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# Cunéiformes

## Edition of UGU 1 (=BAM 480 etc.)

Martin Worthington

This article presents an edition of the first tablet of the UGU series, the second having been edited by Attia and Buisson in *JMC* 1 (2003). The text was collated, and is published with the gracious consent of the trustees of the British Museum.

Being the first instalment of a series ordered *a capite ad calcem*, the text is logically enough given over to complaints of the head. The ailments include fever, hair loss, and some quite complex combinations of symptoms. Treatments include rituals, incantations, fumigations, and pharmacological remedies, and there is one (difficult) surgical passage.

The principal manuscript for UGU 1 is the tablet K. 2354+, first copied by R. Campbell Thompson in *Cuneiform Texts in the British Museum* XXIII (1906), plates 23-38, and subsequently by Franz Köcher in *Die babylonisch-assyrische Medizin* V (1980), 480. Another manuscript of UGU 1, published in cuneiform copy as *BAM* 4, is much less well preserved, being only a large fragment. A significant number of the recipes from UGU 1 appear also on non-canonical tablets, especially *BAM* 3 and the text first published by Jastrow in the *Transactions of the College of Physicians of Philadelphia* 15 (1913) now available in the welcome new transliteration of Scurlock, "Collation of the Jastrow", *Le Journal des Médecines Cunéiformes* 2 (2003), 16-17. These are of great assistance in reconstructing the text of UGU 1 where the canonical manuscripts are broken.

Though this is not the place for a detailed study of the palaeography of *BAM* 480, it is worth noting several features of interest kindly brought to my attention by Irving Finkel. Sometimes signs are squashed, probably so as to make fit a text copied from a tablet with wider columns. In several places, tell-tale traces indicate that a word or line has been re-written. Unusually for a Kuyunjik tablet, two entire lines (179-80' = iii.46-7) have been deliberately erased by scratching the surface, apparently when already dry, with an implement which produced furrows several millimetres wide and deep. Traces survive above and below the edges of the furrows, which at present are illegible.

A translation of UGU 1 and the duplicates then available was published by Campbell Thompson in the *American Journal of Semitic Languages and Literatures* 54 (1937), but without transliteration. While this is the first full edition of the text, my debt to Campbell Thompson is great. The edition has benefited greatly from the scrutiny of a number of scholars who gave patiently and generously of their time and learning at various stages in its development. I would like to thank: Nicholas Postgate, Irving Finkel, James Kinnier Wilson, Marten Stol and Mark Geller. The edition also owes much to the patience, thoroughness and critical acumen of the editors of this journal, Annie Attia and Gilles Buisson, who saved me from a multitude of inconsistencies, and contributed valuable suggestions. Responsibility for any errors remaining is my own.

The only major departure from Köcher's reconstruction of the text was the decision to exclude the fragment K. 13417 from *BAM* 480, which Köcher joined to K. 2354+, column i lines 11-17. The exclusion was decided on because it is difficult to reconcile the text of K. 13417 with that of the duplicates B and D (i.e. *BAM* 3 and 4) in lines 11 and 12 of the tablet. It is, of course, possible that K. 13417 should be joined to K. 2354+ elsewhere. The fragment is transliterated here separately:

- 1' [...] 1/3 sil[a ...]
- 2' [...] SAR-ab lal-ma ud 3 [kam ...]
- 3' [...] ina i.udu ur.mah súd [...]
- 4' [...] x<sup>u</sup> za.ba.lam 1/3 sila [...]
- 5' [...] s]ila<sub>11</sub>-aš SAR-ab lal-ma ud [n kam ...]
- 6' [...] gaz sim ina a ga[zi<sup>sar</sup> ...]
- 7' [...]

The alleged duplicates *AMT* 5,3 i 4'-7' (cf. UGU 1 ii 12-15), *AMT* 76,6, 4'-11' (cf. UGU 1 iii 36-38) were not judged sufficiently similar to merit inclusion.

## UGU 1 in transliteration

List of Manuscripts:

A = BAM 480; B = BAM 3; C = BAM 156; D = BAM 4; E = BAM 12; F = AMT 5,3; G = BAM 9; H = BAM 481; I = AMT 76,6; J = Jastrow (text after Scurlock 2003); K = AMT 64,4; L = BAM 482; M = ND 4405/16 (=Wiseman and Black 1996 (CTN 4) 123).

A distinction is made between '𐎶' and '𐎶' for all manuscripts except J, for which (no reliable cuneiform text being available) '𐎶' only is given, following Scurlock's transliteration.

In lines 25(=UGU 1 54'), 42(=UGU 1 57'), 29 (=UGU 1 126'), and 37(=UGU 1 132') the recipes in MS E (BAM 12) routinely continue past the text of UGU, and these additions are not noted here, being represented by ... . A full edition of BAM 12 is forthcoming in this journal.

1	A <sub>11</sub>	DIŠ na ugu-šú kúm ú-kal sa zi sag.ki tuku-ma igi <sup>II</sup> -šú i-dak
	J <sup>ob</sup> <sub>1</sub>	[ ] [ugu-šú kúm ú-kal] [ ]
	B <sub>11</sub>	DIŠ na ugu-šú kúm dab-al sa s[a]g <sup>2</sup> [.ki <sup>2</sup> ]-šú zi [xxx ] <sup>2</sup> igi <sup>II</sup> -šú i-dak
2	A <sub>12</sub>	igi <sup>II</sup> -šú bir-ra-tam i-pi-tam i-ši-tam mur-din-na qu-qa-na a-šá-a
	J <sup>ob</sup> <sub>2</sub>	[igi <sup>II</sup> -šú bir]-[ra]-tam i-pi-tam i-š[ī]-[tam mur]-din-na qu-qa-[na a-šá-a ]
	B <sub>12</sub>	igi <sup>II</sup> -šú bir-rat i-p[i-tam] [i]-ši-tam mur-din-n[a] <sup>2</sup> qu-[q]a-na <a-šá-a>
3	A <sub>13</sub>	ù ér šub.šub-a 1/3 sila zà.ḫi.li bu-tu-tam ina <sup>na4</sup> ur <sub>5</sub> àra-en sim
	J <sup>ob</sup> <sub>3</sub>	[ù] ér šub.šub-a 2 sila zà.ḫ[i.li]i [bu-tu-tam] ina <sup>na4</sup> ur <sub>5</sub> àr-en] <sup>4</sup> sim
	B <sub>13</sub>	[ù] ér šub <sup>meš</sup> -a [bu <sup>2</sup> -tu <sup>2</sup> -tam <sup>2</sup> ] 1/3 sila saḫ-lé-e <sup>4</sup> ina <sup>na4</sup> ur <sub>5</sub> àra-en sim
4	A <sub>14</sub>	sag-ka ú-kal ina šà 1/3 sila ti-qé ina a gazi <sup>sar</sup> sila <sub>11</sub> -aš SAR-ab lal-ma ud 3 kam nu duḫ
	D <sub>1</sub>	[ ti-qé ]
	J <sup>ob</sup> <sub>4</sub>	sag-ka ú-kal ina šà 1/3 sila [ti-qé ina] [a] gazi <sup>sar</sup> [sila <sub>11</sub> -aš] sag.du <sup>1</sup> -su SAR-ab lal-[ma] ud 3 kam nu duḫ
	B <sub>14</sub>	sag-ka ú-qa <sup>1</sup> -a-a ina šà 3 sila <sup>2</sup> saḫ-lé-e š[e]š 4 [sil]a saḫ-lé-e te-ne-ti tuš-ta-bal ina a <sup>meš</sup>
	B <sub>16</sub>	gazi <sup>sar</sup> sila <sub>11</sub> sag.du-su SAR-ab lal-su-ma 3 u <sub>4</sub> -me nu duḫ
5	A <sub>15</sub>	1/3 sila saḫ-lé-e 1/3 sila zi še.sa.a ina a gazi <sup>sar</sup> sila <sub>11</sub> -aš SAR-ab lal-ma ud 3 kam nu duḫ
	D <sub>2</sub>	[ ] [a ina a gazi <sup>sar</sup> ]
	J <sup>ob</sup> <sub>6</sub>	1/3 sila zà.ḫi.li 1/3 sila še.sa.a ina a [ ] sila <sub>11</sub> -aš SAR-ab lal-ma ud [3 kam ]
	B <sub>19</sub>	diš kimin 1/3 sila saḫ-lé-e 1/3 sila zi še.sa.a tuš-ta-bal ina a [(x)] <sup>10</sup> gazi <sup>sar</sup> sila <sub>11</sub> sag.du-su SAR-ab lal-su-ma 3 u <sub>4</sub> -me nu duḫ
6	A <sub>16</sub>	saḫ-lé-e àra-ti <sup>sim</sup> gúr.gúr naga si ina kaš sila <sub>11</sub> -aš ki.min
	D <sub>3</sub>	[ ] i <sup>sim</sup> gúr.gúr na[ga si ]
7	A <sub>17</sub>	<sup>sim</sup> ses mun eme-sal-lim mál-ma-liš ḫe.ḫe ina ì.nun súd igi <sup>II</sup> -šú ḫe-qé ]
	D <sub>4</sub>	[ em]e-sal-lim mál-ma-liš ḫe.ḫe ḫ[na ]
	B <sub>11</sub>	<sup>sim</sup> ses mun eme-sal-la ina ì.udu súd igi <sup>II</sup> -šú mar <sup>meš</sup> -ma tin-ut
8	A <sub>18</sub>	1/3 sila zà.ḫi.li 1/3 sila šika im.šu.rin.na 10 gín ḫi-qa-ḫe ... ]
	D <sub>5</sub>	[ zà.ḫi.]li 1/3 sila šika im.šu.rin.na 10 gín [n ]
9	A <sub>19</sub>	ina a gazi <sup>sar</sup> sila <sub>11</sub> -aš SAR-ab lal-ma [ud 3(+n)] [kam ... ]
	D <sub>6</sub>	[ ] <sup>sar</sup> sila <sub>11</sub> -aš lal-ma ud 3 k[am ]
10	A <sub>110</sub>	egir na-aš-ma-da-ti an-na-ti 10 gín zà.ḫi.li šá ka [ur-ši] [ ]
	D <sub>7</sub>	[egir na]-aš-ma-da-te an-na-ti 10 gín zà.ḫi.li šá <sup>8</sup> k[a ]-qu ana šà nu šub-ú
	B <sub>115</sub>	ud-ma lál <sup>meš</sup> an-na-ti lál-uš 10 gín saḫ-lé-e šá ka <sup>16</sup> na <sup>4</sup> ur-ši šá ḫul-qa nu šub
11	A <sub>111</sub>	mun a.geštin.na nu tag.tag ina ninda iṣ-šip-ma gu <sub>7</sub> 5 [gí][n ]
	D <sub>8</sub>	mun a.geštin.na [nu] [ <sup>2</sup> ] gu <sub>7</sub> 5 gín <sup>1</sup> zà.ḫi.li àra-ti
	B <sub>116</sub>	a.geštin.na nu šul-pu-tú <sup>17</sup> 5 gín saḫ-lé-e ina ninda imgaga kúm tab-ma gu <sub>7</sub> 5 gín <sup>18</sup> saḫ-lé-e
12	A <sub>112</sub>	ina kaš.sag siḡ-aš-ma nag-šú [... ]
	D <sub>9</sub>	ina kaš siḡ-aš-ma [nag]-šú [ú <sup>2</sup> ]-[ ... ]
	B <sub>118</sub>	ki 1/2 sila kaš gaz nag-šú ú-sá-ka-ma <sup>19</sup> i-par-ra lál <sup>meš</sup> saḫ-lé-e šá igi <sup>II</sup>
13	A <sub>113</sub>	ud 1 kam an.zaḫ s[úd ... ]

	D <sub>10'</sub>	[ a]n.zah <sub>1</sub> súd [...]
14	A <sub>114</sub>	10 gín gurun <sup>giš</sup> maš.huš [...]
	D <sub>11'</sub>	[ ... z]a.ba.lam <sub>1</sub> 1/3 sila <sup>u</sup> [...]
15	A <sub>115</sub>	gaz sim <i>ina</i> a gaz[i] <sup>sar</sup> [...]
	D <sub>12'</sub>	[ ...]- <i>ma</i> ud 3 [kam nu du <sub>h</sub> ]
16	A <sub>116</sub>	šim.bi <sub>1</sub> z[i.da ...]
17	A <sub>117</sub>	[...]
18	A <sub>118</sub>	gaz si[m ...]
19	A <sub>119</sub>	10 gín zì du <sub>h</sub> .še.giš.ì <sup>h</sup> [ád.du ...]
20	A <sub>120</sub>	10 gín zì du <sub>h</sub> .še.giš.ì hád.du [ ...]
21	A <sub>121</sub>	ud 1 kam gaba- <i>su</i> lal sag.du-s[u ...]
22	A <sub>122</sub>	<i>ana</i> sag.du-šú dub- <i>aq</i> <i>ina</i> [é] [ ...]
23	A <sub>123</sub>	1 gín u <sub>5</sub> argab <sup>mušen</sup> 1/2 gí[n ...]
24	A <sub>124</sub>	1/3 sila numun babbar.hi <sup>sar</sup> 1/3 sila numun lu.[úb <sup>7 sar?</sup> ...]
25	A <sub>125</sub>	1/3 sila zi.kum 1[0 g]ín [bar z]ú.lum.(ma) ...]
26-8	A <sub>126-8</sub>	[...]
29	A <sub>129</sub>	im x[...]
30	A <sub>130</sub>	1/3 sila pa <sup>giš</sup> pè[š ...]
	E <sub>11'</sub>	DIŠ ki.min 1/3 sila pa <sup>giš</sup> pèš <sup>1</sup> ša i-na <sup>iti</sup> bār.zag.gar kud pa x[...] <sup>12'</sup> sag- <i>su tu-gal-lab</i> lal [...]
31	A <sub>131</sub>	gur- <i>ma</i> hád.a <sup>šim</sup> [...]
32	A <sub>132</sub>	1/3 sila <sup>u</sup> hab 1/3 sil'a <sup>1</sup> nu[mun ...]
	E <sub>14'</sub>	DIŠ ki.min 1/3 sila gaz <sup>u</sup> hab 1/3 sila gaz numun <sup>u</sup> KI.AN.IM [...] <sup>15'</sup> sag- <i>su tu-gal-lab</i> lal- <i>su-ma</i> [...]
33	A <sub>133</sub>	naga s[i] [...]
34	A <sub>134</sub>	[1/3] [...]
35-9	A <sub>135-9</sub>	[...]
40'	A <sub>140'</sub>	[...] súd <sup>1</sup> te <sup>1</sup> [-qé]
41'	A <sub>141'</sub>	[...] SAR- <i>ab</i> lal- <i>ma</i> t[in]
42'	A <sub>142'</sub>	[...]a gaz sim <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> SAR- <i>ab</i> lal- <i>ma</i> k[i.min]
43'	A <sub>143'</sub>	[... gir.pad.]da gíd.da súd mar
	M <sub>5'</sub>	[... ina a gazi <sup>sa</sup> r sila <sub>11</sub> ina i.udu gir.pad.DU gíd.da <súd> mar x[...]
44'	A <sub>144'</sub>	[...]a u <sup>1</sup> še <sub>10</sub> <sup>1</sup> (text collated: KI) maš.dà súd te-qé
45'	A <sub>145'</sub>	[... sil] <sub>11</sub> - <i>aš</i> SAR- <i>ab</i> lal- <i>ma</i> ud 3 kam nu du <sub>h</sub>
46'	A <sub>146'</sub>	[...]x lu <sub>h</sub> [ SA] <sup>1</sup> R- <i>ab</i> lal- <i>ma</i>
47'	A <sub>147'</sub>	[...] x [(x) l]ál kur- <i>i šu-hat</i> KUG.GI súd mar
	M <sub>8'</sub>	[...] l]ál kur- <i>i šu-hat</i> KUG.GI súd te-qé
48'	A <sub>148'</sub>	[...]x <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> SAR- <i>ab</i> lal- <i>ma</i> ud 3 kam nu du <sub>h</sub>
	M <sub>9'</sub>	[...] <sup>sar</sup> sila <sub>11</sub> SAR- <i>ab</i> lal- <i>ma</i> ud n+2 kam nu du <sub>h</sub> x[...]
49'	A <sub>149'</sub>	[...] [:] <i>ina šur-šum-mi</i> kaš šeg <sub>6</sub> .gá sila <sub>11</sub> - <i>aš</i> SAR- <i>ab</i> lal- <i>ma</i> ud 3 kam nu du <sub>h</sub>
50'	A <sub>150'</sub>	[...]x du-muq-š <sup>1</sup> i-na ta-tab-bal <i>ina</i> lál súd te-qé
51'	A <sub>151'</sub>	[DIŠ <sup>2</sup> ki <sup>2</sup> .min <sup>2</sup> du <sup>2</sup> -muq <sup>2</sup> -š <sup>2</sup> ]- <i>na</i> gaz sim <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> SAR- <i>ab</i> lal- <i>ma</i> ud 3 kam nu du <sub>h</sub>
52'	A <sub>152'</sub>	[xx ú.s]a <sub>5</sub> <sup>2</sup> gaz sim <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> SAR- <i>ab</i> lal- <i>ma</i> ud 3 kam nu du <sub>h</sub>
53'	A <sub>153'</sub>	u <sub>5</sub> [argab <sup>mu</sup> ] <sup>šen</sup> <i>ina</i> lál súd te-qé
54'	A <sub>154'a</sub>	1/3 sila pa <sup>giš</sup> m[á.eri]š.má.ra gaz sim <i>ina</i> a gazi <sup>sa</sup> r sila <sub>11</sub> -( <i>aš</i> ) [S]AR- <i>ab</i> lal[- <i>ma</i> ]
	E <sub>24'</sub>	DIŠ ki.min 1/3 sila pa <sup>u</sup> má.eriš.má-lá hád.du gaz sim [ ] <sup>25'</sup> sag- <i>su tu-gal-lab</i> lal- <i>su-ma</i>
	A <sub>154'b</sub>	ud 3 kam nu du <sub>h</sub>
	E <sub>25'</sub>	3 ud <sup>meš</sup> nu du <sub>h</sub> ...
55'	A <sub>155'</sub>	im.babbar ba- <i>aš-la</i> <i>ina</i> i šur-di sila <sub>11</sub> - <i>aš</i> SAR- <i>ab</i> [(...)] lal- <i>ma</i> ki.min

E38'	DIŠ ki.min im.babbar šeg <sub>6</sub> .gá gaz sim ki i.giš ù x[ <i>tuballa</i> ] <sup>22'</sup> sag-su <i>tu-gal-lab</i> lal [...]
56'	A <sub>156'</sub> š[ika] i.gu.la <i>ša kib-šam</i> tuku-ú <i>ina</i> i iš.[urudu] súd <i>te-qé</i>
57'	A <sub>157'a</sub> <sup>ú</sup> za.ba.lam <i>saḫ-lé-e</i> ga <sub>2</sub> [s]im <i>ina šur-šum-mi</i> kaš s[ag sila <sub>11</sub> -aš] E <sub>41'</sub> DIŠ ki.min <sup>ú</sup> ḫab <sup>1sar</sup> (text: <sup>é</sup> nigin <sup>sar</sup> ) <i>saḫ-lé-e</i> ḫád.du gaz sim [...] A <sub>157'b</sub> [S]AR-ab lal- <i>ma</i> ud 3 kam nu duḫ E <sub>42'</sub> sag-su <i>tu-gal-lab</i> [lal ...] ...
58'	A <sub>158'a</sub> <sup>ú</sup> <i>ḫal-tap-pa-nam</i> <sup>giš</sup> maš.ḫuš ga <sub>2</sub> [s]im <sup>1</sup> <i>ina šur-šum-mi</i> kaš kur[un.n]a sila <sub>11</sub> -aš E <sub>44'</sub> DIŠ ki.min <sup>ú</sup> <i>ḫal-tap-a-na'</i> (text: <i>ba</i> ) gurun <sup>giš</sup> <i>kaḫ-ba-ni</i> ḫád.d[u] A <sub>158'b</sub> SAR-ab lal- <i>ma</i> ud 3 kam nu duḫ E <sub>44'b</sub> sag-su <i>tu-gal-lab</i> [lal ...]
59'	A <sub>159'</sub> <sup>šim</sup> l <sub>1</sub> <sup>šim</sup> gúr.gúr <sup>šim</sup> buluḫ zà.ḫi.1 <sup>1</sup> [i n]aga si sú[d lu]ḫ-si <i>ina</i> ga sila <sub>11</sub> -aš SAR-ab lal- <i>ma</i> ud 3 kam nu duḫ
60'	A <sub>160'</sub> iš.urudu [(xxx) <i>ina</i> l]àl súd <i>te-qé</i>
61'	A <sub>161'</sub> 1/3 sila zà.ḫi.li 1/3 sila di[da ...] sila <sub>11</sub> -aš SAR-ab lal- <i>ma</i> ud 3 kam nu duḫ
62'	A <sub>162'</sub> 1/3 sila zà.ḫi.1[i ... s]ila <sub>11</sub> -aš SAR-ab lal- <i>ma</i> ud 3 kam nu duḫ
63'	A <sub>163'</sub> KUG.GAN an.[zah <sup>7</sup> ... s]úd mar
64'	A <sub>164'</sub> 1/3 sila zì g[ú.tur/gal ... lal- <i>m</i> ]a ud 3 kam nu duḫ
65'	A <sub>165'</sub> gaz[i <sup>sar</sup> ] gibil dab gaz <sup>1</sup> sim <i>ina šur-šum-mi</i> kaš sila <sub>11</sub> -aš SAR-ab lal- <i>ma</i> ud 3 kam nu duḫ
66'	A <sub>166'</sub> numun [ <sup>ú</sup> e]me ur.gi <sub>7</sub> sig <sub>7</sub> -su <i>tu-ḫás-sá a-šú ana</i> <sup>duḫ</sup> bur.zi sur-at <i>adi</i> ḫád.du gar-an
67'	A <sub>167'</sub> ud-[ <i>m</i> ]a <i>i-tab-lu ina</i> i iš.urudu súd mar
68'	A <sub>168'</sub> [ú] babbar u <sub>5</sub> argab <sup>mušen</sup> i.udu <sup>šim</sup> gig <sup>šim</sup> GAM.ma numun <sup>ú</sup> si.sá <i>ka-mun</i> <sup>giš</sup> šinig numun <sup>ú</sup> in.nu.UŠ J <sup>ob</sup> <sub>9</sub> [ú] babbar u <sub>5</sub> argab <sup>mušen</sup> <i>ina</i> i[u]du <sup>šim</sup> gig [ <sup>šim</sup> GAM.ma numun <sup>ú</sup> si.sá <sup>10</sup> [ <i>ka</i> ]- <sup>1</sup> <i>mun</i> ] numun gada naga si <sup>ú</sup> in.nu.UŠ
69'	A <sub>169'</sub> [ <sup>ú</sup> eme.u]r.gi <sub>7</sub> pa <sup>giš</sup> šinig mun <i>eme-sal-lim</i> Ú.KUR.RA <sup>ú</sup> gamun.ge <sub>6</sub> <i>ma-la ni-iš</i> igi <sup>II</sup> -ka šu.ti J <sup>ob</sup> <sub>10</sub> e[me]. <sup>1</sup> ur <sup>1</sup> .gi <sub>7</sub> pa <sup>ú</sup> šinig mun <i>eme-sal-lim</i> <sup>11</sup> [Ú.KU]R.RA [ <sup>ú</sup> gamun <sup>1</sup> .ge <sub>6</sub> <sup>sar</sup> [ <i>m</i> ]a- <sup>1</sup> <i>la ni-iš</i> ] igi <sup>II</sup> -ka šu.ti
70'	A <sub>170'</sub> [ <i>ḫa-pa-aš ina</i> i súd igi <sup>II</sup> -šú <i>ina</i> naga si luḫ-si <i>adi</i> ér kud-su <i>te-qé</i> ud- <i>ma</i> lal-šú <i>te-qé</i> egir-šú J <sup>ob</sup> <sub>11</sub> <i>ta-pa-aš</i> <sup>12</sup> <i>ina</i> [i] súd [ér k[ud-s]u <i>te-qé</i> ud- <i>ma</i> lal-šú <i>te-qé</i> [ ]]
71'	A <sub>171'</sub> [ <i>ina</i> b]ára nu duḫ-šú a <sup>giš</sup> še.nú.a šeg <sub>6</sub> -šal <i>ana</i> <sup>duḫ</sup> kan sáḫar <i>te-sip ina</i> ul <i>tuš-bat ina še-rim</i> sag.du-su J <sup>ob</sup> <sub>13</sub> [ <sup>giš</sup> še].nú.a [šeg <sub>6</sub> ]-šal <i>ana</i> <sup>duḫ</sup> kan sáḫar <i>te-sip</i> <sup>14</sup> [ ]-su
72'	A <sub>172'</sub> [š]éš a <sup>giš</sup> še.nú.a šeg <sub>6</sub> .gá <i>ana</i> sag.du-šú <i>tu-qar-ra-ár</i> sag.du-su sud <sup>ú</sup> sig <sub>6</sub> .ríg.ag.a kešda J <sup>ob</sup> <sub>14</sub> šéš a <sup>giš</sup> še.nú.[a šeg <sub>6</sub> ].gá <sup>15</sup> [ ] sag.du-su sud <sup>ú</sup> sig <sub>6</sub> .ríg.ag.a [ <sup>sar</sup> ]
73'	A <sub>173'</sub> [(x) sil]a i.giš <i>ana</i> sag.du-šú dub <i>ina</i> é šá <i>ta-ra-nam</i> tuku-ú <i>tuš-šú</i> ud 3 kam <i>an-nam</i> dù.dù-uš J <sup>ob</sup> <sub>16</sub> [ ] [ <i>ta</i> ]- <i>ar-ra-nam</i> tuku-ú [ <i>tuš</i> ]-šú <sup>17</sup> [ ] dù.dù- <sup>1</sup> uš <sup>1</sup>
74'	A <sub>174'</sub> [DIŠ na u]gu-šú kúm.kúm- <i>im</i> im.babbar naga si IN.DAR <i>kib-rit</i> gir.pad.da naga si i.ḫul u i.ku <sub>6</sub>
75'	A <sub>175'</sub> [1- <i>niš</i> ] <sup>2</sup> ḫe.ḫe <i>ina</i> NE <sup>giš</sup> kiš <sub>16</sub> sag.du-su <i>tu-qat-tar</i>
76'	A <sub>176'</sub> [DIŠ na sag.du-s]u kúm tuku- <i>ma</i> igi <sup>II</sup> -šú <i>i-bar-ru-ra</i> múd <i>ú-kaḫ-la</i> 1/3 sila zà.ḫi.li gaz sim
77'	A <sub>177'</sub> [ <i>ḫa</i> ] <sup>1</sup> a [ <i>ga</i> ] <sup>sar</sup> sila <sub>11</sub> -aš sag.du-su SAR-ab lal- <i>ma</i> ud 3 kam nu duḫ
78'	A <sub>178'</sub> 1/3 sila zà.ḫi.1 <sup>1</sup> [i] 1/3 sila zì.kum <i>ina</i> a.geštin.na sila <sub>11</sub> -aš sag.du-su SAR-ab lal- <i>ma</i> ud 3 kam nu duḫ
79'	A <sub>179'</sub> 1/3 sila pa <sup>giš</sup> pèš <i>ina</i> [ <i>ga</i> ] <sup>1</sup> [sila <sub>11</sub> -aš xxx : DIŠ ki.min] 1/3 sila <sup>ú</sup> ḫab <i>ina</i> ga sila <sub>11</sub> -aš SAR-ab ki.min
80'	A <sub>180'</sub> 1/3 sila <sup>ú</sup> u <sub>5</sub> -[ <i>ra-nu</i> ...] <i>ina</i> ga sila <sub>11</sub> -aš SAR-ab ki.min
81'	A <sub>181'</sub> 1/3 sila <sup>ú</sup> ša-da-n[a ... in]a ga sila <sub>11</sub> -aš SAR-ab ki.min
82'	A <sub>182'</sub> <sup>ú</sup> sa- <i>ma-nam</i> [...] sila <sub>11</sub> -aš SAR-ab ki.min
83'	A <sub>183'</sub> [DIŠ n]a ugu-šú ud.da ta[b- <i>ma</i> g]á <sup>šim</sup> l <sub>1</sub> <sup>šim</sup> gúr.gúr B <sub>120</sub> DIŠ na ugu-šú ud.da tab- <i>ma</i> igi <sup>II</sup> -šú <i>i-bar-ru-ra</i> [xxx]x[xx] <sup>21</sup> duḫ šeg <sub>6</sub> .gá <sup>šim</sup> l <sub>1</sub> <sup>šim</sup> GAM.ma F <sub>18'</sub> [ igi <sup>II</sup> -šú <i>i-bar-ru-ra</i> <sup>2'</sup> [ <sup>šim</sup> l <sub>1</sub> <sup>šim</sup> GAM.ma
84'	A <sub>184'</sub> [ <sup>šim</sup> buluḫ <i>saḫ-lé-e</i> duḫ.š[e.giš.ì ...] SAR-ab ki.min B <sub>121</sub> <sup>šim</sup> buluḫ <i>saḫ-lé-e</i> <sup>22</sup> duḫ.še.giš.ì <sup>ú</sup> <i>si-ḫu ina</i> ga sila <sub>11</sub> -aš min F <sub>19'</sub> <sup>šim</sup> buluḫ <sup>10'</sup> [ ] <i>ina</i> ga sila <sub>11</sub> -aš lal- <i>ma</i> tin-uḫ

