0981362	UNP		F2289						
|U$_4$×5(N01).1(N14)| 1× III: 1p o0981364	PC25-sq		F228A						
|U$_4$×8(N01).X| 1× III: 1p o0981367	PC25-sq		F2483						
|U$_4$×(1(N14).3(N01)).1(N14).4(N08)| AKA: |U$_4$×(1(N14).3(N01)).(1(N14).4(N08))| 1× III: 1u o0981374	UNP		F253C						
URI$_3$~b 1× IV: 1p o0981461 ZATU595	PC25-sq		F228C						
|URU~a1×1(N57)| 1× IV: 1p o0981472 ZATU601	PC25-sq		F22B0						
|URU~a1×2(N57)| 1× IV: 1u o0981473 ZATU601	UNP		F22B1						
UŠUMGAL 5× III: 3p/2u o0981495 ZATU607	PC25-sq		F2239		F2239				
UZ~a 6× III: 1p/2u o0981506 ZATU611	PC25-sq		F21D6 1 F21D7		F21D6	F21D7			
X$_2$ AKA: |2(N57).DU$_6$~a@n| 1× III: 1p o0981508	PC25-sq		12B̄ED						
ZABALAM~a AKA: ZABALA~a 48× III: 31p/17u o0981510 ZATU613	PC25-sq		F224F		F224F				
ZABALAM~b 1× III: 1u o0981511 ZATU613	UNP		F2251						
|ZATU714.RU| 1× IV: 1p; III: 1p o0981658 ZATU716	PC25-sq		F228F			F228F			

|1(N57).AB$_2$|		UNP	F2290						
1× III: 1u	o0982202								
|2(N57).AB$_2$|		PC25-sq	F2291			F2291			
1× IV: 1p; III: 1p	o0982203	ZATU014							
|3(N57).AMAR|		PC25-sq	F2292						
2× III: 1p/1u	o0982204								
|4(N57).AMAR|		PC25-sq	F2293				F2293		
1× III: 1p	o0982205								
|3(N57).AZ|		PC25-sq	12BEE						
3× III: 3p	o0982206								
|3(N57).BAR×UŠ~a|		ZERO	F2294						F2294
	o0982207								
|3(N57).BARA$_3$|		UNP	F2295						
1× III: 1u	o0982208								
|2(N57).BIR$_3$~a|		PC25-sq	F2296						F2296
1× III: 1p	o0982209								
|1(N57).BU$_3$|		PC25-sq	12BEC						
1× III: 1p	o0982210								
|1(N57).E$_2$~a|		ZERO	F2297						F2297
	o0982211								
|3(N57).E$_2$~b|		UNP	F2221 1 F2222						
1× III: 1u	o0982212								
|3(N57).EN$_2$|		PC25-sq	12BEE						
6× III: 6p	o0982213								
|X(N57).GAR|		PC25-sq	F24CB				F24CB		
AKA: |N(N57).GAR| CDLI: |×(N57).GAR|									
1× III: 1p	o0982214								
|3(N57).GAR|		PC25-sq	F2298				F2298		
2× III: 2p	o0982215								
|4(N57).GAR|		PC25-sq	F2299				F2299		
5× III: 5p	o0982216								
|5(N57).GAR|		PC25-sq	F229A				F229A	F229A	
8× III: 8p	o0982217								
|6(N57).GAR|		PC25-sq	F229B				F229B	F229B	
4× III: 3p/1u	o0982218								
|7(N57).GAR|		PC25-sq	12BF2						
1×	o0982219								
|4(N57).KU$_3$~a|		PC25-sq	F229D				F229D		
11× III: 11p	o0982220								
|5(N57).KU$_3$~a|		PC25-sq	F229E				F229E		
4× III: 4p	o0982221								

