Beinecke MS 408

A Transcription Based on a Revised Version of Takeshi Takahashi's Transliteration

Alexander Max Bauer

Department of Philosophy, University of Oldenburg, Germany

When referring to or using this material, please cite as:

Bauer, Alexander Max (2024): "Beinecke MS 408. A Transcription Based on a Revised Version of Takeshi Takahashi's Transliteration". Unpublished manuscript. https://github.com/alephmembeth/voynich.

Contents

1 Introduction **3**

2 Transcription **4**

3 Analysis **144**

3.1 Frequencies 144
  3.1.1 Overall Glyph Frequencies and Word Count 144
  3.1.2 Glyph and Word Frequencies for Currier Languages 147
  3.1.3 Glyph and Word Frequencies for Hands 147
3.2 Entropy 147

1 Introduction

In Section 2, mainly to promote easier readability and comparability, a transcription of *Beinecke MS 408* is currently being developed, based on a transliteration by Takahashi (1999). To achieve this, Takahashi's transliteration is obtained in an automatically capitalized version of the *European* or *Extensible Voynich Alphabet* (EVA), using the *Interlinear Transcription Archive Extractor* by Schwerdtfeger (2004).[1] It is then converted back into glyphs using a font by Bettencourt (2019).

Using the manuscript's reproduction in Clemens (2016) and the scans provided by Yale University's Beinecke Rare Book and Manuscript Library (2004), Takahashi's transliteration is compared with what I am able to make out of the manuscript on a best guess basis. In total, I made changes in 685 places of Takahashi's transliteration. Changes to Takahashi's reading are highlighted in orange:

- Glyphs that I interpret in another way than Takahashi or that I add to the corpus are printed in orange, showing my interpretation.
- When a glyph has been deleted by me without replacement, this is indicated by $\cancel{x}$.
- Removed spaces are marked with ⌢ and added spaces are indicated by ⌣.
- Added paragraphs are represented by ¶.

Especially the recognition of spaces in running text is, as Takahashi has already noted, sometimes very difficult. As is, in some cases, the distinction of some glyphs (e. g., ɑ and o, ɑ and c\, or ʔ and ƨ). Therefore, my adjustments in this—just as in any other—regard should be taken with a certain amount of caution.

Note that places where the writing is interrupted (e. g., by illustrations) are marked by em dashes (—). Each line of the transcription is preceded by a locator, assigning the line a number and informing about the element a line is part of (i. e., paragraph, title, line, label, or circle).

Additionally, in Section 3, some basic analyses are presented. First, in Section 3.1, glyph frequencies are counted. In Section 3.2, then, entropy is calculated.

Of course, this revision would not have been possible without Takeshi Takahashi's incredible work. Hence, I would like to stress that this is not meant as a criticism of his transliteration; I am merely adding a few carefully selected new interpretations. This work is not comparable to the effort he has put in.

---

[1] Hence, changes that Takahashi made to his transliteration in subsequent versions are not included. Further note that Schwerdtfeger (2004) builds on an online archive of Voynich transcriptions maintained by Jorge Stolfi (1998). For a general overview of transcription efforts, see Zandbergen (2023).

2 Transcription

Folio 1, Recto

01; Paragraph 1
fachys ykal ar ataiin shol shory cthres y kor sholdy
02
sory cthar or y kair chtaiin shar are cthar cthar dan
03
syaiir sheky or ykaiin shod cthoary cthes daraiin sy
04
doiin oteey oteos roloty cthiar daiin okaiin or okan
05
dair⁀y chear cthaiin cphar cfhaiin
06; Title 1
ydaraishy

07; Paragraph 2
Ɣ odar s⁀y shol cphoy oydar sh*⁀s cfhoaiin shodary
08
yshey shody okchoy otchol chocthy oschy dain chor kos
09
daiin shos cfhol shody
10; Title 2
dain os teody

11; Paragraph 3
Ɣ ydain cphesaiin ol⁀s cphey ytain shoshy cphodales
12
oksho kshoy otairin oteol okan shodain sckhey daiin
13
shoy ckhey kodaiin cphy cphodaiils cthey she oldain d
14
dain oiin chol odaiin chodain chdy okain dan cthy kod
15
daiin shckhey ckhor chor shey kol chol chol kor chal
16
sho chol shodan kshy kchy dor chodaiin sho kchom
17
ycho tchey chekain sheo pshol dydyd cthy daicthy
18
yto shol she kodshey cphealy dasain dain ckhyds
19
dchar shcthaiin okaiir⁀chey rchy potol cthols daocta
20
shok chor chey dain ckhey
21; Title 3
otol daiiin

22; Paragraph 4]
cpho shaiin shokcheey chol tshodeesy shey pydeey chy ro dar
23
*doin chol dain cthal dar shear kaiin dar shey cthar
24
cho*o kaiin shoaiin okol daiin far cthol daiin ctholdar
25
ycheey okay oky daiin okchey kokaiin ofchol kadchy dal
26
dcheo shody koshey cthy okchey keey keey dal chtor
27
cho chol chok choty chotey
28; Title 4
dchaiin

Folio 1, Verso

01; Paragraph 1
kchsy chadaiin ol — oltchey char cfhar am
02
yteey char or ochy — dcho lkody okodar chody
03
do ckhy ckho ckhy shy — dksheey cthy kotchody dal
04
dol chokeo dair dam — sochey chokody

05; Paragraph 2
potoy shol dair cphoal — dar chey tody otoaiin shoshy
06
choky chol cthol shol okal — dolchey chodo lol chy cthy
07
fo ol chocces cheol dol cthey — ykol dol dolo ykol do lchody
08
okol‿shol kol kechy chol ky — chol cthol chody chol daiin
09
shor okol chol dol ky dar — shol dchor otcho dar shody
10
taor chotchey dal chody — schody pol chodar

Folio 2, Recto

01; Paragraph 1
kydainy ypchol daiin otchal — ypchaiin ctholsy
02 dorchory — chkar s — shor cthy cth
03 qotaiin — cthey y — chor chy ydy — chaiin
04 chaindy — chtod dy — cphy dals — chokaiin d
05 otochor al — shodaiin — chol dan — ytchaiin dan
06 saiin daind — dkol sor — ytoldy — dchol dchy cthy
07 shor ckhy daiiny — chol dan