85*	A <sub>H21</sub>	[DİŞ na u]gu-šú ud.da tab-m <sup>a</sup> [igi <sup>II</sup> -šú i-bar-r]u-ra ù múd diri-a x[...] <sup>[á]</sup> nu.LU <sub>H</sub> .ha
86*	A <sub>H22</sub>	[xx]x sah-lé-e <sup>giš</sup> m <sup>a</sup> [á.eriš.]má.ra 1-niš gaz sim ina dida he. <sup>he</sup> <sup>[s]</sup> [AR(-ab)] <sup>[lal]</sup> -id
87*	A <sub>H23</sub>	[1/3 sila <sup>a</sup> zà.h]i.li 1/3 sila zi <sup>giš</sup> e[re]n 1/3 sila <sup>sim</sup> li 1/3 sila [x]PA <sup>a</sup> 1/3 sila <sup>giš</sup> si-hu 1/2 sil[a] x-nu
	B <sub>H23</sub>	[DİŞ ki.min] 1 sila <sup>ú</sup> [... <sup>giš</sup> eren 1 sila <sup>sim</sup> li 24 1 sila <sup>sim</sup> MAN.DU 1 sila <sup>ú</sup> si <sup>a</sup> -hu <sup>ú</sup> ba-ri-rat
88*	A <sub>H24</sub>	[... duh.š]e.giš.ì zì [gú].gal K[U mun]u <sub>5</sub> dida šeg <sub>6</sub> .gá [xx š]u.ti
	B <sub>H24</sub>	2 sila duh.še.giš.ì <sup>25</sup> gú.gal KU munu <sub>5</sub> x[te <sup>a</sup> ]-né-ti sag-ka ú-kal ina šà 2 sila ti min
89*	A <sub>H25</sub>	[...]x šu.ti ina a gazi <sup>sar</sup> sila <sub>11</sub> -aš SAR-ab [(ki.)]min
90*	A <sub>H26</sub>	[... t]áb.táb-su síg sag.du-šú gub.gub-za <sup>giš</sup> gúr.gúr <sup>giš</sup> [xxx]
91*	A <sub>H27</sub>	[...] súd ina <sup>urudu</sup> šen.tur tu-ba-har sag.du-su [xxx]
92*	A <sub>H28</sub>	[...]x ì.nun.na ina izi šeg <sub>6</sub> -šal [xxx]
93*	A <sub>H29</sub>	[... i]š[urudu] <sup>sim</sup> ses kaš tí-tí ì.nun.na ina izi šeg <sub>6</sub> [xxx]
94*	A <sub>H30</sub>	[... k]b-rit gír.pad.DU lú.u <sub>18</sub> .lu gír.pad.DU an[še <sup>a</sup> xx]
95*	A <sub>H31</sub>	[... ]na NE <sup>giš</sup> kiš <sub>16</sub> sag.du-su [tuqattar]
96*	A <sub>H32</sub>	[én ...] gi i.bí ì i.bí hé-[en-xx]
97*	A <sub>H33</sub>	[... u]b.bi hé.e <sup>n</sup> x[xx]
98*	A <sub>H34</sub>	[... mu-u]n-na-mul-la [tu <sub>6</sub> én]
99*	A <sub>H35</sub>	[ka.inim.ma šumma amēlu ...]x-šú ú-zaq-qat-[su (x)]
100*	A <sub>H36</sub>	[...]x šid-nu ugu [xxx]
101*	A <sub>H37</sub>	[...]x u <sub>H</sub> me kù ga [xxx]
102*	A <sub>H38</sub>	[...]x gi <sub>4</sub> gi <sub>4</sub> [xxx]
103*	A <sub>H39</sub>	[...]x ka šu NE [(x)] x [xxx]
104*	A <sub>H40</sub>	[...]ana <sup>a</sup> murub <sub>4</sub> ug[u-šú] š[id-(nu) (x)]
105*	A <sub>H41</sub>	[xxx]x [xxx]x ú KUR[.RA <sup>a</sup> /KUR <sup>a</sup> ]
106*	A <sub>H42</sub>	[... lal]-ma ud 3 kam nu [duh]
107*	A <sub>H43</sub>	DİŞ [ki.]min ... ina a gazi <sup>sar</sup> sila <sub>11</sub> -aš lál-su-ma [x]
108*	A <sub>H44</sub>	DİŞ ki.min <sup>ú</sup> [... -n]u su-pa-lam ina kaš ta-là-aš [š (x)]
109*	A <sub>H45</sub>	DİŞ ki.min sah-lé-e [... ni-ki]p-tam zì še.sa.a 1-niš gaz sim ina kaš [sila <sub>11</sub> -aš]
110*	A <sub>H46</sub>	DİŞ ki.min 1/3 sila sah-[lé-e ... sil]a <sub>11</sub> -aš SAR-ab [xx]
111*	A <sub>H47</sub>	DİŞ ki.min 1/2 sila [...] sila <sub>11</sub> -aš SAR-ab [xx]
112*	A <sub>H48</sub>	DİŞ ki.min 1/3 si[la ... g]az sim ina a gazi <sup>sar</sup> sila <sub>11</sub> -aš SAR-ab [xx]
113*	A <sub>H49</sub>	DİŞ ki.min <sup>si</sup> [m ...] ina a gazi <sup>sar</sup> sila <sub>11</sub> -aš [xx]
114*	A <sub>H50</sub>	DİŞ ki.min [...] ina kaš sila <sub>11</sub> -aš SAR-ab [xx]
115*	A <sub>H51</sub>	[... ]na a gazi <sup>sar</sup> sila <sub>11</sub> -aš SAR-ab [xx]
116*	A <sub>H52</sub>	[...] ina a gazi <sup>sar</sup> sila <sub>11</sub> -aš SAR-ab [xx]
117*	A <sub>H53</sub>	[...] ina a gazi <sup>sar</sup> sila <sub>11</sub> -aš SAR-ab [xx]
118*	A <sub>H54</sub>	[...] ina šur-šum-mi kaš sila <sub>11</sub> -aš SAR-ab [xx]
119*	A <sub>H55</sub>	[...]x Ú.KUR ina a gazi <sup>sar</sup> lu <sub>H</sub> -sí 1/3 sila <sup>giš</sup> maš.h[uš]
120*	A <sub>H56</sub>	x[...] ga]z sim ina a gazi <sup>sar</sup> sila <sub>11</sub> -aš sag.du-su u gaba-su lal- <sup>[i]</sup> [d]
121*	A <sub>H57</sub>	DİŞ k[i.min ... z]i.kum he.he ina a gazi <sup>sar</sup> sila <sub>11</sub> -aš lal-id
122*	A <sub>H58</sub>	DİŞ k[i.min ... z]i <sup>a</sup> .kum ina a gazi <sup>sar</sup> ta-là-aš SAR-ab lal-ma ud 3 kam nu duh
123*	A <sub>H59</sub>	DİŞ k[i.min xx ba(h)-lu-ku 2 sila <sup>ta.ám</sup> he.he ina a gazi <sup>sar</sup> u kaš sila <sub>11</sub> -aš ki.min
124*	A <sub>H60</sub>	DİŞ k[i.min xx] <sup>[ú]</sup> su-pa-lu ina ì sír-di u a gazi <sup>sar</sup> sila <sub>11</sub> -aš ki.min
125*	A <sub>H61</sub>	DİŞ na [sag.du]-su kúm.kúm-im SAR-ab zì ímgaga ina a gazi <sup>sar</sup> sila <sub>11</sub> -aš ud 15 kam lál
126*	A <sub>H62</sub>	DİŞ k[i.min im.]gú ud.da sá.sá gaz sim ina a gazi <sup>sar</sup> sila <sub>11</sub> -aš ud 3 kam : ud 5 kam lál
	E <sub>28</sub>	DİŞ ki.min im.gú ša ina ud.da dí-kát gaz [ ] <sup>29</sup> lal-su-ma 3 ud <sup>meš</sup> nu duh ...
127*	A <sub>H63</sub>	DİŞ [na ina <sup>a</sup> qer <sup>a</sup> -b]it sag <sup>a</sup> .du-šú. <sup>murub4</sup> sag.du-šú ú-ba-[a]n tu-uš-ša rib-ki ina a gazi <sup>sar</sup> sila <sub>11</sub> -aš ina ì eš <sup>meš</sup> lál
128*	A <sub>H64a</sub>	[ana kúm sa]g.du šu-ut-bi-i šika [i]m.j.šu.rin.na zì.kum

B <sub>ii36</sub>	Diš na sag.du-su kúm dab- <i>al ana</i> kúm sag.du zi- <i>hi</i>	<sup>37</sup> šika ninindu sumun zi.kum
A <sub>ii64b</sub>	<i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> sag.du-su lal	
B <sub>ii37</sub>	<i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> sag.du-su [x(x)]	
129'	A <sub>ii65a</sub> [ <i>saḥ-lé</i> ]- <i>e bu-ṭu-tam</i> zi še.sa.a <i>ina</i> [a gaz <sup>i</sup> <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> lal : Diš ki.min <i>saḥ-lé-e</i> <sup>šim</sup> li <i>ina</i> a gazi <sup>sar</sup>	
B <sub>ii38</sub>	<i>saḥ-lé-e bu-ṭu-ut-ta</i> <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> lal- <i>id</i> <sup>39</sup> <i>saḥ-lé-e</i> <sup>šim</sup> li <sup>šim</sup> gúr.gúr <i>ina</i> a gazi <sup>sar</sup>	
A <sub>ii65b</sub>	sila <sub>11</sub> - <i>aš</i> lal	
B <sub>ii39</sub>	sila <sub>11</sub> lal	
130'	A <sub>ii66</sub> [xx]x ḥád.du gaz sim <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> lal	
131'	A <sub>ii67</sub> [dè <i>šar</i> ]- <i>ba-te</i> <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> lal : Diš ki.mi[n <sup>u</sup> ḥa]- <i>tap-pa-nam</i> gurun <sup>giš</sup> maš.ḥuš <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> lal	
B <sub>ii40</sub>	<sup>u</sup> qud-ra babbar min min <sup>u</sup> ḥa- <i>tap-pa-na</i> <sup>giš</sup> maš.ḥuš sila <sub>11</sub> lal	
132'	A <sub>ii68</sub> [ <sup>u</sup> geštin sig <sub>7</sub> ].a ḥád.a súd <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> lal [:Diš ki.min] [ <sup>u</sup> ma.eriš.má.ra <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> lal	
B <sub>ii41</sub>	<sup>u</sup> geštin sig <sub>7</sub> .a <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> lal <sup>u</sup> ma.eriš.má-lá-e min	
E <sub>36'</sub>	Diš ki.min <sup>u</sup> geštin sig <sub>7</sub> .a ḥád.du gaz sim <i>ina</i> a gazi <sup>sar</sup> [ta-la-aš] <sup>37'</sup> lal-su-ma 3 ud <sup>meš</sup> nu duḥ ...	
133'	A <sub>ii69</sub> [...]x <sup>u</sup> za. b [a.lam xx] <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> lal	
134'	A <sub>ii71</sub> Diš [...] dè <i>šar-ba-te</i> <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> lal	
135'	A <sub>ii72</sub> Diš [...] <sup>šim</sup> gúr.gúr <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> lal	
136'	A <sub>ii73</sub> Diš [...] zì.ku]m <sup>?</sup> ḥe.ḥe <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> lal	
137'	A <sub>ii74</sub> Diš [...] zì.kum ḥe.ḥe <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> lal	
138'	A <sub>ii75</sub> Diš [...] <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> lal : Diš ki.min K.I.KAL <i>še-el-le-bé-nu</i> <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> lal	
139'	A <sub>ii76</sub> Diš [...] dè <i>šar-ba-te</i> <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> lal	
140'	A <sub>ii77</sub> [...] <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> lal	
141'	A <sub>ii78</sub> Diš [na ( )] sag.du-šú <i>i-šaḥ-ḥu-uḥ</i> zi sag.ki tuku.tuku	
B <sub>ii27</sub>	Diš na ud.da tab- <i>ma</i> <<tuku>> síg sag.du-šú <i>i-šaḥ-ḥu-uḥ</i> <sup>28</sup> zi sag.ki tuku.tuku	
J <sup>ob</sup> <sub>18</sub>	[ ] tab- <i>ma</i> <sup>?</sup> síg ta <i>raš</i> sag.du-šú <i>i-šaḥ-ḥu-uḥ</i> <sup>19</sup> [ ]	
G <sub>23</sub>	[ sag].du-su ud.da tab- <i>ma</i> síg ugu-šú <i>i-šaḥ-ḥu-ḥu</i> [ <sup>24</sup> ]-š <i>i</i>	
142'	A <sub>ii79a</sub> <i>ana</i> x[...] sag.du-su SAR- <i>ab</i>	
B <sub>ii28</sub>	sag.du-su SAR- <i>ab</i> 1 gín <sup>29</sup> u <sub>5</sub> argab <sup>mušen</sup> <i>ina</i> i.giš súd sag.du-su	
J <sup>ob</sup> <sub>19</sub>	[ gí]n u <sub>5</sub> argab <sup>mušen</sup> <i>ina</i> i súd sag.du-su [SAR]- <i>ab</i>	
G <sub>24</sub>	sag.du-su SAR- <i>ab</i> 1 gín u <sub>5</sub> ar[gab <sup>25</sup> sa]g <sup>?</sup> -su	
A <sub>ii79b</sub>	<i>tu-kaš-ša</i> lal- <i>ma</i> ud 3 kam nu duḥ	
B <sub>ii29</sub>	šed <sub>7</sub> - <i>ma</i> tin	
J <sup>ob</sup> <sub>20</sub>	[ ] [lal]- <i>ma</i> ud 3 kam nu duḥ	
G <sub>25</sub>	<i>tu-kaš-ša</i> lal- <i>ma</i> ud 3 kam <sup>v</sup> nu [duḥ ...]	
143'	A <sub>ii10</sub> Diš ki.mi[n 10 gín] zì <sup>giš</sup> šur.mìn 10 gín zì <sup>giš</sup> MAN.DU 10 gín zì <sup>šim</sup> li 10 gín zì <sup>šim</sup> gúr.gúr	
J <sup>ob</sup> <sub>21</sub>	[ ] 10 gín zì <sup>giš</sup> šur-mìn-nu 10 gín [zì] <sup>šim</sup> MAN.DU <sup>22</sup> [ <sup>šim</sup> gúr <sup>?</sup> gúr <sup>?</sup> ]	
G <sub>26</sub>	[(x) 10 g]ín KU [(xx) <sup>giš</sup> ]e.ren 10 gín zì <sup>giš</sup> šur.mìn 10 g[ín ] <sup>27</sup> [ x x ]x 10 gín KU <sup>šim</sup> BA[L <sup>?</sup> ] 10 [ ]	
144'	A <sub>ii11</sub> 10 gín zì x[ z] <sup>?</sup> i g <sup>?</sup> u.gal 10 gín zì gú.tur 10 gín bar zú.lum.ma 10 gín zà.ḥi.li	
J <sup>ob</sup> <sub>22</sub>	10 gín zì gazi <sup>sar</sup> 10 gín zì gú.gal <sup>23</sup> [ ] bar <sup>?</sup> zú.lum.ma 10 gín zà.ḥi. [li]	
G <sub>27</sub>	[ <sup>28</sup> ]x 10 gín qí-líp zú.lum.ma 10 gí[n ]	
145'	A <sub>ii12</sub> 10 gín dida sig <sub>5</sub> 10 gín KU munu <sub>5</sub> 1-niš ḥe.ḥe <i>ina</i> kaš sila <sub>11</sub> - <i>aš</i> gur- <i>ma</i> ḥád.a gaz sim	
J <sup>ob</sup> <sub>24</sub>	[ 10 g]ín KU mu[nu <sub>5</sub> ] 1-niš ḥe.ḥe <i>ina</i> kaš sila <sub>11</sub> - <i>aš</i> <sup>25</sup> [ ] [sim]	
G <sub>28</sub>	[ <sup>22</sup> ] 1-niš gaz sim <i>ina</i> kaš[(.sag) ṭa-la]- <i>aš</i> ]	
146'	A <sub>ii13</sub> [s]ag- <i>ka ú-kal</i> <i>ina</i> šà 1/3 sila ti-qé <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> - <i>aš</i> SAR- <i>ab</i> lal- <i>ma</i> ki.min	
J <sup>ob</sup> <sub>25</sub>	s[a]g- <i>ka ú-kal</i> <i>ina</i> šà 1/3 sila ti-qé <sup>26</sup> [ ] sila <sub>11</sub> - <i>aš</i> [S]AR- <i>ab</i> lal- <i>ma</i> [ki.min]	
G <sub>30</sub>	[sag- <i>k</i> ]a <i>ú-kal</i> <i>ina</i> šà 1/3 sila ti-qé <sup>?</sup> [xx] xx [...]	
147'	A <sub>ii14</sub> [Diš k]i.min zà.ḥi.li àra-ti <sup>šim</sup> gúr.gúr naga si 1-niš súd <i>ina</i> kaš sila <sub>11</sub> - <i>aš</i> SAR- <i>ab</i> ki.min	

148'	A <sub>III15a</sub> C <sub>33a</sub> A <sub>III15b</sub> G <sub>33b</sub>	[DIŠ ki.m]in <sup>šim</sup> gúr.gúr <sup>šim</sup> li šim. <sup>d</sup> nin.urta numun <sup>ú</sup> AB.GAB KA a.ab.ba <sup>šim</sup> ses 1-niš súd ina kaš sila <sub>11</sub> -aš [šim <sup>1</sup> gúr.gúr <sup>šim</sup> li šim. <sup>d</sup> maš numun <sup>ú</sup> ] <sup>34</sup> [ ta-]sàk ina kaš <sup>meš</sup> ta-la-aš
149'	A <sub>III16</sub>	[DIŠ ki.min <sup>šim</sup> gúr.gúr <sup>šim</sup> li illu <sup>šim</sup> buluḥ zú.lum i.udu éllag udu.níta 1-niš súd ina kuš SUR-re SAR-ab ki.min
150'	A <sub>III17</sub> H <sup>ob</sup> <sub>6'</sub>	[DIŠ na sag.d]u-su ud.da tab-ma u kuš-šú gu <sub>7</sub> -šú sag.du-su nu-pu-uḥ pa <sup>giš</sup> mes.má.kan.na DIŠ na sag.du-su ud.da tab-ma u kuš-šú gu <sub>7</sub> -šú [ ]
151'	A <sub>III18</sub> H <sup>ob</sup> <sub>7'</sub>	[hád.du gaz s]im zì gú.gal zì gú.tur dabin in.nu.ḪA 1-niš ina šur-šum-mi kaš sila <sub>11</sub> -aš SAR-ab ki.min hád.du gaz sim zì gú.gal zì gú.tur dab[in ] <sup>8'</sup> ina šur-šum-mu kaš sila <sub>11</sub> -aš [xxx]
152'	A <sub>III19</sub> H <sup>ob</sup> <sub>9'</sub>	[duḥ.še.giš.ì]i hād.a-ti <sup>šim</sup> gúr.gúr <sup>šim</sup> li zì.kum ina šur-šum-mi kaš sila <sub>11</sub> -aš SAR-ab ki.min DIŠ ki.<min> duḥ.še.giš.ì hād.du-ti <sup>šim</sup> gúr.gúr <sup>šim</sup> li k[i <sup>?</sup> .min <sup>?</sup> ]
153'	A <sub>III20</sub>	DIŠ ki.min [(x)] <sup>[ú]?</sup> ḪAR.ḪAR <sup>šim</sup> gúr.gúr <sup>šim</sup> li zì.kum ina kaš sila <sub>11</sub> -aš SAR-a[b ki.min]
154'	A <sub>III21</sub>	DIŠ ki.min <sup>ú</sup> LAL hād.a <sup>meš</sup> ina a šed <sub>7</sub> sila <sub>11</sub> -aš SAR-a[b ki.min]
155'	A <sub>III22</sub>	DIŠ na sag.du-su kúm-ma s[ig s]ag.du-šú i-šaḥ-ḫu-uḥ ana kúm sag.du[-šú zi <sup>?</sup> -ḫi <sup>?</sup> ]
156'	A <sub>III23</sub> B <sub>III4</sub>	u síg du-tam gub-zi <sup>[ú]</sup> [ak-ḫam <sup>ú</sup> šī-ma-ḫa ú babbar 1-niš súd ina a ḫe.ḫe sag.du-su te-sir [... ]x <sup>ú</sup> ak-tam <sup>ú</sup> šī-ma-ḫa ina a kúm [ ] <sup>15</sup> x[xx]x
157'	A <sub>III24</sub> B <sub>III5</sub>	ud 2 kam ina sag.du-šú i-mit-ti x x sag.du-su luḥ-si numun <sup>giš</sup> bi-ni <sup>ú</sup> kám-ka-da [xx m]ar <sup>?</sup> numun <sup>giš</sup> bi-nu numun <sup>ú</sup> kam-ka-du
158'	A <sub>III25</sub> B <sub>III5</sub>	<sup>ú</sup> níg.gán.gán <sup>ú</sup> níg.gidru šika n[unuz ga.nu <sub>11</sub> <sup>muš</sup> ] <sup>en</sup> 1-niš súd ina i ḫe.ḫe sag.du-su šéš-aš numun <sup>ú</sup> [ ] <sup>16</sup> <sup>ú</sup> níg.gidru sipa šika nunuz ga.nu <sub>11</sub> <sup>mušen</sup> gaz si[m] <sup>17</sup> ina i.giš ḫe.ḫe sag.du-su šéš-ma sí gub-a[z (x)]
159'	A <sub>III26</sub> B <sub>III8</sub>	én múnšub al.dúb.b[a] múnšub al.kala.ga én m[un]šub kala.ga munšub kala.ga
160'	A <sub>III27</sub> B <sub>III9</sub>	múnšub al.mú.da mú.da [m]únšub níg.gub.ba tu <sub>6</sub> én munšub mú.da mú.da tu <sub>6</sub> én
161'	A <sub>III28</sub>	ka.inim.ma síg sag.d[u] níg.gub.ba mú.da.kam
162'	A <sub>III29</sub> J <sub>27</sub> B <sub>III20</sub>	dù.dù.bi <sup>na4</sup> duḥ.ši.a <sup>na4</sup> gug <sup>na4</sup> za.gìn <sup>n[na4]</sup> ] <sup>na4</sup> igi.ku <sub>6</sub> <sup>na4</sup> šuba d[ù.dù.bi] <sup>na4</sup> duḥ.ši.a <sup>na4</sup> gug <sup>na4</sup> za.gìn <sup>na4</sup> nír <sup>na4</sup> babbar.<min <sub>5</sub> > <sup>28</sup> <sup>na4</sup> [igi.ku] <sub>6</sub> <sup>na4</sup> šuba dù.dù.bi <sup>na4</sup> gug <sup>na4</sup> za.gìn <sup>na4</sup> d[u]ḥ.ši.a <sup>na4</sup> nír
163'	A <sub>III30</sub> J <sub>28</sub> B <sub>III21</sub>	<sup>na4</sup> šuba á.zi.da <sup>na4</sup> šuba á.gùb.b[u <sup>na4</sup> kur-nu dab <sup>n[na4]</sup> muš.GÍR <sup>na4</sup> aš.gì.gì <sup>na4</sup> ugu.aš.gì.gì <sup>na4</sup> šuba zi.da <sup>na4</sup> šuba gùb.bu <sup>22</sup> [na4]kur-nu dab <sup>na4</sup> muš[GÍR] <sup>na4</sup> aš.gì.gì <sup>na4</sup> ugu.aš.gì.gì <sup>na4</sup> babbar.min <sub>5</sub> <sup>na4</sup> igi.ku <sub>6</sub> <sup>na4</sup> muš.GÍR <sup>na4</sup> aš.gì.gì <sup>na4</sup> ugu.aš.gì.gì <sup>22</sup> <sup>na4</sup> kur-nu dab <sup>na4</sup> šuba <sup>na4</sup> šuba á.zi.da <sup>na4</sup> šuba á.gùb.bu
164'	A <sub>III31</sub> J <sub>29</sub> B <sub>III23</sub>	13 nī-bi an-nu-ti ina <sup>síg</sup> ḫé.me.da è-ak [ ]x-ma síg du-tú ik-ka-l-la 13 nī-bi an-nu-te <sup>30</sup> [ina <sup>sí</sup> ḫé.me.da è-ak ina síg kešda <sup>(da)</sup> -ma [síg] du-tú ik-ka-l-la ina <sup>síg</sup> ḫé.med è ina síg-šú kešda síg min
165'	A <sub>III32</sub>	én at ta ba ra an gi zi ba an [x x x z]i im ba ra uz mi ia aš
166'	A <sub>III33</sub>	pa at ri un da kur ra ḫé-e[n]-x ḫ[é-en] x [ x x ] tu <sub>6</sub> én
167'	A <sub>III34</sub>	kid.kid.bi 7 ḫa-ru-bé-e šá IM.si.sá ti-qé ina izi ur-ba-te tur-ár ina i ḫe.ḫe én 7-šú
168'	A <sub>III35</sub>	šid-nu 3-šú šéš-su 3-šú ta-ḫal-ḫa-s[u e-nu-ma ta-ḫal-la-ṣu-šú én 3-šú ana ugu sag.du-šú šid-nu
169'	A <sub>III36</sub>	én i-bi gi i-bi x[ ]ḫi <sup>?</sup> sag.ki.zí sag.ki.zí ḫé.en.zálag.ge sag.ki GIš sag.ki GIš
170'	A <sub>III37</sub>	ḫé.en.zálag.g[e ]x ma.al.lal i.di mu.ra.an.gub ḫul.bi ḫul.ḫul én
171'	A <sub>III38</sub>	kid.kid[.bi ...] sag.du ígira <sup>mušen</sup> sag.du buru <sub>5</sub> .ḫabrud.da níta <sup>giš</sup> u <sub>4</sub> .ḫi.in <sup>giš</sup> gišimmar [(x)]
172'	A <sub>III39</sub>	[...] én 3-šú ana šá šid-nu eš <sup>meš</sup> -su-ma síg du-tú ik-ka-l-la lu šá níta lu [šá munus]
173'	A <sub>III40</sub>	[én ...]x GI LIL šu.gi.e.dè šu.gi
174'	A <sub>III41</sub>	[kid.kid.bi xx ḫa-ru-b]é-e šá IM.si.sá ti ina izi tur-ár ina i <sup>giš</sup> šur.mìn múd <sup>giš</sup> eren ḫe.ḫe eš <sup>meš</sup> -su-ma si.sá-šar <sub>5</sub>