|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| 23× III: 20p/3u	o0982227	PC25-sq ZATU424	F22A5						
|3(N57).NUNUZ~c| 2× III: 1p/1u	o0982228	PC25-sq ZATU424	F22A6						
|3(N57).PIRIG~b1| 35× IV: 3p/1u; III: 25p/8u	o0982229	PC25-sq ZATU429	F22A7		F22A7	F22A7			
|3(N57).SANGA~a| 1× III: 1p	o0982230	PC25-sq	12BEE						
|3(N57).SI| 2× III: 2p	o0982231	PC25-sq	12BEE						
|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		F22AA				
|1(N57).ŠUBUR| 40× IV: 8p/1u; III: 27p/10u	o0982235	PC25-sq ZATU540	F221F 1 F2220		F2220	F221F F2220		F2220	
|2(N57).ŠUBUR| 2× III: 2p	o0982236	PC25-sq	F22AB		F22AB				
|3(N57).ŠUBUR| 3× III: 3p	o0982237	PC25-sq ZATU540	F22AC		F22AC				
|3(N57).UDU~a|	o0982238	ZERO ZATU577	F22AD						F22AD

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

L 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	o0980034	PC25	126A4 F2086		126A4	126A4		126A4	
ARARMA$_2$~a 126C0	o0980069	PC25	F208C 126C0		126C0				
ASAR 126C1	o0980073	PC25	126C1		126C1				
AZ 126C2	o0980075	PC25	126C2						
BAPPIR~a 126D7	o0980096	PC25	126D7						
BAPPIR~b 126D8	o0980097	PC25	126D8		126D8				
BAPPIR~c 126D9	o0980098	PC25	126D9						
BAPPIR~d 126DA	o0980099	PC25	126DA		126DA			126DA	
BAPPIR~e 126DB	o0980100	PC25	126DB						
BAPPIR~f 126DC	o0980101	PC25	126DC						
KITI 128A5	o0980692	PC25	F2117 128A5 F2118		F2118			F2117	
ME$_3$ 1290A	o0980843	PC25	1290A						
|1(N58).BAD| 12925	o0980877	PC25	12925		(a) 12925	(a) 12925	(a) 12925	(a) 12925	

|(1(N58).BAD)~b| 12926	o0980878	PC25	12926 F2223		F2223	12926 F2223		
|3(N58).UR$_3$~b1| 12927	o0980879	PC25	12927		12927			
SILANITA 129F5	o0981145	PC25	129F5					
ŠAGINA 12A1A	o0981190	PC25	12A1A		12A1A			
UDUNITA~a 12AA8	o0981407	PC25	12AA8		12AA8	12AA8	12AA8	12AA8
UDUNITA~b 12AA9	o0981408	PC25	12AA9			12AA9		
UDUNITA~c 12AAA	o0981409	PC25	12AAA			12AAA		
UTUA~a 12AF0	o0981499	PC25	12AF0			12AF0	12AF0	12AF0
UTUA~a@t 12AF1	o0981500	PC25	12AF1			12AF1		
UTUA~b 12AF2	o0981501	PC25	F21D5 12AF2		F21D5	F21D5 12AF2		
UTUL~a 12AF3	o0981502	PC25	12AF3		12AF3	12AF3	12AF3	12AF3
UTUL~b 12AF4	o0981503	PC25	12AF4		12AF4			
UTUL~c 12AF5	o0981504	PC25	12AF5			12AF5		
UTUL~d 12AF6	o0981505	PC25	12AF6			12AF6		
ZUBI~a 12B03	o0981524	PC25	12B03					