08; Label 1
ytoaile*
09; Label 2
***an

10; Paragraph 2
kydain shaiin qoy s shol fodan — yksh olsheey daiildy
11 dlssho kol sheey qokey ykody so — chol yky dain daiirol
12 qoky cholaiin shol sheky daiin — cthey keol saiin saiin
13 ychain dal chy dalor shan dan — olsaiin sheey ckhor
14 okol chy chor cthor yor an chan — saiin chety chyky sal
15 sho ykeey chey daiin chcthy

Folio 2, Verso

Paragraph 1

kooiin cheo pchor otaiin o dain chor — dair cthy
kcho kchy sho shol qotcho loeees qoty — chor daiin
otchy chor lshy chol chody chodain — chcthy daiin
sho cholo cheor chodaiin

Paragraph 2

kchor shy daiiin chckhoy — s shey dor chol daiin
dor chol chor chol keol chy chty — daiin otchor chan
daiin chotchey qoteeey chokeos — chees chr cheaiin
chokoishe chor cheol chol dolody

Folio 3, Recto

01; Paragraph 1
tsheos qopal chol cthol daimm
02 ycheor chor dam qotcham cham
03 ochor qocheor chol daiin cthy
04 schey chor chal cham cham cho
05 qokol chololy s cham cthol
06 ychtaiin chor cthom otal⁀dam
07 otchol qodaiin chom shom damo
08 ysheor chor chol oky damo
09 sho *or sheoldam otchody ol
10 ydas chol cthom

11; Paragraph 2
pcheol shol sols sheol shey
12 okadaiin qokchor qoschodam octhy
13 qokeey qot shey qokody qokshey cheody
14 chor qodair okeey qokeey

15; Paragraph 3
tsheoarom shor or chor olchsy chom otchom — oporar
16 okeol chol s cheol ckshy qokeom qokol daiin — soleeg
17 soeom okeom yteody qokeeo⁀dal sam

18; Paragraph 4
pcheoldom shodaiin qopchor qopol opchol qoty — otolom
19 otchor ol cheor qoeor dair qoteol qosaiin — chor cthy
20 ycheor chol odaiin chol s aiin okolor am

Folio 3, Verso

01; Paragraph 1
koaiin cfhor qotoy sha ckhol ykoaiin s oly
02 daiidy qotchol okchor okor olytol dol dar
03 okom chol shol seees chom cheeykam okai
04 qodar chs chy kcheol okal do⌒r chear een
05 ychear otchal chor char cthy
06 or cheor kor chodaly chom

07; Paragraph 2
tchor otcham chor cfham s
08 ykchy kchom chor chckhol oka
09 ytcheear okeol cthodoaly chor cthy
10 ochor daiin qokshol daiim chol okary
11 sho shockho ckhy tchor chodaiin chom
12 osh chodair ytchy tchor kcham s
13 shar shkaiin qokchy yty cthal chky
14 dain sheam yteam

Folio 4, Recto

01; Paragraph 1
kodalchy chpady sheol ol sheey qotey — doiin chor ytoy
02
dchor chol shol cthol shtchy chaiin *s — choraiin chom
03
otchol chol chy chaiin qotaiin — daiin shain
04
qotchol chy yty daiin okaiin cthy

05; Paragraph 2
pydaiin qotchy dy tydy
06
chor shytchy dy tcheey
07
qotaiin cthol daiin cthom
08
shor shol shol cthy cfholdy
09
daiin cthochy tchy koraiin
10
odal shor shyshol cphaiin
11
qotchoiin sheyr qoty
12
soiin chaiin chaiin
13
daiin cthey

Folio 4, Verso

01; Paragraph 1
pchooiin ksheo kchoy chopchy dolds — dlod
02
ol chey chy cthy shkchor sheo cheory — choldy
03
sho sho chaiin shaiin daiin qodaiin — o ar am
04
qokshy qocthy choteol daiin cthey — choaiin
05
shor sheey eto otoiin shey qotchoiin — chodain
06
ytchoy shokchy cphody

07; Paragraph 2
torchy sheeor chor shokchy cphydy
08
olaen chor cthol sho otor cthory
09
qooko iiincheom chcthy shoky daiin
10
otaiin sheo okeody chol chokeody
11
sho kcheor shody shtaiin qotol daiin
12
qokoy sho okeol s keey shar char ody
13
shody s cheor chokody shodaiin qoty
14
ochody chykey chtody

Folio 5, Recto

01; Paragraph 1
kshody fchoy chkoy oaiin oar olsy chody dkshy dy
02
ochey okey qokaiin sho ckhoy cthey chey oka*or otol
03
qoaiin otan chy daiin oteeen cho cthy otchy qotcho dy
04
otain sheody chan s cheor chocthy

05; Paragraph 2
tshy shody qoaiin cholols sho qotcheeo daiin shodaiin
06
sho cheor chey qoeeey qoykeeey qoeor cthey shotshy dy
07
qotoeey keey cheo kchy shody

Folio 5, Verso

01; Paragraph 1
kocheor chor ytchey pshod chols chodaiin ytoiiin daiin
02
dchol shy chol otaiin dain cthor choks ychopordg
03
fotcho ytor daiin daiin otchor daiin fo darchor do
04
fotor shees otol ykoiin shol daiin cthor okchy taiin
05
shokeeol chor cheotol otchol daiin dal chol chotaiin
06
otol chol dairodg

Folio 6, Recto

01; Paragraph 1
foar y shol cholor cthol chor chckh — chopchol otcham
02 daiin chckhy chor chor kar cthy — cthor chotols
03 poeear kshor choky os cheoeees — ykeor ytaiin dar
04 dar cho s sheor chocthy otcham — yaiir chy
05 tar okoiin shees ytaly cthaiin — odam
06 or al daiin ckham okom cthaiin — ydaiin
07 daiin qodaiin cho s chol okaiin s
08 ychol ckhor pchar sheo ckhaiin
09 dar sheol skaiiodar otaiin chory
10 tchor ctheod chy shor odshe od
11 ychar olchad ol chokaiin
12 or shol cthom chor cthy
13 qocthol yodaiin cthy
14 ysho taiin y kaiim