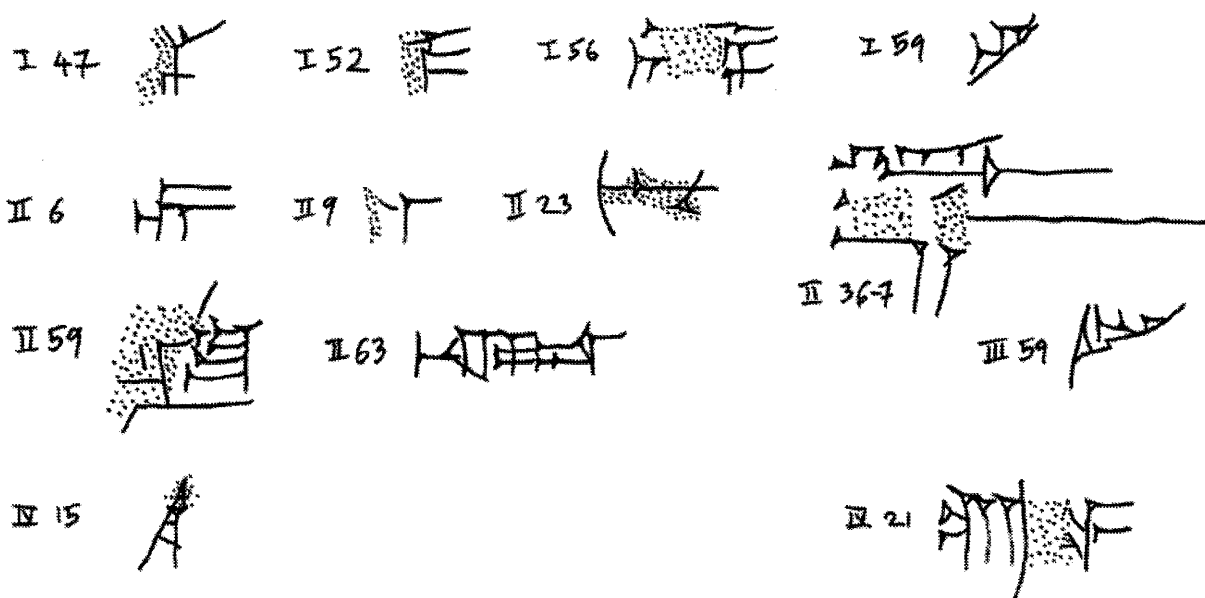
175'	A <sub>iii42</sub>	[én xxx] h <sub>u</sub> l.a níg.nam-[x]-ma an[(x)]-zé-er-ta
176'	A <sub>iii43</sub>	[... n]i' h <sub>a</sub> ba ri eš ma ni ir ra an ni h <sub>a</sub> l h <sub>a</sub> l la ta la gu gim ma ti.la.šè
177'	A <sub>iii44</sub>	[...]x wa du ru na aš h <sub>u</sub> ri na a <sub>h</sub> mu un d <sub>i</sub> h <sub>u</sub> na h <sub>a</sub> at tu ug tu <sub>6</sub> én
178'	A <sub>iii45</sub>	[ka.inim.m]a síg mú.da.kám
179'-80'	A <sub>iii46-7</sub>	<erased>
181'	A <sub>iii48</sub>	DIŠ na síg te <sup>meš</sup> -šú <i>ma-gal i-šaḥ-hu-uh</i> na bi dingir-šú <sup>d</sup> išt <sup>r</sup> ar-šú ki-šú <i>ze-nu-u</i>
182'	A <sub>iii49</sub>	kid.kid.bi <i>ana</i> igi mul <i>maḥ-ī[e]</i> -e kešda kešda zú.lum.ma <sup>zi</sup> eša dub-aq ninda.ì.dé.a lál i <sub>1</sub> n <sub>u</sub> n.na <sub>1</sub> gar-an
183'	A <sub>iii50</sub>	<sup>udu</sup> siskur dù-uš <sup>uzu</sup> zag <sup>uzu</sup> me.[h <sub>e</sub> <sup>uz</sup> ]KA.NE <i>tu-ṭaḥ-ḥa</i> kaš bal-qí GIŠ.GAN <sup>giš</sup> m <sub>1</sub> á. <sup>eris</sup> eš-má-le-e
184'	A <sub>iii51</sub>	u <sub>5</sub> argab <sup>mušen</sup> <sup>u</sup> igi.niš <sup>[u]</sup> [š]e <sub>10</sub> má. <sub>1</sub> laḥ <sub>5</sub> ki i h <sub>e</sub> .h <sub>e</sub> <i>ina</i> igi mul gar-an én <i>an-ni-tam 3-šú šid-nu</i>
185'	A <sub>iii52</sub>	<i>at-ta</i> mul <i>mu-nam-mir</i> [... <i>ina</i> ] <i>qé-reb an-e ḥa-iṭ ub</i> <sup>meš</sup>
186'	A <sub>iii53</sub>	<i>ana-ku</i> nenni a nenni <i>ina</i> ge <sub>6</sub> <i>an-né-e</i> igi-ka <i>kam-sa-ku di-ni di-in</i> eš.bar-a-a kud-us
187'	A <sub>iii54</sub>	<sup>u</sup> hi.a šeš <sup>meš</sup> <i>lip-si<sup>1</sup> su<sup>1</sup></i> lum-ni á.gú.zi.ga babbar-ma te <sup>meš</sup> -šú <i>ta-kar</i>
188'	A <sub>iii55</sub>	DIŠ ki.min GIŠ.GAN <sup>giš</sup> lú-a-nu <sup>[u]</sup> <i>eli-kul-la<sup>u</sup> kur-ka-na-a</i> DIŠ xx[x síg ] <sup>1</sup> mí.áš.gar <sup>1</sup> giš.nu.zu <i>ina</i> gú-šú gar-an
189'	A <sub>iii56</sub>	6 ka.inim.[m]a síg mú.da.kam
190'	A <sub>iii57</sub>	DIŠ na ugu-šú a [ <sup>u</sup> ]-[kal i]na šu.si-ka gal-ti a-šar a <sup>meš</sup> <i>ú-kal-lu</i> tag.tag-at <i>šum-ma</i> <sup>uzu</sup> GIŠ-šú
191'	A <sub>iii58</sub>	<i>be-e'-š[at a' gul-g]ul-li-šú it-tar-du</i> bad-ma <i>gul-gul-la-šú te-ser</i> LAGAB A <i>ša gul-gul-li-šú</i>
192'	A <sub>iii59</sub>	<i>[u' -še'-lam'-ma' túg' sig' a' ]</i> uh-si <sup>1</sup> i.giš sud <i>ana</i> ugu gig gar-an KU.KU giš.kín zì báḥar súd <i>ana</i> ugu gig
193'	A <sub>iii60</sub>	[gar-an ud n kam lál duḥ <sup>1</sup> -m]a túg sig <sup>1</sup> a luḥ-si <sup>1</sup> i.giš sud <i>ana</i> ugu gig gar-an <sup>túg</sup> <i>na-al-ti-īp-ti</i>
194'	A <sub>iii61</sub>	[... ud] n+2 kam lál duḥ-ma túg sig <sup>1</sup> a luḥ-si <sup>1</sup> i.giš sud <i>ana</i> ugu gig gar-an
195'	A <sub>iii62</sub>	[... -ḥi] gazi <sup>sar</sup> gibil-ti ki zì še.sa.a h <sub>e</sub> .h <sub>e</sub> <i>ana</i> ugu gig mar ud 1 kam lál duḥ-ma
196'	A <sub>iii63</sub>	[xxx <sup>šim</sup> ] li gaz ki zì.kum h <sub>e</sub> .h <sub>e</sub> <i>ina</i> a gazi <sup>sar</sup> sila <sub>11</sub> -aš lál igi gig <i>tu-gal-lab adi</i> ti.la lál
197'	A <sub>iii64</sub>	<i>[u-la]p-pat-ma šum-ma</i> <sup>uzu</sup> GIŠ-šú <i>la be-e'-šat ana li-mit</i> sag.du-šú NE na <sub>4</sub> <sup>meš</sup> gar-an
198'	A <sub>iii65</sub>	én <i>u[r-b]a-tum ur-ba-tum ur-ba-tum sa-am-tum</i> zì-am-ma <i>ur-pa-ta</i> sa <sub>5</sub> <i>ik-tum</i> IM.šèg sa <sub>5</sub>
199'	A <sub>iii66</sub>	zi-[m]a ki-tam sa <sub>5</sub> -tum <i>ir-hu</i> a.zi.ga sa <sub>5</sub> zi-ma íd sa <sub>5</sub> -tum <i>im-la</i> <sup>lú</sup> engar sa <sub>5</sub>
200'	A <sub>iii67</sub>	<sup>giš</sup> [ma]r sa <sub>5</sub> <sup>giš</sup> dusu sa <sub>5</sub> íl-šr <sup>1</sup> m <sup>1</sup> a a <sup>meš</sup> sa <sub>5</sub> <sup>meš</sup> <i>li-is-kir</i> <sup>giš</sup> ig-ma sa <sub>5</sub> <sup>giš</sup> sag.kul-mi sa <sub>5</sub>
201'	A <sub>iii68</sub>	k <sup>1</sup> á <sup>1</sup> -šú-nu <i>it-tu man-nu-um-ma šá i-pe-et-ta-ku-nu-ši i-ri-iš ma-ra i-ri-iš ma-ra</i> tu <sub>6</sub> én
202'	A <sub>iv1</sub>	ka.in[im.ma ( <i>šumma</i> ) amēlu <sup>2</sup> mē <sup>2</sup> gulgulliš <sup>2</sup> ] <i>la ik-kal-lu-ú</i>
203'	A <sub>iv2</sub>	dù.dù.bi <i>ḥa-l-lu<sup>1</sup> ta-na<sup>1</sup></i> -a šá gír è[me](MUNUS.[ANŠE]) nigin-mi <i>ana</i> šá <i>ḥi-pe-e-ti</i> gar-an
204'	A <sub>iv3</sub>	én 7-šú šid-nu <i>ina</i> túg <i>ta-ḥad-di-iq</i> [...]x-nu 7 KA.kešda kešda <i>e-ma</i> kešda
205'	A <sub>iv4</sub>	én šid-nu <i>ina</i> sag.ki-šú x[xxx] <i>ina-eš</i>
206'	A <sub>iv5a</sub>	DIŠ na sag.du-su a <i>ú-kal</i> <i>e-le-nu da-d[ā-ni-šú]</i> ]
	B <sub>iv7</sub>	DIŠ na sag.du-su a <sup>meš</sup> dab-al murub <sub>4</sub> sag.du-šú u sag.ki <sup>II</sup> -šú tag <sup>meš</sup> -šú <sup>š</sup> ugu <i>da-da-ni-šú ti-ik-ki-šú</i>
	A <sub>iv5b</sub>	[ <sup>giš</sup> e][r][e][n] <i>hum-ṭám</i> gar-an-ma a-šú ub-bal
	B <sub>iv8</sub>	kúm gar-ma tin
207'	A <sub>iv6</sub>	DIŠ na <i>ab-bu-ut-ta-šú</i> a <i>ú-kal kal</i> u[d ... i]na ud 7 kam lál
208'	A <sub>iv7</sub>	<i>ina</i> ud 8 kam <i>ab-bu-ut-ta-šú 3-šú te</i> [...]x-na-am lál
209'	A <sub>iv8</sub>	DIŠ na sag.du-su <i>še-ḥa ú-kal</i> [ ]xx ud <sup>2</sup> gar-an
210'	A <sub>iv9</sub>	DIŠ na sag.du-su <i>it-te-né-ba-aš-šum</i> [-ma xxx <sup>na4</sup> mu]š.GÍR <sup>na4</sup> dag.gaz <sup>na4</sup> gug.mar.ḥa.ši
211'	A <sub>iv10</sub>	<sup>na4</sup> zú ge <sub>6</sub> <sup>na4</sup> nír <sup>na4</sup> an.za[.gu] <sup>1</sup> l.m <sup>1</sup> e xx <sup>na4</sup> a]maš.pa.è 8 na <sub>4</sub> <sup>meš</sup>
212'	A <sub>iv11</sub>	<i>an-nu-ti ina</i> <sup>šig</sup> h <sub>e</sub> .me.da síg babbar NU.NU [xxx <i>ana</i> ] sag.ki <sup>II</sup> -šú <i>tara-kás-ma ina-eš</i>
213'	A <sub>iv12</sub>	DIŠ na [sag.du-su] <i>em</i> [-ma ik <sup>2</sup> -ta <sup>2</sup> ]-na-aš-ša <sup>šim</sup> gúr.gúr <sup>šim</sup> i <sup>šim</sup> MAN.DU šim.šal <sup>šim</sup> BAL
214'	A <sub>iv13</sub>	[ <sup>giš</sup> ]eren.BAD <sup>giš</sup> si-ḥu <sup>giš</sup> <i>ā[r-ga]-nu<sup>u</sup> ba-ri-ra-tam</i> gi dùg
215'	A <sub>iv14</sub>	[...]x <i>ina</i> i <sub>1</sub> udu éllag udu.níta <i>šá</i> mun nu šub-u <i>ina</i> múd <sup>g</sup> [e]ren súd <i>ina</i> kuš SUR-re sag.du-su lál
216'	A <sub>iv15</sub>	[...]x-tum <sup>šim</sup> buluh <sup>u</sup> <i>kur-ka-nu-u</i> [(x) q][u-ta]-ru <i>šá</i> sag.du
217'	A <sub>iv16</sub>	[ <i>nap-šal-ti</i> sa]g.du piš <sub>10</sub> . <sup>d</sup> itu <sub>5</sub> babbar u ge <sub>6</sub> <i>ni-kip-ta</i> níta u munus <sup>na4</sup> <i>mu-ša<sup>1</sup></i> [ K][A a.ab.]ba
	C <sub>41</sub>	<i>nap-šal-tu</i> sag.du piš <sub>10</sub> . <sup>d</sup> itu <sub>5</sub> babbar ge <sub>6</sub> <i>ni-kip-tam</i> níta u munus <sup>42 na4</sup> <i>mu-ša<sup>na4</sup></i> zálag <sup>na4</sup> AN.NE KA <i>tam-tim</i>
	K <sub>7</sub>	<i>nap-šal-ti</i> sag.du pi[š <sub>10</sub> . <sup>d</sup> itu <sub>5</sub> ] <sup>š</sup> [K]A a.ab.ba

218*	A <sub>iv17</sub>	[	<i>bī-n</i> ]	i si dāra.bar	<i>gul-gul</i> nam.lú.u <sub>18</sub> .lu	ú <sup>hi.a</sup>	<i>an-nu-ti</i>	ur.bi [...]
	C <sub>42</sub>	numun	<sup>giš</sup> <i>bī-ni</i>		<sup>43</sup> <i>gul-gul</i> nam.lú.u <sub>18</sub> .lu	si dāra.bar	ú <sup>meš</sup> ŠEŠ	1- <i>nīš</i> súd
	K <sub>8</sub>	numun	<sup>giš</sup> [				<sup>2'</sup> 1- <i>nī</i> ]	š] <i>ta-sāk</i> [...]
219*	A <sub>iv18</sub>	[				sag.ki <sup>meš</sup>	-šú	[...]
	C <sub>44</sub>	<i>ina</i>	ì u múd	<sup>giš</sup> <i>eri-īni</i>	he.he-ma	sag.ki <sup>meš</sup>	-šú	<i>tu-lap-pat</i>
220*	A <sub>iv19</sub>	[	s]	ag.du	ú <sup>KUR.KUR</sup> piš <sub>10</sub> . <sup>d</sup> itu <sub>5</sub>	ú <sup>KUR.KUR</sup> <i>ka-nam</i>	<i>nī-ki</i> ]	<i>p-a</i> níta u munus]
	C <sub>45</sub>	<i>qu<sub>5</sub>-tār<sub>5</sub></i>	sag.du	ú <sup>KUR.KUR</sup> <i>kib-rīt</i>	ú <sup>KUR.KUR</sup> <i>ka-nam</i>	<sup>46</sup> <i>nī-ki</i>	<i>p-tu</i>	níta u munus
	G <sub>12</sub>	[			piš <sub>10</sub> . <sup>d</sup> itu <sub>5</sub>	ú <sup>KUR.KUR</sup> <i>k[a-nam]</i>	<sup>13</sup> [	ní]ta u munus
221*	A <sub>iv20</sub>	[1- <i>nīš</i>	<i>tu-d</i> ]	<i>ak-kak</i>	<i>ina</i> múd	<sup>giš</sup> eren	he.he	<i>ina</i> NE <i>tu-qat-tar-šú</i> ]
	C <sub>46</sub>	1- <i>nīš</i>	<i>tu-dak-kak</i>	<sup>47</sup> [	mú]d	<sup>giš</sup> <i>eri-īni</i>	he.he-ma	<i>ina</i> NE SAR-šú
	G <sub>13</sub>	1- <i>nīš</i>	<i>tu-dāk-kak</i>	<i>ina</i> múd	<sup>giš</sup> eren	he.he	[xxx]	
222*	A <sub>iv21</sub>	[DIŠ na sag.d]	u-su	gig	ú <sup>ša-šu-um-tam</sup>	ú <sup>mur.dù.dù</sup> [ú]	[p]i	mu.un.zer
223*	A <sub>iv22</sub>	[xx]x-su	1- <i>nīš</i>	súd	<i>ina</i> a gazi <sup>sar</sup>	sil <sub>11</sub> -aš	sag.du-su	SAR-ab lal-ma ud 3 kam nu duḥ
224*	A <sub>iv23</sub>	[DIŠ na sag.du-s]	u dugud	<sup>šim</sup> gúr.gúr	<sup>šim</sup> li	ú <sup>KUR.KUR</sup>	<sup>šim</sup> ses	[ <sup>giš</sup> e]si <sup>šim</sup> buluḥ
	B <sub>ii43</sub>	DIŠ na sag.du-su	dugud	<i>ana</i> tin-šú	<sup>šim</sup> gúr.gúr	<sup>šim</sup> li	ú <sup>KUR.KUR</sup>	<sup>44</sup> <sup>šim</sup> ses Ú.KUR.RA
225*	A <sub>iv24</sub>	[			ì.udu	éll]ag	gu <sub>4</sub> he.he	<i>ina</i> kuš SUR-re sa[r-ab ud] n+4 kam lál
	B <sub>ii44</sub>	1- <i>nīš</i>	súd	ki illu	<sup>šim</sup> buluḥ	u	ì.udu	<sup>45</sup> gu <sub>4</sub> he.he <i>ina</i> kuš.edin SUR 5 u <sub>4</sub> -me lal-su
	B <sub>ii45</sub>	sag.du-su	<sup>46</sup> SAR-ab	<i>rib-ki</i>	<i>ina</i> a gazi <sup>sar</sup>	kúm sil <sub>11</sub>		lal-id
226*	A <sub>iv25</sub>	[...]	x [15]	u 2,30 3	TA.ÀM [te]-x[	<i>ina</i> a gazi <sup>sar</sup>	sil <sub>11</sub>	<i>ina</i> ì šéš lál
227*	A <sub>iv26</sub>	[					-m]a	<i>ina</i> zi-šú sag.du-su
	J <sup>ob</sup> <sub>31</sub>	[DIŠ na	<i>ina</i> si-li'-	ti-šú	kúm	<i>ina</i> sag.du-]	šú ip]-pu-uš-ma	<sup>32</sup> [sag].du-su dugud-ma <i>ina</i> zi-šú [sag.du-s] u
	B <sub>ii42</sub>	DIŠ na	<i>ina</i> lál-šú		kúm	<i>ana</i> sag.du-šú	ip-pu-uš-ma	sag.du-su dugud-ma <sup>43</sup> <i>ina</i> zi-šú sag.du-su
228*	A <sub>iv27</sub>	[						<sup>na4</sup> n]a.zà.ḫi.li súd
	J <sup>ob</sup> <sub>32</sub>	<i>ana</i> igi-šú	gíd.da-su	<sup>33</sup>	[ <sup>šim</sup> li] <sup>šim</sup> mar-gu-šú	<sup>šim</sup> ses	ú <sup>ur</sup> (text: šu)-nu-qu [ina]	<sup>34</sup> <sup>na4</sup> na.zà.ḫi.li súd
	B <sub>ii43</sub>	<i>ana</i> igi-šú	gíd.[d]a-su	<sup>44</sup> <i>ana</i> tin-šú	<sup>šim</sup> li	ú <sup>mar-gu-ša</sup>	ú <sup>ur-nu-q</sup> [a ina	<sup>(na4)</sup> ur-ša súd
229*	A <sub>iv28</sub>	[					x-šú	<i>i-tel-li</i>
	J <sup>ob</sup> <sub>34</sub>	<i>ana</i> šà	ì u kaš	šub sag.du-su	eš <sup>meš</sup> -ma	kúm	<i>ana</i> sag.du-šú	<i>i-tel-li</i>
	B <sub>ii45</sub>	<i>ina</i> lál	ì.sumun	šub sag.du-su	šéš-ma	kúm	sag.du	<i>i-tel-[i]</i>
230*	A <sub>iv29</sub>	[...]	x sag.du-su	eš <sup>meš</sup>				
231*	A <sub>iv30</sub>	DIŠ na	[...]	im	hád.a	gaz		
232*	A <sub>iv31</sub>	sim KI x[...]	x-ma	ud 3	kam nu duḥ			
233*	A <sub>iv32</sub>	DIŠ na sag.d[u-su				<i>ana</i> igi]-	šú]	gíd.da-su
	J <sup>ob</sup> <sub>35</sub>	[			[sag.d]	u-su	<i>pa-nu-šú</i> igi <sup>II</sup> -šú	g[i]r <sup>II</sup> -šú su <sub>6</sub> -šú mú <sup>meš</sup> -ḥu <sup>36</sup> sa[g.du-su] <i>ana</i> igi-šú gíd-su
234*	A <sub>iv33</sub>	šú <sup>II</sup> -šú	u	gír <sup>II</sup> -šú	[		<i>šim-m]</i> a-tam	tuku <i>ana</i> t[i-šú (x)] <sup>šim</sup> gúr.gúr
	J <sup>ob</sup> <sub>36</sub>	šú <sup>II</sup> meš-šú	u	gír <sup>II</sup> -šú	gu <sub>7</sub> -šú <sup>37</sup>	<i>mī-na-tu-šú</i> tab-ka	su-šú <i>šim-m]</i> a-tam	tuku <sup>meš</sup> <i>ana</i> ti-šú <sup>38</sup> <sup>šim</sup> gúr.gúr
235*	A <sub>iv34</sub>	<sup>šim</sup> li	[				<sup>giš</sup> ildag gazi <sup>sar</sup> z]	ì še.sa.a
	J <sup>ob</sup> <sub>37</sub>	<sup>šim</sup> li	ú <sup>KUR.KUR</sup>	numun	ú <sup>AB.GAB</sup>	<sup>38</sup> [s]aḫ-lé-e	àra-ti	pa <sup>giš</sup> ildag gazi <sup>sar</sup> zì še.sa.a
236*	A <sub>iv35</sub>	<sup>kaš</sup> l	dída	si[g <sub>5</sub>			l]na	a gazi <sup>sar</sup> sil <sub>11</sub> -aš
	J <sup>ob</sup> <sub>40</sub>	<sup>kaš</sup> l	dída	sig <sub>5</sub>	šim <sup>d</sup> maš	<sup>šim</sup> si.sá	1- <i>nīš</i>	gaz sim <sup>41</sup> <i>ina</i> a.gazi <sup>sar</sup> sil <sub>11</sub> -aš
237*	A <sub>iv36</sub>	sag.du-s[	u SAR-ab				lál-m]a	ud 7 kam nu duḥ
	J <sup>ob</sup> <sub>41</sub>	sag.du-su	SAR- <sup>ab</sup>	<sup>42</sup> suḥuš <sup>t</sup> (text ì.giš)	šú-šī	sag.du-su	šéš lál-ma	ud 7 kam nu duḥ
238*	A <sub>iv37</sub>	DIŠ ki.min	ú[...]	<sup>meš</sup> -ma	<i>ina</i> eš			
239*	A <sub>iv38</sub>	[DIŠ na	murub <sub>4</sub>	sag[du-šú			l]-ta-na-aḫ	gaz šà
	J <sup>ob</sup> <sub>43</sub>	DIŠ na	murub <sub>4</sub>	sag.du-šú	ú-zaq-qa-su <sup>]</sup>	<i>bir-ka-šu</i> dugud	ú-ta-b[a-ka]	<sup>44</sup> [e]-ta-na-aḫ gaz šà
240*	A <sub>iv39</sub>	tuku <sup>meš</sup>	-šī	él[lag-šú				ik-ta-nir-ru
	J <sup>ob</sup> <sub>44</sub>	tuku <sup>meš</sup>	é[II]ag-šú	e-ta-na-ba <sup>l</sup>	<sup>45</sup> [		i-ša-nam-mu	ik-ka-šú ik-te-né-[er-ru]
241*	A <sub>iv40</sub>	<i>ana</i> gig	z[i <sup>?</sup> -ḥi <sup>?</sup>			<sup>kaš</sup> did]a	<i>ina</i> a gazi <sup>sar</sup>	

J <sup>IV</sup> <sub>1</sub>	[	] gi dùg <sup>ú</sup> KUR.KUR [ ] <sup>giš</sup> še.nú.[a] <sup>2'</sup> [ <sup>kaš</sup> ]dida ina a gazi <sup>sar</sup>
242' A <sub>IV41</sub>	zi še.s[a.a	silal <sub>11</sub> -aš <sup>1</sup> lal]-id
J <sup>IV</sup> <sub>2</sub>	zi [	] <sup>ú</sup> níg.gidru <sup>2'</sup> [ina] utu hád.a gaz sim ina a gazi <sup>sar</sup> silal <sub>11</sub> -aš <sup>1</sup> lal-ma
243' <sub>II</sub> A <sub>IV42f</sub>	[...]	
249'' A <sub>IV48</sub>	[... num]un <sup>1</sup> <sup>giš</sup> gada numun <sup>ú</sup> x[	]
250'' A <sub>IV49</sub>	[	ina k]aš sag lu ina geštin nag [xxx]
D <sub>IV1</sub>	[ ZI]B <sup>2</sup> <sup>1</sup> lu-ú ina kaš sag <sup>1</sup> [	]
251'' A <sub>IV50</sub>	[DIŠ na sag.k]i.dab.ba tuku.tuku numun <sup>ú</sup> ku.š.LAGAB	
D <sub>IV2</sub>	[	sa]g.ki.dab.ba tuku.tuku
252'' A <sub>IV51</sub>	[dub 1] kam DIŠ na ugu-šú kúm ú-kal	
D <sub>IV3</sub>	[	]-šú kúm [ ]
253''-9'' A <sub>IV52'-8'</sub>	Standard Aššurbanipal Colophon, type 9 (see Hunger 1968, n. 329+)	

### Collations

I 7 At the end of the line 7 the lacuna includes more space than the copy suggests



### UGU 1 in translation<sup>1</sup>

- 1 If the crown of a man's head is feverish, †he gets a throbbing sensation in his temporal arteries†,<sup>2</sup> and it affects (lit. 'kills') his eyes, with his eyes †being clouded by†<sup>3</sup> (any one of) *birratu*, *ipītu*, *išītu*, *murdinnu*, *qūqānu*, and/or constantly shedding tears, then grind †1/3 of a litre of cress<sup>4</sup> and terebinth (nuts<sup>5</sup>)†<sup>4</sup> on the lower millstone, and sieve; the preparation awaits your attention: †take from it 1/3 litre†,<sup>5</sup> knead (it) in *kasû*-water, shave (J, B: his head), and bind on; do not untie for three days.
- 5 †Knead 1/3 of a litre of cress and 1/3 of a litre of ††flour of††<sup>6</sup> parched corn in *kasû*-water†,<sup>7</sup> shave (B: his head), bind on, and not untie for three days.

<sup>1</sup> Italics indicate uncertainty.

<sup>2</sup> B: †his t[em]p[oral] arteries throb, [...]†.

<sup>3</sup> B: omits (probably unintentionally, see note to line 2).

<sup>4</sup> J: †2 litres of cress<sup>4</sup> and terebinth (nuts<sup>5</sup>)†; B: † [1/3<sup>5</sup> litre<sup>5</sup> terebinth<sup>5</sup> (nuts<sup>5</sup>)] and cress†.

<sup>5</sup> B: †stir in 3 litres of cress<sup>5</sup>, myrrh, and four litres of ground cress† or †stir myrrh and four litres of ground cress<sup>5</sup> into 3 litres of the cress<sup>5</sup>; the preparation awaits your attention†.

<sup>6</sup> J: omits.

<sup>7</sup> B: †If ditto stir in 1/3 of a litre of cress and 1/3 of a litre of flour of parched corn, knead in *kasû*-water†.