M 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)| 𒀭.𒁍	F222B	𒀭 u126B4_u125BE.liga
|AN.IM~a.GI_6| |AN.IM~a.GI_6| 𒀭.𒅗𒁉.𒄀	F222C	𒀭𒅗𒄀 u126B7_u12861_u1288E.liga
|APIN~a.APIN~a| |APIN~a.APIN~a| 𒄿.𒄿	F222D	𒄿𒄿 u126BD_u126D2.liga
|BU~b.NA_2~a| |BU~b.NA_2~a| 𒁹.𒈨	F222E	𒁹𒈨 u126ED_u12A10.liga
|$BULUG_3$.DU_6~a| |$BULUG_3$.DU_6~a| 𒁺.𒁲	F222F	𒁺𒁲 u126F0_u12750.liga
|DA~a.LIŠ| |DA~a.LIŠ| 𒁀.𒄩	F2230	𒁀𒄩 u126F6_u129B5.liga
|DU.ME~a.NUN~a| |DU.ME~a.NUN~a| 𒁍.𒈨.𒉡	F2084	𒁍𒈨𒉡 u1271E_u12908_u12A74.liga
|DU.U_4.1(N14).1(N08)| |DU.U_4| 𒁍.𒌋	F2231	𒁍𒌋 u1271E_u12BE1.liga
|E_2~a.LIŠ| |E_2~a.LIŠ| 𒂍.𒄩	F2232	𒂍𒄩 u1277F_u129B5.liga
|E_2~a.NUN~a| |E_2~a.NUN~a| 𒂍.𒉡	F2233	𒂍𒉡 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| 𒆠.𒄀	F2249	u128AB_u128A7.liga
|KU$_6$~a.1(N02)| |KU$_6$~a.1(N02)| 𒆠.𒁹	F224A	u128AB_u125BE.liga
|KUR~a.E$_2$~a| |KUR~a.E$_2$~a| 𒆜.𒂍	F224B	u128AF_u127CA.liga
|KUR~a.NUNUZ~a1| |KUR~a.NUNUZ~a1| 𒆜.𒌋𒁹	F224C	u128AF_u12A82.liga
|KUR~a.RU| |KUR~a.RU| 𒆜.𒁕	F21B0	u128AF_u12AA5.liga
|KUR~a.RU| |KUR~a.RU|~1 𒆜.𒁕	F21AF	u128AF_u12AA5.liga.cv01
|KUR~b.E$_2$~a| |KUR~b.E$_2$~a| 𒆠.𒂍	F224D	u128B0_u127CA.liga
|LAGAB~b.TE| |LAGAB~b.TE| 𒈦.𒉺	0	u128CF_u12BB9.liga
|ME~a.EN~a.ŠE~a.ŠA| |ME~a.EN~a∘ŠE~a∘ŠA| 𒈨.𒂗𒍪∘𒋗𒊭∘𒊩	F224E	u12908_u12787_u12A22_u12B37.liga
|MUŠ$_3$~a.AB~a| |MUŠ$_3$~a.AB~a| 𒈬.𒀀	F224F	u12921_u12698.liga
|MUŠ$_3$~a.ERIN| |MUŠ$_3$~a.ERIN| 𒈬.𒌝	F2250	u12921_u127EF.liga
|MUŠ$_3$~a.UNUG~a| |MUŠ$_3$~a.UNUG~a| 𒈬.𒌦	F2251	u12921_u12C44.liga
|MUŠEN.ŠE~a| |ŠE~a∘MUŠEN| 𒋗𒊭∘𒄷	F21D6	u12A22_u12A05.liga