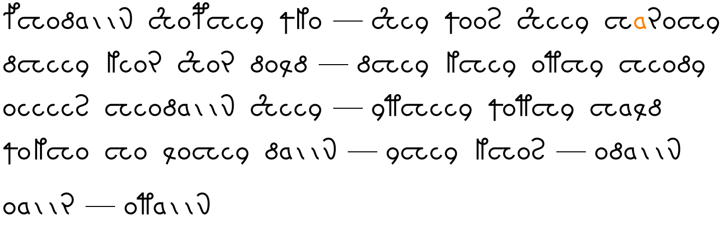
Folio 6, Verso

01; Paragraph 1
koar y sar cheekar qoar shor chapchy s chear char otchy
02 oees chor chckhy qoekchar cheas odaiiin kchey chor chaiin
03 qoair ckhy chol oochockhy chekchoy ckhy okol rychos
04 y shckhy ytchoy sos y⁀dady dchy dey okody — ytody
05 dair sha chodam dam okor oty doldom

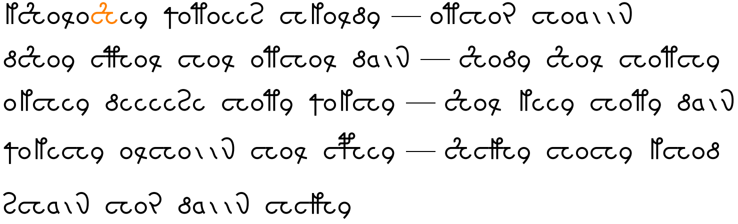
06; Paragraph 2
tchody shocthol chocthey s
07 ychos ychol daiin cthol dol
08 ychor chor okchey qokom
09 oeeo dal chor cthom s
10 qokchod ychear kchdy
11 lor char otam cthom dy
12 ytchos shy qokam cthy
13 yodaiin cthy s chor oees or
14 qokor chol cthol tchalody
15 chockhy s os chy sain or
16 ochy cthar cthar cthy
17 y chaiir ckhal cthodam dy
18 ytcho⁀cthol ches cthor
19 ocholy kchos chy dor
20 dchor choldar okol daiin
21 ycheor chor octham

Folio 7, Recto

01; Paragraph 1



06; Paragraph 2



Folio 7, Verso

01; Paragraph 1
polyshy shey tchody qopchy otshol dy⌒daiin tshodody
02 chochy cthy daiin qoky chcphey daiin cthol cthy cthd
03 qokchy dykchy ckhey kshy ky ty dor cheey ol⌒cheol⌒dy
04 choteeen oeear choschy dain sho⌒kshy shol deees⌒dol
05 dchodaiin qotchy cheey tcheey

06; Paragraph 2
kchor sheod sheodaiin shodaiin oksho⌒lshol dair qos
07 oksho⌒deeen chor⌒cheor odaiin shotch* — dol dol dor aiin
08 qoteeeo rcho⌒cheeody qotchey tey — okchor daiin
09 sho keeo daiir chokchy dor deol dy — dol daiin

Folio 8, Recto

01; Paragraph 1
pshol chor otshal chopy — cphol chody shy cphodar shor
02
tchty sh kcheals sho — okche do dchy dain al
03
chodar shy ry — chodaiin shokchy chor dy
04
xotor chor chor sheey — dchol shesed chofchy dam
05
okchey do r cheeey dy ky — scho chky ckooaiin cho taiin
06
toesh ckheeey koltoldy — shy choety cheeody sol
07
choto kchoan choor dain
08; Title 1
dcho daiin

09; Paragraph 2
tchocp sho pcheey pchey — ofchey dsheey shol⁀daiin shor
10
daiin cheey teeodan dy — chocthy oksheo dol dairg
11
shol cheodaiin daiin do — ytchody chot choty otariin
12
xoechodaiin shotokody — chotol
13; Title 2
okokchodg

14; Paragraph 3
ctho cthey shol chofydy — sho chey kshey lody cholal
15
dchey ckhol chol chey kchs — chy ctodaiin dol daiiirchy ckhy
16
ychey kchokchy chsey kchy — scheaiin cthaichar cthy dar
17
chol dchy xokar chl — aiin chean cky char chaiin
18
okar cphaiin chaiin el — daiin chor cha rchealcham
19
sair chean cphol dar — shol kaiin shol kaiin daikam
20
or chokesey shey okal — chal
21; Title 3
schol sair

Folio 8, Verso

01; Paragraph 1
cthod soocth — sol shol okol chol opcheaiin opydaiin saiin
shcthal sar — chor sheaiin shor chykchy okaiin cthy
fody cheal sy — chory — chear shol chaiin shaiin dolar
dshol shol dal chean cthar shealy daiin chary
chol chol dar — okchar ckhaiin cthol dar
daiin cthan — ykchy chey kaiin dain ar
sho kchol — dar shey cthar chotain ry
okchol ksh — chol chol chol cthaiin dain
shol orchl — chokchy chol cthor chaiin
scharchy — oeesody kchey pchy cpharog
sorain

12; Paragraph 2
pchar cho rol dal — shear chchotaiin chal daiin
kchor otchar oky — chokain keoky otorchy satar
shor okol lokaiin — shol kol char cthey tchy cthag
or chol cheen cheky — chor chean char cheeky chor ry
chor chear chear — oteey dchor chodey cho raiin
dain chear daiin

Folio 9, Recto

01; Paragraph 1
tydlo choly cthor orchey s shy odaiin sary — shor cthy
02
oykeey chol ytaiin okchody toeoky okoiin dy — or chaiin
03
toiin cphy qotod otaiin cthy okor chey — cthod ram
04
yshy chokcho chcthod shor shaiin otar dor — ytol dayty
05
daiin chor sor cthy chokoiin shol dsholdy — otchol ot dy

06; Paragraph 2
pshoain cthyaiin okaiir cfhodoral shar — sy — shydal chdy
07
or chol chytchy tchol ytor qotol chyky — chodar aiin
08
qotcho qokchy cthey koraiin okain‿d — dal — s — olsho cthy
09
ocho cthy choctoy chodykchy saiin dchy — daiin
10; Title 1
ytchas oraiin chkor

Folio 9, Verso

01; Paragraph 1
fochor oporody opy shor daiin qopchypcho qofol shol cfhol daiin
02
dchor qoaiin chkaiin cthor chol chor cphol dy — oty qokaiin dy
03
ykey chor ykaiin daiin cthy otaiin oky — oeees daiin
04
ytey tchy kaiin cthor otol oty toldy

05; Paragraph 2
pchor ypcheey qotor ypchy olcfholy te — ar — chty daiiin
06
odol choy ksheody chody — dain — otchy — cthod — yko
07
qochol chol ckhey daiin — otal — dor — daim
08
soiin daiin qokcho rokyd — daly
09
daiin chy tor chyty dary — ytoldy
10
oty kchol chol chy kyty
11
ychor chshoty oky kaiin
12
chkaiin cthy chor

