

Analysis of Unicode Egyptian hieroglyphs in a collection of MdC-coded transcriptions

Bob Richmond. 2016-10-28.

Objectives

This note provides measurements of hieroglyph usage in a sample collection of 180 MdC-coded transcriptions of classical Egyptian sources, relative to the Unicode (2009) Egyptian Hieroglyph set.

Measurements were extracted using the **MdC analysis for Unicode Repertoire Expansions** web app (available at <http://www.egpz.org/Page/UnicodeMdCAnalysis>). The raw Repertoire Analysis output from the web app version 2016-10-26 for each sample transcription is given in the **Appendix**.

The data presented here provides some evidence on the disparity between what hieroglyphs MdC users might like to transcribe and what is possible using the hieroglyphs in Unicode (2009). A hypothetical expansion of Unicode – ‘ExpansionA’ – is applied to illustrate the effect of adding 200 candidate hieroglyphs to the existing 1071. The real Unicode ‘ExpansionA’ will likely be much more substantive.

Once work on Unicode repertoire has progressed further it will be useful to update this document to match. This document version should therefore be thought of as a snapshot with short term utility.

The Sample Collection of Transcriptions







Most MdC transcriptions used for this analysis are included with JSesh 5.5 (freely available from the JSesh web-site <https://jsesh.qenherkhopeshef.org/>). There are also several transcriptions from Gabor Toth’s website <http://egypt-grammar.rutgers.edu/>. This yields a total of 180 MdC source documents containing about 240,000 hieroglyphs. Sources for the transcriptions all date from the classical era so there is no Ptolemaic, Greco-Roman source material in this analysis.

Basic Manuel de Codage (MdC) encoding conventions have been available since 1988 and some extensions have materialized in the meantime. The Hieroglyphica sign list used alongside MdC was published in 1993 and extended in 2000. Samples here may have originated at various times in the last 30 years at different stages of the development of MdC and Hieroglyphica conventions. They should not be regarded as definitive in any sense but are certainly a useful illustration of the capabilities and limitations of Unicode (2009) transcription in practice.

The transcriptions are listed in **Table 2** with number of Unicode (2009) and Non-Unicode hieroglyphs they contain.

The Hypothetical ‘ExpansionA’ Repertoire Candidates

The 200 candidate hieroglyphs are almost all featured in MdC/Hieroglyphica (2000). Mirrored/rotated signs and stacks in the MdC sense are given their own character. All are believed attested from the Classical era.

Temporary assignments of Unicode-style names are used. Variants follow the existing Unicode (2009) naming convention – e.g. candidate  (HG-A31B) is named A031A as a variant of  (A031).  (HG-A40\) named A040B.  (HG-Y2v) named Y002A. For hieroglyphs that are not variants of current hieroglyphs in Unicode, names use a Gardiner category (A-AA) followed by the number 8 then three digits and an optional letter A-Z. The 8 means it is a classical hieroglyph. Examples  (HG-B24 -> I8001) and  (HG-K23 -> K8002).

These 200 candidates can be used as a part of the construction of a real ‘ExpansionA’ expansion to the Unicode repertoire.




















The candidates are listed in **Table 1** showing which of the sample transcriptions use them (if any).






























Remarks





























1. A total of 237208 Unicode (2009) hieroglyph instances are identified in the MdC transcriptions. Only 1403 are not. 71 of the transcriptions are entirely Unicode (2009).
2. 667 hieroglyph instances of the 1403 are accounted for by the 200-candidate set leaving 736 residual instances. However, some are part of a JSesh-specific system for hieratic transcription (Ffxxx codes) such as used in Naunakhte1.gly and Naunakhte4.gly – worth looking at for a Unicode proposal but not actually true hieroglyphs.
3. Many of the samples are hieratic transcriptions. There is not as wide a spread of material from hieroglyphic sources. For example, there are no samples from Pyramid texts. It is therefore important to recognize the 180 samples are not representative of the whole classical corpus of hieroglyphic source. This is one reason some candidates do not show up in **Table 1** as having a presence in any of the sample transcriptions.
4. Transcription from an original source to a catalogue of signs is subject to human interpretation (and possible error). In the process of transcription, it is impossible to avoid being influenced to some degree by tools and fonts available and often it is sufficient simply to be good enough for purpose. Consequently, just because an MdC transcription appears here as fully Unicode (2009) it may be that if a wider range of hieroglyphs were available, the transcriber might make different choices. In short it is important not to read too much into every facet of an MdC transcription without context.






























Table I – Hypothetical set of ‘ExpansionA’ Candidates

- **CODE.** Temporary Unicode- like name (see above).
- **HGMDC.** Hieroglyphica/MdC equivalent.
- **NI.** Total number of instance in the sample collection.
- **REFS.** Comment noting where I have page references. **DME** = *A concise dictionary of Middle Egyptian* (Faulkner, 1962). **EG** = *Egyptian Grammar* (1957. Gardiner). **GHAD** = *Großes Handwörterbuch Ägyptisch-Deutsch* (Hannig, 1995),. **ME** = *Middle Egyptian: an introduction to the language and culture of Hieroglyphs* (Allen, 1999). **WB** = *Wörterbuch der Ägyptischen Sprache* (1926-1963. Erman, Grapow).
- **TRANSCRIPTIONS.** File names of transcriptions using the hieroglyph with individual counts in brackets.

	CODE	HGMDC	NI	REFS	TRANSCRIPTIONS
	A004A	A4A	0	WB;	
	A007A	A7A	0	DME;	
	A013A	A13A	0	DME;	
	A015A	A15A	0	DME;	
	A016A	A16A	0		
	A021A	A21A	14	DME;	P_Harris_I_Supplique, Thebes.gly (2);P_Harris_I_Thebes, Liste A.gly (4);P_Harris_I_Thebes, Liste B.gly (1);P_Harris_I_Thebes, Liste E.gly (1);sinuhe.gly (6);
	A031A	A31B	1		pentaour.gly (1);
	A032B	A32B	0	WB;	
	A040B	A40\	1		Abydos, grande inscription dedicatoire.gly (1);
	A040C	A40C	4		abydos-RII-procession.gly (4);
	A040D	A40D	1		Abydos, grande inscription dedicatoire.gly (1);
	A040E	A40E	4	DME;	abydos-RII-procession.gly (4);
	A040F	A40B	0	DME;	
	A042B	A42A	14		P_Harris_I_Supplique, Thebes.gly (13);P_Harris_I_Vignette Thebes, pl.gly (1);
	A048A	A48A	5		bod17.gly (5);
	A048B	A48B	0	WB;	
	A051A	A51A	7	DME;	Abydos, grande inscription dedicatoire.gly (4);bod17.gly (3);
	A8000	A83	0		
	A8001	A78	6	WB;	kamose.jsesh (1);pentaour.gly (4);steleKamose.gly (1);






























	A8002	A121C	0	WB;	
	A8003	A176	0		
	A8004	A223	2	DME;	israel.gly (1);poet.jsesh (1);
	A8005	A276	3	WB;	ahmose.jsesh (1);P_Harris_I_Supplique, Thebes.gly (1);poet.jsesh (1);
	A8006	A311	3		bod17.gly (1);nefertio.jsesh (2);
	A8007	A313	0	GHAD;	
	A8008	A426	1		pturin1887.gly (1);
	A8009	A92	1		pentaour.gly (1);
	A8010	A133A	3		weni.gly (3);
	A8011	A183	0		
	B002A	B2A	1	DME;	sinuhe.gly (1);
	B007A	B7C	2	WB;	penbouui8.gly (2);
	B8000	B12	4	DME;	sinuhe.gly (4);
	B8001	B24	2		Abydos, grande inscription dedicatoire.gly (1);louvrec14.gly (1);
	B8002	B51	4	WB;	bod17.gly (4);
	B8003	B53	0	DME;	
	B8004	B37	0		
	B8005	B27	1		pentaour.gly (1);
	B8006	B56	5		sinuhe.gly (5);
	B8007	B75	3		pentaour.gly (3);
	C018A	C18A	1		israel.gly (1);
	C8000	C102A	0		
	C8000A	C102	0		
	C8000B	C102\	14		israel.gly (14);
	D003A	D3A	7		bod17.gly (7);
	D035A	D35A	5		AtenHymn.gly (4);pturin1887.gly (1);
	D046B	D46C	0		
	D046C	D46D	0	DME;	
	D059A	D312	0		

	D8000	D143	1	DME;	bod17.gly (1);
	D8001	D217	0	WB;	
	D8002	D160	0	WB;	
	D8003	D197	1		bod17.gly (1);
	D8004	D272	0	DME;WB	
	D8005	D384	0	DME;	
	E8000	E103	2	DME;	weni.gly (1);WienKHM_AS_125.gly (1);
	E8001	E130	0	GHAD;	
	E8002	E151	0	DME;	
	E8003	E152	0	DME;	
	F016A	F16A	0		
	F037B	F37B\	17		P_Harris_I_Supplique, Thebes.gly (1);P_Harris_I_Thebes, Liste B.gly (2);P_Harris_I_Thebes, Liste C.gly (2);P_Harris_I_Thebes, Liste E.gly (3);pberlin10463.gly (5);PDM39.gly (1);sethelest7.gly (1);nefert0.jsesh (2);
	F037C	F37A	0	WB;	
	F051D	F51B	36		abydos-RII-procession.gly (3);Abydos, grande inscription dedicatoire.gly (7);AtenHymn.gly (9);bod17.gly (6);Naunakhte4.gly (1);P_Harris_I_Supplique, Thebes.gly (4);P_Harris_I_Thebes, Liste E.gly (5);PNorthumberland1.gly (1);westcar.gly (2);
	F051E	F51\R90	2		
	F051F	F51\\R90	5		bod17.gly (1);ineni.gly (1);israel.gly (1);Naunakhte1.gly (2);
	F051G	F51\	5		bod17.gly (1);pentaour.gly (4);
	F8000	F63	18		abydos-RII-procession.gly (1);Abydos, grande inscription dedicatoire.gly (13);israel.gly (2);penbou18.gly (1);pentaour.gly (1);
	F8001	F132	2		lrl28.gly (1);PDM08.gly (1);
	G004A	G4A	7	WB;	P_Harris_I_Supplique, Thebes.gly (1);P_Harris_I_Thebes, Liste C.gly (5);P_Harris_I_Thebes, Liste E.gly (1);
	G007C	G7C	0	DME;	
	G007D	G7D	0		
	G009A	G9A	0		
	G017A	G17A	184	WB;	bod17.gly (184);
	G020A	G90	5		bod17.gly (5);
	G025A	G25A	0		
	G026B	G26B	4		PNorthumberland1.gly (3);pturin1887.gly (1);
	G8000	G81	3		bod17.gly (3);