|MUŠEN.ŠE~a| |MUŠEN.ŠE~a| 𒌋𒁍.𒄷𒄷𒄷𒄷𒄷𒄷	F21D7	u12924_u12B52.liga
|MUŠEN.UR$_3$~b2| |MUŠEN.UR$_3$~b2| 𒌋𒁍.𒌑𒌑𒌑	F213A	u12924_u12C58.liga
|MUŠEN.UR$_3$~b2| |MUŠEN.UR$_3$~b2|~1 𒌋𒁍.𒌑𒌑𒌑	F213B	u12924_u12C58.liga.cv01
|1(N02).RU| |1(N02).RU| 𒁹.𒁹	F2252	u125BE_u12AA5.liga
|NAGAR~a.BU~a| |NAGAR~a.BU~a| 𒀭𒊩.𒌋𒌋𒌋𒌋𒌋𒌋	F2253	u12933_u1270B.liga
|NAGAR~a.BU~a| |NAGAR~b.BU~a| 𒀭𒊩.𒌋𒌋𒌋𒌋𒌋𒌋	F2254	u12934_u1270B.liga
|NE~a.GI| |NE~a°GI| 𒈨𒄀°𒄀𒄀𒄀𒄀𒄀𒄀	F20E5	u12940_u12878.liga
|NE~a.GI| |NE~c°GI| 𒈨𒄀°𒄀𒄀𒄀𒄀𒄀𒄀	F20E4	u12942_u12878.liga
|NE~a.RU| |NE~a.RU| 𒈨𒄀.𒁹	F2255	u12940_u12AA5.liga
|NI~a.RU| |NI~a.RU| 𒄀.𒁹	F2256	u12946_u12AA5.liga
|NUN~a.ME~a| |NUN~a.ME~a| 𒉈𒄀.𒈨	F2082	u12972_u129E2.liga
|NUN~a.ME~a| |NUN~a+ME~a| 𒉈𒄀+𒈨	F2083	u12972_u129E2.liga.cv01
|NUN~a.ME~a.DU| |NUN~a.ME~a.DU| 𒉈𒄀.𒈨.𒁺	F2085	u12972_u12908_u1274D.liga
|NUN~b.U$_4$.U$_4$.1(N14).1(N08)| |NUN~b.U$_4$| 𒉈𒁀.𒌓	0	u12978_u12BE1.liga

|PA~a.IB~a| |PA~a∘IB~a|	F2189	u12981_u128F4.liga
|PA~a.IB~a| |PA~a.IB~a|	F2188	u12981_u128F4.liga.cv01
|PA~a.IB~a| |PA~a∘IB~a|~1	F218A	u12981_u128F4.liga.cv02
|PA~a.TE.SI| |PA~a.TE.SI|	F2257	u12981_u12A62_u12AC7.liga
|PA~a.UDU~a| |PA~a.UDU~a|	F2178	u12981_u12C25.liga
|PA~a.UDU~a| |PA~a.UDU~a|~1	F2179	u12981_u12C25.liga.cv01
|PAP~a.IB~a| |PAP~a.IB~a|	F218B	u12985_u128F4.liga
|PAP~a.IB~a| |IB~a∘PAP~a|	F218C	u12859_u12A91.liga
|SAL.KUR~a| |SAL.KUR~a|	F2258	u129A1_u1296C.liga
|SAL.LAGAR~a| |SAL.LAGAR~a|	F2259	u129A1_u129A0.liga
|SAL.LAM~b| |SAL.LAM~b|	F225A	u129A1_u129B1.liga
|SAL.ME~a| |SAL.ME~a|	0	u129A1_u129E2.liga
|SAL.NAM$_2$| |SAL.NAM$_2$|	F225B	u129A1_u12A23.liga
|SAL.NAM$_2$.EZEN~b×ŠE~a.NUN~a.SIG$_7$| |SAL.NAM$_2$.EZEN~b×ŠE~a@t∘NUN~a.SIG$_7$|	F225C	u129A1_u12939_u127A2_u12972_u12AE3.liga