Folio 10, Recto

01; Paragraph 1
pchocthy shor octhody chorchy pchodol chopchal ypch kom
02
dchey cthoor char chky os chair otytchol oky daiin ctyd
03
qotor otchy daiin chocthy qotchy chol or yty dy dy
04
sor chaiin chcthy ctho ckhy or aiin chtchor doiir ody
05
qokchy qotchol chol cthy

06; Paragraph 2
ychsor cthy chor cthaiin qoctholy dy — chy taiin shy
07
dchy qokchol ykchaiin yty daiin cth — dain dair am
08
qotchor chor otol chol cholor — chol daiin dar
09
oykchor shor chor chy kaiiin dy — chodaiin
10
oqotor otor cfhy cthor osain — ytoiin
11
rotcho shor qoty qotor cthy d — otar
12
rodaiin daiin qotchy qotor

Folio 10, Verso

01; Paragraph 1
paiin daiin sheo pcheey qoty daiin cthor otydy sain
02
dain daiin ckhy chcthor choiin qot chodaiin cthy daiin
03
dsho ytey kchol olty chol dy

04; Paragraph 2
qotchytor shoiin daiin qotchey shcthey ytor dain
05
sho ykeey daiin qotchy qotor chol daiin qokchyky
06
shoiin chor shcthy qoty qotoiin qokol choraiin
07
qokol chyky chol cheky daiin dain chckhan

Folio 11, Recto

01; Paragraph 1
tshol schoal cphy shpydaiin cthy shey tchody shoyty
02
socthody qodor y kshy daiin ytchy ytchoky kchol daiin
03
qoty chol cthy dor ykychy choty dain chaiin daiin ded
04
dchol chy kchy dy daiin

05; Paragraph 2
tchol shor shor dky scthy daiin cthy dy chodl daiin
06
odl ds y otol chaiin ykchor dair chody cthy s daiin
07
qotchy okchol cthy dy

Folio 11, Verso

01; Paragraph 1
poldchody shcphy shordy qoty — shol cphar dan y
02 shol dy chckhy shcthy daiin dam — ykchy dain dchy
03 otchor dy kchy tchy dar qokchd — oky chol dy dy
04 qokchor chololer chyky dchy qoky — ctho tchey tan
05 soydy qoteey qot‿chor dy ddy — cthor shy arm
06 ycheeor kcho dor cthey schold

Folio 12

Folio 12 is missing from the manuscript.

Folio 13, Recto

01; Paragraph 1
torshor opchy shol dy qopchy shol opchor dypchy dchm
02
dchol chol dol shkchy ydal shy ykchy qok‿ey daiin s y
03
s y dchor shaiin oeees ykor chor ytshy ykchy kchy dar
04
qodchy ytchy otchor

05; Paragraph 2
shorodo shy tshy kchol dpchy qopchy otchol cphol dy
06
tchor dor daiin qotchol okchy okchor oiin chcthy d
07
dchy qoky chol dy qokey d oldy — okchor doaiin
08
shoechy qokchy torchy keckhy — s okchey daiin
09
oldy shey chol doiin ykoly — okchal daldy
10
sotchy kchy okorory

Folio 13, Verso

01; Paragraph 1
koair chtoiin otchy kchod otol otchy octhos
02
oko qokol chodal otchol cphol choty
03
qokchy qokod chy otchy cthody
04
ols chey okos oaiin okshy qockhy
05
qoky daiin

06; Paragraph 2
foldaiin olcphy shol dy — oty shor qotyd — dairo d
07
dain okal chy qokchory — dchy koky daiin — shon
08
otchy daiin y dain ykol — okchy okald — d ytaiin
09
tchtod otal cthor ytal — y cho tol — sho qocthy
10
y ol chy kchey kchor dal

Folio 14, Recto

01; Paragraph 1
fchodaiin chofol shoiin daiin dain
02
o ykeey soiiin chok qokchy da okol
03
ydaiin olchy kchor daiin olol
04
ochkchor kol shy daiin dorody
05
qokchol dar dalo qotolo
06
ychol oir okor choor ockhy
07
otcho dain chcthy

08; Paragraph 2
soshy pchol shor cheor ykaiin s
09
sody chody otchody qotchy koiin sy — shoty dy
10
qotchor chod shoty chody dol dy dy — okchy dy
11
dchokchy schol dy shey dar qoty — ykeey ky
12
oeeen chey keor chey tchy ky — chodald
13
sodaiin chy kchy kchy ykeody

Folio 14, Verso

01; Paragraph 1
pdychoiin yfodain okyshey dy ypchor daiin kol ydain
02
okchor dchy tshy oky chy cthy okchy ty chol daiin
03
ychy dy daiin chcthy ykykaiin dytchy ykchy ky dy
04
yty,chy ksho ykshy shokshor yty darody dyotyds
05
okshy daiin okchor chky qotchy daiin cthor oty
06
qoty choky cthy chokchy dydydy chcthy dchyd n
07
oykshy choty dydy odyd otchy okchy dshy dardy
08
chokshor daiin okshody daiin — dol dair dam
09
dykchy ctholdm — dchcthy

Folio 15, Recto

01; Paragraph 1
tshor shey tchaly — shy chtols shey daiin
02
otchor qokchor oly — okor shy koly
03
qokaiin qotchy tydy — daiin chol cthy
04
scheaiin chodaiin chl — sol cthaiin sal
05
qotchy r shor cthy — daiin cthy dy
06
dchy kokaiin chdy — saiin okear
07
daiin shkaiin cthy — sho keocthy
08
shocthy tol kaiin s — dain ctholy
09
octhain qokaiin chos — odaiin cthl s y
10
ychain checthy okshy — saiiin dolchds
11
okaiin otaiin chl sy — chor choross
12
qotor shor tcheor chy — cthaiin — shan
13
ykshol dor sheey cthy dain — sky — shor shoty
14
otcho kchy chol daiin cthar — ytol dor dom
15
qotchor chaiin chy kol,daky

Folio 15, Verso

01; Paragraph 1
poror orshy choiin dtchan opchor dy
02
*chor or oro r aiin cthy tain dar
03
cthor daiin qokor okeor okaiin
04
doiin choky shol qoky qotchod
05
otchor chor chor ytchor cthy s
06
qotchey choty kaiin otchy r aiin
07
eoy choiin sho s chy s chy tor ols
08
ytchor chor ol oiin oty shol daiin
09
otcholocthol chol chol chody kan
10
sor chor cthoiin cthy qokaiin
11
soloiin cheor chol daiin cthy
12
daiin cthor chol chor