6	Knead ground cress <sup>7</sup> , <i>kukru</i> , “horned” alkali in beer, ditto.
7	†Mix myrrh and <i>emesallim</i> -salt in equal proportions, pound in butter†, <sup>8</sup> da[ub onto] his eyes, [and he will recover].
8	Knead 1/3 litre of cress <sup>7</sup> , 1/3 litre of oven-sherd, 10 shekels of diluted be[er ...] in <i>kasû</i> -water, shave, bind on, and [do not untie] for ? days.
10	After these poultices, he shall gather up with (B: warm emmer) bread 10 shekels of cress <sup>7</sup> from the mouth of a mor[tar which has not discarded sher]ds (B: into the cress) and has not come into contact with †salt or† <sup>9</sup> vinegar, (B: as well as five shekels of cress) (and) he shall eat (it); †beat 5 sh[ekels of ground cress <sup>7</sup> ] in beer†, <sup>10</sup> give him it to drink, [he will bring it up and vomit. Cress bandages for the eyes.]
13	On the first day, po[und ...] <i>anzahhu</i> [...]
14	Pound and sieve 10 shekels of fruit of <i>kalbānu</i> , [...], juniper, 1/3 litre [...], [knead] (it) in <i>kas[û]</i> -water, [shave, bind on; do not untie for] three days.
16	Ko[hl ...]
17	[...] crush and si[eve ...]
19	[...] ten shekels of flour of d[ried] sesame residue [...]
20	Ten shekels of flour of dried sesame residue [...] bind his breast for one day; his head [...] sprinkle onto his head; in a hou[se ...]
23	1 shekel of spur of bat, 1/2 sh[ekel of ...]
24	1/3 litre of seed of purslane <sup>7</sup> , 1/3 litre of seed of tur[nip <sup>7</sup> ...]
25	1/3 litre of coarse flour, 1[0 she]kels of d[ate]-skins [...]
26-29	[...]
30	(E: If ditto) 1/3 litre of branch of f[ig which was cut in the month of Nisan ... shave his head, bind on ...], dry again [...]
32	(E: If ditto) 1/3 litre of (E: powder of) <i>būšānu</i> , 1/3 litre of (E: powder of) seed of <i>qudru</i> [...]
33	‘horned’ alkali [...]
34	1/3 [litre ...]
35-34	[...]
40'	[...] pound and ru[b in].
41'	[...] shave, bind on, he will recover.
42'	[...] ..., crush, sieve, knead in <i>kasû</i> -water; shave, bind on, di[tto].
43'	[...] †knead† <sup>11</sup> in fat from a long [bone] [...]†pound†, <sup>12</sup> daub on †† <sup>13</sup> .
44'	[...] pound [...] and gazelle dung, daub on.
45'	[...] [kne]ad, shave and bind on; do not untie for three days.
46'	[...] wash [...] [sha]ve, bind on; ditto.
47'	[...] pound [...] in mountain [ho]ney, gold patina, daub on.
48'	[...] knead [...] in <i>kasû</i> -water, shave, bind on; do not untie for three days.
49'	[...] knead [...] in ... o[r in boiled beer-dregs, shave, bind on; do not untie for three days
50'	[...] remove their best part, pound in honey, rub in.
51'	[If ditto] crush, sieve <i>th[eir best pa]rt</i> , knead in <i>kasû</i> -water, shave, and bind on; do not untie for three days.
52'	Crush, sieve, and knead [... re]d [plant] in <i>kasû</i> -water; do not untie for three days.

<sup>8</sup> B: †Pound myrrh and *emesallim*-salt in butter†.

<sup>9</sup> B: omits.

<sup>10</sup> B: †crush 5 shekels of cress with 1/2 litre of beer†.

<sup>11</sup> M: omits

<sup>12</sup> M: omits (probably erroneously).

<sup>13</sup> M: †x[...]†.

53'	Pound spur of bat in honey, daub it on.
54'	(E: If ditto dry,) crush, sieve, and [knead] 1/3 litre of twigs of r[ose]mary <sup>7</sup> in <i>kasû</i> -water, [sh]ave (E: his head), bind on; do not untie for three days.
55'	(E: If ditto) †knead boiled gypsum in olive oil†, <sup>14</sup> shave (E: his head), bind on, ditto.
56'	Pound sh[erd] and fine anointing oil which has fungal mould in oil and pat[ina ...], daub on.
57'	(E: If ditto) crush, sieve, and [knead] †juniper†, <sup>15</sup> (E: dried) cress <sup>7</sup> in beer dregs, [sh]ave (E: his head), and bind on; do not untie for three days ††. <sup>16</sup>
58'	(E: If ditto) crush and [sie]ve <i>hāltappānu</i> and (E: dried fruit of) <i>kalbānu</i> , knead in dregs of beer and <i>kurunnu</i> -beer, shave (E: his head), and bind on; do not untie for three days.
59'	Pou[nd] juniper, <i>kukru</i> , <i>baluḥḥu</i> , cress <sup>7</sup> , (and) “horned” alkali, [wa]sh, knead in milk, shave, bind on; do not untie for three days.
60'	Pound patina [(...) in ho]ney, daub on.
61'	[...] knead 1/3 litre of cress <sup>7</sup> , 1/3 litre of <i>bi[latu ...]</i> , shave, and bind on; do not untie for three days.
62'	[... k]nead 1/3 litre of cress <sup>7</sup> [...], shave, and bind on; do not untie for three days.
63'	[po]und slag <sup>7</sup> , <i>an[zahḥu ...]</i> , daub on.
64'	[...] 1/3 litre of flour of le[ntils] (or: ch[ick peas]) [... bind on]; do not untie for three days.
65' (ii.1)	Take, crush, and sieve fresh <i>kasû</i> , knead in beer-dregs, shave, and bind on; do not untie for three days.
66' (ii.2)	Squeeze out fresh ‘dog’s tongue’ seed, press its juice into a porous bowl, leave it until it is dry; when it has dried, pound in oil and patina, daub on.
68' (ii.4)	Take as much as looks right to you of ‘white plant’, spur of bat, (J: in) <sup>17</sup> fat of <i>kanaktu</i> , <i>ṣumlatû</i> , seed of <i>šurdunû</i> , †tamarisk fungus, seed of <i>maštaka</i> , <sup>18</sup> † ‘dog’s tongue’, branches of tamarisk, <i>emesallim</i> salt, ammi <sup>7</sup> , black cumin, crush, pound in oil, wash his eyes in “horned” alkali, daub on until he has finished crying; <i>while you bandage him, daub it on</i> . Afterwards do not release him [from] his sea[t]; boil juice of ‘chaste tree’, collect (it) up into a porous pot, let (it) stand overnight under the stars; in the morning [an]joint his head, drip the boiled juice of ‘chaste tree’ onto his head, sprinkle his head, tie a bandage of carded wool, pour [... lit]re of oil onto his head, lodge him in a house which offers shelter. Do this for three days.
74' (ii.10)	[If the crown of a man’s h]ead is continually hot, mix [ <i>together</i> ] gypsum, “horned” alkali, IN.DAR, sulphur, bone, “horned” alkali, rancid oil, fish oil, (and) fumigate his head over embers of camelthorn <sup>7</sup> .
76' (ii.12)	[If a man’s head] gets a fever, and his eyes become dim (and) contain blood, pound and sieve 1/3 litre of cress <sup>7</sup> , knead in <i>kasû</i> -water, shave his head, bind on; do not untie for three days.
78' (ii.14)	Knead 1/3 litre of cress <sup>7</sup> , 1/3 litre of coarse flour in vinegar, shave his head, bind on; do not untie for three days.
79' (ii.15)	[Knead] 1/3 litre of fig branches in milk [ ... If ditto] knead 1/3 litre of <i>būšānu</i> branches in milk, shave ditto (i.e. his head, bind on, do not untie for three days).
80' (ii.16)	[...] knead 1/3 litre of fe[nnel <sup>7</sup> ...] in milk, shave ditto.
81' (ii.17)	[...] knead 1/3 litre of <i>šadān[u ... i]</i> n milk, shave ditto.
82' (ii.18)	[...] knead <i>samannu</i> [...], shave ditto.

<sup>14</sup> E: †crush and sift boiled gypsum, [mix] with oil and [...]†.

<sup>15</sup> E: †*būšānu*†.

<sup>16</sup> E: †[...] *saḥlû* and ‘white plant’ in water [...]†.

<sup>17</sup> Corrupt. See note to 68’.

<sup>18</sup> J: †fungus, seed of flax, “horned” alkali, *maštaka*† (probably a misreading, see note).

- 83' (ii.19) [If] the crown of a ma[n's] head bur[ns] with *ṣētu*-fever [and his eyes flicker], knead [...] boiled leftovers, juniper, †*kukru*†,<sup>19</sup> *baluḥḥu*, cress<sup>2</sup>, se[same] residue, wormwood<sup>2</sup> in milk, †shave ditto†.<sup>20</sup>
- 85' (ii.21) [If the cro]wn [of a man's head] is inflamed with *ṣētu*-fever and [his eyes flick]er and are full of blood, crush together [...] asa-foetida, [...], cress<sup>2</sup>, rosemary<sup>2</sup>, sift, mix in *billatu*, shave [(...) b]ind on.
- 87' (ii.23) [...1/3 litre of cre]ss<sup>2</sup>, 1/3 litre of flour of cedar, 1/3 litre of juniper, 1/3 litre of [...] 1/3 litre of wormwood, 1/2 litre of [...], [2] litres of [s]esame [residue], †flour of†<sup>21</sup> chick-peas<sup>2</sup>, †pulv[erised]†<sup>22</sup> mal]t, †boiled *billatu*, [the preparation awaits your attention...], take [2 litres].  
[...] take [...], knead in *kasû*-water, shave, [di]tto.
- 90' (ii.26) [If ...] causes him stinging pain (and) the hair of his head stands upright, [...] pound [...] *kukru*, [...], heat in a small cooking vessel, [...] his head [...]
- 92' (ii.28) [...] cook [...] butter over a fire [...]
- 93' (ii.29) [...] cook [...] pa]tina, myrrh, *fītu* beer, butter, over a fire [...]
- 94' (ii.30) [...] ... su]lphur, human bone, don[key]-bone, [...] fumigate] his head over embers of camelthorn.
- 96' (ii.32) [Charm<sup>2</sup>] may the incense reed and the incense oil [...]...[...it will] shine for him [recital of the charm].
- 99' (ii.35) [Incantation: If a man]'s [...] causes him stinging pain.
- 100' (ii.36) [...] you will recite [ ... ], the crown of his head ... [...]
- 101' (ii.37) (fragmentary Sumerian incantation)
- 103' (ii.39) [...] *his mouth ... an inflammation* [...]
- 104' (ii.40) [...] you will re[cite the incantation... *ā*]o the middle of his head [...]
- 105' (ii.41) [...] *atā'āšū*<sup>2</sup> ... and bind on]; do not [untie] for three days.
- 107' (ii.43) If ditto, knead [...] in *kasû*-wat]er, and bind him [...]
- 108' (ii.44) If ditto, [...] kne[ad ...] juniper in beer [...].
- 109' (ii.45) If ditto, crush together and sieve cress<sup>2</sup>, [... *euph*]orbia, flour of parched grain, [knead] in beer.
- 110' (ii.46) If ditto, [kne]ad 1/3 litre of cre[ss<sup>2</sup> ...], shave [...]
- 111' (ii.47) If ditto, knead 1/2 litre[...], shave, [...]
- 112' (ii.48) If ditto, crush and sift 1/3 li[tre of ...], knead in *kasû*-water, shave, [...]
- 113' (ii.49) If ditto, knead [...] in *kasû*-water, [...]
- 114' (ii.50) If ditto, knead [...] in beer, shave, [...]
- 115' (ii.51) [...] knead [...] in *kasû*-water, shave, [...]
- 116' (ii.52) [...] knead [...] in *kasû*-water, shave [...]  
[...] knead [...] in *kasû*-water, shave [...]  
[...] knead [...] in beer-dregs, shave [...]
- 119' (ii.55) [...] wash [...] ammi<sup>2</sup> in *kasû*-water, [...] cru]sh and sift, 1/3 litre *kalbānu*, [...], knead in *kasû*-water, bind his head and his breast.
- 121' (ii.57) If d[itto], mix and knead [...], pa]rched corn in *kasû*-water, bind on.
- 122' (ii.58) If d[itto], mix and knead [...], parch]ed corn in *kasû*-water, shave, and bind on; do not untie for three days.
- 123' (ii.59) If d[itto], mix two litres each of [...] (and) [*ba*]luku, knead in *kasû*-water and beer, ditto.
- 124' (ii.60) If d[itto], knead [...], juniper in olive-oil and *kasû*-water, ditto.

<sup>19</sup> F: †*sumla*lū†.

<sup>20</sup> F: †bind on, and he will live†; B: †ditto†.

<sup>21</sup> B: omits.

<sup>22</sup> B: †[gr]ound<sup>2</sup>†.

- 125' (ii.61) If a man's [head] continually has a temperature, shave, knead emmer in *kasû*-water, bind for 15 days.
- 126' (ii.62) If d[itto], crush, sieve, and knead silt †which has been exposed to the open air†<sup>23</sup> in *kasû*-water, †bind for 3 or 5 days†.<sup>24</sup>  
[If] a *protuberance* comes forth [from the *ce*]ntre : from the middle of [a man]'s head, knead an *infusion* in *kasû*-water, anoint in oil, bind on.
- 128' (ii.64) (B: If a man's head is feverish,) to †unseat†<sup>25</sup> an inflammation of his head: knead (B: old) [o]ven-sherd and coarse flour in *kasû*-water, bind his head.
- 129' (ii.65) Knead [cre]ss<sup>26</sup>, terebinth, †flour of†<sup>26</sup> parched grain, in *kasû*-water, bind on. †If ditto†,<sup>27</sup> knead cress<sup>28</sup>, juniper (B: *kukru*) in *kasû*-water, bind on.
- 130' (ii.66) [...] dry, crush (and) sieve [...] in *kasû*-water, bind on.
- 131' (ii.67) Knead [*ash of* po]plar in *kasû*-water, bind on. If ditt[o], knead *haltappānu* and fruit of *kalbānu* in *kasû*-water, bind on.
- 132' (ii.68) (E: If ditto,) †dry and ††pound††<sup>28</sup> [fre]sh [grapes], knead in *kasû*-water†,<sup>29</sup> bind on. †[If ditto], knead rosemary<sup>30</sup> in *kasû*-water, bind on†<sup>30</sup> (E: do not untie for three days. (If ditto,) [...] seed of camelthorn<sup>31</sup> [...].)
- 133' (ii.69) [...] knead jun[iper ...] in *kasû*-water, bind on.
- 134' (iii.1) If [...] knead [...] ash of poplar in *kasû*-water, bind on.
- 135' (iii.2) If [...] knead [...] *kukru* in *kasû*-water, bind on.
- 136' (iii.3) If [...] mix [...] coarse fl[our], knead in *kasû*-water, bind on.
- 137' (iii.4) If [...] mix [...] coarse flour, knead in *kasû*-water, bind on.
- 138' (iii.5) If [...] knead [...] in *kasû*-[water], bind on. †If ditto, knead grass and *šellebēnu*-grass in *kasû*-water, bind on.
- 139' (iii.6) If [...], knead [...] *ash of* p[opl]ar in *kasû*-water, bind on.
- 140' (iii.7) [...] [...] knead [...] in *kasû*-water, bind on.
- 141' (iii.8) If [a man †'s head†<sup>31</sup> burns with *šētu*-fever and †the hair] of (G: the crown of) his head falls out†<sup>32</sup> and he repeatedly suffers pulsating arteries in the temples, †to [cure him ...]†<sup>33</sup> shave his head, pound one shekel of bat spur in oil, (J: shave and) cool down his head, and †bind on; do not untie for three days†.<sup>34</sup>
- 143' (iii.10) If di[tto], †mix together†<sup>35</sup> [10 shekels of flour of cedar], 10 shekels of flour of cypress, 10 shekels †of flour of sedge(-tubers)<sup>36</sup>, 10 shekels of flour of juniper, 10 shekels of flour of *kukru*, 10 shekels of flour of [*kasû*], [10 shekels of] (pulverised<sup>36</sup>) peas, 10 shekels of flour of lentils†, 10 shekels of date-skins, 10 shekels of cress<sup>37</sup>, 10 shekels of good *billatu*, 10 shekels of malt, knead in beer, dry (it) again, pound, sieve; the preparation awaits our attention: take from it 1/3 litre, knead in *kasû*-water, shave, and bind on, ditto.
- 147' (iii.14) [If di]tto, pound together ground cress<sup>38</sup>, *kukru*, and 'horned' alkali, knead in beer, shave, ditto.

<sup>23</sup> E: †which has been removed from (exposure to) the open air†. I owe this translation to Mark Geller.

<sup>24</sup> E: †bind him, and do not untie for three days. (If ditto) pound lupin<sup>39</sup>, [...] in water [...].

<sup>25</sup> B: †remove†.

<sup>26</sup> B: omits.

<sup>27</sup> B: omits.

<sup>28</sup> E: ††crush and sieve††.

<sup>29</sup> B: †knead fresh grapes in *kasû*-water†.

<sup>30</sup> B: †rosemary<sup>30</sup> ditto†.

<sup>31</sup> G: present; B: absent.

<sup>32</sup> J: †hair falls out from the top of his head† (corrupt<sup>32</sup> see note).

<sup>33</sup> G and B: omit.

<sup>34</sup> B: he will recover.

<sup>35</sup> G: †crush and sieve†.

<sup>36</sup> G: † [...] 10 shekels of flour<sup>36</sup> of *ballukku*<sup>36</sup> [...]†.

- 148' (iii.15) †[If dit]to†,<sup>37</sup> pound together *kukru*, juniper, spurge<sup>?</sup>, seed of *kammantu*, algae, myrrh, knead in *kasû*-water, shave, ditto.
- 
- 149' (iii.16) [If ditto], pound together *kukru*, juniper, *buluhhu*-resin, date, fat of male sheep's kidney, rub in with leather, shave, ditto
- 
- 150' (iii.17) [If a man's he]ad burns with *šētu*-fever and his skin hurts him, his head being swollen, [dry, crush, sie]ve branches of Magan-tree, knead flour of chick peas, flour of lentils, *tappinnu*-flour, *ennenu*-cereal together in beer dregs, shave, ditto.
- 
- 152' (iii.19) [If ditto ...] knead [...] dried [*sesam*]e [*residue*], *kukru*, juniper and coarse flour in beer-dregs, shave, ditto.
- 
- 153' (iii.20) If ditto, knead [...] thyme<sup>?</sup>, *kukru*, juniper and coarse flour in beer-dregs, shav[e, ditto].
- 
- 154' (iii.21) If ditto, dry *ašqulālu*, knead in cold water, shav[e, ditto].
- 
- 155' (iii.22) If a man's head is inflamed and the ha[ir of his he]ad falls out, to [remove] the inflammation of his head and cause the falling hair to remain attached, †pound together [*akt*]am, boxthorn, and 'white plant', mix in water, smear his head, on the second day [...] on his head on the right [...] wash [...] his head†,<sup>38</sup> †pound together†<sup>39</sup> seed of tamarisk, (B: seed of) *kamkadu*, (B: seed of) *egemgirû*, 'shepherd's staff plant', shell of [ostrich] e[gg], mix in oil, anoint his head (B: and the hair will stay in place).
- 
- 159' (iii.26) Charm. The hair is mighty, the hair is strong, the hair is growing, the fallen hair is growing (back). Charm.
- 
- 161' (iii.28) Incantation for making fallen head-hair grow back.
- 
- 162' (iii.29) Its ritual: string †quartz, carnelian, lapis-lazuli, [*hulālu*-stone, ††*papparmīnu*-stone††<sup>40</sup>], 'fish-eye'-stone, *šubû*, 'šubû of the right', 'šubû of the left', magnetic iron ore,], serpentine<sup>?</sup>, arsenic<sup>?</sup>, *uguašgigir*,<sup>41</sup> †these 13 *small pieces*†<sup>42</sup> on red wool, [tie onto †his†<sup>43</sup> hair] and the falling hair †will be stayed†.<sup>44</sup>
- 
- 165' (iii.32) (Abracadabra incantation)
- 
- 167' (iii.34) Its ritual procedure: take seven carob trees of the north, parch (them) over a fire of rushes, mix in oil; recite the incantation seven times, anoint him three times, comb him three times; while you are combing him recite the incantation over his head three times.
- 
- 169' (iii.36) Charm. *Smoke*, reed, *smoke*, ... [...] ... your temples, your temples, it will brighten; the temples, the temples are well, the temples are well, it will brighten, [the illness] will diminish for me, the *furious one* will stand there for you, its (the disease's) evil shall be obliterated. Charm.
- 
- 171' (iii.38) Its ritual proced[ure]: [ ...] head of heron, head of male rock-partridge<sup>?</sup>, fresh dates from a date-palm [...], recite the incantation three times over the heart, anoint him, and the falling hair will be held back, whether of man or of woman [...]
- 
- 173' (iii.40) [...] ... *must be grey, is grey*
- 
- 174' (iii.41) [Its ritual procedure:] take [*seven* car]ob trees of the North, parch over a fire, mix in cypress oil and cedar 'blood', and anoint him; he will be well.
- 
- 175' (iii.42) (Abracadabra incantation, part Sumerian)
- 
- 178' (iii.45) [Incantati]on to make hair grow.
- 
- 179'-80' <erased>
- 

<sup>37</sup> G: omits.

<sup>38</sup> B: †[...] *aktam* and boxthorn in hot water [...]†.

<sup>39</sup> B: †crush and sift†.

<sup>40</sup> Emending J to <sup>na4</sup>babbar.<min>. See note to 162'.

<sup>41</sup> B: same ingredients as J (and presumably A) but in a different order: †carnelian, lapis-lazuli, quartz, *hulālu*-stone, *papparmīnu*-stone, 'fish-eye'-stone, serpentine<sup>?</sup>, arsenic<sup>?</sup>, *ugu.aš.gi.gi*, magnetic iron ore, *šubû*, 'šubû of the right', 'šubû of the left'†.

<sup>42</sup> B: omits.

<sup>43</sup> J: omits.

<sup>44</sup> B: †ditto†.



- 181' (iii.48) If the hair on a man's cheeks is very loose, this man's god and goddess are angry with him.
- 
- 182' (iii.49) Its ritual: set up a ritual arrangement before the 'foremost' star, strew dates and *saskû* flour, lay down a *mersu*-cake, honey, and butter, make a sacrifice: offer a shoulder, fatty tissue, and roast meat, libate beer, mix GIŠ.GAN, rosemary<sup>?</sup>, spur of bat, *imhur-ešrâ* (and) 'sailor's dung plant' with oil, set it before the star, recite this incantation three times:
- 
- 185' (iii.52) 'You, O star, who illuminate [...], who inspect the (world's) edges [from] inside heaven. I, so-and-so son of so-and-so, am bowed down before you on this night. Pass my verdict, take the decisions concerning me! May these herbs cancel my misery.' (When) morning is bright rub (the preparation) on his cheeks.
- 
- 188' (iii.55) If ditto, [...] GIŠ.GAN, *amīlānu*, *elikulla*, *kurkanû*, [...], place [... hair] of virgin female kid on his neck.
- 
- 189' (iii.56) Six incantations to make hair grow.
- 
- 190' (iii.57) If the crown of a man's head is watery, palpate the watery spot with your thumb. If his ear smells bad (and) his skull's [*fluids*] have descended, open (i. e. make an incision) and rub his skull; *remove* all the fluid of his skull [...]; [w]ash [a thin bandage] in water, sprinkle (it) with oil, place (it) on the wound; pound powder of *kiškanû*-tree (and) potter's dross, (and) [place] (them) on the wound, bind on for [*n*] days, untie, wash a(nother) thin bandage in water, sprinkle (it) with oil, and place (it) on the wound; the bandage of [...] you bind on for *n*+2 days, remove; wash a(nother) thin bandage sprinkle (it) with oil, and place (it) on the wound; [...] mix [...] (and) fresh *kasû* with flour of parched corn, daub onto the wound, bind on for one day, and untie; crush [...] (and) juniper, mix with coarse flour, knead in *kasû*-water, shave the sick place, bind on until he recovers, p[alp]ate (again) and, if the ear does not smell bad, you place *hot stones* all around his head.
- 
- 198' (iii.65) Charm: a w[o]rm, a worm, a red worm has risen and covered the red cloud. Red rain has risen and inseminated the red earth. Red high water has risen and filled the red river. A red farmer has risen carrying a red [spa]de and a red hod so that he may dam the red waters, saying '(I obstruct them with) red door and red bolt'. *What sign is their gate?* The one who will open (it<sup>?</sup>) for you wants a spade, wants a spade. Recital of the charm.
- 
- 202' (iv.1) Incan[tation: (if) a man's skull fluids] are not retained.
- 
- 203' (iv.2) Its ritual: wrap up tuft(s) of black hair from a female [donkey]'s leg, and place it on the *troubled spot*. Recite the incantation seven times, press (it) in the cloth, [...] set up seven ritual arrangements, and each time you set one up recite the incantation. You [...] on his temples, [...] he will recover.
- 
- 206' (iv.5) If a man's head is watery, (B: rub the middle of his head and temples thoroughly), place †hot [ce]dar†<sup>45</sup> above his ne[ck], and †it will remove his water†.<sup>46</sup>
- 
- 207' (iv.6) If a man's forelock is watery, each d[ay ...] on the seventh day bind on; on the eighth day, you sha[ll ...] his forelock three times, [...] ... bind on.
- 
- 209' (iv.8) If a man's head is 'windy', [...] place [...]
- 
- 210' (iv.9) If a man's head constantly throbs [... ser]pentine<sup>?</sup>, a small block of stone, carnelian from Marhash, black obsidian, chalcedony, anza[gulme, ... a] *bašmû*-stone spin these eight stones onto a red thread and a white thread, [...] and bind onto his temple, and he will recover.
- 
- 213' (iv.13) If a man's head is hot, [and then becomes c]old all over [...] *kukru*, j[unipe]r sedge-tubers<sup>?</sup>, box-tree, *ballukku*-substance, [...] old cedar, wormwood, a[rgān]u, sagapenum<sup>?</sup>, sweet reed.
- 
- 215' (iv.14) [...] pound [...] in fat of male sheeps' kidney which has not been preserved in salt, and in cedar 'blood', rub in with leather, bind on.
- 
- 216' (iv.15) [...] *baluhhu*, *kurkanû*, [...] fu]migrants of the head.
- 

<sup>45</sup> B: †embers†.

<sup>46</sup> B: †he will recover†.

- 217' (iv.16) [Salve for the h]ead: sulphur black and white, euphorbia male and female, *muša*-stone, [*zalāqu*-stone, saltpeter], sea [al]gae, [seed of tamarisk], †horn of stag, human skull†.<sup>47</sup> crush these ingredients together, mix in oil and cedar 'blood', smear onto his temples.
- 
- 220' (iv.19) [Fumigant for the h]ead: crush together *atā'īšu*, sulphur, *kurkanû*, euphorbia male and female, mix in cedar resin, fumigate him over a fire.
- 
- 222' (iv.21) If a man's head is diseased, pound together *šašumtu*, *murdudû*, *supālu* [...] knead in *kasû*-water, shave his head and bind on; do not untie for three days.
- 
- 224' (iv.23) [If a man's head] is heavy, (B: to cure him) [pound together] *kukru*, juniper, *atā'īšu*, myrrh, †ebony, *baluḥḥur†*,<sup>48</sup> mix with *baluḥḥu* resin and ox †kidney†<sup>49</sup> fat, rub in with †leather†,<sup>50</sup> †shave†,<sup>51</sup> bind on for ? days, (B: shave his head, knead an infusion in cold *kasû*-water, bind on).
- 
- 226' (iv.25) [...] right and left, three each, [...] knead [in *kasû*-water]r, anoint with oil, bind on.
- 
- 227' (iv.26) If through a man's infection an inflammation spreads to his head, his head is heavy, and when he gets up his head draws him forwards, to cure him pound juniper, *margūšu*, and *urnuqqu* in a mortar, throw on oil and beer, anoint his head, and †the inflammation of his head will depart†.<sup>52</sup>
- 
- 230' (iv.29) [...] anoint his head.
- 
- 231' (iv.30) If a man [...] dry [...] ..., crush, sieve, [*mix*] with [...]; do not untie for three days.
- 
- 233' (iv.32) If a man's head, face, eyes, feet, (and) *chin* are swollen, his head draws him forwards, his hands and feet hurt him, his limbs are flat out and his body gets paralysis, to he[al him] you crush together *kukru*, juniper, *atā'īšu*, seed of *kammantu*, ground cress, branches of *adāru*, *kasû*, parched corn, sweet *billatu*, spurge<sup>?</sup>, *šurdunû*, sieve, knead in *kasû*-water, shave his head, anoint his head with liquorice †root†,<sup>53</sup> bind on, and do not untie for seven days.
- 
- 238' (iv.37) If ditto, [...] and [...]; he will recover.
- 
- 239' (iv.38) If the middle of a man's head causes him stinging pain, his lap is heavy, he excretes a lot, he is constantly tired, he repeatedly has 'heartbreak', and it constantly affects his kidneys [...] he is constantly thirsty, he is short of breath, to [remove] the illness, [knead] sweet reed, *atā'īšu* [...] 'chaste tree', [...] *billatu* in *kasû*-water with par[ched grain], blanch [...] 'shepherd's staff plant' in the sun, crush, sieve, knead in *kasû*-water, bind on.
- 
- 243'-8' [...]
- 
- 249' (iv.48') [...seed of] flax, seed of [...]  
[...] he will drink [...] in] [b]eer or in wine [...]
- 
- 251' (iv.50') If a man constantly has 'seizure of the temples', ...  
[1st] tablet (of the series) 'If the crown of a man's head holds fever ...'