	G8001	G106	0	
	G8002	G171	0	
	G8003	G172	2	bod17.gly(2);
	G8004	G191	5 WB;	bod17.gly(5);
	G8005	G225	1 DME;	weni.gly(1);
	G8006	G234	2	bod17.gly(2);
	G8007	G248	10	bod17.gly(1);pentaour.gly(9);
	H005A	H5\	0	
	I009B	I9A	0	
	I014A	I14C	0 DME;	
	I8000	I64	25 WB;	Abydos, grande inscription dedicatoire.gly(3);bod17.gly(18);penbouï8.gly(4);
	I8001	I80	4 WB;	P_Harris_I_Introduction.gly(4);
	K004A	K4A	3 WB;	bod17.gly(3);
	K006A	K6\R90	0 WB;EG;	
	K8000	K13	0	
	K8001	K18	1 WB;	Abydos, grande inscription dedicatoire.gly(1);
	K8002	K23	1 WB;	bod17.gly(1);
	L8000	L19	0 WB;	
	M003B	M3\R90	1	amenemope.hie(1);
	M003C	M3D	0 DME;	
	M008A	M8A	4 WB;	PDM05.gly(1);PDM08.gly(1);WienKHM_AS_125.gly(2);
	M017B	M17\	4	AtenHymn.gly(2);P_Harris_I_Vignette Thebes, pl.gly(2);
	M8000	M46	2 DME;	bod17.gly(2);
	M8001	M127	4	kanais.gly(2);kanais.jsesh(2);
	M8002	M159	0	
	N004A	N4A	1	bod17.gly(1);
	N003A	N3A	5	bod17.gly(5);
	N011A	N11\R90	0 EG;DME;	
	N011B	N11\\R90	0 WB;	

	N012A	N12\R90	1	amenemope.hie (1);
	N012B	N12\\R90	0	EG;
	N012C	N62A	1	WB; amenemope.hie (1);
	N021A	N21A	0	DME;WB
	N030A	N30A	3	bod17.gly (3);
	N033B	N33Av	3	bod17.gly (3);
	N034B	N34\	2	kamose.jsesh (1);steleKamose.gly (1);
	N035B	N35B	0	
	N035C	N35C	0	
	N046A	N46A	0	
	N046B	N46B	8	WB; bod17.gly (8);
	N8000	N46	3	DME; AtenHymn.gly (1);israel.gly (2);
	N8001	N56	0	
	N8002	N90	0	EG;DME;
	N8003	N104	8	Abydos, grande inscription dedicatoire.gly (1);bod17.gly (7);
	O031A	O31\R270	1	WB; ineni.gly (1);
	O031B	O31\\R270	0	WB;
	O036E	O36h	0	EG;DME;
	O036F	O36C	0	WB;
	O042A	O42A	3	israel.gly (2);pentaour.gly (1);
	O048A	O48A	8	kamose.jsesh (2);PDM39.gly (2);steleKamose.gly (4);
	O049A		0	
	O8000	O70	0	
	O8001	O84	1	Khetty.jsesh (1);
	O8002	O90	1	weni.gly (1);
	O8002A	O90A	0	DME;WB
	P004A	P4B	2	DME; Abydos, grande inscription dedicatoire.gly (1);P_Harris_I_Thebes, Liste B.gly (1);
	P008A	P8h	7	DME; Abydos, grande inscription dedicatoire.gly (7);
	P008B	P8\R90	15	berlin2081.gly (2);djhoutymes.gly (2);ineni.gly (8);louvren3026.gly (1);neferhotep.gly (2);

	P8000	P13	19 WB;	weni.gly (19);
	P8001	P30	0 WB;DME	
	Q002A	Q2\	8	bod17.gly (8);
	Q007A	Q7A	9 WB;	bod17.gly (9);
	Q8000	Q19	0 WB;	
	R005A	R5\	2	steleboston25632.gly (1);sinuhe.gly (1);
	R008A	R8A	97 WB;	abydos-RII-procession.gly (1);Abydos, grande inscription dedicatoire.gly (11);ahmose.jsesh (1);bod17.gly (12);horusandseth.gly (1);kanais.gly (9);kanais.jsesh (13);lrl28.gly (2);odm0119.hie (1);P_Harris_I_Introduction.gly (7);P_Harris_I_Supplique, Thebes.gly (4);P_Harris_I_Thebes, Liste A.gly (5);P_Harris_I_Thebes, Liste C.gly (1);P_Harris_I_Thebes, Liste D.gly (2);P_Harris_I_Thebes, Liste E.gly (2);P_Harris_I_Vignette Thebes, pl.gly (1);panastasi05-09-2-10-2.gly (1);pbm10326.hie (2);PDM10.gly (1);PDM11.gly (1);PDM12.gly (2);PDM14.gly (1);PDM16.gly (1);PDM18.gly (3);PDM29.gly (1);PDM34.gly (1);PNorthumberland1.gly (3);pvalancay1.gly (3);westcar.gly (3);JdE28569.jsesh (1);
	R024A	R24v	0 WB;	
	R8000	R10A	4	Abydos, grande inscription dedicatoire.gly (4);
	R8001	R50	0 WB;	
	S017B	S17A	4	bod17.gly (4);
	S029A	S29\	8	AtenHymn.gly (2);berlin2081.gly (1);kanais.gly (1);kanais.jsesh (1);neferhotep.gly (2);sethnakhtelephantine.gly (1);
	S030A	S30A	0	
	S030B		0	
	S030C	D151A	0	
	S030D	D410A	1	pturin1887.gly (1);
	S8000	S113	3	Abydos, grande inscription dedicatoire.gly (1);Louvre_stela_271.jsesh (2);
	S8001	S123	1 DME;	sinuhe.gly (1);
	T009B	T9\R90	0	
	T009C	T9A\R90	3	kanais.gly (1);kanais.jsesh (1);nefert0.jsesh (1);
	T010A	T10\R90	1	khu_sobek.jsesh (1);
	T014A	T14\	4	khakhepereseneb.gly (2);pberlin8523.hie (2);
	T021A	T21v	7 DME;	louvrec26.gly (2);pentaour.gly (5);
	T022A	T22h	0	
	T022B	T22A	7 WB;	Abydos, grande inscription dedicatoire.gly (5);pentaour.gly (2);

	T030A	T30A	5	WB;DME	kagemni.jsesh (1);P_Harris_I_Supplique, Thebes.gly (1);P_Harris_I_Thebes, Liste E.gly (3);
	T034A	T34\	1		Abydos, grande inscription dedicatoire.gly (1);
	T8000	T53	0	WB;	
	T8001	T113	0	DME;WB	
	U006C	U6\	16		israel.gly (16);
	U022A	U22\R270	6		AtenHymn.gly (1);ineni.gly (2);ocaire25338.gly (1);westcar.gly (2);
	U022B	U22\R90	5		ineni.gly (1);louvrec26.gly (3);westcar.gly (1);
	U030A	U30A	1		Abydos, grande inscription dedicatoire.gly (1);
	U032B	U32A	0	WB;	
	U039A	U39I	3	WB;	bod17.gly (2);P_Harris_I_Introduction.gly (1);
	U039B	U39A	0	DME;	
	U8000	U101	0	WB;	
	V010A	V10\R90	2		horusandseth.gly (1);P_Harris_I_Thebes, Liste C.gly (1);
	V8000	V84	4	DME;	bod17.gly (1);P_Harris_I_Thebes, Liste B.gly (2);P_Harris_I_Thebes, Liste E.gly (1);
	W014B	W14\R270	1		mankind.gly (1);
	W015A	W15\	2		AtenHymn.gly (1);ounamon.hie (1);
	W015B	W15A	0	DME;	
	W017B	W17D	3		Abydos, grande inscription dedicatoire.gly (3);
	W017C	W17A	4		Abydos, grande inscription dedicatoire.gly (1);bod17.gly (3);
	W018B	W18A	4		bod17.gly (4);
	W8000	W54	0	WB;DME	
	W8001	W66	1	WB;EG;	Khetty.jsesh (1);
	X002A	X2D	0	WB;DME	
	X003A	X3A	0	WB;	
	X004C	X4E	0	WB;	
	Y002A	Y2v	0	DME;	
	Z011A	Z11A	0	DME;	
	Z8000	Z30	10		IrI28.gly (2);Naunakhte4.gly (1);PDM07.gly (1);PDM08.gly (1);pdm27.gly (1);PDM29.gly (3);PNorthumberland1.gly (1);
	AA011A	Aa11v	0	DME;	













	AA011B Aa11\R90	15	ineni.gly (7);khu_sobek.jsesh (3);louvrec26.gly (2);penboui8.gly (1);stela400years.gly (2);
	AA011C Aa11\R270	5	louvrec26.gly (5);
	AA011D Aa11\	0	
	AA014A	0	
	AA014B	0	
	AA014C	0	
	AA015A Aa15\	4	kanais.gly (1);kanais.jsesh (1);louvree116a.gly (2);
	AA018A Aa18\	3	khakhepereseneb.gly (3);
	AA027A Aa27D	2 WB;	P_Harris_I_Supplique, Thebes.gly (2);
	AA027B Aa27C	0	
	AA030A Aa30\R270	3 DME;	djhoutymes.gly (1);poet.jsesh (1);sinuhe.gly (1);
	AA032A Aa32\R270	0 WB;	

Table II – Summary numbers for sample documents

- **FILE.** Name of file containing MdC transcription.
- **UNICODE (2009).** Number of instances of hieroglyphs already available in Unicode (excluding number and enclosures such as cartouche).
- **NON-UNICODE.** Number of instances of hieroglyphs not in Unicode (2009).
- **CANDIDATES.** Number of instances of hieroglyphs in the Hypothetical candidate set of 200.
- **SOURCE.** Source of the transcription file (all are freely available online).

Note. MdC combinations and transforms are omitted here if not expansion candidates. Most of these are ambiguous or unsatisfactory transcriptions best addressed by updating source data but may occasionally result in undercounting non-Unicode (2009) hieroglyphs. Refer to web app for more detailed analysis.