Folio 16, Recto

01; Paragraph 1
pocheody qopchey sykaiin opchy dor ychy daiin dy — chor orog
02
ychykchy otly kol shor ody otody qoy — oeesordy
03
ydor sheal okchy qoy koiin choky ykair
04; Title 1
dainod ychealod

05; Paragraph 1
tchor chor chs ykch shocthy opchy ty ky
06
oshaiin dyky oeees deeeod aiin dtoaiin
07
daiin dalchy dyky schy saiin doal qoky
08
shotchy ydain yky shody otol daiin
09
saiin ytaiin

10; Paragraph 3
toror dalydal opchy fchol ypchocfy okal
11
sokchy qokol choty‿okchy cthy chy kchy
12
dychokchy shcthy shtshy sho tchokyd
13
qokchor dl dy shey

Folio 16, Verso

01; Paragraph 1
pchsaiin otchor chpchol chpchey s pchoety
02 ytchor y ky chokchy qokchocthor shory
03 ykchy dy choy qoty chy kchy koshet
04 dchol chcthody cphod chotol dal
05 ytchy chyty chor chol ytchy dan
06 sor chkor oty chkor chol dairin

07; Paragraph 2
pchocthy chypchy qotchy chcfhey sy
08 daiin chol y daiin chcthy qotchar chor sholo
09 dshy okaiin okaiin chol chor cthor ty chody
10 qokchy chydy ykchy chcthy otain cthor cthy
11 okytaiin chkchy saiin
12 daiin yky otor chody
13 sokar oaorar

Folio 17, Recto

01; Paragraph 1
tshody daram ydarchom opydy ypod chop ofchy dody oldcfhy
02
ydair choky okshy qodar cfhody dor ofchol qodcfhy ods
03
chol or chy qodam okor chor okchom

04; Paragraph 2
fchom shol qokol qor olaiin opydm — som ypchy ypaim
05
ychekchy cfhy chor shor cphor cphaldy — dair cfhey qody
06
fsho qotcho qokcheor chekey

07; Paragraph 3
ksheo qokchy choldshy xepchy — dshe — opchordy
08
dchchy dychear schar ykchy
09
soy chcfho o dar chypcham
10
dar chear dsheor dain y mol
11
ofchol cfhar okaiin chol daiiin
12
ychody chofom

Folio 17, Verso

01; Paragraph 1
pchodol chor fchy opydaiin odaldy
02
ycheey keeor cthodal okol odaiin okal
03
oldaim odaiin okal oldaiin chockhol olol
04
kchor fchol cphol olcheol okeeey
05
ychol chol dolcheeey tchol dar cthy
06
oekor or okaiin or otaiin d
07
sor chkeey poiis cheor os s aiin
08
qokeey kchar ol dy choldaiin sy
09
ycheeol shol kchol choltaiin ol
10
oytor okeor okar okol doiiram
11
qokcheeo qokoiir ctheeol chol
12
oy choy koaiin chcthey ol chor
13
ykeor chol chol cthol chkor sheol
14
olo r okeeol chodaiin okeol tchory
15
ychor cthy cheeky cheo otor oteol
16
okcheol chol okeol cthol otcheolom
17
qoain sar she dol qopchaiin cthor
18
otor cheeor ol chol dor chr or eees
19
dain chey qoaiin cthor chol chom
20
ykeey okeey cheor chol sho ydaiin
21
oal sheor sholor or shecthy cpheor daiin
22
qokeee dar chey keeor cheeol ctheey cthy
23
chkeey okeor shar okeom

Folio 18, Recto

01; Paragraph 1
pdrairdy darodcf yoar ykchol dar o g chckhy — ockhor dal
02
otshol qokchol chykchy okchal daiin dy — chol diiin
03
qokchor chor chckhy orchey qokchol dy — ytchar m
04
chor cthor okeor ykchol okain

05; Paragraph 2
tchor shor cthaiin cthol chlol chog
06
ychy kchor dair ytol chcthy dar dar dal
07
oshor shaiin cthy sholdy doldy — doldaiin
08
qokchor ckhol olody okaldy — dary
09
chol chcthal okshal chykald
10
dar shor qokchol ol ydaiin
11
sotchaiin chokchy chckhol chor m
12
ychair cthol daiin qokchy cthy
13
or shaiin cthar cthal okal dar
14; Title 1
ychekchy kchaiin

Folio 18, Verso

01; Paragraph 1
tolds shor ytshy otchdal dchal dchy ytdm
02
qoeees or oaiin shy* okshy qokchy qokchy s g
03
or shy qoky qoky chkchy qokshy qokam
04
qotchy qokay qokchy ykcho ydl dar
05
x ychoees ykchy qol kchy qotchol daiir om
06
qotor chor otchy qokeees chy s ar ykar
07
ychol dor chod qokol daiin qokol dar dy
08
tolol sh cthoy daror ddy ytor ykam
09
okchor qotchy qokchy ytol doky dy
10
yko dshy dair ykol dom

Folio 19, Recto

01; Paragraph 1
pchor qodchy qotshy dy tchy qotchy qoky daiin dchydy
02
dshy chor y tchy chol dytchy chordy daiin dyty s choy
03
oscheor shy tdaiin chol dor yky
04
qokorar daiin chckhy shy kchor
05
otchy tchy qoky daiin r
06
y shor shy daiin otytchy daiin
07
qokcho ky cthar dor chan dar
08
or chor daky dal chor dorl shy
09
qotchor dy dor y tchykchy shdaiin
10
daiin cthor chol ykchor chordy
11
qotchy qolody choldy cthyd
12
ykchor chor daiin daiinol
13
osocthor ytchor

Folio 19, Verso

01; Paragraph 1
pochaiin cthor chpcheos opchey py kchey
02
qokchy kchol sor qokchor ykchy darom
03
otchy chol daiin qotol ytol daiiin
04
ytch chcthy qotol daiin daiin
05
qotchy qoteey daiin doty qot
06
ychoy kchor cthol chocthy s
07
ycho r chaiin cthor

08; Paragraph 2
toy tchey qo dchol qokchs dom
09
ychor oky chor ytol chol oky ddor
10
daiin chor daiin yokor y okchan
11
qotol dor okchor daiin cthor otam
12
otch okchodshy daiin or otaiin dair
13
yees ykchol oty ytor ytar ytchor ytaiin
14; Title 1
otcholcheaiin cthol