|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| |ŠU$_2$.EN~a|~1 .	F21A6	u12A4A_u127D9.liga.cv01
|ŠU$_2$.EN~a| |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)| 𝍸.𝍷	𝍸𝍷 F2278	𝍸𝍷 u12A7F_u1255B.liga
|U_4.4(N08)| |U_4.4(N08)| 𝍸.𝍷𝍷	𝍸𝍷𝍷 F2279	𝍸𝍷𝍷 u12A7F_u1255C.liga
|U_4.5(N08)| |U_4.5(N08)| 𝍸.𝍷𝍷𝍷	𝍸𝍷𝍷𝍷 F227A	𝍸𝍷𝍷𝍷 u12A7F_u1255D.liga
|U_4.6(N08)| |U_4.6(N08)| 𝍸.𝍷𝍷𝍷𝍷	𝍸𝍷𝍷𝍷𝍷 F227B	𝍸𝍷𝍷𝍷𝍷 u12A7F_u1255E.liga
|U_4.7(N08)| |U_4.7(N08)| 𝍸.𝍷𝍷𝍷𝍷𝍷	𝍸𝍷𝍷𝍷𝍷𝍷 F227C	𝍸𝍷𝍷𝍷𝍷𝍷 u12A7F_u1255F.liga
|U_4.8(N08)| |U_4.8(N08)| 𝍸.𝍷𝍷𝍷𝍷𝍷𝍷	𝍸𝍷𝍷𝍷𝍷𝍷𝍷 F227D	𝍸𝍷𝍷𝍷𝍷𝍷𝍷 u12A7F_u12560.liga
|U_4.1(N14)| |U_4.1(N14)| 𝍸.•	𝍸• F227E	𝍸• u12A7F_u12562.liga
|U_4.1(N14).1(N08)| |U_4.1(N14).1(N08)| 𝍸.•.𝍷	0	𝍸•𝍷 u12A7F_u12562_u12559.liga
|U_4.1(N14).3(N08)| |U_4.1(N14).3(N08)| 𝍸.•.𝍷𝍷	𝍸•𝍷𝍷 F227F	𝍸•𝍷𝍷 u12A7F_u12562_u1255B.liga
|U_4.1(N14).4(N08)| |U_4.1(N14).4(N08)| 𝍸.•.𝍷𝍷𝍷	𝍸•𝍷𝍷𝍷 F2280	𝍸•𝍷𝍷𝍷 u12A7F_u12562_u1255C.liga
|U_4.1(N14).5(N08)| |U_4.1(N14).5(N08)| 𝍸.•.𝍷𝍷𝍷𝍷	𝍸•𝍷𝍷𝍷𝍷 F2281	𝍸•𝍷𝍷𝍷𝍷 u12A7F_u12562_u1255D.liga
|U_4.1(N14).8(N08)| |U_4.1(N14).8(N08)| 𝍸.•.𝍷𝍷𝍷𝍷𝍷𝍷	𝍸•𝍷𝍷𝍷𝍷𝍷𝍷 F2282	𝍸•𝍷𝍷𝍷𝍷𝍷𝍷 u12A7F_u12562_u12560.liga
|U_4.2(N14)| |U_4.2(N14)| 𝍸.⁚	𝍸⁚ F2283	𝍸⁚ u12A7F_u12563.liga