FILE	UNICODE (2009)	NON- UNICODE	CANDIDATES	SOURCE
Abydos, grande inscription				
dedicatoire.gly	8029	83	65	JSesh5.5
abydos-RII-procession.gly	614	17	13	JSesh5.5
ahmose.jsesh	2199	2	2	Gabor Toth
amenemope.hie	10516	3	0	JSesh5.5
AtenHymn.gly	1997	26	14	JSesh5.5
balat3686.gly	74	2	0	JSesh5.5
berlin1204.gly	1025	0	0	JSesh5.5
berlin2081.gly	479	5	0	JSesh5.5
blinding_of_truth.gly	3318	2	0	JSesh5.5
bln6.gly	85	0	0	JSesh5.5
bod17.gly	6222	355	316	JSesh5.5
brycetablet.gly	186	1	0	JSesh5.5
c300.gly	155	0	0	JSesh5.5
caire_je_67573.gly	63	2	0	JSesh5.5
cb02.gly	3361	0	0	JSesh5.5
cgc25515extraits.gly	289	0	0	JSesh5.5
ct160s2p.gly	635	0	0	JSesh5.5
ct404b5c.gly	927	1	0	JSesh5.5
ct885.gly	195	0	0	JSesh5.5
djhoutymes.gly	277	4	0	JSesh5.5
doomedprince.gly	4632	0	0	JSesh5.5
ebers63.gly	70	0	0	JSesh5.5
EloquentPeasant.mdc	10301	0	0	Jenny Carrington (2004)
graffitomt1400.gly	15	0	0	JSesh5.5
graffitotombe321.gly	86	0	0	JSesh5.5
hammat19v.gly	279	0	0	JSesh5.5
horusandseth.gly	14016	3	1	JSesh5.5
hs174.gly	121	2	0	JSesh5.5
hs44.gly	64	0	0	JSesh5.5
ineni.gly	3556	26	0	JSesh5.5
israel.gly	3175	47	8	JSesh5.5
JdE28569.jsesh	363	2	1	Gabor Toth
kagemni.jsesh	839	2	1	Gabor Toth
kagemnisethe.gly	755	1	0	JSesh5.5
kah10.gly	187	0	0	JSesh5.5

kamose.jsesh	2166	4	3	Gabor Toth
kanais.gly	3505	15	11	JSesh5.5
kanais.jsesh	3630	19	15	Gabor Toth
khakhepereseneb.gly	1683	5	0	JSesh5.5
Khetty.jsesh	715	2	2	Gabor Toth
khu_sobek.jsesh	795	7	0	Gabor Toth
lebensmuede.gly	1965	0	0	JSesh5.5
Louvre_stela_271.jsesh	532	3	2	Gabor Toth
louvre25550.gly	122	2	0	JSesh5.5
louvrec14.gly	630	3	1	JSesh5.5
louvrec26.gly	2438	16	0	JSesh5.5
louvree11178a.gly	268	0	0	JSesh5.5
louvree116a.gly	172	3	0	JSesh5.5
louvren3026.gly	163	1	0	JSesh5.5
lrl07.gly	477	0	0	JSesh5.5
lrl19.gly	267	0	0	JSesh5.5
lrl28.gly	2689	5	5	JSesh5.5
lrl38.gly	306	0	0	JSesh5.5
lrl47.gly	857	0	0	JSesh5.5
mankind.gly	1963	1	0	JSesh5.5
mentuhotepUC14333.jsesh	688	1	0	Gabor Toth
merer_cracow.jsesh	476	8	0	Gabor Toth
naufage.gly	3455	0	0	JSesh5.5
Naunakhte1.gly	1710	31	0	JSesh5.5
Naunakhte4.gly	663	32	2	JSesh5.5
neferhotep.gly	2400	8	0	JSesh5.5
neferti0.jsesh	2913	6	2	Gabor Toth
oberlin12398.gly	449	0	0	JSesh5.5
obruyellese305.gly	205	0	0	JSesh5.5
ocaire25338.gly	716	3	0	JSesh5.5
ocaire25589.gly	246	0	0	JSesh5.5
ocaire50729.gly	98	0	0	JSesh5.5
odm0118.hie	170	0	0	JSesh5.5
odm0119.hie	80	1	1	JSesh5.5
odm0123.hie	109	0	0	JSesh5.5
odm0132.hie	138	0	0	JSesh5.5
odm0235.hie	221	0	0	JSesh5.5
odm0246.gly	100	0	0	JSesh5.5
odm0303.hie	315	0	0	JSesh5.5
odm0446.hie	278	0	0	JSesh5.5
odm0580.gly	397	3	0	JSesh5.5
odm0607.hie	32	0	0	JSesh5.5
odm1251.hie	654	0	0	JSesh5.5
odm1610.hie	453	0	0	JSesh5.5
oflorence2616.hie	767	1	0	JSesh5.5
oflorence2617.hie	514	2	0	JSesh5.5
ogardiner004.hie	203	0	0	JSesh5.5
ogardiner185.hie	116	0	0	JSesh5.5
ogardiner67.hie	159	0	0	JSesh5.5

ogardineroracle.hie	37	0	0	JSesh5.5
oletellier.hie	226	0	0	JSesh5.5
olouvre667.hie	532	0	0	JSesh5.5
omond179.hie	75	0	0	JSesh5.5
opetrie34.hie	284	0	0	JSesh5.5
opetrie65.hie	42	0	0	JSesh5.5
ounamon.hie	8665	4	0	JSesh5.5
ouniversitycollege.hie	347	0	0	JSesh5.5
ovienne3722a.hie	226	0	0	JSesh5.5
ovienneh9.hie	82	0	0	JSesh5.5
P_Harris_I_Introduction.gly	633	16	12	JSesh5.5
P_Harris_I_Supplique, Thebes.gly	1242	30	28	JSesh5.5
P_Harris_I_Thebes, Liste A.gly	1109	12	9	JSesh5.5
P_Harris_I_Thebes, Liste B.gly	714	9	4	JSesh5.5
P_Harris_I_Thebes, Liste C.gly	1792	16	6	JSesh5.5
P_Harris_I_Thebes, Liste D.gly	153	5	2	JSesh5.5
P_Harris_I_Thebes, Liste E.gly	2022	17	13	JSesh5.5
P_Harris_I_Thebes, Liste F.gly	118	0	0	JSesh5.5
P_Harris_I_Vignette Thebes, pl.gly	96	12	2	JSesh5.5
pacherereniset.hie	184	0	0	JSesh5.5
panastasi05-09-2-10-2.gly	454	4	1	JSesh5.5
paouah.gly	774	2	0	JSesh5.5
pbankesi.hie	1057	0	0	JSesh5.5
pbankesii.hie	204	0	0	JSesh5.5
pberlin10463.gly	541	6	0	JSesh5.5
pberlin11238.hie	262	0	0	JSesh5.5
pberlin3053.hie	87	0	0	JSesh5.5
pberlin8523.hie	599	2	0	JSesh5.5
pbm10055-psalt124.gly	3308	1	0	JSesh5.5
pbm10326.hie	1282	6	2	JSesh5.5
pbm10373.hie	494	0	0	JSesh5.5
pbm10416.hie	768	0	0	JSesh5.5
pbm10731.hie	405	0	0	JSesh5.5
pbol1094.hie	376	0	0	JSesh5.5
pcaire58055.gly	489	3	0	JSesh5.5
pcaire58059.hie	554	0	0	JSesh5.5
pcb03recto4seq.hie	1382	3	0	JSesh5.5
PDM02.gly	589	2	0	JSesh5.5
PDM03.gly	309	3	0	JSesh5.5
PDM04.gly	691	8	0	JSesh5.5
PDM05.gly	362	4	1	JSesh5.5
PDM06.gly	488	12	0	JSesh5.5
PDM07.gly	493	5	1	JSesh5.5
PDM08.gly	576	7	3	JSesh5.5
PDM09.gly	183	5	0	JSesh5.5
PDM10.gly	434	12	1	JSesh5.5
PDM11.gly	285	4	1	JSesh5.5
PDM12.gly	284	5	2	JSesh5.5
PDM13.gly	160	2	0	JSesh5.5

PDM14.gly	100	1	1	JSesh5.5
PDM15.gly	118	1	0	JSesh5.5
PDM16.gly	183	2	1	JSesh5.5
PDM17.gly	66	0	0	JSesh5.5
PDM18.gly	293	8	3	JSesh5.5
PDM19.gly	161	3	0	JSesh5.5
PDM20.gly	79	2	0	JSesh5.5
PDM21.gly	143	1	0	JSesh5.5
PDM22.gly	132	2	0	JSesh5.5
PDM23.gly	518	31	0	JSesh5.5
PDM24.gly	299	4	0	JSesh5.5
PDM25.gly	679	35	0	JSesh5.5
pdm27.gly	619	2	1	JSesh5.5
PDM28.gly	783	3	0	JSesh5.5
PDM29.gly	440	5	4	JSesh5.5
PDM30.gly	96	1	0	JSesh5.5
PDM31.gly	214	6	0	JSesh5.5
PDM32.gly	69	7	0	JSesh5.5
PDM34.gly	224	3	1	JSesh5.5
PDM39.gly	726	6	2	JSesh5.5
penboui8.gly	491	9	7	JSesh5.5
pentaour.gly	8565	65	23	JSesh5.5
pgurobiii1recto.hie	634	0	0	JSesh5.5
pnevill.gly	487	5	0	JSesh5.5
PNorthumberland1.gly	824	23	8	JSesh5.5
poet.jsesh	1694	3	2	Gabor Toth
poidsdeqenna.hie	29	0	0	JSesh5.5
poidsgardiner12.hie	38	0	0	JSesh5.5
porbiney.gly	12192	0	0	JSesh5.5
ppushkine167.hie	461	0	0	JSesh5.5
prifaudf.hie	402	0	0	JSesh5.5
procesduventre.gly	625	0	0	JSesh5.5
psalt124.hie	3313	0	0	JSesh5.5
pturin1887.gly	4497	62	4	JSesh5.5
pvalancay1.gly	949	11	3	JSesh5.5
sethanat.hie	1079	0	0	JSesh5.5
sethelest7.gly	4057	1	0	JSesh5.5
sethnakhtelephantine.gly	780	2	0	JSesh5.5
shipwreck.jsesh	3404	0	0	Gabor Toth
sinuhe.gly	9826	30	17	JSesh website
stela400years.gly	682	2	0	JSesh5.5
steleboston25632.gly	570	2	0	JSesh5.5
steleKamose.gly	3737	10	5	JSesh5.5
vasegrenade.gly	147	0	0	JSesh5.5
weni.gly	2579	52	25	JSesh5.5
westcar.gly	9524	9	3	JSesh5.5
WienKHM_AS_125.gly	138	9	4	JSesh5.5

TOTALS	237308	1403	667	
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Appendix. All Repertoire Analysis reports (Web app version 2016-10-26)

abydos-RII-procession.gly

Non-Unicode: HG-R8A (1) (ExpansionA candidate R008A)

Non-Unicode: HG-A40E (4) (ExpansionA candidate A040E)

Non-Unicode: HG-B7B (2)

Non-Unicode: HG-A40C (4) (ExpansionA candidate A040C)

Non-Unicode: HG-T16\R90 (1)

Non-Unicode: HG-F63 (1) (ExpansionA candidate F8000)

Non-Unicode: HG-C118 (1)

Non-Unicode: HG-F51B (3) (ExpansionA candidate F051D)

MdC Transform: W9\ (1) (Equivalent to W009A)

Abydos, grande inscription dedicatoire.gly

Non-Unicode: HG-F63 (13) (ExpansionA candidate F8000)

Non-Unicode: HG-P8h (7) (ExpansionA candidate P008A)

Non-Unicode: HG-N6B (1)

Non-Unicode: HG-R10A (4) (ExpansionA candidate R8000)

Non-Unicode: HG-A51A (4) (ExpansionA candidate A051A)

Non-Unicode: HG-R36 (1)

Non-Unicode: HG-W17A (1) (ExpansionA candidate W017C)

Non-Unicode: HG-R42 (1)

Non-Unicode: HG-O42C (2)

Non-Unicode: HG-T22A (5) (ExpansionA candidate T022B)

Non-Unicode: HG-M134 (1)

Non-Unicode: HG-I64 (3) (ExpansionA candidate I8000)

Non-Unicode: HG-R8A (11) (ExpansionA candidate R008A)

Non-Unicode: HG-A40D (1) (ExpansionA candidate A040D)