Folio 20, Recto

01; Paragraph 1
kdchody chopy cheey qotchol qotoeey dchor choiin
02 chodey cthey chotol odaiir qotchy cthody chodchy
03 qoteey cho chodaiin sho qochy chey tcheodal daral
04 ochol ol⁀teey otolchey

05; Paragraph 2
pchocthy chokoaiin cpy cheeen opcheey shosaiin r
06 choees okchor qotol cheey daiin chy choiin daiin
07 ocholshod daiin choteol chol dol shol otaiin
08 schodain cheo r cheody

09; Paragraph 3
pchodees shody qotchey qokchey qocphy chokoldy
10 ochoaiin chor sody pchodaiin chetody choky dchy toy
11 dchod qoteeody ytchy qotshey dchaiin cholody
12 shoiin cheody otchey otchy tchy qoteey daiin dar
13 ochaiin chor chor cheey tchey

Folio 20, Verso

01; Paragraph 1
faiis ar okoy shy fofoechey opchy qopy choldy opydy cphy
02 sos ykoiin cheol chol choiin chcthy otol chol chodaiin oty
03 okchy sho kchol shol chcthy qoty chy tol shy qotchy
04 sho or aiin shol daiin

05; Paragraph 2
tshol folchol otor shol shos fshodchy otchy chcphy dy
06 doiiin chockhy dar cheockhy shos cheos char cthaiin
07 shocthy sho cthy daiin sheoy tchy s — soaiin
08 shain choraly sho ar chy daiin d s
09 ykchy keody cho cthy chol shd qoty d yro
10 shokaiin chocthy chol daiin chy chor cty
11 okoiin chey cphol chor y

Folio 21, Recto

01; Paragraph 1
pchor oeeockhy ofychey ypchey qopcheody otaiin chan
02
saiin chcphy oky sheaiin qotchol oteos sheey cthy daiin
03
qotol shy ol cheor chy qokchey chey keey dy

04; Paragraph 2
pchofychy daiin cthain otolosheey qocthey tolchory
05
ykeey daiin chosy qokoiin otol chol qotcheol okeoaiin
06
dchor y kolyky chol kol qokeol cholol qoteeol dody
07
shosor cheor chokeody cho cthor shy

08; Paragraph 3
fchokshy otor sheol ocphal opsheos cthodaiin oty
09
okaiin sho tshaiin chkaiin shcthey cthody cthy s
10
totchy keor chy ky qotaiin qotchol ty ctheey otaiin
11
shol chol shol tchol chcthy otyky shey yteol shody
12
ykeey chor sheey ysheol chor chol daiin chkaiin

Folio 21, Verso

01; Paragraph 1
toldshy chokchy qokshey shckhol odaiin shey ckholy
02
oeeesoy qokchy chody qotchy qokchy choty tchol daiin
03
qotol keeees chotchy tcho choty chor qotol daiin dal
04
sho chodaiin choty chol daiin daiin chty chtol
05
osho deey ctho l sho cthy daiin dait oky
06
sho tsho chotshol chol todaiin daiin
07
ykcho lchol cholchaiin okchy s sheaiin
08
cho l kchochaiin

Folio 22, Recto

01; Paragraph 1
pol olshy tcholy shol dpchy ofy okoly daiin opchy s ocfhy
02 ol oiin shol o kor qokchol daiin ofaiin cfhor dain cfhydom
03 qokol dykaiin okchy daiin cfhol cfholo dar shain

04; Paragraph 2
pchaiin opchy daiin cphy doroiin ypchol sy — schor daiin
05 ol daiin qokchy dar daiin chor oldor oky — y choldchy
06 y chokshchy cfheen

07; Paragraph 3
kchol shol dsheor shko chdoly yfaiin ol — okchy cfhal
08 dchor ofy daiin cfholy qoky chofaiin chocfhy — doiiin dchor
09 odaiin dain cfhy cfheor oraiino

10; Paragraph 4
kchol chor daiin cfhoiin dchor chey qokol dy — opchol oldam
11 doiin ycfhody qokchy oky ofoldy yfy dol or — dchchy daiin
12 odchaiin cfhy okchy kchy dchol daiin — ydaiin
13 dchor dydain qocfhy ykolokain

Folio 22, Verso

01; Paragraph 1
pysaiinor ofchar oky tchy otdy — sor shy qod
02
daiin ykaiin qotchy kchy ytchyd — dshor ychy
03
qoky kchorl otchy cthy otchyky — ytchol otam
04
otchaiin shoty qoky — saiin — odaiin ytaiin
05
dor ykcheor daiin

06; Paragraph 2
fshor shy tchor otaiin
07
ychor chor qokchol chory
08
qotchy cthy qokol daiin dam
09
okshor shody chol tchol otaiin daiin
10
qokchy daiin s — or ytal
11
sokaiin oty dy
12
ychky daiin cthy
13
okchain chkoldy shotoly
14
qotchy olshly shol daiin
15
sho cthy chocthy qokchy dory
16
saiinchy daldalol

Folio 23, Recto

01; Paragraph 1
pydchdom chy fcholdy oty otchol shy opyoiin y yfchy daiin ololdy dal
02 to ar chor daiin chkdain otchy lolchor daiin dam okchol daing
03 dchar ykor ykaiin daiin ctho g

04; Paragraph 2
qokoldy okaiir ykaiil g qokeey ofchol dain yfchor olfchor otchald
05 ychor qokchol ytom chol dair chol ar ol ol dol dain

06; Paragraph 3
tshol ykor qokaiin yky dar okol dcheey daiidal dam ytcho ldals
07 okar olchar shaiin qokchol dar qokchol dairo r ol daiin alg
08 qokshy char daiir qokaiin olol qoaiin ykchy s — diil okchy
09 okol ok shy qokol dy — dol dshe qokeees y oly — daiin dal
10 qok okaiin chkchy s — yteair odal chal dy — dar ykain
11 ykyko dalory

Folio 23, Verso

01; Paragraph 1
podairol odaiiily shoaldy opchol otol ol chcphy qotchear s
qoteotor chy okchaldy qokchey dol — otchol chal otchm
ycho okaiin okeol eees oldaiin okeeor — daiin qotcholm
okchey dair sholol oldal — otchor dar
dor chear shor dol oaldary