<sup>47</sup> C: †human skull, horn of stag†.

<sup>48</sup> B: †*Ammi*†.

<sup>49</sup> B: omits.

<sup>50</sup> B: †the skin of a wild ass†.

<sup>51</sup> B: omits.

<sup>52</sup> J: see note.

<sup>53</sup> Emending J's text 'oil'. See note.

### Notes (by cumulative line number)

**1-3** The string of eye-symptoms would be remarkably particularised if they were all supposed to affect the patient simultaneously, and accordingly, they should be interpreted as a chain of alternate possibilities.<sup>54</sup> Thus the symptoms in the first prescription are: fever, throbbing sensation in the temples, and eye-trouble, the latter consisting in visual impairment and/or weeping.

**1** *umma ukāl*: the phrase is also used of other body parts, including the stomach (*libbu*), the penis (*išaru*), the epigastrium (*rēš libbi*) (see for these Heeßel 2000:252 14 and 254 31), and the feet (see *BAM* 120 iii 1: *šumma awīlu šēpāšu um-ma ú-kal-la-ma* ‘if a man’s feet are feverish’). It is not yet clear what difference, if any, there is between *umma kullu* and *umma rašū* (for which expression see *CAD* R 201<sup>a</sup>). On *muhhu* as ‘crown of the head’ see *JMC* 2 (2003):2<sup>1</sup> and George 2003:855. For the translation ‘to be feverish’ see Kinnier Wilson 1965:142, followed by Heeßel 2000:265.

*šer’ān(sa) tīb(zi) nakkapti(sag.ki)*: the constructions *šer’ānū(sa) nakkapti(sag.ki)-šū magal tebū* (Ebeling 1922-23:64 35\*) and...-šū *tīb(zi)* (*BAM* 6:1 and 7) would lead one to expect *tīb šer’ān nakkapti* (as in *BAM* 11:20, *ana ti-ib šer’ān(sa) nakkapti(sag.ki)*<sup>55</sup>) rather than the attested *šer’ān tīb nakkapti*, though *tīb(zi) nakkapti(sag.ki)* is attested as a phrase in its own right (e.g. Labat 1959:10,14). Note that in the text published by Labat 1956, the verbal endings reveal that the logogram *sa* stands for the plural *šer’ānū* (see especially rev. 10 and 12).

For the likelihood that *tīb nakkapti* ‘rising of the temples’ was an idiom for the quickening of the pulse in the temporal arteries, see Oppenheim 1962, Kinnier Wilson 1962:60-2 and 1996:135, Stol 1989:163-4, and Fincke 2000:91<sup>700</sup> and 139. Haussperger (2000:441) suggests ingeniously that medical texts’ insistence on the temples as the seat of headache has less to do with the fact that headaches in the temples were particularly frequent than with the universal habit of indicating headache by clasping a hand to the temples or forehead. This view is however somewhat undermined by *BAM* 6 (edition forthcoming in this journal), which deals with pulsing arteries in the right and left temples separately, prescribing different treatments for them.

**2** On the eye conditions mentioned (*birratu*, *ipītu*, *išītu*, *murdinnu*, *quqānu*) see now Fincke 2000 (on *amurdinnu* see also Haussperger 2000:442-5, and on *quqānu* cf. Stol 1998:344).

*a-šá-a*: as noted by Fincke (2000:96), this spelling and related ones are polysemous. *a-šá-a* could represent: (a) the feminine plural stative of *ešū* ‘to confuse’, with the foregoing illnesses as internal accusatives, and the patient’s eyes as subject; (b) the infinitive of the same verb, in the accusative, as object of *ittanaddā*, with the foregoing diseases being objects of the same verb.<sup>56</sup> Fincke (see footnote 54) interprets the form as (b) infinitive accusative, object of *ittanaddā*. However, as *nadū* in connection with tears means ‘to secrete, shed’, it would be awkward for it to take any of the other foregoing words as objects, and *a-šá-a* is perhaps better interpreted as (a), stative. Admittedly, if the scribe of *BAM* 3 omitted *a-šá-a* deliberately, then he cannot have regarded it as stative, but a careless omission is perhaps at least as likely.

*murdinnu*: this word appears both with and (as here) without an initial *a*. The loss of an initial vowel or syllable (‘aphesis’, ‘aphairesis’) is a phenomenon well attested cross-linguistically, but rare in Akkadian words with a parent verb (*GAG* §14a), because given the economy of Semitic morphology, the loss of a root modifier would severely reduce one’s ability to identify a word. Nonetheless, Akkadian does offer not few examples of aphaesis/aphairesis in loanwords, and as plant words are often lacking an Akkadian etymology, aphaesis/aphairesis is common in plant names. Some examples of this were collected by Köcher (1995:211<sup>b</sup>). To these we might add: *abiyāru* &

<sup>54</sup> Thus also Fincke (2000:91), translating the passage as follows: ‘Wenn eines Menschen obere Kopfpartie *ummu*-Fieber festhält, das ‘Sich-Erheben der Adern’ seine Schläfe erhalten hat und (die Krankheit) seine Augen (folgendermaßen) ‘geschlagen hat’: Seine Augen sind durch *birratu*, *ipītu*, *išītu*, *murdinnu* (‘Rose’) und/oder *quqānu* *ešū* sowie von Tränen(fluß) befallen.’

<sup>55</sup> On the relation of *tīb šer’ān nakkapti* and *tīb nakkapti* see Stol 1989:163 and Attia and Buisson 2003:16 note to 66.

<sup>56</sup> The accusative of the disease *ašū* (for which see Fincke 2000:99-102), as object of *ittanaddā*, is ruled out by the context: it would be exceptional for the disease *ašū* to affect the eyes exclusively (and the difficulty explained above would apply additionally).

*bi'āru* (?), *(a)bulīlu*, *(a)darānu*,<sup>57</sup> *(a)kuṣīmānu*, *(a)ladiru*, *(a)lappānu*, *(al)lu'tu* (?),<sup>58</sup> *(a)murrānu*, *(a)naniḫu*, *(a)ṣuṣimtu*, *(a)šarmadu*, *(e)gemgirū*.

**4** The identity of the plant *kasū*(gazi<sup>sar</sup>) is debated. See the recent discussions by Geller 2000 and Heeßel and Al-Rawi 2003:236. A culinary text edited by Bottéro (1995:42-3) includes a recipe for *mê kasī* (a meat broth). Bottéro *ad loc.* and Köcher (1995:211<sup>a</sup>) are sceptical that this is the same as *mê kasī* of medical texts, which Köcher believes to have been a cold extract ('extract' is also the translation of *CAD K 250<sup>a</sup>*).

On the idiom *rēša kullu* (lit. 'to hold the head') see Wilcke 1987:83. Emendation to *ú-qa'*(KAL)-*a-a* on Manuscript B (*BAM 3*) with *CAD K 517<sup>b</sup>* and *Q 331<sup>b</sup>*.

**6** On the plant name *gūr.gūr* // *kukru* see now Kinnier Wilson 2005:48, who discovers a connection with an onomatopoeic word similar to English 'croak' in the association with *mušārānu* 'frog' in a botanical text.

**9** The cadence (*qaqqassu*) *tugallab tarakkas/tašammid*, 'shave and bind (his head)', appears frequently in this and other therapeutic medical texts. Note the similarity with a Neo-Assyrian letter (Parpola 1993, *SAA X 335*) describing a treatment which has been effected:

2' *ma-a sag.d[u-su]* 'his head  
3' *nu-gal-lī-[īb xx]* we shaved [...]  
4' *ši-in-di [xxx]* a bandage [...]  
5' *ni-ir-k[u-us]* we bound on'

**10-12** I have interpreted *hul-qu* on *BAM 3* (Manuscript B) as a *purs-* form from *halāqu*, the context suggesting it is a collective noun meaning 'lost (i.e. chipped) bits' (of the mortar). *AHW 1433<sup>a</sup>* emends *hul* to *ār* (*ar'-qa-nu nadū*), which one could also change into *ar'-qa lā(nu) nadū* (I owe this suggestion to M. Stol). *sahlū* was often mentioned, used, roasted and stored together with salt (see *CAD S 62<sup>a</sup>-65<sup>a</sup>*), so the specification that the *sahlū* should not have come into contact with salt is understandable.

*tab*, which normally stands for *eṣēpu* 'to add' is used in *BAM 3* i 17 as a rebus writing for *eṣēpu* 'skim off, decant, scrape, gather up', which has an allomorph *eṣēpu* (*CAD E 330<sup>b</sup>*).

**12** Stol (1994:161-4) has shown that in certain contexts *kaš* and *kaš.sag* were used interchangeably, and that *kaš.sag* (which can be read *šikaru rēštū* 'prime beer') could stand simply for *šikaru* 'beer'. A Neo-Assyrian scholar quoting a ritual to the king glosses *kaš.sag* as *ši-ka-ru* (Parpola 1993, *SAA X 74:15*). This, together with the presence of *kaš* (not *kaš.sag*) on manuscripts B and D, suggests that *šikaru* is the reading of *kaš.sag* here.

At the end of the line there does not seem to be sufficient space to restore the full text of MS B, but the traces at the end of MS D are compatible with *ú*, so perhaps the text of UGU 1 should be restored [*ú-za-ka i-par-ra-ma ti*].

**16** The restoration *šim.bi.r[ ]i.da ...* is also possible. For a hypothesis about the connection between *Ú.KUR.RA* and *šim.bi.ri.da* (which are both logograms for Akkadian *nīnū*) see Kinnier Wilson 2005:50f.

**22** For the end of the line cf. line 73' (house offering shelter); or perhaps *AMT 88,2:6 ud 3 kam ina é ašīb*, 'let him remain indoors for three days'.

**41'** The traces at the end of the line would also fit *k[i.min]*, but 'ditto' would not give good sense here.

**43'** For *u<sub>5</sub> argab<sup>mušen</sup>* see the discussions by Biggs (1967:25f.), Civil (1984:5-9) and Finkel (2000:151). Cf. also Heeßel and Al-Rawi 2003:237 *ad ii 10*.

**44'** The text of *BAM 480* (collated) reads *itt(ki) šabīti(maš.dà)*, 'with gazelle'. However, 'gazelle' with no closer specification is unusual as an ingredient, *KI* is better read as *u* and *še<sub>10</sub>* written close together, giving the more satisfactory *u zē šabīti* 'and gazelle dung'.

**50'** On *dišpu* (perhaps 'date syrup' rather than 'honey') see recently Heeßel and Al-Rawi 2003:238 *ad ii 38*.

<sup>57</sup> The dictionaries do not recognise the identity of the two forms, but a relation should be considered.

<sup>58</sup> Unsure. *allu'tu* is so far attested as a plant name, *lu'tu* as a disease, and the two words are entered separately in the dictionaries. Since, however, plants and diseases often have related names (see provisionally Stol 1998:344), the two words may be connected.

51' The reason for suggesting the restoration [*dumuqšī*]na is that the ingredients in this tablet have a tendency to occur in groups, and in this case *dumuqšina* occurs in the preceding line.

52' For the reading [S]A<sub>5</sub> see the collated copy and compare the copies in *AMT* 2,2 Rev. 10 with *BAM* 480 i 52. For ú.sa<sub>5</sub> see *BAM* 578 iv 14, *CAD* S 128<sup>a</sup>, and 377<sup>a</sup> (Ú.SA<sub>5</sub> = ú zú.lum.ma).

55' The restoration [... *tuballa*] is suggested because in therapeutic texts the preposition *itti*(ki) is normally followed by *bullulu* 'to mix' (though see 11-12 B: *itti* 1/2 *qa šikari taḥaššal* 'crush with 1/2 litre of beer').

56' *kipšam* 'husks' and *kibšam* 'dung' are other possible, but much less likely, readings. For the restoration iš.[urudu] (Akkadian *šuhtu*) compare lines 60' and 67'.

57' For ú babbar (*šammu pešû* 'white plant') see the *Practical Vocabulary of Assur* (Landsberger and Gurney 1957-8:329) line 109, equating it with *hīl šarbate*, and likewise *Uruanna* I 225 ff: ú *a-ri-ḫu*, ú babbar, ú *šá-mu pe-šu-ú*: ú illu *šar-be-te* (both cited *CAD* S 108<sup>a</sup>, lex. section).

The erased vertical wedge after *šur-šum-* suggests that the scribe had begun to write *-me* (*šur-šum-me*), but decided to switch to *-mi* (*šur-šum-mi*), a historically 'purer' form, instead.

58' The restoration *kaš* [šeg<sub>6</sub>.g]á // *šikari bašli* 'boiled beer' is also possible (cf. line 49').

63' The restoration an.[*zaḥ* ...] has in its favour that it is a kind of glass, and that the preceding ingredient (*kù.kan*) is glass-related. Other possibilities include AN.[NE] (saltpetre) and an.[*daḥ.šum<sup>sar</sup>*](a plant).

68' (ii.4) A Late Babylonian commentary makes it clear that *kamūn bīni* 'kamūnu of tamarisk' is a single ingredient (see Kinnier Wilson forthcoming in this journal). This was, however, apparently not clear to the Jastrow scribe, who turned the signs *giš šinig* (*šinig* = *gad naga*) numun into numun *gad naga si*. Probably he was copying from a damaged *Vorlage* (a hypothesis consistent with the puzzling presence of *ina* in the same line of UGU, J ob. 9), but the failure to read the traces as *giš šinig* after *ka-mun* and the misreading which led to the insertion of *ina* suggest he was not au fait with the phrase, which in turn suggests that he was not expert in cuneiform medical literature (see also the notes to 141', 162', 229' and 237'). I owe the suggestion to interpret *pušikku* as a bandage to Mark Geller.

69' (ii.5) Campbell Thompson's translation (1937:224) 'as much as the glance of thine eyes will take', makes 'the glance of thine eyes' subject of the verb. Following *CAD* M i 148<sup>b</sup> and N ii 296<sup>b</sup>, however, the construction should be taken as analogous to *mala libbika*. Note similarly the use of *mala šibūtika* in medical texts (*AHW* 1099<sup>a-b</sup>).

According to *Uruanna* III 9 (Ú *bu-šá-nur*: Aš eme.ur.gi<sub>7</sub>, cited *CAD* B 350<sup>b</sup>), 'dog's tongue' is a cover name for the plant *būšānu*, according to *Uruanna* III 39 (Ú *ni-kip-ti*: Aš še<sub>10</sub>.ur.gi<sub>7</sub> eme.ur.gi<sub>7</sub> gir.pad.DU.ur.gi<sub>7</sub>, cited *CAD* L 209<sup>a</sup>) it is, along with 'dog's excrement' and 'dog bone' a cover name for the plant *nikiptu*.

70' (ii.6) Collation confirms Köcher's copy *ina* i súd against Campbell Thompson's *sa-rat*. Later in the same line, the text is not fully satisfactory, and a reading of *te-qé ud-ma* as *te-qí-tam-ma* 'ointment' does not seem to help. The translation (which presumes a reading *adi bakā(ér) parsu(tar<sup>su</sup>) teqqe inūma tašammidu(lal)šu teqqe*) is tentative and provisional. The text may be corrupt.

71' (ii.7) The restoration [*ina*] *parakkā* [b]ára *lā(nu) tapaṭṭar(duh)-šú* 'you shall not release him from his seat' follows Scurlock (2003:16 line 13).

72' (ii.8) The difference between my translation and Campbell Thompson's reflects the differences between the copies in *CT* and *BAM*, confirmed by collation. The determinative ú on *síg.ga.ríg.ag.a* // *pušikku* is unexpected. Possibly it originated with a misreading of *tarakkas*(kešda=SAR) as the herb determinative *sar* by a scribe who was unfamiliar with the logogram for *pušikku*, though this does not fully account for its presence on both manuscripts (A and J).

74' (ii.10) Campbell Thompson observed (1937:224) that the ingredient *uḫūlu*(naga) *qarnānū*(si) is repeated, and regarded this as mistake (erroneous repetitions are rare in medical texts, but nonetheless attested, e.g. *BAM* 494 i 63' (edited by Kinnier Wilson 1994:113), where a repeated occurrence of *sahar še.giš.i* 'sesame powder' has been partly erased by the scribe. However, the first occurrence of *naga si* in our passage is followed by the obscure signs IN.DAR, and it is possible that *naga si* IN.DAR belongs together as a phrase. This hypothesis would have the attraction of eliminating the repetition.

**75' (ii.11)** As shown by Stol (1998:350f), in view of syllabic spellings such as *i-na pe-en-ti ašāgā*<sup>(giš kiši<sub>16</sub>)</sup> a reading NE (abbreviation of NE.SI.A) // *pēmtu* is preferable to *izi* // *išātu* 'fire' (thus Campbell Thompson 1937:224) and *dē* // *ṭikmēnu* 'ashes'. Cf. however the notes to 131' (*šarbatu*) and 167' (*urbatu*).

**76'-77' (ii.12-13)** The symptoms described in this entry are a drastically abbreviated version of the complex symptomatology described in the first entry, treatments for which seem to take up most of the first column of the tablet. It is, therefore, logical enough that the remedy prescribed (the application onto the shaven head of a bandage of *sahlû* crushed, sifted, and kneaded in water of *kasû*) should use the ingredient which occurs most frequently in the first column, i.e. *sahlû*. On abbreviation cf. the note to 206'.

**80' (ii.16)** The writing with U<sub>5</sub> is standard. <sup>U</sup>U<sub>5</sub> [...] also possible; cf. Civil 1984, *MSL* XIV:292.

**83' (ii.19)** For literature on the disease *ḥimīt šēti* see Heeßel (2000:186-7).

**85' (ii.21)** M. Stol pointed out the desirability of a restoration which makes *-ra* the end of a dual or feminine plural stative (parallel with *diri-a* // *malâ* 'are full'), and nothing better occurs to me. Though admittedly space is short ([igi]<sup>II</sup>-<šû> is not a satisfactory solution), this still seems preferable to reading [*ku-ri*]a-*ra* u *dāma*(mūd) *mal*(*diri.a*) '(his head) is full of *kurāru*-boils and blood': *kurāru* is not otherwise attested as an object of *malû* 'to be full', and 'to be full of blood' is a standard symptom for eyes (see Fincke 2000:126-8), but not for the head.

**87' (ii.23)** Here and elsewhere (143' = iii.10, 213' = iv.12) the signs MAN.DU // *su'ādu* could conceivably be read as Akkadian *min.du*, a plant name which is only once written unequivocally (see *CAD* M ii 86<sup>a</sup>).

**88' (ii.22)** The reading of KU in KU *buqlī*(*munu*<sub>3,4,5</sub>) is uncertain. *AHW* 1535<sup>b</sup> maintains that KU *buqlī* as a drug in medical texts mostly stands for *qēm buqlī* 'flour of malt', an opinion tacitly supported by the reference to *BAM* 547:8' in Stol 1998:328<sup>b</sup>. The discussions in *CADI* 194<sup>b</sup> and Z 151<sup>b</sup>, on the other hand, argue on the strength of the *Practical Vocabulary of Assur* (Landsberger and Gurney 1957-8:330) 196, še<sub>10</sub> *munu*<sub>4</sub><sup>mes</sup> = *ze-e min* (*bu-qu-lu*), that when preceding *buqlī* in rituals and medical texts KU should be read še<sub>10</sub> // *zû* (literally: 'excrement', i.e.) 'refuse', a view further supported by the evidence of Köcher 1955: 8 i 14, [še<sub>10</sub>].*munu*<sub>4</sub> = *ze-e buqlī*(*munu*<sub>4</sub>) (cited *CAD* Z 151<sup>b</sup>, *AHW* 1535<sup>b</sup>).

**94' (ii.30)** 'Human bone' is a cover name for the plant *ḥaṭṭi rē'ī* 'shepherd's staff' (Köcher 1995:204b).

**96'-98' (ii.32-34)** I owe the interpretation of this incantation to Mark Geller.

**99' (ii.35)** For an example of incantation rubrics beginning 'ka.inim.ma *šumma*' see *AMT* 93,3:12 (ka.inim.ma *šum-ma amēlu*(*lû*) *idi šumēli-šû i-šam-ma-am-šû* 'incantation: if a man's left side is paralysed' — I owe this translation to M. Stol). Such rubrics could incorporate symptoms from therapeutic texts verbatim: compare ka.inim.ma *šumma*(*diš*) *amēlu*(*na*) *uznāšu i-šag-gu-[ma]* 'incantation: if a man's ears roar' (*AMT* 38,2:8) with *šumma amēlu uznāšu i-šag-gu-ma* 'if a man's ears roar' (*AMT* 33,1:38 and 40); and ka.inim.ma *šumma*(*diš*) *amēlu*(*na*) *mi-šit-ti lēti*(*te*) *irašši* 'incantation: if a man gets paralysis of the cheek' (*AMT* 76,5:4) with the symptom on line 9 of the same tablet: *šumma amēlu mi-šit-ti lēti maruṣ* 'if a man is ill with paralysis of the cheek'.

**108' (ii.44)** For reading and restoration *ta-lā-[aš]* cf. 122'.

**119' (ii.55)** Ú.KUR is the reading of *CAD* N ii 241<sup>b</sup>. [...*zūta ṭu-šam-maṭ* 'wipe away [the sweat]' is unlikely.

**120-21' (ii.56-57)** The edition follows the copies. Collation reveals that, the tablet edge having eroded slightly, part of *lal* and all of *-id* is now lost in both these lines.

**123' (ii.59)** The edition follows the copies. Collation reveals that the initial *lu* is now lost. For *ta.ām* corresponding in Akkadian to a status absolutus see George 2003: 209 and 212.

**125' (ii.60)** *BAM* 480 is overwhelmingly fond of writing *tašammid* as *lal* (not *lál*), and prescribing that bindings should be kept on for three days. This entry differs in both respects, by using *lál* instead of *lal* and prescribing that the binding should be kept for 15 days. This suggests that the compiler of UGU 1 switched sources at this point.

**126' (ii.62)** Cf *CAD* Š 152<sup>b</sup>.

**127' (ii.63)** The interpretation of this line is extremely tentative. Nonetheless, the restoration [*ger-b*]it *qaqqadi* 'centre of the head' is supported by the gloss *murub*<sub>4</sub> (Akk. *qablu*), as *qablu* and *qerbītu* are near synonyms, and *qabal qaqqadi* 'middle of the head' is a standard phrase in medical texts.

*ubānu* ‘finger’ is used in transferred senses to describe parts of the liver and lungs (see *AHW* 1339<sup>a</sup>), and so here it could represent some sort of protuberance. (*w*)*ašû* ‘to come out, stick out’ is used of body parts (*AHW* 1477<sup>b</sup>). Though *qerbīt qaqqadi* might suggest that the protuberance protrudes from inside the interior of the head, the phrase *qabal qaqqadi* is unequivocally attested as designating an external area, perhaps the top flat part of the head (see the references in *CAD* Q 8<sup>b</sup>). If the reading *ubān(u) tušša* is correct, this is a noteworthy occurrence of the Assyrian 3rd fem. sing. verbal prefix, rare in medical texts. For another Assyrianism in *BAM* 480 see line 174’ with note.

**131’ (ii.67)** This line and 139’ are restored on the strength of 134’. The reading *dè // tīkmēnu* seems preferable to *NE // pēmtu* here as it is easier to imagine ashes being kneaded than hot embers.

**141’ (iii.8)** As noted by Campbell Thompson (1937:230<sup>70</sup>), the text of *BAM* 3 ii 27 (*šumma awīlu šēta*(ud.da) *hamī*(tab)-*ma irašši*(tuku), ‘if a man burns with *šētu* fever and gets’) is corrupt, for *irašši* ‘he gets’ lacks an object. Deleting *tuku* is the simplest solution, as it does not figure on the duplicates (*BAM* 9 and Jastrow), though in principle one could emend *tab-ma* to *kúm*<sup>1</sup>, giving: *šumma amē/īlu šēta u/emma irašši* ‘if a man gets *šētu* fever and an inflammation’, or less plausibly ‘if a man gets hot *šētu* fever’.

The phrase *rāš* (i.e. *rēš*) *qaqqadi*(sag.du)-*šû* ‘top of his head’ on Manuscript J (Jastrow) is suspect. *rēšu* is regularly used with the meaning ‘top’ in connection with several body parts, but the dictionaries cite only one other instance of *rēš qaqqadi* ‘top of the head’, in a physiognomic text: *ina rēš*(sag) *qaqqadi*(sag.du)-*šû* (Kraus 1939 number 44:8 cited *CAD* R 284<sup>b</sup>). A duplicate to this text has instead *ina uruḥ*(dilib)<sup>59</sup> *qaqqadi*(sag.du)-*šû* ‘on the hair of his head’ (Kraus 1939 number 63 Obv. 5’), so the physiognomic text may be corrupt. If this were the case, the Jastrow attestation would be hapax and, given the scribe’s apparent inexpertise in medical literature (on which see the notes to 68’, 162’, 229’ and 237’) should perhaps be emended (possibly to *murub<sub>4</sub> qablu* ‘middle’).

**143’ (iii.10)** *zī* <sup>sim</sup>GÍ[R] is also possible instead of *KU* <sup>sim</sup>BA[L].

**144’ (iii.11)** On a point of historical interest, this is the passage where comparison of duplicates first enabled Köcher to determine that *KI.KAL* in medical texts should be read *qí-líp* (see Köcher 1963).

**149’ (iii.16)** On *hīl baluḥḥi* see Heeßel and Al-Rawi 2003:237 *ad* i 21.

**157’ (iii.24)** I owe the suggestion to read *i-mīt-ti* to M. Stol.

**158’ (iii.25)** The author of a Neo-Assyrian letter (Dietrich 2003, *SAA* XVII 147) has been asked by a correspondent who is ill to dispatch ostrich eggs to him. Since, as this passage itself shows, ostrich eggs are used as *materia medica*, it is attractive to suppose that the sufferer requested them to be sent because he required them for treatment.

**160’ (iii.27)** I owe the reading of *SAR* as *mú* ‘to grow’ (Akkadian equivalent uncertain) here and in similar contexts to M. Stol.

**162’ (iii.29)** The text of *UGU* 1 is unfortunately broken at the relevant point, but *BAM* 3 (Manuscript B) suggest that *NA<sub>4</sub> UD* written by the Jastrow scribe corresponds to an original <sup>na<sub>4</sub></sup>*babbar.min<sub>5</sub>*(*NA<sub>4</sub>.UD.AŠ.AŠ*). The omission of *min<sub>5</sub>* could simply be due to carelessness, but since *papparmīnu* is a relatively rare ingredient and the Jastrow scribe seems not to have been an expert in medical matters (cf. the notes to 68’, 141’, 229’ and 237’), he may deliberately have suppressed *min<sub>5</sub>* as signs he did not understand, and written *na<sub>4</sub> babbar* thinking of ‘white stone’.