Non-Unicode: HG-K18 (1) (ExpansionA candidate K8001)

Non-Unicode: HG-F51B (7) (ExpansionA candidate F051D)

Non-Unicode: HG-D200 (1)

Non-Unicode: HG-O11A (1)

Non-Unicode: HG-N104 (1) (ExpansionA candidate N8003)

Non-Unicode: HG-B24 (1) (ExpansionA candidate B8001)

Non-Unicode: HG-M162 (2)

Non-Unicode: HG-T34\ (1) (ExpansionA candidate T034A)

Non-Unicode: HG-O137 (1)

Non-Unicode: HG-V5\R270 (1)

Non-Unicode: HG-A45A (1)

Non-Unicode: HG-W17D (3) (ExpansionA candidate W017B)

Non-Unicode: HG-O229 (1)

Non-Unicode: HG-U30A (1) (ExpansionA candidate U030A)

Non-Unicode: HG-P4B (1) (ExpansionA candidate P004A)

Non-Unicode: HG-S113 (1) (ExpansionA candidate S8000)

Non-Unicode: HG-O23K (1)

Non-Unicode: HG-P46 (1)

Non-Unicode: HG-A40\ (1) (ExpansionA candidate A040B)

MdC Transform: .\ (2)

MdC Transform: C2\ (4) (Equivalent to C002C)

MdC Transform: ..\ (1)

MdC Transform: D51\ (1)

MdC Transform: N33A\R90 (2)

MdC Transform: W24\ (1)

MdC Transform: N14\0 (3)

MdC Transform: U22\R180 (2)

MdC Transform: Z1\ (1)

ahmose.jsesh
 Non-Unicode: HG-R8A (1) (ExpansionA candidate R008A)
 Non-Unicode: HG-A276 (1) (ExpansionA candidate A8005)
 MdC Transform: Aa11\R270 (1)
 MdC Transform: Aa7\ (6) (Equivalent to AA007A)
 amenemope.hie
 Non-Unicode: HG-M3\R90 (1) (ExpansionA candidate M003B)
 Non-Unicode: HG-N12\R90 (1) (ExpansionA candidate N012A)
 Non-Unicode: HG-N12\R180 (1) (ExpansionA candidate N012C)
 MdC Transform: V31\ (258) (Equivalent to V031A)
 MdC Transform: D21\70 (1)
 MdC Transform: X1\70 (1)
 AtenHymn.gly
 Non-Unicode: HG-O23P (1)
 Non-Unicode: HG-M17\ (2) (ExpansionA candidate M017B)
 Non-Unicode: HG-D35A (4) (ExpansionA candidate D035A)
 Non-Unicode: HG-D4\ (1)
 Non-Unicode: HG-Z4\ (1)
 Non-Unicode: HG-S29\ (2) (ExpansionA candidate S029A)
 Non-Unicode: HG-N46 (1) (ExpansionA candidate N8000)
 Non-Unicode: HG-F51B (9) (ExpansionA candidate F051D)
 Non-Unicode: HG-G49E (1)
 Non-Unicode: HG-G24A (1)
 Non-Unicode: HG-U22\R270 (1) (ExpansionA candidate U022A)
 Non-Unicode: HG-W15\ (1) (ExpansionA candidate W015A)
 Non-Unicode: HG-V5\R90 (1)
 MdC Transform: V30\I (27)
 MdC Transform: V7\225 (1)
 MdC Transform: O1\75 (1)
 MdC Transform: N27\160 (2)
 MdC Transform: T21\I (7)
 MdC Transform: N28\120 (2)
 MdC Transform: 3\90 (2)
 MdC Transform: D46\70 (1)
 MdC Transform: I9\95 (1)
 MdC Transform: V31\I (6)
 MdC Transform: N1\I (1)
 MdC Transform: V31\60 (1)
 MdC Transform: N27\150 (1)
 MdC Transform: N21\65 (6)
 MdC Transform: V13\I (1)
 MdC Transform: N8\95 (1)
 MdC Transform: 3\130 (1)
 MdC Transform: N21\75 (1)
 MdC Transform: D21\I (8)
 MdC Transform: D4\I (4)
 MdC Transform: N35\I (4)
 MdC Transform: 3\50 (1)
 MdC Transform: D4\200 (1)
 MdC Transform: O4\140 (1)
 MdC Transform: S23\120 (1)
 MdC Transform: O1\120 (2)
 MdC Transform: Z4A\80 (2)
 MdC Transform: 3\55 (1)
 MdC Transform: 1\80 (2)

MdC Transform: A121C\I (1)
 MdC Transform: X1\110 (2)
 MdC Transform: 3\80 (1)
 MdC Transform: I6\140 (1)
 MdC Transform: O29\R90 (1)
 MdC Transform: O4\120 (2)
 MdC Transform: N35A\I (4)
 MdC Transform: N26\110 (1)
 MdC Transform: D40\I (1)
 MdC Transform: D36\I (2)
 MdC Transform: N25\140 (1)
 MdC Transform: N14\140 (1)
 MdC Transform: X1\I (1)
 MdC Transform: O1\60 (1)
 MdC Transform: U7\I (1)
 MdC Transform: O1\140 (1)
 MdC Transform: I9\I (1)
 MdC Transform: D54\110 (1)
 MdC Transform: O49\120 (1)
 MdC Transform: 3\70 (1)
 MdC Transform: 3\85 (1)
 MdC Transform: Z9\120 (1)
 MdC Transform: N5\120 (1)
 MdC Transform: R4\I (3)
 MdC Transform: E34\I (1)
 MdC Transform: D54\140 (1)
 MdC Transform: Aa15\I (1)
 MdC Transform: O1\110 (1)
 balat3686.gly
 Non-Unicode: HG-A376(2)
 berlin1204.gly
 MdC Transform: Aa11\R270 (1)
 berlin2081.gly
 Non-Unicode: HG-T16\R270 (1)
 Non-Unicode: HG-S29\ (1) (ExpansionA candidate S029A)
 Non-Unicode: HG-P8\R90(2) (ExpansionA candidate P008B)
 Non-Unicode: HG-H6\ (1)
 blinding_of_truth.gly
 Non-Unicode: XX-Ff100(1)
 Non-Unicode: XX-Ff101(1)
 MdC Transform: Z1\200 (5)
 MdC Transform: V31\ (24) (Equivalent to V031A)
 MdC Transform: N11\red\I (1)
 MdC Transform: 1\200 (1)
 MdC Transform: .\1 (2)
 bln6.gly
 bod17.gly
 Non-Unicode: HG-G17A (184) (ExpansionA candidate G017A)
 Non-Unicode: HG-N104 (7) (ExpansionA candidate N8003)
 Non-Unicode: HG-U39D (1)
 Non-Unicode: HG-G81 (3) (ExpansionA candidate G8000)
 Non-Unicode: HG-F51\\R90 (1) (ExpansionA candidate F051F)
 Non-Unicode: HG-A54\ (2)
 Non-Unicode: HG-R8A (12) (ExpansionA candidate R008A)
 Non-Unicode: HG-A48A (5) (ExpansionA candidate A048A)

Non-Unicode: HG-K4A (3) (ExpansionA candidate K004A)
 Non-Unicode: HG-N46B (8) (ExpansionA candidate N046B)
 Non-Unicode: HG-I64 (18) (ExpansionA candidate I8000)
 Non-Unicode: HG-O9B (1)
 Non-Unicode: HG-F51\ (1) (ExpansionA candidate F051G)
 Non-Unicode: HG-G167 (1)
 Non-Unicode: HG-V87 (1)
 Non-Unicode: HG-F51B (6) (ExpansionA candidate F051D)
 Non-Unicode: HG-Q2\ (8) (ExpansionA candidate Q002A)
 Non-Unicode: HG-G234 (2) (ExpansionA candidate G8006)
 Non-Unicode: HG-N33Av (3) (ExpansionA candidate N033B)
 Non-Unicode: HG-G20B (2)
 Non-Unicode: HG-N135 (2)
 Non-Unicode: HG-G172 (2) (ExpansionA candidate G8003)
 Non-Unicode: HG-D283 (1)
 Non-Unicode: HG-G191 (5) (ExpansionA candidate G8004)
 Non-Unicode: HG-U39I (2) (ExpansionA candidate U039A)
 Non-Unicode: HG-D3A (7) (ExpansionA candidate D003A)
 Non-Unicode: HG-N4A (1) (ExpansionA candidate N004A)
 Non-Unicode: HG-U23B (2)
 Non-Unicode: HG-D143 (1) (ExpansionA candidate D8000)
 Non-Unicode: HG-K23 (1) (ExpansionA candidate K8002)
 Non-Unicode: HG-E100A (2)
 Non-Unicode: HG-A51A (3) (ExpansionA candidate A051A)
 Non-Unicode: HG-D237 (1)
 Non-Unicode: HG-Q7A (9) (ExpansionA candidate Q007A)
 Non-Unicode: HG-W17A (3) (ExpansionA candidate W017C)
 Non-Unicode: HG-N3A (5) (ExpansionA candidate N003A)
 Non-Unicode: HG-D197 (1) (ExpansionA candidate D8003)
 Non-Unicode: HG-M46 (2) (ExpansionA candidate M8000)
 Non-Unicode: HG-P4A (1)
 Non-Unicode: HG-G20A (5) (ExpansionA candidate G020A)
 Non-Unicode: HG-Aa23H (1)
 Non-Unicode: HG-W18A (4) (ExpansionA candidate W018B)
 Non-Unicode: HG-Z1A (1)
 Non-Unicode: HG-V7\R90 (1)
 Non-Unicode: HG-W21A (1)
 Non-Unicode: HG-V84 (1) (ExpansionA candidate V8000)
 Non-Unicode: HG-A311 (1) (ExpansionA candidate A8006)
 Non-Unicode: HG-B51 (4) (ExpansionA candidate B8002)
 Non-Unicode: HG-N30A (3) (ExpansionA candidate N030A)
 Non-Unicode: HG-T102 (2)
 Non-Unicode: HG-P67 (1)
 Non-Unicode: HG-E5A (1)
 Non-Unicode: HG-S17A (4) (ExpansionA candidate S017B)
 Non-Unicode: HG-V5\R90 (1)
 Non-Unicode: HG-G248 (1) (ExpansionA candidate G8007)
 Non-Unicode: HG-M30\ (1)
 Non-Unicode: HG-R31 (1)
 Non-Unicode: HG-C1A (1)
 MdC Transform: Y1\R90 (37) (Equivalent to Y001A)
 MdC Transform: P8\R90 (7)
 MdC Transform: N14\65 (1)
 MdC Transform: N14\70 (5)
 MdC Transform: N14\75 (1)