06; Paragraph 2
tshol shor shkshy okol daiin — otshor olsar
otor oiin sho shol qokol daiin — sol daiin ylm
qokaiin dain qokor okal m dag — chor olol dag
otshy dal dar oldar ar or — qoto l chees m
dor chy kshol chol cthol — otol oloiir
y okaiin doroiin olols oiin — ol cheen ols
olaiior oloro eeeoly

Folio 24, Recto

01; Paragraph 1
porory chor opchar she cheol daiin or
02
qotaiin char odain okaickhal oky
03
y cthar cthal okol qotar ckhy
04
or chckhaly cthar eeor chees da
05
qdar cho r chey cthy cthe,keom
06
oeeeos cthor otal qocthol qoky
07
q*kar chtar s cheor cthol qodol
08
ychor s om qoear daiin qokeol
09
odaiin ckham qodaickhy dol dal
10
q*or cfhar chor s am chotaiin dy
11
sar cheoiees okeer cheor qokain
12
qokchy qotchy tol tod ckhy
13
oees ol s chey chcth sar
14
qor cheey qod char cthal
15
ockhoees oeees ol dal s
16
sham okeal dal dam dal
17
sshey otam sham cthom oky
18
y cheol chol daiin chol s
19
yol kol chol shom otacphy
20; Title 1
samchorly

Folio 24, Verso

01; Paragraph 1
tchodar chocfhey opom shod chcphy opshody ocphoraiin okokom
02 ydals ckhor shy cho dchor otol otaiir otchos okchom okcho
03 octhol odchees oesearees okam chcth
04 ydal sh okol okaiin odaiin dlos
05 oeor oroiin tchar oro

06; Paragraph 2
tochol chor cparasr
07 ycheol daid dar olom
08 kochky chcthy shol sain
09 ychol chol or chorom
10 okoeor ckheod choy keol
11 ydaiin cheor qodom okodaiin
12 ksho foar cto sho qokch ok‿okchal
13 oeeey cheol chol odor sho do otolodal
14 doiir cheeodam sho sho dy
15 dchey kchod dchol ochdy
16 otchol odaiim

Folio 25, Recto

01; Paragraph 1
pcholdy soshy daiin eky shody daiin ocholdy ctholdy sy
02
otor chor chrky chotchy shair qod sho chy kchy chkain
03
qotchy qotshy cheesees sheear s chain daiin chain dein
04
dchcthy shocthy ytchey cthor s chan chaiin qotchain
05
qotcheaiin dchain cthain daiin daiin cthain qotaiin
06
okal chotaiin
07; Title 1
dair otaiir otosy

Folio 25, Verso

01; Paragraph 1
foeeaiin qoky shy daiin qofchey otchey qopchor sos
02
dchor cthor chor daiin s okeeaiin daiin ckhey daiin
03
orcho kchor chol daiin shcfhor daiin dshey daiity
04
qokoiin qokcho shol daiin cthear cthol daiin chkear
05
dar chokeey dshor dshey qochol dol cho daiin daiin
06
qokcho r ochy qotchy qokoral — cho* chain deeaiir s
07
oco chkey daiiol daiin shckh~~x~~ — orchaiin

Folio 26, Recto

01; Paragraph 1
psheoky odaiir qoy — ofshod chypchey ypchedy ain — chofochcphdy
02
dchey daiin adeeody — ykecthey chedy ytedy dy — checthedy lr
03
oaiin shcthey cthedy oloy — ykeedy olchedy dal — y sheey saiin s
04
qokedy cheos ytedy qokedy — ytedy chekedy — daiin odam s aldy
05
*aiin shedy chdy chdy schy — daiin cthedy — qokeedy qokedy cthey
06
rchedy qokedy

07; Paragraph 2
pcho qokedy dar sheo ypchseds s — ain — shapchedyfchy dalchedy sar
08
daiin shedy qokeedy qoteedar s — ok — ol — ytedy qokchdy qokedy
09
tcheo︵shey dchdy okedy chcthey s — dy — dy — ykeechy okeedy cheky
10
shese aiin sheos cheody — otal

Folio 26, Verso

01; Paragraph 1

pchedar qodary d*iiin pcheety sair shedy ypchedy ypchdy qopy shdy
saraiir chekedy qokedy otedy sar y cthdy qokedy or ashe amys chedy
pchdar opar dar cheeom ofchdy otedy cthdy odar chedy ytedy okchdy d
yctheody qokedy deey samdy okedor or cheos oraiin okeo chekaiin
deeom cheody qoteedy qokody qotedy qotedy opchedy ofchy chs ar
toeedy keody shedy dar chedy sches or cheeky dar chey cheky ytchdy
pchedy dar cheoct chy sair chees odaiiin chkeeey ykey sheey
tchedy okeeos cheeos ysaiin okcheey keody saiin cheeos qokes ory
ysheey okeshy shodypshey todydy

Folio 27, Recto

01; Paragraph 1
ksor shey shoteo chporaiin shy — shod chary
02
dy eoain shol dain dar shokyd — dchol cthey ds
03
chol shy keol chol chy shol chy — daiin chey dam
04
qokey chor char chy dchy keey — chos cthody
05
dor chees ctho shy cphary — daiin dair
06
chy tchols chor chol chaiin — shy kchaldy

07; Paragraph 2
kchey chey kcheol pchy schey ly — chals cham
08
ytchy chy tchol dy tchey dain — chol dal
09
dchey keeod sho⁀tchey chol oty — chy tolg
10
qotchey shes s y chy tchey dy
11
chol daiiin chees chos cthy dan
12
dain cheokeey chey cthey otal
13; Title 1
okchodeey

Folio 27, Verso

01; Paragraph 1
poechop chop cho sho soly shol ytchor opchory kchorchor
02
dchy chkar otchy shy shy dchy dshy kchy cheo daidy dchy
03
kchey kchy dchokchy dsho dear chodchy etcheody shld
04
okcho chy kcheed chl chol kod — o oksho docheesd
05
foky shkeeo schodar shkol — chotchy cthodol
06
dsho kchrrr okeedy — dchschy — sotchdy
07
sho sho ykcho shdy — dchd — chschsy — otchdy
08
okshes okcho kshy

Folio 28, Recto

01; Paragraph 1
pchodar shod chocphy opchol daiin — okchol chyqo ldy
02
okchor okchor ckhol cky ckheol dy — dchar chatod dly
03
qokchaiin shor ckhol ckhol shor — chokchy kchodar
04
choky chkol okol chotchy ckhol — okol choty qoky
05
otsho okor chy tchoror chodaiin — sho ckhody otoy
06
qotchol qodaiin okcholchy daiin — cho qotol otam
07
sho okor shocthy shockhy okoldy — dshor dol dar
08
oschokshl daiin otcheey tol daiin — shol dsho okaiin
09
ykchol deey ykeol deaiin