|U$_4$.1(N24)| |U$_4$.1(N24)| 𒌋𒁹.𒁹	𒌋𒁹 F2284	𒌋𒁹 u12A7F_u125AA.liga
|U$_4$×1(N01).5(N08)| |U$_4$×1(N01).5(N08)| 𒌋𒁹.𒁹𒁹𒁹𒁹𒁹	𒌋𒁹𒁹𒁹𒁹𒁹 F2285	𒌋𒁹𒁹𒁹𒁹𒁹 u12A80_u1255D.liga
|U$_4$×2(N01).2(N14)| |U$_4$×2(N01).2(N14)| 𒌋𒁹.𒁹𒁹	𒌋𒁹𒁹 F2286	𒌋𒁹𒁹 uF2481_u12563.liga
|U$_4$×2(N01).2(N14).1(N08)| |U$_4$×2(N01).2(N14).1(N08)| 𒌋𒁹.𒁹𒁹.𒁹	𒌋𒁹𒁹𒁹 F2287	𒌋𒁹𒁹𒁹 uF2481_u12563_u12559.liga
|U$_4$×3(N01).3(N08)| |U$_4$×3(N01).3(N08)| 𒌋𒁹.𒁹𒁹𒁹	𒌋𒁹𒁹𒁹 F2288	𒌋𒁹𒁹𒁹 u12A82_u1255B.liga
|U$_4$×4(N01).2(N14)| |U$_4$×4(N01).2(N14)| 𒌋𒁹.𒁹𒁹	𒌋𒁹𒁹 F2289	𒌋𒁹𒁹 u12A83_u12563.liga
|U$_4$×5(N01).1(N14)| |U$_4$×5(N01).1(N14)| 𒌋𒁹.𒁹	𒌋𒁹 F228A	𒌋𒁹 u12A84_u12562.liga
|U$_4$×(1(N14).3(N01)).1(N14).4(N08).1(N14).4(N08)| |U$_4$×(1(N14).3(N01)).1(N14).4(N08)| 𒌋𒁹.𒁹.𒁹𒁹𒁹𒁹	𒌋𒁹𒁹𒁹𒁹 F228B	𒌋𒁹𒁹𒁹𒁹 uF253C_u12562_u1255C.liga
|URI$_3$~a.AB~a| |URI$_3$~a.AB~a| 𒀀𒀀.𒀀	𒀀 F228C	𒀀 u12AD4_u12698.liga
|URI$_3$~a.IB~a| |URI$_3$~a.IB~a| 𒀀𒀀.𒀀	𒀀𒀀 F228D	𒀀𒀀 u12AD4_u128F4.liga
|URI$_3$~a.NA~a| |URI$_3$~a∘NA~a| 𒀀𒀀∘𒀀	𒀀𒀀 F2147	𒀀𒀀 u12AD4_u12A0B.liga
|URI$_3$~a.NA~a| |URI$_3$~a.NA~a| 𒀀𒀀.𒀀	𒀀𒀀 F2146	𒀀𒀀 u12AD4_u12A0B.liga.cv01
|URI$_3$~a.NA~a| |URI$_3$~a.NA~a|~1 𒀀𒀀.𒀀	𒀀𒀀 F2148	𒀀𒀀 u12AD4_u12A0B.liga.cv02

|URI$_3$~a.UNUG~a| |URI$_3$~a.UNUG~a| 𓄿𓂋𓂝.𓂋	F228E	𓄿𓂋𓂝 u12AD4_u12C44.liga
|UŠ~a.KUR~a| |UŠ~a.KUR~a| 𓀠𓄿.𓂷	F20FF	𓀠𓄿𓂷 u12AE9_u1296C.liga
|UŠ~a.KUR~a| |UŠ~b.KUR~a| 𓀠𓄿.𓂷	F20FE	𓀠𓄿𓂷 u12AEB_u1296C.liga
|ZATU714.RU| |ZATU714.RU| 𓆑.𓊪	F228F	𓆑𓊪 u12B76_u12AA5.liga
|1(N57).AB$_2$| |1(N57).AB$_2$| 𓀭.𓄤	F2290	𓀭𓄤 u12BEC_u126A7.liga
|2(N57).AB$_2$| |2(N57).AB$_2$| 𓀬.𓄤	F2291	𓀬𓄤 u12BED_u126A7.liga
|3(N57).AMAR| |3(N57).AMAR| 𓀭.𓇳	F2292	𓀭𓇳 u12BEE_u126C5.liga
|4(N57).AMAR| |4(N57).AMAR| 𓀬.𓇳	F2293	𓀬𓇳 u12BEF_u126C5.liga
|3(N57).AZ| |3(N57).AZ| 𓀭.𓋴	0	𓀭𓋴 u12BEE_u126DC.liga
|3(N57).BAR×UŠ~a| |3(N57).BAR×UŠ~a| 𓀭.𓀠	F2294	𓀭𓀠 u12BEE_uF3095.liga
|3(N57).BARA$_3$| |3(N57).BARA$_3$| 𓀭.𓃀	F2295	𓀭𓃀 u12BEE_u12702.liga
|2(N57).BIR$_3$~a| |2(N57).BIR$_3$~a| 𓀬.𓄿	F2296	𓀬𓄿 u12BED_u12706.liga
|1(N57).BU$_3$| |1(N57).BU$_3$| 𓀭.𓄠	0	𓀭𓄠 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$_2$| |3(N57).EN$_2$| ≡.✳	0	≡✳ u12BEE_u127E3.liga
|3(N57).GAR| |3(N57).GAR| ≡.▷	≡▷ F2298	≡▷ u12BEE_u12868.liga
|4(N57).GAR| |4(N57).GAR| ≣.▷	≣▷ F2299	≣▷ u12BEF_u12868.liga
|5(N57).GAR| |5(N57).GAR| ≣.▷	≣▷ F229A	≣▷ u12BF0_u12868.liga
|6(N57).GAR| |6(N57).GAR| ≣.▷	≣▷ F229B	≣▷ u12BF1_u12868.liga
|7(N57).GAR| |7(N57).GAR| ≣.▷	≣▷ F229C	≣▷ u12BF2_u12868.liga
|4(N57).KU$_3$~a| |4(N57).KU$_3$~a| ≣.𓎆	≣𓎆 F229D	≣𓎆 u12BEF_u12963.liga
|5(N57).KU$_3$~a| |5(N57).KU$_3$~a| ≣.𓎆	≣𓎆 F229E	≣𓎆 u12BF0_u12963.liga
|6(N57).KU$_3$~a| |6(N57).KU$_3$~a| ≣.𓎆	≣𓎆 F229F	≣𓎆 u12BF1_u12963.liga
|2(N57).KU$_6$~a| |2(N57).KU$_6$~a| =.𓏏	=𓏏 F22A0	=𓏏 u12BED_u12965.liga