MdC Transform: N14\60 (1)
 MdC Transform: O4\80 (2)
 MdC Transform: O1\70 (3)
 MdC Transform: X1\80 (10)
 MdC Transform: Aa11\R270 (1)
 MdC Transform: O1\80 (5)
 MdC Transform: X1\90 (1)
 MdC Transform: Q3\80 (1)
 MdC Transform: X1\70 (2)
 MdC Transform: N33\130 (1)
 MdC Transform: O49\85 (1)
 MdC Transform: O1\75 (1)
 MdC Transform: O29\R90 (1)
 MdC Transform: N5\80 (1)
 MdC Transform: W24\75 (1)
 MdC Transform: W24\80 (1)
 brycetablet.gly
 Non-Unicode: XX-Ff304 (1)
 MdC Transform: V20\R270 (2)
 MdC Transform: 3\R270 (1)
 MdC Transform: Z4A\R270 (1)
 MdC Transform: O29\R90 (1)
 c300.gly
 caire_je_67573.gly
 Non-Unicode: HG-S116 (1)
 Non-Unicode: HG-R88 (1)
 cb02.gly
 cgc25515extraits.gly
 MdC Transform: V20\R270 (8)
 MdC Transform: 1\R270 (4)
 MdC Transform: D36\60 (2)
 MdC Transform: Y1\60 (1)
 MdC Transform: Z7\60 (1)
 ct160s2p.gly
 ct404b5c.gly
 Non-Unicode: XX-#24 (1)
 ct885.gly
 djhoutymes.gly
 Non-Unicode: HG-U1\ (1)
 Non-Unicode: HG-Aa30\R270 (1) (ExpansionA candidate AA030A)
 Non-Unicode: HG-P8\R90 (2) (ExpansionA candidate P008B)
 doomedprince.gly
 MdC Transform: D21\60 (1)
 MdC Transform: D46\60 (1)
 ebers63.gly
 EloquentPeasant.mdc
 graffitomt1400.gly
 graffitotombe321.gly
 MdC Transform: V20\R270 (1)
 MdC Transform: D36\60 (1)
 MdC Transform: Y1\60 (1)
 hammamat19v.gly
 horusandseth.gly
 Non-Unicode: HG-V10\R90 (1) (ExpansionA candidate V010A)
 Non-Unicode: HG-R8A (1) (ExpansionA candidate R008A)

Non-Unicode: XX-Ff101 (1)
 MdC Transform: Z3A\I (1)
 MdC Transform: V31\ (40) (Equivalent to V031A)
 hs174.gly
 Non-Unicode: HG-V20\R90 (1)
 Non-Unicode: XX-Ff100 (1)
 hs44.gly
 MdC Transform: 1\R270 (1)
 ineni.gly
 Non-Unicode: HG-T21\R270 (1)
 Non-Unicode: HG-U31\R270 (1)
 Non-Unicode: HG-T9\R270 (1)
 Non-Unicode: HG-M3\R270 (2)
 Non-Unicode: HG-U22\R270 (2) (ExpansionA candidate U022A)
 Non-Unicode: HG-Aa11\R90 (7) (ExpansionA candidate AA011B)
 Non-Unicode: HG-O31\R270 (1) (ExpansionA candidate O031A)
 Non-Unicode: HG-P8\R90 (8) (ExpansionA candidate P008B)
 Non-Unicode: HG-U22\R90 (1) (ExpansionA candidate U022B)
 Non-Unicode: HG-F51\R90 (1) (ExpansionA candidate F051F)
 Non-Unicode: HG-O29\R180 (1)
 MdC Transform: N33A\R90 (2)
 MdC Transform: N33A\R270 (1) (Equivalent to Z002B)
 MdC Transform: Aa11\R360 (1)
 MdC Transform: F46\R180 (1)
 MdC Combination: Hwt##D (1)
 MdC Combination: iAm##xt (2)
 israel.gly
 Non-Unicode: HG-C102\ (14) (ExpansionA candidate C8000B)
 Non-Unicode: HG-O42\ (1)
 Non-Unicode: HG-F63 (2) (ExpansionA candidate F8000)
 Non-Unicode: HG-C18A (1) (ExpansionA candidate C018A)
 Non-Unicode: HG-O42A (2) (ExpansionA candidate O042A)
 Non-Unicode: HG-U6\ (16) (ExpansionA candidate U006C)
 Non-Unicode: HG-A82 (1)
 Non-Unicode: HG-V4\ (2)
 Non-Unicode: HG-F51\R90 (1) (ExpansionA candidate F051F)
 Non-Unicode: HG-N46 (2) (ExpansionA candidate N8000)
 Non-Unicode: HG-A223 (1) (ExpansionA candidate A8004)
 Non-Unicode: HG-A311A (1)
 Non-Unicode: XX-US1E162VARA (2)
 Non-Unicode: XX-US1F132VARA (1)
 MdC Transform: C2\ (3) (Equivalent to C002C)
 MdC Transform: .\25 (6)
 MdC Transform: N11\70 (1)
 MdC Transform: N35\50 (1)
 MdC Transform: Aa11\R270 (1)
 MdC Transform: U7\R70 (4)
 MdC Transform: C12\ (9) (Equivalent to C013)
 MdC Transform: 1\70 (13)
 MdC Transform: N21\70 (1)
 MdC Transform: Z1\70 (21)
 MdC Transform: O49\70 (1)
 MdC Transform: U32\sic (1)
 MdC Transform: Aa15\I (1)
 MdC Transform: N35\I (1)

MdC Transform: V4\sic (1)
 MdC Transform: G1\ainsi (1)
 MdC Transform: N5\50 (1)
 MdC Transform: O29\R90 (1)
 MdC Transform: I9\sic (1)
 MdC Transform: D58\144 (1)
 MdC Transform: Aa15\144 (5)
 MdC Transform: N35\120 (1)
 MdC Transform: Aa15\120 (1)
 MdC Transform: N35\144 (4)
 MdC Transform: U33\144 (1)
 MdC Transform: V28\144 (1)
 MdC Transform: V30\144\I (1)
 MdC Transform: Aa15\144\I (1)
 MdC Transform: Y5\144 (1)
 MdC Transform: W9\ (1) (Equivalent to W009A)
 MdC Transform: N16\144 (3)
 kagemnissethe.gly
 Non-Unicode: HG-F51\R270 (1)
 MdC Transform: Y3\ (2)
 MdC Transform: 3\50 (1)
 kagemni.jsesh
 Non-Unicode: HG-T30A (1) (ExpansionA candidate T030A)
 Non-Unicode: HG-F51\R270 (1)
 MdC Transform: Y3\ (2)
 MdC Transform: 3\50 (1)
 kah10.gly
 kamose.jsesh
 Non-Unicode: HG-N34\ (1) (ExpansionA candidate N034B)
 Non-Unicode: HG-O48A (2) (ExpansionA candidate O048A)
 Non-Unicode: HG-A78 (1) (ExpansionA candidate A8001)
 kanais.gly
 Non-Unicode: HG-M127 (2) (ExpansionA candidate M8001)
 Non-Unicode: HG-R8A (9) (ExpansionA candidate R008A)
 Non-Unicode: HG-T9A\R90 (1) (ExpansionA candidate T009C)
 Non-Unicode: HG-S29\ (1) (ExpansionA candidate S029A)
 Non-Unicode: HG-Aa15\ (1) (ExpansionA candidate AA015A)
 Non-Unicode: XX-#2 (1)
 MdC Transform: 3\45 (3)
 MdC Transform: .\20 (1)
 MdC Transform: .\1 (2)
 MdC Transform: Aa15\150\I (1)
 MdC Transform: M3\150\I (1)
 MdC Transform: D21\I (1)
 MdC Transform: Aa1\60 (1)
 MdC Transform: 1\50 (6)
 MdC Transform: X1\50 (5)
 MdC Transform: N16\120 (1)
 MdC Transform: N35\144 (1)
 kanais.jsesh
 Non-Unicode: HG-M127 (2) (ExpansionA candidate M8001)
 Non-Unicode: HG-R8A (13) (ExpansionA candidate R008A)
 Non-Unicode: HG-T9A\R90 (1) (ExpansionA candidate T009C)
 Non-Unicode: HG-S29\ (1) (ExpansionA candidate S029A)
 Non-Unicode: HG-Aa15\ (1) (ExpansionA candidate AA015A)

Non-Unicode: XX-#2 (1)
 MdC Transform: 3\45 (3)
 MdC Transform: .\20 (1)
 MdC Transform: .\1 (2)
 MdC Transform: Aa15\150\l (1)
 MdC Transform: M3\150\l (1)
 MdC Transform: D21\l (1)
 MdC Transform: Aa1\60 (1)
 MdC Transform: 1\50 (6)
 MdC Transform: M17\120 (1)
 MdC Transform: X1\50 (5)
 MdC Transform: N16\120 (1)
 MdC Transform: N35\144 (1)
 MdC Transform: Aa11\R270 (1)
 khakhepereseneb.gly
 Non-Unicode: HG-Aa18\ (3) (ExpansionA candidate AA018A)
 Non-Unicode: HG-T14\ (2) (ExpansionA candidate T014A)
 MdC Transform: V20\R270 (2)
 MdC Transform: 4\R270 (2)
 MdC Transform: 3\R270 (3)
 khu_sobek.jsesh
 Non-Unicode: HG-A211A (1)
 Non-Unicode: HG-T14A (1)
 Non-Unicode: HG-T10\R90 (1) (ExpansionA candidate T010A)
 Non-Unicode: HG-Aa11\R90 (3) (ExpansionA candidate AA011B)
 Non-Unicode: XX-N33AV (1)
 MdC Transform: O29\R90 (1)
 MdC Transform: Aa11\R270 (2)
 lebensmuede.gly
 louvre25550.gly
 Non-Unicode: XX-# (2)
 louvrec14.gly
 Non-Unicode: HG-B24 (1) (ExpansionA candidate B8001)
 Non-Unicode: XX-aAv (2)
 louvrec26.gly
 Non-Unicode: HG-T21\R90 (2) (ExpansionA candidate T021A)
 Non-Unicode: HG-Aa11\R270 (5) (ExpansionA candidate AA011C)
 Non-Unicode: HG-U24\ (1)
 Non-Unicode: HG-U22\R90 (1)
 Non-Unicode: HG-Aa11\R90 (2) (ExpansionA candidate AA011B)
 Non-Unicode: HG-U22\R90 (3) (ExpansionA candidate U022B)
 Non-Unicode: XX-LOC01 (1)
 Non-Unicode: XX-LOC02 (1)
 MdC Transform: Y3\ (6)
 MdC Transform: O29\R90 (1)
 MdC Transform: Z1\50 (1)
 MdC Transform: W24\50 (1)
 MdC Combination: T30##s (1)
 MdC Combination: sSm##s (2)
 louvree11178a.gly
 MdC Transform: D21\70 (1)
 MdC Transform: X1\70 (1)
 MdC Transform: O1\50 (2)
 MdC Transform: 1\50 (3)
 louvree116a.gly