**167’ (iii.34)** While the reading *NE // pēmtu* ‘coals, embers’ is preferable with other ingredients (see the note to 75’), a syllabic writing in a bilingual incantation suggests that in connection with *urbatu* ‘rushes’ *NE* should be read *izi // išātu* ‘fire’: *ki-ma i-šat ur-ba-te bi-li-ti ina ra-ma-ni-šû lib-li* ‘like an extinguished brush fire, may it be spontaneously extinguished’ (Lambert 1970:44 15).

**169’f (iii.36f)** The translation ‘your temples’ follows a suggestion by Irving Finkel that *Zí* could stand phonetically for Sumerian *-zu* ‘your’. The translation ‘the furious one’ supposes that *I.DI* might stand phonetically for *idim* (Akkadian *ekdu*).

**172’ (iii.39)** The specification that the treatment will be effective for both men and women deserves comparison with the incantation rubrics on the obverse of *AMT* 3,2, which specify that the treatment is intended specifically for women: *ka.inim.ma šārat*(síg) *qaqqad*(sag.du) *sinništ*(munus) *i-šah-ḥu-uh* ‘incantation (for when) the hair of a woman’s head is loose’ (line 6) and [*ka.inim.ma ana šārat*(s)ig]

<sup>59</sup> Kraus reads *DILIB*, and it is not immediately clear from his discussion (page 12, note 5) what sign this represents. Unfortunately, the text in question was not made available in cuneiform copy. In the index, however, he cross-refers between *uruḥḥu* and *DILIB*, which suggests that he has in mind *SAG\*ŠID*, read today as *dilib*.

*qaqqad*(sag.du) *sinništā*(munus) *ka-le-e* '[incantation for] preventing the hair of a woman's head from falling out' (line 15).<sup>60</sup> For an example of gender-specific treatment of ailments other than premature whitening of the hair, see the instruction which appears at the end of a recipe for a disease of the airways: *ana zikarī*(nita) *teppuš*(dù-uš) *ana sinništā*(munus) *lā*(nu) *teppuš*(dù-uš) 'do it to a man, (but) do not do it to a woman' (*BAM* 555 ii 14).

**173' (iii.40)** *šu.gi* is a logogram for words connected to *ši'ābu* 'to become old'. In the context of treatments for hair, it suggests that the incantation, most of which is now lost, was supposed to prevent premature whitening of the hair, and probably stands for *šibtu* 'greyness'. Compare a recipe which begins [*šumma amēlu ina še-eḥ*]-*ru-ti-šú* sag.du-su *še-bé-te* [*malī*] '[If while a man is y]oung his head [is full of] greyness' (*AMT* 4,1:7),<sup>61</sup> and another later on the same tablet which ends *šes<sup>mes</sup>-su-ma šib-tum lā*(nu) *ibaššā*(gál) 'anoint him thoroughly, and there will be no greyness' (*AMT* 4,1:25).

**174' (iii.41)** For the restoration cf. line 167'. *si.sá-šar<sub>5</sub>*(IM) i.e. *eššar* 'he will get well' is an Assyrian form (equivalent to Babylonian *eššir*). Cf. note to line 127'. On the reading of NE see note to 221'.

**176' (iii.43)** I owe the reading *ti.la.šè* // *ana bulluṭi/balāṭi* 'to cure him/that he may live' to Irving Finkel.

**182' (iii.49)** The restoration *maḥ-r[e]-e* and translation follow Reiner (1995:58). Collation suggests that *r[e]* is slightly more likely than *s[e]*, but the latter is not excluded, and I here record a suggestion alternative to Reiner's which may (or not) be validated by future textual finds. Our passage shares important similarities with Biggs 1967 no. 11: in both there is talk of stars (*Ištar kakkabī* in Biggs 1967); in both an <sup>udu</sup>siskur 'sacrifice' is offered for which it is prescribed that you *kaš*(sag) *bal-qí* 'libate (prime) beer', <sup>uzu</sup>zag <sup>uzu</sup>me.ḥé <sup>uzu</sup>KA.NE *tu-taḥ-ḥa* 'offer shoulder, fatty tissue, roast meat' (breaks ignored in transliteration); in both, the address to the star culminates in an unusual appeal that herbs might dispel the suppliant's trouble (*lipsisū lumnī & liṭrudū ruḥēja*). Given these similarities, we might well expect an equivalent in our passage of a *niknakku*(nig.na) 'censer' which figures in Biggs's text. This would appear if one read *maḥ-s[e]-e tušarra*(sar.sar) 'you shall set (the contents of) a *maḥsū* alight', *maḥsū* being a rare word for a metallic cup, attested in ritual use (see Dossin 1938:2 i 35).

**183' (iii.50)** *GIŠ.GAN* (also in line 188') is difficult. M. Stol kindly supplied me with the additional attestations in *AMT* 91,1 rev. 5 and 92,4:10, where it occurs after *ú.ḪAR.LUM.BA.ŠIR*. The former passage is a treatment for *šimmat zuqāqīpi* 'paralysis produced (as if<sup>2</sup>) by a scorpion (sting)'. The latter is broken, but enough is preserved to suggest that the two passages may be duplicates.

*GIŠ.GAN* may simply be an extremely rare ingredient whose Akkadian reading we cannot yet hope to penetrate. Alternately, it could be an abbreviated writing of the much better-known *kiškanū*, mixing the logographic and syllabic spellings (*giš.kín* and, inter alia, *kiš-kan-nu-ū*). Another possibility is that, since *giš.gan* normally stands for *kannu* 'pot (stand)', and in Neo-Assyrian vernacular this could well have become *ka'(')u*, it is possible that *giš.gan* is a rebus writing for the plant name *ka' u* (itself possibly deriving from *kammu* 'truffle') listed in *Uruanna* III 337 (cited *CAD* K 409<sup>a</sup>). A reading <sup>giš</sup>šita i.e. *kakku* 'thorn' encounters the difficulties that such a writing is not otherwise attested in monolingual Akkadian texts (Borger 2004:327); and it would leave unexplained *AMT* 91,1 rev. 5 (where it is followed by *ka tam-tim*).

**187' (iii.54)** Compare *šammū u napšaltu ša ina pānīka kunnū lipsisū arnūja* 'may the herbs and salve which are set up before you cancel my sin' (King 1896:12 rev. 76, edited by Ebeling 1953:80).

**188' (iii.55)** *šarat*(sig) *unīqā*(munus.áš.gar) *lā petītu*(giš.nu.zu) 'hair of virgin kid' may be a cover name for *šašumtu*. Compare the equation <sup>giš</sup>ša-šu-un-tú : AŠ *šarat laḥri<sup>2</sup>*(u<sub>8</sub>) *lā petīti* 'šašumtu : cover name for hair of virgin female sheep' cited by *CAD* S 116<sup>a</sup>, lex. section. For *GIŠ.GAN* see note to 183'.

**189' (iii.56)** The six foregoing incantations mentioned in the rubric are probably: (1) 159'-60' (iii.26-27), with following rubric and ritual; (2) 165'-66' (iii.32-33), with following ritual; (3) 169'-

<sup>60</sup> The *AMT* texts dealing with hair mentioned in the notes to 172' and 173' were translated, but not transliterated, by Campbell Thompson 1924.

<sup>61</sup> Restored on the strength of *AMT* 5,1:5 which reads *šumma awīlu ina šeḥērī*(tur)-*šú qaqqad*(sag.du)-*su še-bé-tū malī*(diri) *ana šartī*(sig) *šalimtu*(ge<sub>6</sub>) [xxx] 'if while a man is young his head becomes full of greyness, for [...] black(ening?) hair ...'.



70' (iii.36-37), with following ritual; (4) 173' (iii.40), with following ritual; (5) 175'-77' (iii.42-44), with following rubric and ritual; (6) 185'-87' (iii.52-54). The uneven distribution of rubrics across the six incantations suggests that the compiler of UGU 1 (or of an intermediate text) excerpted them from different tablets, importing the rubrics from the tablets when they were present, but not supplying them when they were not.

**190'-7' (iii.57-64)** These important and difficult lines are one of a small number of surgical prescriptions preserved in the medical corpus.<sup>62</sup> Campbell Thompson's translation was much improved on by Labat (1954:212-14), whose persuasive interpretation of the passage was that it directs the practitioner to scrape the skull bone in the case of an abscess which has attacked it. I suggest minor changes in points of detail, but they do not alter the overall sense as conceived by Labat. The passage has also been tackled by Stol 2004:75-6.

**190' (iii.57)** For the translation 'be watery' (literally: 'to have water') see Kinnier Wilson 1956:265, followed by Heeßel 2000:359. 'Wateriness' is a condition associated with skin diseases and with *šētu*-fever, cf. Heeßel 2000:353 14ff. *ubānu rabītu* 'big finger' was translated 'thumb' following *AHW* 1398<sup>b</sup>, *CAD* L 91<sup>b</sup> and *CAD* R 30<sup>a</sup> in preference to the older translation 'index finger' of *CAD* B 4<sup>b</sup>.

UZU GIŠ ŠÚ: Thompson read *šīru*(uzu) *giš-šú*, translating 'touched flesh'. This was effectively discredited by Labat (1954:213<sup>1</sup>), who proposed instead <sup>uzu</sup>*giš-šú* 'protuberance'. *giššu/giššu* is now however known to mean 'hip' rather than 'protuberance' (*CAD* G 73), and while this meaning was applied to the passage by *AHW* (94<sup>a</sup>, 288<sup>b</sup>), it does not yield good sense. The better reading is that of *CAD* B 4<sup>b</sup>: <sup>uzu</sup>GIŠ-šú 'his ear', which is corroborated by similar passages, and enjoys lexical support (*CT* 12, 29b ii 15, cited *AHW* 1447<sup>b</sup>). GIŠ presumably stands for *geštug*, perhaps as an abbreviation.

**191' (iii.58)** Campbell Thompson read the line thus:

*be-e'-š[at ina gul-g]ul-li-šú iṭ-ṭar-du dāmū(múd)-ma gul-gul-la-šú te-ser būšān(lagab) mē(a) ša gul-gul-li-šú*

...if the touched flesh 'smells evil, [and from] his skull blood is expelled, then thou shall bind his skull; the "foetor of the water of his skull..."

Labat instead read:

*be-e'-š[at šarku(lugud) ina gul-g]ul-li-šú iṭ-ṭar-du tepette(bad)-ma gul-gul-la-šú te-ser-rim mē(a) ša gul-gul-li-šú<sup>192</sup> [u-še-lam-ma]*

...if, the protuberance giving way (under the pressure of the finger), [pus] is expelled from the skull, make an incision, scrape, and [puncture] out the liquid<sup>63</sup>

Labat derived *be-e'-šat* from *bēšu* 'to remove oneself, depart', but now that the subject is known to be the ear, Campbell Thompson's derivation from *ba'āšu* 'to be malodorous' is more convincing.<sup>64</sup>

Labat argued for his reading *tepette-ma ... teserrim ... [ušelamma]* on the strength of *AMT* 44 ii 13 (now = *BAM* 580' iii' 25'), which contains the same three verbs in the same sequence. He proposed that, while the normal sense of *sarāmu* is 'to cut', here it should be a technical term for the treatment of bones with the sense of 'to scrape' ('rogner, racler').

Labat's reading of *bad-ma* as *tepette-ma* is more convincing than Campbell Thompson's *dāmū(múd)-ma* 'blood', as the word order envisaged by Campbell Thompson [*ina g]ulgullišu iṭṭardū dāmū* 'blood is expelled from his skull' would be unusual.

The reading *iṭ-ṭar-du* (*warādu* perfect) is, with *CAD* (G 127<sup>b</sup> and S 172<sup>a</sup>) preferable to Labat and Campbell Thompson's *iṭ-ṭar-du* (*ṭarādu* N preterite). For another example of *warādu* being used with *mū* 'water' in a medical context, compare the symptom *mē(a) lā(nu) ú-še-rid* (*š warādu*) literally '(if ...) he does not 'send down' 'water' (probably urine; cf. Heeßel's note on page 168')' (Heeßel 2000:153 51').

Labat's proposal *te-ser-rim* has had a mixed reception in the dictionaries. *CAD* G 127<sup>b</sup> accepted the reading but translated *gulgullašu teserrim* as 'you cut (into) his skull', retaining the usual meaning of

<sup>62</sup> On surgery in Mesopotamia see Labat 1954, Majno 1975:52f, Fincke 2000:294-98. The evidence for caesarean sections is now discredited; see Stol 2000:127f.

<sup>63</sup> 'Si, la protubérance cédant (alors sous le doigt), [du pus] est chassé hors du crâne, tu inciseras, tu racleras le crâne et tu en [ponctionneras] le liquide' (Labat 1954:212-3; his transliteration appears on page 213 note 2).

<sup>64</sup> The verb *bēšu* also has a specialised sense of 'to fork, to divide', amply attested of body parts (see *CAD* B 214<sup>b</sup>), but that does not seem appropriate here.

the verb.<sup>65</sup> More recently, Campbell Thompson's reading *te-ser* (from *sêru*) has also found favour, though his translation 'bind' has now given way to 'smear'. Curiously, *CAD S* cites the passage under both *sarāmu* 'to cut' and *sêru* (pp. 172<sup>a</sup> and 229<sup>a</sup>) without cross-reference, and *AHW* does the same (1028<sup>a</sup> and 1038<sup>b</sup>). *CAD Q* 102<sup>a</sup> opts for *sêru*, referring to *Nabnītu* VII (Finkel 1982:112) 262ff: *sag.du.tag.tag.ga, sag.du.ti.ti.ak.a, sag.du.šu.ak.a = min (=se-e-ru) ša qaq-qa-di* which establishes the meaning 'to rub'.

While Labat's adduction of *AMT* 44 (*BAM* 580) is pertinent and alluring, if one reads *te-ser* in line 191' an even closer parallel to the passage may be found in *BAM* 3 ii 7f (edited as Manuscript B of UGU 1: 206') (cf. Stol 2004:76). The symptoms in the two passages are very similar, 'If (*BAM* 3: the crown of) a man's head is watery'. Lines 190'-97' of *BAM* 480 first instruct the practitioner to rub the watery spot and ascertain whether the patient's ear smells bad, which *BAM* 3 omits, but then, reading *gulgullašu te-ser*, to rub his skull; rubbing the skull corresponds to *qaqqassu u nakkaptašu tulappataššu* (tag<sup>mes</sup>-šû) 'rub his head and temples thoroughly' in *BAM* 3. *BAM* 480 proceeds to give complicated directions for applying successive dressings, which *BAM* 3 again omits, and then prescribes the placing of a 'fire of stones' *ana limīt qaqqadišu* 'all around his head'. Both these expressions are unusual and their precise import is unclear, but it is obvious that they have their counterparts in *BAM* 3: 'fire of stones' corresponds to NE 'embers', and *ana limīt qaqqadišu* to *eli dādānīšu tikkišu* 'on his neck-tendons and neck'. Thus, with the reading *te-ser* the structure of both recipes is identical: symptom = water on head, treatment (1) = rubbing, followed by treatment (2) = heat on neck/around head.

The similarity is such that one might be tempted to regard the recipe in *BAM* 3 as directly derivative of that preserved on UGU 1 lines 190'-97', perhaps constituting a conscious attempt to simplify it in both language and procedure (the unusual *eli dādānīšu tikkišu* is less perplexing if it represents a paraphrase of the obscure *ana limīt qaqqadišu*). Be that as it may (for in the present state of the evidence the genealogical connections between the recipes must remain speculative), the neat parallel produced by the reading *te-ser* argues strongly in favour of that reading against *te-ser-rim*.

This is far, however, from signifying that Labat's overall interpretation of the passage is discredited. Having brought *sarāmu* into play, he then had to go out of his way to assign it the *hapax* meaning of 'scrape', which is close to that of 'to rub' demonstrated for *sêru* by *Nabnītu*, to fit in with his interpretation. Thus the reading *te-ser*, which produces the required meaning without special pleading, actually strengthens Labat's interpretation. *petû* 'to open' can, therefore, retain Labat's *ad hoc* meaning of 'to make an incision',<sup>66</sup> and indeed the complexity of the medications following the rubbing is such that it is hard to eschew a surgical reading of the passage.

This leaves one wondering how to deal (and how the authors of the dictionary entries reading *sêru* dealt) with the following difficult LAGAB A *ša gulgullišu*. Campbell Thompson interpreted LAGAB A as *būšān*(HAB) *mē*(a), giving "'foetor of the water" of his skull', but this is not fully convincing. The transliteration follows a suggestion by Irving Finkel that LAGAB (read *nigin*) could stand for *napharu* 'totality'. I tentatively record an alternative suggestion whose validation must await future textual finds. According to *Nabnītu* XIV (Finkel 1982:135) 78, LAGAB\*A (=SUG, i.e. *umun*<sub>11</sub>) can stand for *hammu* 'pond'. *hammu* is also the name of a disease known from the *Therapeutic Vademecum* (*BAM* 1 i 44: *ū ku-si-bu [ū] ha-am-me sūd ina i.giš šēš 'kusību : plant for the hammu-disease; grind and anoint the patient with it in oil'*), and *CAD H* 69<sup>b</sup> had already wondered whether this might be the same word as *hammu* 'swamp'. Given that the ailment in our passage involves the head 'having water', it would be quite fitting for the *hammu*- or swamp-disease to be involved. Accordingly, one might read *hamma*(*umun*<sub>x</sub>=LAGAB.A) *ša gulgullišu [tušelāmma]* 'you will [drain away]<sup>2</sup> the 'swamp' of his skull.

<sup>65</sup> Trepanation would certainly not be inconceivable a priori. It was successfully practised since at least 10,000 BC (references in Lisowski 1967 and Majno 1975:24-28; on the history of trepanation see recently the collection of essays edited by Arnott et al. 2003) and a trepanned skull has been recovered from early 2<sup>nd</sup> millennium Syria (see Wolska 1994).

<sup>66</sup> The exact nuance may be 'to expose' (the bone to be rubbed). For this meaning see particularly Lambert 1969:40 43, where *petû* is paired (i.e. contrasted) with *katāmu* 'to cover' (though *AHW* 464<sup>a</sup> questions this), and compare *ira(gaba)-su iptenette* (bad.bad-te) (Heeßel 2000:200 54), which with Heeßel's note *ad loc.* (p. 214) must mean 'he constantly bares his breast' (i.e. exposes it by removing his clothes).

**193' (iii.60)** Labat saw that the group of signs which Campbell Thompson had read *túg hab* a 'the bandage of the foetor of the water' could instead be read *lubāru(túg) qatnu(sig)* 'thin bandage', with *mē(a)* 'water' as an internal accusative of the verb. Labat's reading was followed in the transliteration, and translation. The word *naltiptu/naštiptu* is not otherwise attested in medical texts, and excepting a Neo-Babylonian letter cited *AHw* 1577<sup>b</sup>, outside lexical texts. *AHw* 725<sup>a</sup> reads *subā(túg) na-al-ti-ip-ti*. I have preferred to assume that <sup>túg</sup>*naltipti* is a construct form.

**197' (iii.64)** Previous discussants have supposed that the passage contains two alternative prescriptions, one (the longer and more complex) to be followed if the ear smells, the other (a fumigation) to be followed if it does not. The strongest case was made by Guido Majno, a fully qualified medical doctor, who read the line of thought as follows: 'If you can feel a collection of pus, then cut: if the abscess is not yet ripe, bring it out with heat' (1975:59). *Ceteris paribus*, this would be convincing enough. In practice, however, this interpretation makes it extremely difficult to restore anything sensible at the beginning of the line 197', where one would expect a verb such as 'he will recover'. It is possible instead that the two treatments are supposed to be sequential: first one palpates and checks whether the ear smells (perhaps as a result of palpation); if it does not, matters end there and the recipe offers no further advice; if it does, one is instructed to give the first treatment, the lengthy and complex set of procedures involving several medications; after this first treatment is finished, and the patient should have recovered, one palpates again, and checks again whether the ear smells: providing it does not, one gives the second treatment, consisting in a fumigation. This idea of sequential treatments allows the restoration *[u-la]p'-pat-ma* and is supported by the parallel with *BAM* 3, but I leave the question open to discussion. The interpretation of NE in *BAM* 3 (MS B) as 'embers' was proposed by Stol 2004:76.

**198'-201' (iii.65-68)** The incantation has previously been edited by Finkel (2000:81<sup>10</sup>), with references to previous literature, and a partial translation appears in *CAD* S 131<sup>b</sup>. I follow the overall interpretation of Thompson (1937:235<sup>106</sup>): the incantation, its rubric and ritual belong together with the preceding (surgical) treatment. The central problem in both the surgical treatment and the incantation is the non-retention of fluids. Accordingly, actions associated with stoppage of fluids are favourable to the patient and those associated with release unfavourable. Thus, being the original cause of running fluids, the *urbatu* worm in the incantation is the source of the affliction and the patient's enemy, while the 'red farmer' is an ally who seeks to contain the fluids' advance, and shouts 'red door, red bolt' (symbols of stoppage). The last line is difficult, see the note.

**199' (iii.66)** Köcher (*BAM* V xxv) suggested the emendation *ir-ḥu-ša'*, which has the advantage of producing a regular theme vowel (if the verb is *reḥû* 'to inseminate', one would expect *irḥi* or *irḥe* as opposed to *irḥu*). However, *reḥû* and *tebû* are verbs which sit together well: cf. the Old Babylonian *Gilgameš* passage (OB II, now edited in George 2003:174) *ūmī 7 u 7 muši'ātim* <sup>49</sup>*en[kidu] ḫebī-ma* <sup>50</sup>*ša[mkata]m irḥi* 'for seven days and seven nights Enkidu was erect and coupled with Šamkatum' (cf. Standard Babylonian version I 194). Further, the emended reading *ir-ḥu-ša'* would leave *zi.ga sa; zi-ma*, yielding poor sense (*tību sāmu tīb?*). Accordingly, Köcher's emendation is declined, and the image of the rain moistening the earth may be said to be cast in sexual language. The vowel *u* may reflect an intermediate pronunciation of *i* as /ü/ or the first-millennium ventive ending recently identified by George (2003:441).

**201' (iii.68)** The reading *ma-ra* (*marra*) 'spade' is new, and tentative. This line introduces an anonymous third party who wants to undo the red farmer's damming-work (and therefore do the patient harm). The logic of the incantation may be that if the third party is characterised as needing a spade, then the patient is safe, for the natural possessors of spades are farmers, and the farmer in the piece is the patient's ally. The precise import of the beginning of the line eludes me, however. Further discussion of this tricky text is invited.

**203' (iv.2)** *ana libbi ḫi-pe-e-ti tašakkan* is difficult. *CAD* H 196<sup>a</sup> reads *ḫi-pe-e-ti* (f. plur. of *ḫipītu* 'breach, hole', normally used of walls etc.) and assumes a *hapax* meaning 'sherd', translating 'you place it in the sherds(?)'. Given however that *ḫepû* 'to break' is now attested in connection with facial features (GUL : *ḫe-pu-u* : *ša zi-me-šú ḫe-p[u-u]* 'GUL : a 'broken one', i.e. one whose features are "broken"', Civil 1979, *MSL* XIV, 288:3, cited *AHw* 1561<sup>a</sup>), the meaning in line 203' could be 'breakage', i.e. 'damaged spot, wound': *ana libbi ḫipēti* (gen. sing. of *ḫipītu*) *tašakkan* 'place it on the damaged spot'.

**205' (iv.4)** This is the first occurrence on the (preserved portions of the) tablet of the verb *ni'āšu/nēšu*, which like *balātu* has the nuance of recovery. Another text uses both verbs within a single sentence (*BAM* 393: 14-18):

14. *šumma* (360+40) *a-wi-lum ge-er-gi-ša-am ma-li ku-ku-uš-ša-am ša bu-uq-li-im*

15. *i-na hi-il-ši-im ma-la ana ma-la*

16. *tu-uš-te-te-ma ta-ša-ka-an-ma i-ni-aš*

17. *šumma* (360+40) *la ib-lu-uš ši-im-tam e-mé-tam ta-ša-k[a-an-m]a i-ni-a-aš*

18. *šumma* (360+40) *la ib-lu-uš tu-ši em-mu-tim ta-ša-ka-an-ma [i-ni-a-aš]*

'If a man is covered with the red skin complaint *gergiššu*, slowly mix malt flour into filtered oil, and apply it. He will recover (*ni'āšu*). If he does not recover (*balātu*), apply warm paint, and he will recover (*ni'āšu*). If he does not recover (*balātu*), apply warm *tuhhu* (beer dregs), and he will recover (*ni'āšu*).

In this text *ni'āšu* seems to express the more desirable outcome, but whether this desirability is due to greater speed or completeness of recovery, or other factors, is hard to tell. In any case, any attempt to derive a general principle from this text is complicated by the fact that its authenticity (it is ostensibly Old Babylonian) is suspect on orthographic grounds (see Finkel forthcoming).

**206' (iv.5)** The recipe in *BAM* 3 is startlingly similar to the difficult passage *BAM* 480 190'-97', and helps to elucidate it. Cf. note to 191'. *BAM* 480 206' is more compact than *BAM* 3, omitting the instruction to rub the head and temples.

**214' (iv.13)** *gi du<sub>10</sub>* normally stands for *qanû tābu* "sweet reed", a phrase found also in biblical Hebrew, though one lexical text (Landsberger 1959, *MSL* VII, 24, 258f, cited *AHW* 839a) equates *gi.du<sub>10</sub>.ga* with Akkadian *passu* (a type of reed) (see von Schuler 1988:248).

Annie Attia and Gilles Buisson alert me to the fact that the restoration *ā[r-ga]-nu* is almost certain because *sīhu*, *argānu* and *barirātu* are ingredients which frequently appear together; cf. Kinnier Wilson 2005:47.

**217' (iv.16)** According to Reiner (1995:34) the *zika u sinniś* 'male and female' distinction refers to different strengths or concentrations, but it can also be interpreted more simply as a designation of botanical gender (see Kinnier Wilson forthcoming in this journal).

**221' (iv.20)** The reading of NE is uncertain. It is often interpreted as *izi // išātu* 'fire', but Stol (1998:350) has suggested that in the phrase *ina NE tuqattaršu* 'fumigate him over NE' it could be NE // *pēmtu* 'hot coals, embers'. The same thought can be entertained for the phrase *ina NE turrar* 'parch over NE' in line 174', though there *izi* is perhaps more likely in the light of the similarity with 167' (see note ad loc.).

**222' (iv.21)** The sign [p]i has been ineffectually erased. Probably the scribe began by writing *pinzer* but changed his mind to *munzer*. The reading of *munzer* as *supālu* is encouraged by a passage in *HAR-ra* = *hubullu* XVII (*MSL* X), where the proximity of *supālu* with *ašušimtu* and *murdudū* recalls our text:

44 *munzer*(Ú.KI.<sup>d</sup>NANNA)<sup>67</sup>

*su-pa-lu*

45 *munzer*(Ú.KI.<sup>d</sup>NANNA)

*a-šu-ši-im-tú*

46 ú.mur.dù.dù

*mu-ur-du-du-u*

47 ú.aš.tál.tál

*áš-ta-til-lu*

I owe this observation to J. V. Kinnier Wilson.

**224' (iv.23)** In a recent study of the *kurāru* disease, Barbara Böck (2003:183) has suggested that the pharmaceuticals prescribed for an illness can give clues about its nature: 'die Verwendung der Drogen gibt uns nicht nur Einblick in die Vorstellung von Krankheit und ihrer Behandlung, sondern liefert uns einen wertvollen Hinweis auf ein Symptom, das in den Texten nicht genannt wird'. For instance, she deduces that *kurāru* involves fever because the plant *nīmū*, which elsewhere is said to be a plant for fever, is prescribed for it. This is a new and important idea, and in the long run it is bound to lead to good things. Applied to the duplicate *BAM* 3 ii 43, for instance, it might suggest that fever is a symptom of the 'heavy head' condition. Until it has received extensive evaluation (which cannot happen before the publication of *Uruanna* and related texts) and corroboration, however, the principle should perhaps be treated with caution, for it relies on the assumption of a

<sup>67</sup> For the reading of Ú.KI.<sup>d</sup>NANNA as *munzer* see Civil 1996:123f.

homogeneity in ancient nomenclature, practice, schooling and theory which is better demonstrated than presumed.