|3(N57).LAM~a.KUR~a.RU| |3(N57).LAM~a.KUR~a.RU| 𒌋𒀭.𒀭.𒄷	𒌋𒀭𒀭𒄷 F22A1	𒌋𒀭𒀭𒄷 u12BEE_u128E0_u128AF_u12AA5.liga
|1(N57).MUŠEN| |1(N57).MUŠEN| 𒁹.𒄩	𒁹𒄩 F22A2	𒁹𒄩 u12BEC_u12A05.liga
|2(N57).MUŠEN| |2(N57).MUŠEN| 𒁽.𒄩	𒁽𒄩 F22A3	𒁽𒄩 u12BED_u12A05.liga
|3(N57).MUŠEN| |3(N57).MUŠEN| 𒌋.𒄩	𒌋𒄩 F22A4	𒌋𒄩 u12BEE_u12A05.liga
|3(N57).NUNUZ~a1| |3(N57).NUNUZ~a1| 𒌋.𒇲	𒌋𒇲 F22A5	𒌋𒇲 u12BEE_u12A82.liga
|3(N57).NUNUZ~c| |3(N57).NUNUZ~c| 𒌋.𒇷	𒌋𒇷 F22A6	𒌋𒇷 u12BEE_u12A87.liga
|3(N57).PIRIG~b1| |3(N57).PIRIG~b1| 𒌋.𒊩	𒌋𒊩 F22A7	𒌋𒊩 u12BEE_u12A98.liga
|3(N57).RU| |3(N57).RU| 𒌋.𒄷	𒌋𒄷 F21B2	𒌋𒄷 u12BEE_u12AA5.liga
|3(N57).RU| |3(N57).RU|~1 𒌋.𒄷	𒌋𒄷 F21B1	𒌋𒄷 u12BEE_u12AA5.liga.cv01
|3(N57).SANGA~b| |3(N57).SANGA~a| 𒌋.𒋗	0	𒌋𒋗 u12BEE_u12ABC.liga
|3(N57).SI| |3(N57).SI| 𒌋.𒋤	0	𒌋𒋤 u12BEE_u12AC7.liga
|1(N57).SIG| |1(N57).SIG| 𒁹.𒋧	𒁹𒋧 F22A8	𒁹𒋧 u12BEC_u12ACF.liga
|2(N57).SU~a| |2(N57).SU~a| 𒁽.𒋩	𒁽𒋩 F22A9	𒁽𒋩 u12BED_u12B1D.liga