Non-Unicode: HG-Aa15\ (2) (ExpansionA candidate AA015A)
 Non-Unicode: XX-US1Aa1000XT (1)
 MdC Transform: P8\R270 (1)
 Iouren3026.gly
 Non-Unicode: HG-P8\R90 (1) (ExpansionA candidate P008B)
 MdC Transform: F25\ (1)
 Irl07.gly
 Irl19.gly
 MdC Transform: O\30 (8)
 Irl28.gly
 Non-Unicode: HG-Z30 (2) (ExpansionA candidate Z8000)
 Non-Unicode: HG-F132 (1) (ExpansionA candidate F8001)
 Non-Unicode: HG-R8A (2) (ExpansionA candidate R008A)
 MdC Transform: O\30 (3)
 MdC Transform: O1\40 (2)
 MdC Transform: G7\40 (1)
 MdC Transform: O1\50 (2)
 MdC Transform: G7\50 (1)
 MdC Transform: 1\R270 (16)
 MdC Transform: V20\R270 (5)
 Irl38.gly
 MdC Transform: O\30 (2)
 Irl47.gly
 MdC Transform: O\30 (13)
 mankind.gly
 Non-Unicode: HG-W14\R270 (1) (ExpansionA candidate W014B)
 Naunakhte1.gly
 Non-Unicode: HG-F51\R90 (2) (ExpansionA candidate F051F)
 Non-Unicode: XX-Ff303 (2)
 Non-Unicode: XX-Ff100 (12)
 Non-Unicode: XX-sic (11)
 Non-Unicode: XX-Ff301 (2)
 Non-Unicode: XX-Ff302 (1)
 Non-Unicode: XX-Ff304 (1)
 MdC Transform: N5\R45 (1)
 MdC Transform: 3\R90 (2)
 MdC Transform: 2\R90 (1)
 MdC Transform: U6\R318 (1)
 MdC Transform: Z2\70 (3)
 MdC Transform: V20\R90 (1)
 MdC Transform: 4\R90 (1)
 MdC Transform: D54\ (1)
 Naunakhte4.gly
 Non-Unicode: HG-Z30 (1) (ExpansionA candidate Z8000)
 Non-Unicode: HG-F51B (1) (ExpansionA candidate F051D)
 Non-Unicode: XX-Ff100 (19)
 Non-Unicode: XX-sic (9)
 Non-Unicode: XX-Ff303 (1)
 Non-Unicode: XX-Ff101 (1)
 MdC Transform: V20\R90 (1)
 neferhotep.gly
 Non-Unicode: HG-S29\ (2) (ExpansionA candidate S029A)
 Non-Unicode: HG-P8\R90 (2) (ExpansionA candidate P008B)
 Non-Unicode: HG-M73 (1)
 Non-Unicode: HG-B48A (1)

Non-Unicode: XX-#4 (1)
 Non-Unicode: XX-#24 (1)
 MdC Transform: [[\R90 (2)
 MdC Transform:]]\R90 (2)
 MdC Transform: P8\R270 (4)
 MdC Transform: Aa11\R270 (3)
 MdC Transform: N33A\R270 (3) (Equivalent to Z002B)
 MdC Transform: Z2\40 (1)
 oberlin12398.gly
 obruxellese305.gly
 ocaire25338.gly
 Non-Unicode: HG-U22\R270 (1) (ExpansionA candidate U022A)
 Non-Unicode: HG-T8\R270 (1)
 Non-Unicode: XX-aAv (1)
 ocaire25589.gly
 MdC Transform: 1\R270 (14)
 MdC Transform: V20\R270 (1)
 ocaire50729.gly
 MdC Transform: O1\50 (2)
 odm0118.hie
 odm0119.hie
 Non-Unicode: HG-R8A (1) (ExpansionA candidate R008A)
 odm0123.hie
 odm0132.hie
 odm0235.hie
 odm0246.gly
 odm0303.hie
 odm0446.hie
 odm0580.gly
 Non-Unicode: XX-?300 (3)
 odm0607.hie
 odm1251.hie
 MdC Transform: D21\60 (2)
 MdC Transform: X1\50 (2)
 MdC Combination: iAm##xt (1)
 odm1610.hie
 MdC Transform: O\50 (38)
 MdC Transform: W24\50 (1)
 MdC Transform: A1\50 (1)
 MdC Transform: O\10 (2)
 MdC Transform: N28\l (2)
 oflorence2616.hie
 Non-Unicode: HG-F51\\R270 (1)
 MdC Transform: D21\70 (3)
 MdC Transform: X1\70 (3)
 oflorence2617.hie
 Non-Unicode: HG-F51\\R270 (1)
 Non-Unicode: XX-<e (1)
 MdC Transform: D21\60 (1)
 MdC Transform: X1\60 (1)
 ogardiner004.hie
 MdC Transform: V20\R270 (2)
 MdC Transform: 1\R270 (8)
 ogardiner185.hie
 MdC Transform: V20\R270 (1)

ogardiner67.hie
 ogardineroracle.hie
 oletellier.hie
 olouvre667.hie
 MdC Transform: D21\60 (2)
 MdC Transform: X1\60 (2)
 omond179.hie
 MdC Transform: V20\R270 (2)
 MdC Transform: 1\R270 (3)
 opetrie34.hie
 MdC Transform: V20\R270 (9)
 MdC Transform: Z1\R270 (6)
 MdC Transform: 1\R270 (17)
 opetrie65.hie
 ounamon.hie
 Non-Unicode: HG-M111A (1)
 Non-Unicode: HG-W15\ (1) (ExpansionA candidate W015A)
 Non-Unicode: XX-Z98A (2)
 MdC Transform: V20\R270 (1)
 MdC Transform: O\30 (248)
 MdC Transform: V28\ (1)
 ouniversitycollege.hie
 MdC Transform: V20\R270 (2)
 MdC Transform: 1\R270 (4)
 ovienne3722a.hie
 MdC Transform: D21\70 (1)
 MdC Transform: X1\70 (1)
 ovienneh9.hie
 P_Harris_I_Introduction.gly
 Non-Unicode: HG-R8A (7) (ExpansionA candidate R008A)
 Non-Unicode: HG-U39I (1) (ExpansionA candidate U039A)
 Non-Unicode: HG-I80 (4) (ExpansionA candidate I8001)
 Non-Unicode: XX-"sic" (3)
 Non-Unicode: XX-Ff301 (1)
 MdC Transform: [[\70 (1)
 MdC Transform:]]\70 (1)
 MdC Transform:]]\ (4)
 P_Harris_I_Supplique, Thebes.gly
 Non-Unicode: HG-A42A (13) (ExpansionA candidate A042B)
 Non-Unicode: HG-R8A (4) (ExpansionA candidate R008A)
 Non-Unicode: HG-F51B (4) (ExpansionA candidate F051D)
 Non-Unicode: HG-A276 (1) (ExpansionA candidate A8005)
 Non-Unicode: HG-A21A (2) (ExpansionA candidate A021A)
 Non-Unicode: HG-G4A (1) (ExpansionA candidate G004A)
 Non-Unicode: HG-T30A (1) (ExpansionA candidate T030A)
 Non-Unicode: HG-Aa27D (2) (ExpansionA candidate AA027A)
 Non-Unicode: HG-F37B\ (1) (ExpansionA candidate F037B)
 Non-Unicode: XX-"sic" (1)
 MdC Transform: V31\ (29) (Equivalent to V031A)
 MdC Transform: N22\120\R270 (1)
 MdC Transform: F24\ (1)
 MdC Transform: F34\70 (4)
 MdC Transform: A15A\R315 (1)
 P_Harris_I_Thebes, Liste A.gly
 Non-Unicode: HG-R8A (5) (ExpansionA candidate R008A)

Non-Unicode: HG-A21A (4) (ExpansionA candidate A021A)
 Non-Unicode: XX-"sic" (3)
 MdC Transform: V31\ (5) (Equivalent to V031A)
 MdC Transform: S37A\ (1)
 MdC Transform: H8\70 (1)
 P_Harris_I_Thebes, Liste B.gly
 Non-Unicode: HG-A21A (1) (ExpansionA candidate A021A)
 Non-Unicode: HG-T58A (1)
 Non-Unicode: HG-F37B\ (2) (ExpansionA candidate F037B)
 Non-Unicode: HG-P4B (1) (ExpansionA candidate P004A)
 Non-Unicode: HG-V84 (2) (ExpansionA candidate V8000)
 Non-Unicode: XX-"sic" (2)
 MdC Transform: V31\ (10) (Equivalent to V031A)
 MdC Transform: F48\ (9)
 MdC Transform: V19\70 (1)
 MdC Transform: Z5\70 (1)
 P_Harris_I_Thebes, Liste C.gly
 Non-Unicode: HG-R8A (1) (ExpansionA candidate R008A)
 Non-Unicode: HG-G4A (5) (ExpansionA candidate G004A)
 Non-Unicode: HG-G124 (1)
 Non-Unicode: HG-F37B\ (2) (ExpansionA candidate F037B)
 Non-Unicode: HG-V10\R90 (1) (ExpansionA candidate V010A)
 Non-Unicode: XX-"sic" (5)
 Non-Unicode: XX-\70 (1)
 MdC Transform: H6\R330 (3)
 MdC Transform: V31\ (11) (Equivalent to V031A)
 MdC Transform: F48\ (33)
 MdC Transform: V19\70 (11)
 MdC Transform: J\70 (1)
 P_Harris_I_Thebes, Liste D.gly
 Non-Unicode: HG-R8A (2) (ExpansionA candidate R008A)
 Non-Unicode: XX-Ff301 (3)
 MdC Transform: V20\60 (2)
 MdC Transform: V19\70 (1)
 P_Harris_I_Thebes, Liste E.gly
 Non-Unicode: HG-R8A (2) (ExpansionA candidate R008A)
 Non-Unicode: HG-F51B (5) (ExpansionA candidate F051D)
 Non-Unicode: HG-A21A (1) (ExpansionA candidate A021A)
 Non-Unicode: HG-V84 (1) (ExpansionA candidate V8000)
 Non-Unicode: HG-G4A (1) (ExpansionA candidate G004A)
 Non-Unicode: HG-T30A (3) (ExpansionA candidate T030A)
 Non-Unicode: HG-F37B\ (3) (ExpansionA candidate F037B)
 Non-Unicode: XX-Ff301 (1)
 MdC Transform: V20\70\R270 (5)
 MdC Transform: 4\R90 (1)
 MdC Transform: V20\80 (2)
 MdC Transform: V20\70 (1)
 MdC Transform: 2\R90 (1)
 MdC Transform: V19\70 (28)
 MdC Transform: V31\ (11) (Equivalent to V031A)
 MdC Transform: Z5\80 (2)
 MdC Transform: Z5\70 (9)
 MdC Transform: F48\ (1)
 MdC Transform: V31\5 (2)
 P_Harris_I_Thebes, Liste F.gly