**225' (iv.24)** The translation of Manuscript B as 'with the skin of a wild ass' tentatively follows *AHw* 1389<sup>a</sup>'s suggestion that kuš.edin is an abbreviated writing of kuš.anše.edin (cf. *ḪAR-ra* = *ḫubullu* XI (Landsberger 1959, *MSL* 7:125) 46 kuš.anše.edin.na = min (*ma-šak*) *sér-re-mu*), and stands for *mašak serrēmi*.

**229' (iv.28)** The Jastrow *ana* is unexpected: one expects *ina* (*ummu ina qaqqadišu itelli* 'the fever will depart from his head) or nothing (*ummi qaqqadišu itelli* 'the fever of his head will depart), and may represent an inexpert interpolation by the scribe (cf. the notes to 68', 141', 162', and 237'). On the merging of the prepositions *ana* and *ina* in Neo-Assyrian see Luukko 2004:173-74.

**237' (iv.36)** The Jastrow variant *šaman*(i.giš) *šūši* for *išid*(suhuš) *šūši* is surprising ('oil of liquorice' is not otherwise attested, while 'root of liquorice' is standard), and probably represents a misreading by the scribe (perhaps due to damage on the *Vorlage*), suggesting he was not an expert in medical matters (cf. the notes to 68', 141', 162', and 229').

**239'-42' (iv.38-41)** Jastrow Rev. 3' could also read [*ina*] *ūm* ... 'on the day that ...'.

**250'' (iv.49)** For the alternatives, cf. *šumma kuššu ina šuršum šikari šumma ummālu ina mē kasī tubaḥḥar* 'heat in beer-dregs if (it is) cold (i.e. winter), in *kasū*-water if (it is) hot (i.e. summer)' (Heeßel and Al-Rawi 2003:225 28-29 // Labat 1959:10 Obv. 12 f., and see Labat's note 1 with further references to season-dependent prescriptions). It is possible that similar considerations would have determined the choice of carrier in UGU 1, but were left unexpressed. Cf. also UGU 2 iii 46' (edited by Attia and Buisson 2003), where the same possibility applies.

### Index of words in the text.

Square brackets mean the word is partly damaged; an underlining means the word is lost on *BAM*480 but fully preserved on at least one duplicate tablet; an underlining within square brackets means the word is lost on UGU, and only partially preserved on all the duplicates.

Note: providing at least some of a word is damaged on *BAM*480, an attestation in square brackets appears in the index even if the word is fully preserved in a duplicate passage.

<i>abālu</i> D	ḥád.du, ḥád.a (.meš)	to make dry	du: 54, 130, 151; a: 31, 132, 145, 154 (méš), 231, 242 (in the sun)
<i>abālu</i>	ḥád.du	to become dry	67
<i>abbuttu</i>		forelock <sup>2</sup>	207, 208
<i>ablu</i>	ḥád.du	dried	66 ( <i>adi ablu</i> ); see also <i>kalbānu</i> , <i>kupsu</i> , <i>saḥlū</i>
<i>abnu</i>	na <sub>4</sub>	stone	197 (see note), 211 (these eight)
<i>adāru</i> (or <i>ildakku</i> )	giš.ildag(=A.AM)	<a tree>	235 (foliage)
<i>ajjālu</i>	dāra.bar	deer	see <i>qarnu</i>
<i>akal kunāši</i>	ninda imgaga(=AŠ.AN.NA)	emmer bread	11 (gather up in, warm)
<i>akalu</i>	ninda	bread	11 (gather up in)
<i>akālu</i>	gu <sub>7</sub>	(a) eat (b) hurt	(a) 11 (b) 150 (skin <sup>3</sup> ), 234 (hands and feet)
<i>aktam, atkam</i>		<a plant>	[156]
<i>alīktu</i>	du-ní / ní.gub.ba	loose, fallen (of hair)	156, 164, 172 / 160, 161
<i>alpu</i>	gu <sub>4</sub>	ox	see <i>lípū</i>
<i>amašpū</i>	na <sub>4</sub> .amaš.pa.è	<a stone>	[211]
<i>amē/wīlu</i>	na	a man	1, [74 <sup>3</sup> ], [76 <sup>3</sup> ], [83], [85 <sup>3</sup> ], 125, [127 <sup>3</sup> ], 128, [141], [150], 155, 181 (*2), 190, 206, 207, 209, 210, 213, [222 <sup>3</sup> ], [224], 227, 231, 233, [239], [251 <sup>3</sup> ], 252
<i>ana bulluṭišu</i>	<i>ana</i> ti(n)-šú	to cure him	176 (see note), 224, 228, [234] (ti)
<i>ana libbi</i>	<i>ana</i> šā	thereto, thereupon	10, 172, 203, 229
<i>anāḫu</i> Gtn		to be very tired	[239]
<i>annanna</i>	nenni	so-and-so	186 (*2)
<i>anzahhu</i>	an.zah	<a kind of glass>	13, [63 <sup>3</sup> ]
<i>arg/kabu</i>	argab <sup>musen</sup>	bat	see <i>rikib argabi</i> bat dung
<i>argānu</i>		<a plant>	[214] (see note)
<i>arka</i>	egir	after	10, 70 (after this)
<i>arku</i>	gid.da	long	see <i>ešemtu</i>
<i>arqānu</i> / <i>arqu</i>		vegetables	(see note to 10-12)
<i>arqūssu</i> ( <i>arqūt+šū</i> )	sig <sub>7</sub> .(a/-su)	while it is fresh	66 (-su), 132 (.a)
<i>asu</i>	šim.gir	myrtle	(see note to 143')
<i>ašābu</i> Š	tuš	to make (s/o) live	73
<i>ašāgu</i>	giš.kiši <sub>16</sub> (=Ú.GIR)	camelthorn <sup>7</sup>	embers ( <i>pēmū</i> ) of: 75, 95
<i>ašgiḡū</i>	na <sub>4</sub> .aš.gi.gi	arsenic <sup>7</sup>	163

<i>ašqulālu</i>	ú.LAL	<a marine plant>	154
<i>atā'īšu</i>	ú.KUR.KUR	<a plant>	[105 <sup>2</sup> ], 220, 224, 235, 241
<i>atānu</i>	ème (MUNUS.ANŠE)	female donkey	[203] (tuft of hair from leg of)
<i>aw/mīlānu</i>	giš.lú-a-nu	<a plant>	188
<i>aw/mīlūtu</i>	lú.u <sub>18</sub> .lu, nam.lú.u <sub>18</sub> .lu	human	94, 218 (nam); <construed as dependent genitive>
<i>bābu</i>	ká	gate	[201]
<i>balālu D</i>	he.he	to mix	7, 75, 121, 123, 136, 137, 145, 195, 196, 225; in cedar 'blood': 221; in <i>billatu</i> : [86]; in water: 156 (hot); in oil: 158 (i.giš), 167, 184; in cypress oil and cedar 'blood': 174, 219
<i>balātu</i>	ti.la / tin	recover (see note to 205')	176 (see note), 196 (until) / 7, [41], 84, 142, 206
<i>balātu D</i>	ti.la		see <i>ana bulluṭišu</i>
<i>ballukku</i>	šim.BAL	<aromatic plant/substance>	[123], 143 <sup>2</sup> , 213
<i>baluḥḥu</i>	šim.buluḥ	<aromatic plant>	59, [84], 216, 224 see also <i>hīl baluḥḥi</i>
<i>barāru</i>		to flicker	eyes: 76, 83, [85 <sup>2</sup> ]
<i>barīratu</i>		<i>Sagapenum</i> <sup>2</sup>	87, 214
<i>bašālu Š</i>	šeg <sub>6</sub>	to cook, to heat	71, 92, 93
<i>bašlu</i>	šeg <sub>6</sub> .(gá)	boiled, cooked	49, 55, 72, [83]
<i>be'ēšu</i>		to smell bad	[191], 197
<i>bi'ātu Š</i>		put out for the night	71 (under stars)
<i>bikītu</i>	ér(=A.IGI)	tears	3, 70 (until stopped)
<i>billatu</i>	(kaš).dida(=BI.Ú.SA), kaš.dída(=BI.ÚŠ.SA)	<a beer product>	[61], 86 (mix in), 88 (boiled), [241] sweet: 145, [236] (dida)
<i>bīnu</i>	giš.šinig	tamarisk	68 ( <i>kamūnu</i> of), 69 (foliage), [218]; seed: 157, 218
<i>birku</i>		lap, penis	239
<i>birratu</i>		<an eye disease>	2
<i>bītu</i>	é	house	[22 <sup>2</sup> ], 73 (with shade)
<i>buhḥuru</i>		to heat	91
<i>buqlu</i>	munu <sub>5</sub> (=ŠE.BULUG)	malt	powder (on reading of KU see note to 88'): [88], 145
<i>burāšu</i>	šim.li	<a> juniper	59, 83, 87, 129, 143 (powder), 148, 149, 152, 153, [196], [213], 224, 228, 235
<i>bu'su / būšānu</i>	ḤAB	stench	of water of skull (in line 191'' see note to 190'-197')
<i>būšānu</i>	ú.ḥab	<a plant>	32, 57, (see note to 69'), 79
<i>buṭu(m)tu</i>		terebinth <sup>2</sup>	3, 129
<i>dadānu</i>		neck tendon	[206]
<i>dakāku D</i>		to crush	[221] (together)
<i>dāku</i>		to affect, to trouble	1
<i>daltu</i>	giš.ig	door	200 (red)
<i>dām erēni</i>	múd giš.eren	<cedar 'blood'>	174, 215, 219, 221
<i>damqu</i>	sig <sub>5</sub>	sweet	see <i>billatu</i>
<i>dāmu/ū</i>	múd	blood	in eyes: 76 ( <i>kullū</i> ), 85 ( <i>malū</i> )
<i>dannu</i>	kala.ga / al.kala.ga	strong	159 / 159
<i>dekū</i>		to remove	126 (silt from open air)
<i>dīna dānu</i>		to make a judgement	186
<i>dišpu</i>	lāl	honey, date syrup	182; pound in: 50, 53, [60]
<i>dišip šadī</i>	lāl kur	mountain honey	[47]
<i>duḥšū</i>	na <sub>4</sub> .duḥ.si.a	quartz	162
<i>dumqu</i>		'goodness' (of plants)	50, [51 <sup>2</sup> ]
<i>egengirū</i>	ú.níg.gán.gán	<i>Eruca sativa</i> <sup>2</sup>	158 (seed <sup>2</sup> )
<i>ekdu</i>	idim (I.DI <sup>2</sup> )	fearsome	170 (see note)
<i>elikulla</i>		<a plant>	188
<i>ellu</i>	i.giš		see <i>šamnu</i>
<i>emēmu Gtn</i>	kúm.kúm	to be hot constantly	74, 125
<i>emēmu</i>	kúm	to be hot	head: 155, [213] ( <i>em-ma</i> )
<i>emmu</i>	kúm	hot	11 (bread), 156 (water), 206 (cedar <sup>2</sup> ), 225 ( <i>mē kasī</i> )
<i>epēšu</i>	dù	to make / to be active	183 (sacrifice) / 227 (inflammation)
<i>epēšu Gtn</i>	dù.dù	to make, to do regularly	73
<i>epuštušu</i>	dù.dù.bi	its ritual	162, 203
<i>eqū</i>	mar	to daub on, apply	[7], [40], 43, 44, 47, 50, 53, 56, 60, 63, 67, 70(*2)
<i>eqū Gtn</i>	mar.mēš	do. repeatedly, thoroughly	7
<i>erēnu</i>	giš.eren	cedar	[87] (powder), [143], [206] (hot); see also: <i>dāmu</i>
<i>erēru D</i>		to parch	167 (over embers of poplar), 174
<i>erēšu</i>		to want	201(*2)
<i>eršetu</i>	ki	earth	199 (red)
<i>erū</i>	na <sub>4</sub> .ur <sub>5</sub>	grindstone	3
<i>ešēpu, ešēpu</i>	tab (see note to 11)	collect, gather	11 (drugs with bread), 71 (liquid into vessel)
<i>ešemtu</i>	gir.pad.da/DU	bone	[43] (long), 74, 94 (human), 94 (donkey <sup>2</sup> )
<i>ešēru</i>	si.sá	to be, to get, in good order	174 (see note)
<i>eššu</i>	gibil	fresh	65, 195 (see <i>kasū</i> )
<i>ešū/ašū</i>		to confuse, blur	2 (see note)
<i>gaššu</i>	im.babbar	gypsum	55 (boiled), 74
<i>gišimmaru</i>	giš.gišimmar	date palm	171 (dates from)

<i>guḥlu</i>	šim.bi.zi.da	kohl	[16 <sup>7</sup> ]
<i>gulgullu</i>		skull	[191], 191(*2), (see note); human, as ingredient: 218
<i>gullubu</i>	SAR	to shave	<i>tugallab</i> : 125, 196 (affected spot), [225] <i>tugallab</i> [...]: 110, 111, 112, 114, 115, 116, 117, 118 <i>tugallab tašammid</i> : 4, 5, 9, 41, 42, [45], [46], 48, 49, 51, 52, [54], 55, [57], 58, 59, 61, 62, 65, [86 <sup>7</sup> ], 122, 146, 148, see also 196, 225 <i>qaqqassu tugallab</i> : 142, 225, [237] <i>qaqqassu / rēssu tugallab tašammid</i> : 4, 5, 77, 78, 223/ 30, 32, 54, 55, [57], [58]
<i>ḥadāqu</i>		to press together	204
<i>ḥā'it kibratī</i>	ḥ. ub.meš	he who scans the four sides (of the world)	185
<i>ḥalāšu</i>		comb out, filter	[168], 168
<i>ḥallūru</i>	gú.gal	chick <sup>7</sup> peas	flour: [64 <sup>7</sup> ], [88], [144], 151
<i>ḥallutanū</i>		tuft of hair	203 (from leg of female donkey)
<i>ḥaltappānu</i>		<a plant>	58, [131]
<i>ḥamātu</i>	tab	to burn with (a fever)	see <i>ṣēta ḥamātu</i>
<i>ḥammu</i>	LAGAB.A <sup>7</sup>	'pond'-disease <sup>7</sup>	(see note to 191')
<i>ḥarūbu ša iltāni</i>	ḥ ša IM.si.sá	carob tree of the North	167, [174]
<i>ḥa'esū D</i>		squeeze out	66
<i>ḥašbu</i>	šika	shard	[56]
<i>ḥašab pelfi lurmi</i>	šika nunuz ga.nu <sub>11</sub> .mušen	shard of ostrich egg	[158]
<i>ḥašab tinūri</i>	šika im.šu.rin.na	oven shard	8, [128] (old)
<i>ḥašālu</i>	gaz	to crush	12, 32 (2*), 196 <i>taḥaššal tanappri</i> : 15, [18], 42, 51, 52, 54, 55, [57], 65, 76, 86, 109, [112], [120], 126, 132, 145, [151], [158], 231, 236, 242
<i>ḥašū</i>	ú.HAR.HAR	thyme <sup>7</sup>	153
<i>ḥaṭti rē'i</i>	ú.níg.gidru.(sipa)	<a plant>	(see note to line 94'), 158, 158 (sipa), 242
<i>ḥil baluḥḥi</i>	illu šim.buluḥ	<i>baluḥḥu</i> resin	149, 225
<i>ḥimētu</i>	i.nun.(na)	butter, ghee	7 (pound in), 92, 93, [182]
<i>ḥimšu</i>	uzu.me.ḥé	fatty tissue	[183]
<i>ḥip libbi</i>	gaz ša	'heartbreak'	239
<i>ḥipītu</i>		sherd <sup>7</sup> "break" <sup>7</sup>	203 (see note)
<i>ḥiqāte</i>		diluted beer	[8]
<i>ḥulālu</i>	na <sub>4</sub> .nir(=ZA.GfN)	chalchedony <sup>7</sup>	162, 211
<i>ḥulqu</i>		'lost bits'	10 (see note)
<i>ḥumtu</i>	kúm <sup>7</sup>	heat, something hot	206
<i>ḥurāšu</i>	KUG.GI	gold	47 (patina of)
<i>igirū</i>	ígira(=KI.SAG.MUNUS).mušen	heron	171 (head of),
<i>igulū</i>	i.gu.la	fine anointing oil	56 ('which has ...')
<i>ikkaru</i>	lú.engar	farmer	199 (red)
<i>ikku</i>		temper	240
<i>ildakku</i>			see <i>adāru</i>
<i>ilu</i>	dingir	(personal) god	181
<i>imbu' tāmti</i>	KA a.ab.ba	algae	148, [217]
<i>imēru</i>	anše	donkey	see <i>ešemtu</i>
<i>imḥur ešrā</i>	ú.igi.niš	'catch twenty' plant	184
<i>imittu</i>	15	right (opposite of left)	157 <sup>7</sup> , [226]
<i>imittu</i>	uzu.zag	shoulder	183
<i>immeru</i>	udu.nita(.meš)	(male) sheep	see <i>lipi kalīt immeri</i>
<i>imnū</i>	(á).zi.da	'of the right'	see <i>šubū</i>
<i>in nūni</i>	na <sub>4</sub> .igi.ku <sub>6</sub>	'fish eye' stone	162, 163
<i>ina libbī</i>	ina ša	therefrom	4, 146
<i>ina maški terū</i>	ina kuš SUR	rub in with leather	149, 215, 225 (of <i>onagre</i> <sup>7</sup> )
<i>inān</i>	igi.II	(two) eyes	1, 2, 7, 12 (bandage of), 70, 76, 83, 233; see also <i>nīs īni</i>
<i>inbu</i>	gurun		see <i>kalbānu</i>
<i>inninnu</i>	in.nu.ḤA	<a> cereal	151
<i>inūma</i>	ud-ma	when	10, [67], 70, 168
<i>ipītu</i>		clouding over (an eye disease)	2
<i>irru</i>	ú.úkuš.LAGAB	colocynth <sup>7</sup>	251 (catchline of tablet 2) (seed)
<i>irtu</i>	gaba	breast	21 (bind for one day), 120
<i>isqūqu</i>	zi.kum	<a coarse flour>	25, 78, [121], [122], 128, [136 <sup>7</sup> ], 137, 152, 153, 196
<i>iššur ḥurri</i>	buru <sub>5</sub> (=ḤU.ERIM).ḥabrud.da	rock-partridge <sup>7</sup>	171 (head of male)
<i>išātu</i>	izi	fire	cook over: 92, 93; parch over: 167 (of rushes) (see note), 174 <sup>7</sup> (see note); fumigate over 221 <sup>7</sup> (see note)
<i>išid šūši</i>		root of liquorice	237!
<i>ištu</i>		blurring (an eye disease)	2
<i>iš/tānu</i>	IM.si.sá	the North	carob tree ( <i>ḥarūbu</i> ) of: 167, [174]
<i>ištar</i>	d.ištar	(personal) goddess	181

<i>ištēniš</i>	1- <i>niš</i> , ur.bi	together	crush and sieve: 86, 109, 145, 236; mix: [75?], 145 knead: 151; <i>dakāku</i> D: [221] pound: 147, 148, 149, 156, 158, [218], 223, 225
<i>išū</i>	tuku	to have	56 (oil: fungal mould), 73 (house: shelter)
<i>ittu</i>		sign	201
<i>izuzzu</i>	gub	to stand upright	158, 170 (mu.ra.an.gub)
<i>izuzzu Š</i>	gub	to make stand upright	156
<i>izuzzu Gtn</i>	gub.gub	to stand upright constantly	90
<i>kabātu</i>	dugud	to be heavy	224, 227, 239
<i>kakkabu</i>	mul, mul <sub>4</sub> (=ul)	star	71, 182, 184, 185 (invocation)
<i>kakkū</i>	gū.tur	lentil ?	flour: [64?], 144, 151
<i>kalbānu</i>	giš.maš.huš	<a plant>	58, [119], 131; fruit: 14, 58 (dried), 131
<i>kalītu</i>	éllag	kidney	[240]; see also <i>lipi kalīt ...</i>
<i>kalū N</i>		to be held back (hair)	164, 172, 202
<i>kamāsu</i>		to kneel	186
<i>ka(m)mantu</i>	ú.ÁB.GAB	<a plant>	seed: 148, 235
<i>kamkadu</i>		<a plant>	157 (seed)
<i>kamūn bīni</i>		<k. of tamarisk>	68 (see note)
<i>kanaktu</i>	šim.gig	<an incense bearing tree>	68 (fat of)
<i>kannu</i>	GIŠ.GAN	<a pot>	183, 188 (see note to 183')
<i>kannu šaḥarru</i>	dug.kan.sáhar	pourous pot	71
<i>karānu</i>	ú.geštin	grapes	132 (fresh)
<i>karānu</i>	geštin	wine	250 (drink in)
<i>kāru</i>		to rub (onto)	187
<i>karū</i>		to be short (temper)	240 (e vowel)ing)
<i>kasū</i>	gazi.sar	<a plant> (see note to l. 4)	144 (powder), [235]; fresh: [65], 195; see also: <i>mē kasī</i>
<i>kašāru</i>	kešda <sup>(da)</sup>	to tie a knot	164, 164 <sup>(da)</sup> , 204(*2)
<i>kašū Gtn</i>		to become cold all over	[213'] (the head)
<i>kašū D</i>	še <sub>7</sub>	to make cool	142 (the head)
<i>kašū</i>		cold	154 (water)
<i>kašādu</i>	sá.sá	to be exposed to	126 (silt to open air)
<i>katāmu</i>		cover	198
<i>ka'u</i>	giš.gan ?	truffle?	(see note to 183')
<i>kibrātu</i>	ub.meš	sides, corners (of the earth)	185
<i>kibrītu</i>	piš <sub>10</sub> (=KLA). <sup>d</sup> itu <sub>5</sub>	sulphur	[74], [94], 217 (white and black), 220
<i>kibšu</i>		dung	(see note to 56')
<i>kibšu</i>		fungal mould	56 (had by fine oil)
<i>kikkīttūšu</i>	kid.kid.bi	ritual procedure	167, [171], [174?], 182
<i>kipšu</i>		husks	(see note to 56')
<i>kišādu</i>	gú	neck	188 (place hot cedar on)
<i>kiškanū</i>	giš.kín	<a tree>	192 (KU.KU, powder), see also note to 183'
<i>kitū</i>		flax	68 (see note), 249([seed off])
<i>kuk(u)ru</i>	giš/šim.gúr.gúr	<an aromatic tree> (see note to line 6)	6, 59, 83, 90 (giš), 129, [135], 143 (powder), 147, 148, [149], 152, 153, 213, 224, 234
<i>kullu</i>		to have, to hold	see <i>dāma kullu</i> , <i>mū (mē kullu)</i> , <i>rēška ukāl</i> , <i>šēḫa kullu</i> , <i>umma kullu</i>
<i>kunāšu</i>	ÁŠ.AN.NA(=imgaga)	emmer	125 (flour), see also <i>akal kunāši</i>
<i>kupsu</i>	duḫ.še.giš.i	(sesame) bran	[84], [88]; dried: 19 (powder), 20 (powder), [152']
<i>kurkanū</i>		<a plant>	188, 216, 220
<i>kurunnu</i>	kurun.na	<a beer>	see <i>šuršummī kurunni</i>
<i>lā peṭītu</i>	giš.nu.zu	virgin	188
<i>lamū</i>	nigin	to wrap	203
<i>lapātu Š</i>	tag.tag ḫul.ḫul	to bring into contact with to destroy	11 170
<i>lapātu D</i>	tag.meš, tag.tag	to palpate, rub / to smear	190, 197, 206 / 219
<i>laptu</i>	lu.úb.sar	turnip	[24'] (seed)
<i>laptu/labtu</i>	še.sa.a		see <i>qalītu</i>
<i>larū</i>	pa	leaf, foliage	see: <i>adāru</i> , <i>bīnu</i> , <i>mirišmaru</i> , <i>musukkannu</i> , <i>tittu</i>
<i>lāšu</i>	sil <sub>11</sub>	to knead	<i>ina mē kasī</i> 'in <i>kasū</i> -water': 4, 5, 9, [15], 42, [43?], 48, 51, 52, [54], [77], 89, [107], 112, 113, 115, 116, 117, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129(*2), 130, 131(*2), 132(*2), 133, 134, 135, 136, 137, 138(*2), 139, 140, 146, 196, 223, 225 (hot), [226?], 236, [241?], 242; <i>ina mē kašūti</i> 'in cold water': 154'; <i>ina šikari</i> 'in beer': 6, [108], [109], 114, 123, 145, 147, 148, 153; <i>ina šuršummī šikari</i> 'in dregs of beer': 49 (dregs boiled), 57 (kaš.sag), 58, 65, 118, 151, 152; <i>ina šuršummī kurunni</i> 'in dregs of <i>kurunnu</i> -beer': 58 <i>in šaman sirdi</i> 'in olive oil': 55, 124 <i>ina šizbi</i> 'in milk': 59, [79], 79, 80, 81, 84 <i>ina ṭābāti</i> 'in vinegar': 78 [( <i>ina ...</i> ): 45, 61, [62], 82, [110], 111



<i>leqû</i>	ti, šu.ti	to take	therefrom: 4, 146 69 (as much as your glance), [88], 89, 167, 174
<i>lētān</i>	te.meš	(two) cheeks	187 see also: <i>šārat lēti</i>
<i>libbu</i>	ša		see <i>ina libbi</i> , <i>ana libbi</i> and <i>hīp libbi</i>
<i>limītu</i>		circumference	197 (of head, see note)
<i>lipû</i>	i.udu	fat	7, 43 (from a long bone), 68 ( <i>kanaktu</i> )
<i>lipi alpi</i>	i.udu gu <sub>4</sub>	ox fat	225
<i>lipi kalīt alpi</i>	i.udu éllag gu <sub>4</sub>	f. from the kidney of an ox	[225]
<i>lipi kalīt immeri</i>	i.udu éllag udu.nita	ditto of a male sheep	149, 215
<i>lišān kalbi</i>	ú.eme.ur.gi <sub>7</sub>	'dog's tongue plant'	[66] (water of seed while fresh), [69]
<i>lubāru</i>	túg	cloth, rag	[192 <sup>7</sup> ], 193, 194 (see note to 190'-7' and cf. <i>naltiptu</i> ), 204
<i>lulû</i>	KUG.GAN	slag <sup>9</sup>	63
<i>lumnu</i>	hul	evil	170, 187
<i>lurmu</i>	ga.nu <sub>11</sub> .mušen	ostrich	[158] (egg shard of)
<i>lušû</i>	i.sumun	grease	229
<i>maḥāšu</i>	siḡ	to beat, to pound	12
<i>mahrû</i>		foremost	182 (star, see note)
<i>maḥsû</i>		<a metal cup>	(see note to 182')
<i>malmališ</i>		in equal parts	7
<i>malû</i>	diri	to be full	85, 199
<i>mannum</i>		who <sup>9</sup>	201
<i>manû</i>	šid	to recite (a spell)	100, 168, 204, 205
<i>marāšu</i>	giḡ	to be diseased	222 (head)
<i>margûšu</i>		<a resinous bush>	228
<i>māru</i>	a	son	186
<i>marru</i>	giš.mar	spade	[200] (red), 201 (*2)
<i>mašku</i>	kuš	skin	150; for meaning 'a skin', 'leather' see <i>ina maški</i> ...
<i>maštakal</i>	ú.in.nu.UŠ	<an alkaline plant>	68 (seed)
<i>maṭû</i>	(lal) ma.al.lal	grow weaker	170 (in Sumerian incantation)
<i>mersu</i>	ninda.i.dé.a	<a cake>	182
<i>mesû</i>	luḥ	to wash	46, [59], 157, [192], 193, 194 with <i>uḫûlu qarnānû</i> : 70; with <i>mê kasf</i> : 119
<i>mīlu</i>	a.zi.ga	flood	199 (red)
<i>mīl'u</i>	na <sub>4</sub> .AN.NE	saltpetre	217
<i>mīnātu</i>		limbs	234 (in state of being 'poured out')
<i>mindu</i>		<a plant>	(see note to line 87')
<i>mirišmar/lû</i> <sup>9</sup>	ú/giš.má.eriš.má.ra and similar writings	rosemary <sup>9</sup>	[86] (giš), 132 (û), [183] (giš) foliage: 54
<i>mû</i>	a.(meš)	water	154 (knead in cold), 156 (mix in hot); of <i>zēr lišān kalbi</i> 66; <i>mê šunû</i> : 71, 72 (boiled) <i>mê kasf</i> : knead in, see under <i>lāšû</i> ; wash in: 119 <i>mê kullu</i> 'to have water, be watery' [190] (see note), 190, 206 (meš), 207 191[(*2)] ('water' of the skull), 200 (red), 206 (-šû)
<i>muhḫu</i>	ugu	crown of the head	1 (being feverish), [74] (being hot), 83 (having <i>šētu</i> fever), [85] (having <i>šētu</i> fever), 100 <sup>9</sup> , 141 (hair of), 190 (being watery), 252 (hair of)
<i>munammir</i> [...]		one who makes ... bright	185
<i>murdinnu</i>		<a disease>	2
<i>murdudû</i>	ú.mur.dù.dù	<a plant>	222
<i>murru</i>	šim.ses	myrrh	7, 93, 148, 224, 228
<i>muršu</i>	giḡ	illness	241
<i>musukkannu</i>	giš.mes.má.kan.na	Magan tree	150 (foliage)
<i>muša</i>		<a stone>	217
<i>muššaru</i>	na <sub>4</sub> .muš.GIR	serpentine <sup>9</sup>	163, [210]
<i>mūšu</i>	ge <sub>6</sub>	night	186
<i>nabāsu</i>	siḡ.hé.me.da, siḡ.hé.med	red thread	164 (me.da), 164 (me.da, med), 212 (me.da)
<i>nabāṭu</i>	(mul)	to shine, be bright	98 (mu-un-na-mul-la in incantation)
<i>nadû</i>	šub	to throw, discharge, shed	10, 215, 229
<i>nadû Gtn</i>	šub.šub, šub.meš	to shed constantly	3 (meš) (tears)
<i>nakkaptu</i>	sag.ki.II/meš	temples (anat.)	206, 212, 219 (meš) see also <i>pūtu</i> , <i>sankidabbû</i> , <i>tību</i>
<i>naltiptu</i>	túg <sup>9</sup>	cloth, bandage	[192 <sup>7</sup> ], 193(*2), 194 (see note to 190'-7' and cf. <i>lubāru</i> )
<i>namāru D</i>	(zálag)	to brighten	hé.en.zálag.ge (in incantation):169, 170
<i>napāḫu D</i>	mú	stative: be swollen	150, 233
<i>napḫaru</i>	nigin	totality	191 (of skull fluids; see note)
<i>napšaltu</i>		salve	217 (of the head)
<i>napû</i>	sim	to sieve, to sift	3 ; see also <i>taḫaššal tanappi</i> under <i>ḫašālu</i>
<i>naqû</i>	bal	to pour, libate	183
<i>nāru</i>	id	river	199 (red)
<i>nasāḫu</i>	zi	to eradicate	128, [142 <sup>7</sup> ], [155 <sup>9</sup> ], [241 <sup>9</sup> ]
<i>našmattu</i>	lál(.meš)	bandage	10, 12
<i>našû</i>	il	to bear, to carry	200