|1(N57).ŠAH$_2$~a| |1(N57).ŠAH$_2$~a| −.𒄭𒁹𒁹𒁹	F22AA	𒄭𒁹𒁹𒁹 u12BEC_u12B49.liga
|1(N57).ŠUBUR| |ŠUBUR×1(N57)| 𒁹×−	F221F	𒁹 u12A4C_uF0110.liga
|1(N57).ŠUBUR| |1(N57).ŠUBUR| −.𒄭𒌋𒁕	F2220	𒄭𒌋𒁕 u12BEC_u12B9E.liga
|2(N57).ŠUBUR| |2(N57).ŠUBUR| =.𒄭𒌋𒁕	F22AB	𒄭𒌋𒁕 u12BED_u12B9E.liga
|3(N57).ŠUBUR| |3(N57).ŠUBUR| ≡.𒄭𒌋𒁕	F22AC	𒄭𒌋𒁕 u12BEE_u12B9E.liga
|3(N57).UDU~a| |3(N57).UDU~a| ≡.𒌓	F22AD	𒌓 u12BEE_u12C25.liga
|2(N57).UDUNITA~a| |2(N57).UDUNITA~a| =.𒌓𒄀	F22AE	𒌓𒄀 u12BED_u12C2A.liga
|3(N57).UDUNITA~a| |3(N57).UDUNITA~a| ≡.𒌓𒄀	F22AF	𒌓𒄀 u12BEE_u12C2A.liga
|1(N57).URU~a1| |1(N57).URU~a1| −.𒌅	F22B0	𒌅 u12BEC_u12C63.liga
|2(N57).URU~a1| |2(N57).URU~a1| =.𒌅	F22B1	𒌅 u12BED_u12C63.liga

N Implementation Notes on Sequences

This section provides some background on how PCSL handles sequences.

N.1 Sequences have constant character names

In PCSL, the tag @sign is used for sign names and is dissociated from glyph names. All of the variants of a sequences are grouped under a single @sign. The sign name is composed of a conventional ordering of the sequence, with each component joined by periods ('.'). Each sign name is unique among the set of sign names.
If there is an attested simple linear sequence for a sequence character, that form is selected for the character name. The mnemonically named LUGAL occurs in a simple linear sequence as |GAL~a.LU$_2$|, so that is used as the name of the character.

N.2 Glyphs have unique names

PCSL uses a new tag, @glyf to clarify the separation of character names versus glyph names. Glyph names consist of a name conforming to an extended set of rules for grapheme naming and possibly a variant tag, consisting of a tilde and a sequence of one or more digits. One glyph name for LUGAL is |GAL~a.LU$_2$~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.

N.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 𒁹 could reasonably be described as |PAP~a.IB~a| or |IB~a∘PAP~a|. The former is preferred because it follows the character name.
Similarly, glyph names do not remap or normalize variant components that are considered distinct signs in PCSL. Thus, for character |UŠ~a.KUR~a| there are glyphs |UŠ~a.KUR~a| and |UŠ~b.KUR~a|; similarly, for |EN~a.EZEN~b×ŠE~a.NUN~a.SIG$_7$| there are glyphs |EN~a.EZEN~b×ŠE~a@t∘NUN~a.SIG$_7$| and (with a distinct component) |EN~a.BAHAR$_2$~b∘SIG$_7$.ME~a.NUN~a|.

N.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.NAM$_2$| has two glyph forms, named |ŠE~a.NAM$_2$|~1 and |ŠE~a.NAM$_2$|~2. These are mapped, schematically, to ŠE~a_u200D_NAM$_2$ and ŠE~a_u200D_NAM$_2$.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).

O Fonts for the Proposal

The proposal is supported by two fonts:

O.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

0.2 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.