MdC Transform: F34\70 (2)
 MdC Transform: F48\R180 (3)
 P_Harris_I_Vignette Thebes, pl.gly
 Non-Unicode: HG-R19\ (2)
 Non-Unicode: HG-R8\ (1)
 Non-Unicode: HG-M23\ (2)
 Non-Unicode: HG-M17\ (2) (ExpansionA candidate M017B)
 Non-Unicode: HG-G36\ (1)
 Non-Unicode: HG-G14\ (1)
 Non-Unicode: HG-G17\ (1)
 Non-Unicode: HG-A42A (1) (ExpansionA candidate A042B)
 Non-Unicode: HG-R8A (1) (ExpansionA candidate R008A)
 MdC Transform: E23\ (1)
 pachereereniset.hie
 panastasi05-09-2-10-2.gly
 Non-Unicode: HG-R8A (1) (ExpansionA candidate R008A)
 Non-Unicode: XX-sic (1)
 Non-Unicode: XX-D54A (1)
 Non-Unicode: XX-Ff101 (1)
 MdC Transform: 4\R90 (2)
 paouah.gly
 Non-Unicode: XX-Ff100 (2)
 MdC Transform: V20\R270 (1)
 MdC Transform: V30\I (1)
 MdC Transform: N23\50 (2)
 MdC Transform: D46\200 (2)
 pbankesi.hie
 pbankesii.hie
 pberlin10463.gly
 Non-Unicode: HG-F37B\ (5) (ExpansionA candidate F037B)
 Non-Unicode: XX-Ff100 (1)
 MdC Transform: 1\200 (3)
 pberlin11238.hie
 MdC Transform: O\50 (12)
 pberlin3053.hie
 pberlin8523.hie
 Non-Unicode: HG-T14\ (2) (ExpansionA candidate T014A)
 pbm10055-psalt124.gly
 Non-Unicode: XX-Ff100 (1)
 MdC Transform: O\30 (11)
 MdC Combination: iAm###xt (1)
 pbm10326.hie
 Non-Unicode: HG-R8A (2) (ExpansionA candidate R008A)
 Non-Unicode: XX-<b (3)
 Non-Unicode: XX-<e (1)
 MdC Transform: V20\R270 (2)
 MdC Transform: 1\R270 (5)
 pbm10373.hie
 MdC Transform: O\30 (6)
 pbm10416.hie
 MdC Transform: Z2\R270 (4)
 pbm10731.hie
 pbol1094.hie
 pcaire58055.gly
 Non-Unicode: XX-"sic" (3)

pcaire58059.hie
 pcb03recto4seq.hie
 Non-Unicode: XX-Ff100(3)
 MdC Transform: O\50 (4)
 MdC Transform: Ff1\80 (3)
 PDM02.gly
 Non-Unicode: XX-sic(2)
 MdC Transform: N5\R45 (2)
 MdC Transform: V20\R270 (4)
 MdC Transform: 4\R90 (1)
 MdC Transform: 3\R90 (1)
 PDM03.gly
 Non-Unicode: XX-Ff100(2)
 Non-Unicode: XX-sic(1)
 PDM04.gly
 Non-Unicode: XX-Ff100(7)
 Non-Unicode: XX-#1234(1)
 PDM05.gly
 Non-Unicode: HG-M8A (1) (ExpansionA candidate M008A)
 Non-Unicode: XX-Ff100(3)
 PDM06.gly
 Non-Unicode: XX-Ff100(12)
 PDM07.gly
 Non-Unicode: HG-Z30(1) (ExpansionA candidate Z8000)
 Non-Unicode: XX-Ff100(4)
 MdC Transform: Z30\144\I (2)
 PDM08.gly
 Non-Unicode: HG-Z30(1) (ExpansionA candidate Z8000)
 Non-Unicode: HG-F132(1) (ExpansionA candidate F8001)
 Non-Unicode: HG-M8A (1) (ExpansionA candidate M008A)
 Non-Unicode: XX-Ff100(4)
 MdC Transform: Ff1\ (1)
 MdC Transform: D54\ (1)
 MdC Transform: N35\ (1)
 MdC Transform: [[\50 (2)
 MdC Transform:]]\50 (2)
 PDM09.gly
 Non-Unicode: XX-sic(1)
 Non-Unicode: XX-Ff100(3)
 Non-Unicode: XX-Ff101(1)
 PDM10.gly
 Non-Unicode: HG-R8A (1) (ExpansionA candidate R008A)
 Non-Unicode: XX-sic(2)
 Non-Unicode: XX-Ff100(6)
 Non-Unicode: XX-Ff101(2)
 Non-Unicode: XX-#1234(1)
 PDM11.gly
 Non-Unicode: HG-R8A (1) (ExpansionA candidate R008A)
 Non-Unicode: XX-sic(1)
 Non-Unicode: XX-Ff100(2)
 PDM12.gly
 Non-Unicode: HG-R8A (2) (ExpansionA candidate R008A)
 Non-Unicode: XX-sic(2)
 Non-Unicode: XX-Ff100(1)
 PDM13.gly

Non-Unicode: XX-Ff100(2)
 MdC Transform: N35\ (1)
 PDM14.gly
 Non-Unicode: HG-R8A (1) (ExpansionA candidate R008A)
 PDM15.gly
 Non-Unicode: XX-Ff100(1)
 PDM16.gly
 Non-Unicode: HG-R8A (1) (ExpansionA candidate R008A)
 Non-Unicode: XX-Ff100(1)
 MdC Transform: N5\119 (1)
 PDM17.gly
 PDM18.gly
 Non-Unicode: HG-R8A (3) (ExpansionA candidate R008A)
 Non-Unicode: XX-#34 (1)
 Non-Unicode: XX-Ff100(4)
 PDM19.gly
 Non-Unicode: XX-Ff100(2)
 Non-Unicode: XX-sic (1)
 PDM20.gly
 Non-Unicode: XX-Ff302(2)
 PDM21.gly
 Non-Unicode: XX-Ff101 (1)
 PDM22.gly
 Non-Unicode: XX-Ff100(1)
 Non-Unicode: XX-sic (1)
 PDM23.gly
 Non-Unicode: XX-sic (3)
 Non-Unicode: XX-Ff301 (26)
 Non-Unicode: XX-Ff100(2)
 PDM24.gly
 Non-Unicode: XX-Ff100(2)
 Non-Unicode: XX-sic (1)
 Non-Unicode: XX-Ff303 (1)
 MdC Transform: V20\\R90 (2)
 MdC Transform: 3\R90 (1)
 PDM25.gly
 Non-Unicode: XX-Ff100(3)
 Non-Unicode: XX-sic (1)
 Non-Unicode: XX-Ff301 (30)
 Non-Unicode: XX-Ff101 (1)
 MdC Transform: Ff101\\l (1)
 pdm27.gly
 Non-Unicode: HG-Z30(1) (ExpansionA candidate Z8000)
 Non-Unicode: XX-<b (1)
 PDM28.gly
 Non-Unicode: XX-Ff100(3)
 MdC Transform: N5\ (1)
 MdC Transform: V20\\R90 (1)
 MdC Transform: 4\R90 (2)
 PDM29.gly
 Non-Unicode: HG-Z30(3) (ExpansionA candidate Z8000)
 Non-Unicode: HG-R8A (1) (ExpansionA candidate R008A)
 Non-Unicode: XX-Ff303 (1)
 PDM30.gly
 Non-Unicode: XX-sic (1)

MdC Transform: V20\R90 (1)
 MdC Transform: V20\R270 (1)
 PDM31.gly
 Non-Unicode: XX-sic (2)
 Non-Unicode: XX-Ff100 (4)
 PDM32.gly
 Non-Unicode: XX-Ff303 (3)
 Non-Unicode: XX-Ff303\R90 (3)
 Non-Unicode: XX-Ff304 (1)
 MdC Transform: V20\R270 (2)
 MdC Transform: Ff304\R90 (1)
 PDM34.gly
 Non-Unicode: HG-R8A (1) (ExpansionA candidate R008A)
 Non-Unicode: XX-Ff100 (1)
 Non-Unicode: XX-#12 (1)
 PDM39.gly
 Non-Unicode: HG-O48A (2) (ExpansionA candidate O048A)
 Non-Unicode: HG-F37B (1) (ExpansionA candidate F037B)
 Non-Unicode: XX-sic (2)
 Non-Unicode: XX-Ff302 (1)
 MdC Transform: Z30\50 (4)
 MdC Transform: Z30\70 (1)
 MdC Transform: Z12\70 (1)
 MdC Transform: ..\ (1)
 MdC Transform: Z30\70 (1)
 penbouï8.gly
 Non-Unicode: HG-B21B (1)
 Non-Unicode: HG-B7C (2) (ExpansionA candidate B007A)
 Non-Unicode: HG-I64 (4) (ExpansionA candidate I8000)
 Non-Unicode: HG-F63 (1) (ExpansionA candidate F8000)
 Non-Unicode: HG-Aa11\R90 (1) (ExpansionA candidate AA011B)
 pentaour.gly
 Non-Unicode: HG-T36 (1)
 Non-Unicode: HG-E30B (1)
 Non-Unicode: HG-A77 (1)
 Non-Unicode: HG-V32B (1)
 Non-Unicode: HG-C177 (1)
 Non-Unicode: HG-F122\R90 (2)
 Non-Unicode: HG-O29\R270 (1)
 Non-Unicode: HG-U75 (1)
 Non-Unicode: HG-O137 (1)
 Non-Unicode: HG-P74 (1)
 Non-Unicode: HG-T22A (2) (ExpansionA candidate T022B)
 Non-Unicode: HG-O36\R90 (1)
 Non-Unicode: HG-A15\R180 (2)
 Non-Unicode: HG-A78 (4) (ExpansionA candidate A8001)
 Non-Unicode: HG-A92 (1) (ExpansionA candidate A8009)
 Non-Unicode: HG-A13E (1)
 Non-Unicode: HG-T21\R90 (5) (ExpansionA candidate T021A)
 Non-Unicode: HG-F51 (4) (ExpansionA candidate F051G)
 Non-Unicode: HG-F63 (1) (ExpansionA candidate F8000)
 Non-Unicode: HG-E80A (1)
 Non-Unicode: HG-G248 (9) (ExpansionA candidate G8007)
 Non-Unicode: HG-A31B (1) (ExpansionA candidate A031A)
 Non-Unicode: HG-F51\R270 (16)