<i>ni'āšu</i>		to recover (see n. to 205')	205, 212, 238
<i>nību</i>		<i>small piece</i>	164
<i>nikipu</i>	šim. <sup>d</sup> maš, šim. <sup>d</sup> nin.urta	spurge, <i>Euphorbia</i> <sup>?</sup>	(see note to 69'), [109], 148, 236 <i>zīkar sinni</i> 'male and female': 217, [220]
<i>nīnū</i>	Ū.KUR.RA	<i>Ammi</i> <sup>?</sup>	69, [105 <sup>?</sup> ], 224
<i>nīqu</i>	udu.siskur	offering, libation	183
<i>nisannu</i>	iti.bār.zag.gar	(month of) Nisan	30
<i>nīš īni</i>		glance (lit. 'raising of the eyes')	69 (as much as your g.)
<i>nuḥurtu</i>	ū.nu.LUH.ḥa	<an <i>Asafoetida</i> >	85
<i>nūnu</i>	ku <sub>6</sub>	fish	74 (oil of)
<i>pa'āšu</i>		to crush	[70]
<i>paḥāru</i>	bāhar(=DUG.SILA.BUR)	potter	192 (flour <sup>?</sup> of)
<i>pānū</i>	igi	face	233; prepositional meaning not indexed
<i>papparḥū</i>	babbar.ḥi.sar	purslane <sup>?</sup>	24 (seed)
<i>papparmīnu</i>	na <sub>4</sub> .babbar.min <sub>5</sub>	<a semiprecious stone>	<162> (see note), 163
<i>parakku</i>	bāra	seat	[71]
<i>parāsu</i>	kud	to cut, to stop	30, 70 (tears); see also: <i>purussā'a parāsu</i>
<i>parū</i>		vomit	12
<i>pasāsu</i>		cancel	187 NB vowel <i>i</i> not <i>u</i>
<i>passu</i>		<a reed>	(see note to 214')
<i>pašāšu</i>	šēš	to anoint	[72], 158, 168, 226 (in oil), 229, 237
<i>pašāšu</i> Gtn	eš.meš	anoint thoroughly, repeatedly	127 (in oil), 172, 174, 229 (meš), 230
<i>paṭāru</i>	duḥ	to unbind, to release	71 (from seat), [193 <sup>?</sup> ], 194, 195; see also <i>ūmu</i>
<i>pelū</i>		egg	(see <i>ḥašbu</i> )
<i>pēmtu</i>	NE (see note to 75')	ashes, embers	of <i>ašāgur</i> . 75, 95; (on 174 and 221 see note to 221'; on 131, 134 and 139 see note to 131')
<i>pešū</i>	babbar	to be white, bright	187
<i>pešū</i>	babbar	white	131, 212, 217, see <i>šammu pešū</i>
<i>pelū</i>	nunuz	egg	see <i>ḥašab peli lūmi</i>
<i>petū</i>	bad	to open	191 ('to incise?' diseased part, see note), 201
<i>pū</i>	ka	'mouth'	10 (of a mortar), 103 <sup>?</sup>
<i>purssītu</i>	dug.bur.zi	bowl	66
<i>purussā'a parāsu</i>	eš.bar kud	to make a (legal) decision	186
<i>pušīkku</i>	sīk.ga.rīg.ag.a	carded wool	72 (as a bandage)
<i>pūtu</i>	sag.ki	brow, forehead	169(*4), 205; see also <i>nakkaptu</i> , <i>sankidabbū</i> , <i>tību</i>
<i>qabal muḥḥi</i>	murub <sub>4</sub> ugu	'middle of the crown of the head'	[104]
<i>qabal qaqqadi</i>	murub <sub>4</sub> sag.du	'middle of the head'	127 (in gloss to [qer]-bīt qaqqadi), 206, [239]
<i>qadūtu</i>	im.gū	silt	[126] (exposed to open air)
<i>qalītu</i> (or <i>lap/btu</i> )	še.sa.a	roast corn	flour or powder: 5, 109, 129, 195, 235, [242]
<i>qanū / qanū ṭābu</i>	gi / gi dūg.(ga)	reed / sweet reed	96 (incense), 169 / sweet: 214, 241
<i>qaqqadu</i>	sag.du	head	<i>kabātu</i> . [224], 227; kum: [76], [125], 128, [128], 155, [213], 227, 229; <i>napāḥu</i> . 150, [233]; <i>šētur</i> . [141], [150]; <i>šadādur</i> . [227], [233]; varia: 206 (is watery), 209 (being 'windy'), 210 ( <i>tebū</i> ), [213?] ( <i>kašū</i> ), [222] ( <i>maruṣ</i> ) sprinkle: 22, 73; anoint: [72], 158, 229, 230, 237; fumigation: 75, [95], [216], [220]; varia: 21, 72(*2), 91, 142, 156, [157], 157( <i>mesū</i> ), 168 ( <i>manū</i> ), 197 (put hot stones) as ingredient, 171(*2) (of birds) see also: <i>gullubu</i> , <i>šamādu</i> , <i>šārat qaqqadi</i> , <i>qabal qaqqadi</i> , <i>qerbīt qaqqadi</i>
<i>qarāru</i> D		to trickle (transitive)	72 (liquid onto head)
<i>qaran ajiālī</i>	si dāra.bar	horn of deer	218
<i>qātān</i>	šu.II.(meš)	(two) hands	234 (II.meš)
<i>qatāru</i> D	SAR	to fumigate	75, [95 <sup>?</sup> ], 221
<i>qatnu</i>	sig	thin	[192], 193, 194
<i>qēmu</i>	zi (=KU)	flour	see <i>erēnu</i> , <i>ḥallūru</i> , <i>kakkū</i> , <i>kunāšu</i> , <i>kupsu</i> , <i>paḥāru</i> , <i>qalītu</i> , and 143-144, KU is of uncertain reading, see <i>ballukku</i> , <i>buḡlu</i> , see also KU.KU
<i>qerbīt qaqqadi</i>		centre <sup>?</sup> of the head	[127 <sup>?</sup> ] (see note and <i>qabal qaqqadi</i> )
<i>qilip suluppi</i>	bar zū.lum.ma	date skins	[25], 144
<i>qū</i>	sila	litre	1/3: 3, 4, 5 (2*), 8 (2*), 14, 24 (*2), 25, 32 (*2), 54, 61 (*2), 62, 64, 76, 78 (*2), 79 (*2), 80, 81, 87 (*5), 110, 112, 119, 146; 1/2: 12, 87, 111; 1: 87 (*4); 2: 3, 88 (*2), 123; 3: 4; 4: 4; x: [73]
<i>quḍru</i>	ū.KI.AN.NIM	<a plant>	32 (seed), 131 (white)
<i>qūqānu</i>		<a disease of the eyes>	2
<i>qutāru</i>		fumigation	of the head: [216], 220
<i>qu''ū</i>			(see <i>rēšu</i> )
<i>raḥāšu</i>	ra	to flood	(see note to 201')

<i>rakāsu</i>	kešda	to tie, to bind	212 (see also <i>riksa rakāsu</i> )
<i>rašū</i> Gtn	tuku.tuku, tuku.meš	to get repeatedly	141 ( <i>šb pūti</i> ), 234 (paralysis), 240 ( <i>hīp libbi</i> ) (meš), 251 (= catch-line of tablet 2) ( <i>sankidabbā</i> )
<i>rašū</i>	tuku	to get	1, 76 (inflammation), <<141>> (see n.), 234 (paralysis)
<i>reḥū</i>		inseminate	199
<i>rēšu</i>	sag	head	30, 32, 54, 55, 57, 58, [142 <sup>9</sup> ]
<i>rēška ukāl / qu'ū</i>		'it awaits your attention'	4, 88, [146] / 4
<i>rēštū</i>	sag	prime (of beer)	(see note to 12)
<i>ribku</i>		infusion	127, 225
<i>rikib argabi</i>	u <sub>5</sub> argab.mušen	spur of bat	23, [53], 68, 142, 184
<i>saḥlū</i>	zā.ḥi.li	cress	3, 4, 5, 8, 10 (which/of mouth of mortar ...), 11 (*2), 12 ('cress bandage of the eyes'), 57 (dried), [59], 61, [62], 76, [78], 84, 86, [87], 109, [110], [129], 129, 144 ground: 4, 6, 11, 147, 235
<i>sāku</i>	súd	to pound, to pulverise	[13], 40, 44, 47, [59], [63], 91, 132, 147, 148, 149, 156, 158, 192, [218], 223, 225; in ghee: 7; in fat: 7, 43 (from a long bone); in oil: 70, 142; in oil and patina: 56, 67; in honey: 50, 53, 60 in cedar 'blood': 215; in mortar: 228
<i>sāku</i> <sup>9</sup> D		to vomit <sup>9</sup>	12
<i>salāḥu</i>	sud	sprinkle	72, 192, 193, 194
<i>samānu</i>		<a red plant>	82
<i>sāmtu</i>	na <sub>4</sub> gug	carnelian	162
<i>sāmu</i>	sa <sub>5</sub>	red	198 (*3), 199 (*4), 200 (*5)
<i>sankidabbū</i>	sag.ki.dab.ba	'seizure' of the temples	251 (= catch-line of tablet 2)
<i>sarāmu, serēmu</i>		to cut	(see note to 191')
<i>sarāqu</i>	dub	pour, sprinkle	22 (...onto head), 73 (liquid onto head), 182
<i>saskū</i>	zì.eša(A.TIR)	<a fine flour>	182
<i>sassatu</i>	KI.KAL	grass	138
<i>sekēru</i>		to block off	200
<i>serēnu</i>	anše.edin	wild ass	(see note to 225')
<i>sēru</i>		to smear, to rub	156, (see note to 191')
<i>sīḥu</i>		wormwood <sup>9</sup>	84, 87, 214
<i>sikkūru</i>	giš.sag.kul	bolt, lock	200 (red)
<i>siktu</i> <sup>9</sup>	GAZ	powder	32 (of <i>būšānu</i> , of seed of <i>quḍru</i> )
<i>sili'tu</i>	līl	infection	227, 229
<i>sūmmu</i>	gig	wound	192(*2), 193, 194, 195, 196
<i>sinništu</i>	munus	woman, female	[172] (see note); see also <i>zīkar u sinniṣ</i>
<i>sīrdū</i>		olive	see <i>šaman sirdi</i>
<i>su'ādu</i>	šim.MAN.DU	sedge(-tubers) <sup>9</sup>	87, 143 (powder), 213
<i>suluppu</i>	zū.lum.(ma)	date(s)	149, 182; see also <i>qilip suluppi</i>
<i>supālu</i>	ú.za.ba.lam, mu.un.zer	<a> juniper	[14], 57, 108, 124, [133], 222 (mu.un.zer, see note)
<i>supuḥru</i>	giš.eren.BAD	<a type of cedar>	[214]
<i>šabātu</i>	dab/dib	to take (an ingredient)	65
<i>šabītu</i>	maš.dà	gazelle	see <i>qaran šabīti, zē šabīti</i>
<i>šadānu</i>		<a bush>	[81]
<i>šahātu</i>	sur	squeeze, press out	66
<i>šalmu</i>	ge <sub>6</sub>	black	211, 217
<i>šamādu</i>	lal, lál	to tie, to bind, to bandage	<i>tašammid</i> : 2, 10 (-uš), 70(-šu), 84, [106 <sup>9</sup> ], 107 (-su), 121, 125, 126, 127, 129(*2), 130, 131(*2), 132(*2), 133, 134, 135, 136, 137, 138(*2), 139, 140, 142, [193 <sup>9</sup> ], 194, 195, 196, 207, 208, 225, 226, 237, [242]; <i>irassu tašammid</i> : 21, 120; <i>qaqqassu tašammid</i> : [21 <sup>9</sup> ], 120, 128, 215; see also under <i>gullubu</i>
<i>šamū</i> Gtn		to be constantly thirsty	240
<i>šarbatu</i>		poplar	see <i>fikmēnu</i>
<i>šašumtu</i>		<a plant>	(see note to 188'), 222
<i>šētu</i>	ud.da	<i>šētu</i> -fever (=sunstroke <sup>9</sup> ), open air	<i>šēta ḥamātu</i> 'to burn with <i>šētu</i> -fever', <i>muhḥu</i> : [83], 85; <i>qaqqadu</i> : 141, 150; <i>šēta e/umma rašū</i> (see note to 141') <i>šēta kašādu</i> 'to be exposed to the open air': 126 (of silt)
<i>šumlalū</i>	šim.GAM.ma	<a spice plant>	68 (fat of <sup>9</sup> ), 83
<i>šurru</i>	na <sub>4</sub> .zū	obsidian	211 (black)
<i>šadādu</i>	gīd.(da)	to draw, to pull	228, 233
<i>šadānu šābitu</i>	na <sub>4</sub> .kur-nu dab	magnetic iron ore	163
<i>šahāḥu</i>		to become loose, fall out	141, 155, 181
<i>šaharru</i>	sáḥar	porous	see <i>kannu</i>
<i>šakāku</i>	è	to thread	164
<i>šakānu</i>	gar	to put, to place	66 (until dry), 182, 184 (before star), 197 (around head), 209; onto wound: 192, [193 <sup>9</sup> ], 193, 194; on neck: 188, 203, 206
<i>šammu</i>	ú(meš/ḥi.a)	herb, ingredient	these ingredients: 187, 218
<i>šammu pešū</i> <sup>9</sup>	ú babbar	'white plant'	[68], 156
<i>šamnu</i>	i / i.giš	oil	anoint in: 127, 226; cast into: 229; pour onto: 73 (giš)

(i.giš also possibly <i>ellu</i> )			pound in: 70, 142, 142 (giš), (+copper dust) 56, 67 mix in / with: 158, 158 (giš) 167, 174 (cypress), 219 / 184 sprinkle: 192 (giš), 193 (giš), 194 (giš) olive, knead in: 55, 124 55 (giš), 74 (bad), 74 (fish), 96 (incense)
<i>šamšu</i>	utu	sun	242
<i>šamû</i>	an	heaven	185
<i>šartu</i>	síg munšub / múnšub	hair	158, 164, 178, 189; loose ( <i>aliku</i> ): 156, 164, 172 159(*2), 160 / 159(*2), 160(*2)
<i>šarat lēti</i>	síg te <sup>mes</sup>	hair of the cheeks	181
<i>šarat muhhi</i>	síg ugu	h. of the crown of the head	141
<i>šarat qaqqadi</i>	síg sag.du	hair of the head	90, 141, [155], 161
<i>šartu ištu irti</i>	síg ta gaba <en> sag.du	hair from the breast to the head	141
<i>&lt;adi&gt; qaqqadi</i>			
<i>šatû</i>	nag	to drink	12
<i>šēha kullu</i>		to have air (in head)	209
<i>šellebēnu</i>		<a grass>	138
<i>šēpān</i>	gir.II	(two) feet	233, 234; see also <i>hallutanû</i>
<i>šer'ānu</i>	sa	muscle, tendon, nerve, blood-vessel	1
<i>šēru</i>	Á.GÚ.ZI.GA	morning	71, 187
<i>šibtu</i>	šu.gi	greyness (of hair)	173 (see note)
<i>šikaru</i>	kaš(.meš) / kaš.sag	beer	kaš: knead in: 6, 108, 109 <sup>7</sup> , 114, 125, 145, 147, 148 ( <i>meš</i> ), 153; 12 (beat in), 12 (crush with), 183 (libate), 229 (throw on) / kaš.sag: 12 (beat in), [250] (drink in) see also <i>šikār tīti</i> , <i>šuršummū</i> , <i>billatu</i> (see note to 12')
<i>šikaru rēštû</i>		prime beer	(see note to 12')
<i>šikār tīti</i>		<a type of beer>	93
<i>šimāhu</i>		boxthorn <sup>7</sup>	156
<i>šim(eš)šalû</i>	šim.šal	box-tree <sup>7</sup>	213
<i>šimmatu</i>		paralysis	[234]
<i>šipātu</i>	síg	wool(en thread)	212 (white)
<i>šiptu</i>	én	spell, charm, incantation	[96 <sup>7</sup> ], 159, 165, 169, 170, [173 <sup>7</sup> ], [175 <sup>7</sup> ], 198, 205 <i>šipta manû</i> : 100, 205; x 3: 168, 172, 184; x 7: 167, 204
<i>šiptu</i>	ka.inim.ma	spell, charm, incantation	[99 <sup>7</sup> ], 161, [178], [189], [202]; (see also <i>tû šipti</i> )
<i>šiqḷu</i>	gin	shekel	½: 23; 1: 23, 142; 5: 11 (*2); 10: 8, 10, 14, 19, 20, 143 (*4 or 5), 144 (*4), 145 (*2)
<i>šizbu</i>	ga	milk	knead in: 59, 79, 80, 81, 84; [...] in: [79]
<i>šubû</i>	na <sub>4</sub> .šuba(=ZA.MUŠ)	<a stone>	162, 163 (of the right), 163 (of the left)
<i>šuhḫu</i>	iš.urudu	patina, rust, verdigris	47 (of gold), 60, [93]; pound in: [56], 67
<i>šumēlu</i>	2,30	left	226
<i>šumēlû</i>	á.gub.bu, gub.bu	'of the left'	see <i>šubû</i>
<i>šumû</i>	uzu.KA.NE	shoulder	[183]
<i>šunû</i>	giš.še.nú.a	chaste tree <sup>7</sup>	71 (water of), 72 (water of, boiled), [241]
<i>šurdunû</i>	ú.si.sá	<a plant>	68 (seed), 236 ( <i>šim</i> )
<i>šurmēnu</i>	giš.šur.min	cypress	143 (powder), 174 (oil)
<i>šurrû</i>	sar.sar	to start, to set going	(see note to 182')
<i>šuršummū kurunni</i>		dregs of <i>kurunnu</i> -beer	knead in: [58]
<i>šuršummū šikari</i>		beer dregs	knead in: 49 (boiled), [57] (kaš.sag <sup>7</sup> ), 65, 118, 151, 152
<i>šūšu</i>		liquorice	242 (powder), see <i>išid šūši</i>
<i>tabāku</i>		to pour out	234 (stative, of limbs)
<i>tabāku D</i>		to excrete a lot	[239]
<i>tabālu</i>		remove	50
<i>takkassu</i>	na <sub>4</sub> .dag.gaz	<a stone>	210
<i>tamgussu</i>	urudu.šen.tur	<a copper cooking vessel>	91
<i>tappinnu</i>	dabin(=ŠĒ/ZI.ŠĒ)	<a kind of flour>	151
<i>tarāku</i>	al.dúb.ba	to be dark	159
<i>tarānu</i>		shade	73 (offered by house)
<i>tāru</i>	gur	(in hendiadys:) to repeat	31, 145
<i>tebû</i>	zi	to rise	198, 199(*2)
<i>tebû Gtn</i>		to rise constantly	210
<i>tebû Š</i>		to remove	128
<i>tē qītu</i>		ointment	(see note to line 70')
<i>tību</i>	zi	'rising'	of temples: 1 (see note), 141; of inflammation: 227
<i>tikku</i>		<a part of the neck>	206 (place warm cedar on)
<i>tinūru</i>	ninindu, im.šu.rin.na	oven	in <i>ḥašab tinūri</i> 'oven shard': 8, 128
<i>tītu</i>	giš.pēš	fig	foliage: [30], 79
<i>tû šipti</i>	tu <sub>6</sub> én	recital of the charm	[98], 160, 166, 177, 201
<i>tuhḫu</i>	duḫ	(sesame) residue	83 (boiled)
<i>tupšikku</i>	giš.dusu	brick hod	200 (red)
<i>tābātu</i>	a.geštin.na	vinegar	11 (cress undefiled by), 78 (knead in)
<i>tābtu</i>	mun	salt	11 (cress undefiled by), 215 (fat from ... not stored in)

<i>tābat emesallim</i> ?	mun <i>eme-sal-lim</i> etc.	emesallim-salt	7, 69
<i>tamū</i>	NU.NU	to spin, to thread	212
<i>tarādu</i> N		to be expelled	(see note to 191')
<i>teḥū</i> D		to offer	183 (with <i>a</i> not <i>e</i> vowel)
<i>tēnu</i>	āra	to grind	3 (in mortar)
<i>tēnu</i>	āra	ground	[88 <sup>3</sup> ], see <i>sahlū</i>
<i>terū</i>	SUR	rub in	see <i>ina maški terū</i>
<i>tiḫmēnu</i>	dē(=NE)	ashes	<i>šarbatu</i> . [131] (see note), 134, [139]
<i>tītu</i>		mud	see <i>šikār tīti</i>
<i>ubānu</i>	šu.si	finger	[127] (protuberance <sup>3</sup> ), 190 ('large' i.e. thumb)
<i>uḫinnu</i>	giš.u <sub>4</sub> .ḫi.in	fresh dates	171
<i>uḫūlu qarnānū</i>	naga si	'horned' alkali	6, [33], [59], 70 (wash in), 74(*2!), 147; (see note to 68')
<i>ummu</i>	kúm kúm dab  kúm tuku	inflammation	128, 155, 227, 229 <i>umma kullu</i> 'to have heat, be feverish' (see note to 1): 1 ( <i>muhhu</i> ), 128 ( <i>qaqqadu</i> ), 252 (series title) <i>umma rašū</i> 'to get heat, fever' 76
<i>ūmu</i>	ud ud n kam <i>ina</i> ud 7 / 8 kam ud 3 / 7kam nu duḫ	day for n day(s) on the 7th / 8th day you shall not untie for three / seven days	[207] see also <i>šamšu</i> 1: 13, 21, 195; 2: 157; 3: 73; 5: 126 (gloss), 225; 15: 125 <i>ina ūmi</i> 7 / 8: 207 / 208 3 <i>ūmi lā tapaṭṭar</i> : 4, 5, [9], [15 <sup>2</sup> ], 45, 48, 49, 51, 52, 54, 57, 58, 59, 61, 62, 64, 65, 77, 78, [106], 122, 126, 132, 142, 223, 232 / 7 <i>ūmi lā tapaṭṭar</i> . 237
<i>unīqu</i>	munus.ĀŠ.GAR	female kid	188 (virgin)
<i>uqnū</i>	na <sub>4</sub> .za.gin	lapis lazuli	162
<i>urbatu</i>		rush (plant)	167 (fire of)
<i>urbatu</i>		worm	[198], 198 (*2) (red)
<i>ur(ij)ānu</i>	ú.tál.tál	fennel?	80
<i>urnuqu</i>		<a plant>	228
<i>urpatu</i>		cloud	198
<i>uršu</i>	na <sup>4</sup> .zā.ḫi.li	mortar	10 (mouth of), [228]
<i>ušū</i>	giš.esi	ebony?	[224]
<i>uznu</i>	uzu.GIŠ	ear	190 (see note), 197
<i>(w)abālu</i>		remove	206 (water)
<i>(w)abālu</i> Gtn		to trouble <sup>3</sup> constantly	240 (kidney)
<i>(w)abālu</i> Št		to stir	4, 5
<i>(w)arādu</i>		to descend	191 (fluids from skull)
<i>(w)ašū</i>	è	to come/go out, protrude	127 (protuberance)
<i>zalaqu</i>	na <sub>4</sub> .zālag	<a shiny stone>	217
<i>zaqātu</i> D	táb.táb	to sting	90, [99], [239]
<i>zē buqli</i>			(see note to 88)
<i>zē malāḫi</i>	ú.še <sub>10</sub> má.laḫ <sub>5</sub>	'sailor's excrement' plant	[184]
<i>zē šabīti</i>	še <sub>10</sub> maš.dā	gazelle dung	44 (see note)
<i>zenū</i>		be angry ( <i>itti</i> with)	181
<i>zēru</i>	numun	seed	see: <i>bīnu</i> , <i>egemgirū</i> , <i>irru</i> , <i>kamkadu</i> , <i>kammantu</i> , <i>laptu</i> , <i>lišān</i> <i>kalbi</i> , <i>maštakal</i> , <i>papparḫū</i> , <i>quḍru</i> , <i>šurdunū</i>
<i>zibū</i>	ú.gamun.ge <sub>6</sub>	black cumin	69
<i>zikar u sinniš</i>		male and female	217, 220
<i>zikaru</i>	níta	male, man	171, 172
<i>ziqnu</i>	su <sub>6</sub>	beard (i.e. chin)	233
<i>zumru</i>	su	body	234 (getting paralysis)
<i>zunnu</i>	IM.šēg(=A.AN)	rain	198 (red)
? <i>kannu</i> / <i>ka'u</i>	GIŠ.GAN	<a plant>	183, 188
? <i>sānu</i>	Ú.SA <sub>5</sub>	<a plant>	[52] see CAD S 128 <sup>a</sup>
?	IN.DAR	?	74 (see note)
?	KU.KU	powder	192
?	kuš.edin	<a piece of leather>	225 (rub in with a kuš.edin, see note)
?	(mú) al.mú.da mú.da / mú.da.kam	(to grow) is growing grows / is for growing	160 160, 160(*2) / 161, 178, 189
?	mu-un-na-mul-la	it will shine for him	
?	na <sub>4</sub> .an.za.gul.me	<a stone>	[211] see George 2003:867-68
?	na <sub>4</sub> .gug.mar.ḫa.ši	<a stone>	210
?	na <sub>4</sub> .ugu.aš.gi.gi	<a stone>	163 see CAD A/ii 427b, DACG 56f
?	NE		103 (infammation <sup>3</sup> )

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