Non-Unicode: HG-O42A (1) (ExpansionA candidate O042A)
 Non-Unicode: HG-A15\R180 (1)
 Non-Unicode: HG-B75 (3) (ExpansionA candidate B8007)
 Non-Unicode: HG-B27 (1) (ExpansionA candidate B8005)
 MdC Transform: l8\70 (3)
 MdC Transform: O1\70 (10)
 MdC Combination: sk##k (2)
 MdC Combination: w##D40 (3)
 pgurobiii1recto.hie
 MdC Transform: V31\ (1) (Equivalent to V031A)
 pnevill.gly
 Non-Unicode: XX-Ff100 (2)
 Non-Unicode: XX-Ff303 (1)
 Non-Unicode: XX-Ff302 (2)
 MdC Transform: V31A\l (1)
 PNorthumberland1.gly
 Non-Unicode: HG-R8A (3) (ExpansionA candidate R008A)
 Non-Unicode: HG-G26B (3) (ExpansionA candidate G026B)
 Non-Unicode: HG-F51B (1) (ExpansionA candidate F051D)
 Non-Unicode: HG-Z30 (1) (ExpansionA candidate Z8000)
 Non-Unicode: HG-A1\R180 (2)
 Non-Unicode: HG-Y1\R180 (1)
 Non-Unicode: HG-G37\R180 (1)
 Non-Unicode: HG-M17\R180 (3)
 Non-Unicode: HG-G1\R180 (1)
 Non-Unicode: HG-G41\R180 (1)
 Non-Unicode: HG-Y3\R180 (1)
 Non-Unicode: XX-Ff100 (4)
 Non-Unicode: XX-sic (1)
 MdC Transform: .\R180 (1)
 MdC Transform: Ff8A\R180 (1)
 poidsqenna.hie
 MdC Transform: Z1\R270 (6)
 poidsgardiner12.hie
 porbiney.gly
 MdC Transform: O\30 (10)
 MdC Combination: iAm##xt (28)
 ppushkine167.hie
 prifaudf.hie
 procesduventre.gly
 MdC Transform: Z1\R90 (9)
 MdC Transform: A1\50 (5)
 psalt124.hie
 MdC Transform: O\30 (12)
 MdC Combination: iAm##xt (1)
 pturin1887.gly
 Non-Unicode: HG-D410A (1) (ExpansionA candidate S030D)
 Non-Unicode: HG-A426 (1) (ExpansionA candidate A8008)
 Non-Unicode: HG-D35A (1) (ExpansionA candidate D035A)
 Non-Unicode: HG-G26B (1) (ExpansionA candidate G026B)
 Non-Unicode: XX-Ff303 (16)
 Non-Unicode: XX-Ff302 (12)
 Non-Unicode: XX-Ff304 (9)
 Non-Unicode: XX-Ff100 (16)
 Non-Unicode: XX-Ff301 (4)

Non-Unicode: XX-#12 (1)
 MdC Transform: N35\I (2)
 MdC Transform: Ff1\I (2)
 MdC Transform: V20\I (2)
 MdC Transform: Ff303\I (1)
 MdC Transform: V1\red (1)
 MdC Transform: \I (2)
 pvalancay1.gly
 Non-Unicode: HG-R8A (3) (ExpansionA candidate R008A)
 Non-Unicode: XX-Ff100 (6)
 Non-Unicode: XX-Ff101 (2)
 MdC Transform: O29\200\I (2)
 sethanat.hie
 sethelest7.gly
 Non-Unicode: HG-F37B\ (1) (ExpansionA candidate F037B)
 MdC Transform: 3\50 (2)
 MdC Transform: Z2\50 (3)
 MdC Transform: O30\R180 (1)
 MdC Combination: Hwt##aA (1)
 sethnakhtelephantine.gly
 Non-Unicode: HG-C7\ (1)
 Non-Unicode: HG-S29\ (1) (ExpansionA candidate S029A)
 MdC Transform: Aa11\R270 (2)
 naufrage.gly
 MdC Transform: V31\ (1) (Equivalent to V031A)
 shipwreck.jsesh
 MdC Transform: G1\99 (1)
 stela400years.gly
 Non-Unicode: HG-Aa11\R90 (2) (ExpansionA candidate AA011B)
 MdC Transform: C2\ (7) (Equivalent to C002C)
 MdC Transform: Z2\50 (9)
 MdC Transform: X1\50 (1)
 MdC Transform: Y3\ (2)
 MdC Combination: w##a (1)
 MdC Combination: w##D40 (1)
 steleboston25632.gly
 Non-Unicode: HG-R5\ (1) (ExpansionA candidate R005A)
 Non-Unicode: HG-T16\R90 (1)
 MdC Transform: Y5\120 (1)
 steleKamose.gly
 Non-Unicode: HG-O48A (4) (ExpansionA candidate O048A)
 Non-Unicode: HG-N34\ (1) (ExpansionA candidate N034B)
 Non-Unicode: HG-A78 (1) (ExpansionA candidate A8001)
 Non-Unicode: HG-O34\R90 (1)
 Non-Unicode: XX-?800 (3)
 MdC Transform: N17\200 (4)
 MdC Transform: .\1 (14)
 MdC Transform: M3\200 (1)
 MdC Transform: 4\R90 (2)
 MdC Transform: N16\I (1)
 MdC Transform: Q3\144 (1)
 MdC Transform: F23\ (1)
 vasegrenade.gly
 weni.gly
 Non-Unicode: HG-A316 (2)

Non-Unicode: HG-P13 (19) (ExpansionA candidate P8000)
 Non-Unicode: HG-P44A (1)
 Non-Unicode: HG-S106 (2)
 Non-Unicode: HG-A133A (3) (ExpansionA candidate A8010)
 Non-Unicode: HG-B23B (1)
 Non-Unicode: HG-A335 (3)
 Non-Unicode: HG-A12D (1)
 Non-Unicode: HG-Z4B (2)
 Non-Unicode: HG-G225 (1) (ExpansionA candidate G8005)
 Non-Unicode: HG-A347 (1)
 Non-Unicode: HG-O36\R270 (3)
 Non-Unicode: HG-Q7\ (1)
 Non-Unicode: HG-T3\R90 (1)
 Non-Unicode: HG-E103 (1) (ExpansionA candidate E8000)
 Non-Unicode: HG-O90 (1) (ExpansionA candidate O8002)
 Non-Unicode: HG-N1\R90 (1)
 Non-Unicode: HG-O42\ (1)
 Non-Unicode: HG-F42A (1)
 Non-Unicode: HG-A304F (1)
 Non-Unicode: HG-C104 (2)
 Non-Unicode: HG-A157 (1)
 Non-Unicode: HG-A60\R90 (1)
 Non-Unicode: XX-Ss (1)
 MdC Transform: Z2\R270 (2)
 MdC Transform: N33A\R270 (1) (Equivalent to Z002B)
 westcar.gly
 Non-Unicode: HG-F51\R90 (2) (ExpansionA candidate F051E)
 Non-Unicode: HG-U22\R90 (1) (ExpansionA candidate U022B)
 Non-Unicode: HG-V20\R90 (1)
 Non-Unicode: HG-U22\R270 (2) (ExpansionA candidate U022A)
 Non-Unicode: HG-R8A (3) (ExpansionA candidate R008A)
 MdC Transform: 1\R270 (2)
 MdC Transform: A1\70 (1)
 MdC Transform: V31\ (3) (Equivalent to V031A)
 MdC Transform: Z2\R270 (1)
 MdC Transform: 2\R270 (1)
 MdC Combination: iAm##xt (5)
 WienKHM_AS_125.gly
 Non-Unicode: HG-M163 (1)
 Non-Unicode: HG-M8A (2) (ExpansionA candidate M008A)
 Non-Unicode: HG-E103 (1) (ExpansionA candidate E8000)
 Non-Unicode: HG-D138 (1) (ExpansionA candidate D9008)
 Non-Unicode: HG-D250 (1)
 Non-Unicode: HG-U25B\ (2)
 Non-Unicode: HG-A365 (1)
 MdC Transform: 3\90 (1)
 MdC Transform: D8A\200 (2)
 MdC Transform: V20\70 (1)
 MdC Transform: P8\R270 (3)
 JdE28569.jsesh
 Non-Unicode: HG-R8A (1) (ExpansionA candidate R008A)
 Non-Unicode: HG-A51D (1)
 MdC Transform: F27\ (1)
 MdC Transform: M29\R60 (1)
 Khetty.jsesh

Non-Unicode: HG-O84 (1) (ExpansionA candidate O8001)
 Non-Unicode: HG-W66 (1) (ExpansionA candidate W8001)
 MdC Transform: G5\200 (1)
 Louvre_stela_271.jsesh
 Non-Unicode: HG-S113 (2) (ExpansionA candidate S8000)
 Non-Unicode: HG-R130 (1)
 MdC Transform: O29\R90 (1)
 mentuhotepUC14333.jsesh
 Non-Unicode: HG-Aa5A (1)
 MdC Transform: O29\R90 (1)
 merer_cracow.jsesh
 Non-Unicode: HG-A133B (2)
 Non-Unicode: HG-A84 (1)
 Non-Unicode: HG-E16A (1)
 Non-Unicode: HG-N34A (1)
 Non-Unicode: HG-A14H (1)
 Non-Unicode: HG-A97 (1)
 Non-Unicode: HG-B18A (1)
 MdC Transform: I9\R45 (1)
 neferti0.jsesh
 Non-Unicode: HG-A311 (2) (ExpansionA candidate A8006)
 Non-Unicode: HG-F37B\ (2) (ExpansionA candidate F037B)
 Non-Unicode: HG-T9A\R90 (1) (ExpansionA candidate T009C)
 Non-Unicode: XX-#34 (1)
 MdC Transform: V31\ (18) (Equivalent to V031A)
 poet.jsesh
 Non-Unicode: HG-A276 (1) (ExpansionA candidate A8005)
 Non-Unicode: HG-A223 (1) (ExpansionA candidate A8004)
 Non-Unicode: XX-Aa30h (1) (ExpansionA candidate AA030A)
 sinuhe.gly
 Non-Unicode: HG-B56 (5) (ExpansionA candidate B8006)
 Non-Unicode: HG-A21A (6) (ExpansionA candidate A021A)
 Non-Unicode: HG-R5\ (1) (ExpansionA candidate R005A)
 Non-Unicode: HG-M43B (2)
 Non-Unicode: HG-W59A (1)
 Non-Unicode: HG-A273 (1)
 Non-Unicode: HG-B12 (4) (ExpansionA candidate B8000)
 Non-Unicode: HG-A280 (1)
 Non-Unicode: HG-S123 (1) (ExpansionA candidate S8001)
 Non-Unicode: HG-A363 (1)
 Non-Unicode: HG-Aa30\R270 (1) (ExpansionA candidate AA030A)
 Non-Unicode: HG-M26A (1)
 Non-Unicode: HG-B2A (1) (ExpansionA candidate B002A)
 Non-Unicode: XX-"..." (3)
 Non-Unicode: XX-Y1_\$b (1)
 MdC Transform: U7\shading1234 (1)
 MdC Transform: A1\shading1234 (8)
 MdC Transform: 4\R90 (1)
 MdC Transform: 3\R90 (1)
 MdC Transform: I9\shading1234 (2)
 MdC Transform: D21\shading1234 (2)
 MdC Transform: U1\shading1234 (1)
 MdC Transform: Z11\shading1234 (1)
 MdC Transform: D35\shading1234 (1)
 MdC Transform: G1\shading1234 (2)

MdC Transform: G17\shading1234 (2)
MdC Transform: O49\shading1234 (1)
MdC Transform: G43\shading1234 (2)
MdC Transform: Z9\shading1234 (1)
MdC Transform: X1\shading1234 (1)
MdC Transform: T8A\R90 (1)
MdC Transform: D54\shading1234 (1)
MdC Transform: N35\shading1234 (1)
MdC Transform: V31\shading1234 (1)
MdC Transform: Z7\shading1234 (3)
MdC Transform: D36\shading1234 (1)
MdC Transform: O4\shading1234 (1)
MdC Transform: Y1\shading1234 (1)
MdC Transform: F21\shading1234 (1)
MdC Transform: S29\shading1234 (1)
MdC Transform: 3\shading1234 (1)
MdC Transform: U24\shading1234 (1)