Folio 28, Verso

01; Paragraph 1
kshol qooiiin shor pshoiiin shecphy qoty dy shory
02
ykcholy qoty chy dy qokchol chor tchy qokchody cheor o
03
chor chol chy choiin

04; Paragraph 2
tshoiin cheor chor o chty qotol sheol shor daiin qoty
05
otol chol daiin chkaiin shoiin qotchey qotshey daiiin
06; Title 1
daiin chkaiin

07; Paragraph 3
pchol oiir chol tsho daiin sho — teo — chy chtshy dair am
08
okain chan chain cthor dain — yk — chy — daiin cthol
09
sor chear chl s sholy dar

Folio 29, Recto

01; Paragraph 1
fosaiin she aiin chef oty chy qotchy qoty cheecthy
02
dshe ykchy choty oky chol chchoty choky chy ty dy
03
qokchy qoty kchaiin shear cthor — dchor choly
04
chocthy qoos chos

05; Paragraph 2
kcheol cheor sheos sheey teey doe — shos oety
06
chokshy shocthy shor shor daiin — qokaiiin
07
qokchy chol shokchy qokaiin choeky — choty kaiin
08
shor chor sho sheky shy qoty kody — daiin cthy
09
qokshe qor chey kor cheod ychom

Folio 29, Verso

01; Paragraph 1
kooiin shor chetchy olals shytchy cth y shy — cho shy daiin
02 qotcheaiin schol chol cthy chey cthold — ytchor dary
03 chol chol kor shey odaiin qotchy taiin — d she otey sy
04 ysho otshy okaiin cthy oltchy ctos — shot sho okaiin

05; Paragraph 2
tochon chain shan shoty — chshy — shy
06 dchor chol chaiin shaiin cthod — dar — chs — shody
07 qotcho kchor daiin ykaiin dy — shdy — cho cthy sheky
08 otol sho⁀tchos cholody dain — checth — chy cthody dol
09 sho cholkor chor chy ydaiin cho — ykeen — oaiin

10; Paragraph 3
qokoiin okaiin cho — cth — chyd — chykar
11 daiin chteor octhy — dar — chyt — otody
12 qekeochor otchey d y

Folio 30, Recto

01; Paragraph 1

okchesy chey shorchey fcheody shey tchy cher d o shey
ychody chey chkeey ksho keeor cheor shey she keeodol sy
chodaiin chory chey doiin sa~~x~~in chorain cheey keem
qokechy qoko qopchar soin chan qotchaiin
choko qokochy deeey dkeeor cheoldain chory
dchorol sho chor cho ro raiin dor chseeor dy
qor chain cthorchy

08; Paragraph 2

opchol ol chesey scheo rchey okeal — dcheo rchey
dchey qoechar chol keeaiin chcthey — chor cheky
chokchaiin dchor chkchean qotchy — chctho rchody
qotchor cheor chey cheor chey soeen — ydey — sor daiin
dcheey cthey cthey daiin chkeaiin dal — chor — ychdain
chodaiin chtchey chear shy keey

Folio 30, Verso

01; Paragraph 1
cthscthain shosaiin chocthey sho chepchy shol sheaiin
02 qotchol chy she kchol choly keol or chy daiin cthordy
03 chotchor daiin cthor doiin daiin chokeol dar chkocthy
04 otchey daiin chol checthy qotchod daiin
05 dain shoty chkor ytol cheordy
06 qokeeol chokor chokeody daily
07 chokchy sho kcho tcho ctheo sos
08 oyshy cheotor cphoaiin cphey
09 qotchol chol sheey cheor sos
10 sho sheordy otcheol daiin
11 sor chokcheey daiin kchody

Folio 31, Recto

01; Paragraph 1
keedey qotchedy shees aiin qokeetey chepakeo
02
dcheey daiin okeedy qokees s aiin shekeey qet
03
qokeey chey daiin qokeey rair chekey saiin dey
04
qofar chy dar lo⁀r ar cheey keeol chedy qokey
05
daiin sheoody qokeor

06; Paragraph 2
fshokeody qokedy qofedy chepar chedy r aiin dal
07
ykeedar saiin chckhey sheol qokedy ykeedy chedy ldy
08
shedy qokedy cheol cheod qokeody cheol chcfhy
09
dair sheeo shcfhey okeol

10; Paragraph 3
fol shso okedy okedy qokedy qokeedy dar shedshey
11
olsheol qokchy dal chey deey kchy keey okaiiin ykeey
12
qoaiin yches okedy sheey chedaiin dar
13
olsheor qoekedy okedy ykedy dals
14
saiis or chedy daiin okeedy
15
yshedair sheol⁀chekyy okedam
16; Title 1
ofeor aiicfhy

Folio 31, Verso

01; Paragraph 1
podair sheedy otedy oteedy qotolcheeo s arar oteey dkarar als
02 ytchos octhey okeeos cheody okeey keeody daiin cheody keedy
03 ykeeo daiin shedol okedy okey keody okchey sair okchs o lkedy
04 dair cthedy qokedy okeody chedar oked al octhedy okeedy otad
05 ykeos cheeoy ar aiin

06; Paragraph 2
pcheeody qop chedal checfhy chefchol or cheef alaiin opal sheo otar
07 olkeedam ches chol keeol checkhy okeol okal oky chokar okor ary
08 yk aiin chee⌒ksheey ychek⌒eeor cheor or checthy okchoked lchey okam
09 ytcheeol sheocky okeos aiin acthedy chkaiin chetchey ctheey okear
10 dar choar al kar oeeeos cheos aiin o ckhey okeo kor okeol ain
11 saiin ar ckheos chedy okeey qoear oraiin cheom

Folio 32, Recto

01; Paragraph 1
pchoiin shykeody daiiody dain — sho tchy oty qofy
02
okor okchor sheor cthy dal — dshodar qokchol
03
qokchor chor ctheol chol dol — dcheodain daiin
04
schor dshor ytsho dain — daiin choddal
05
qotchy qokchy daiin

06; Paragraph 2
pcho tchey chedy
07
otol dol ol dair
08
qoar daiin dam
09
dytchor dary
10
dchor ctho daiin
11
shos chckhol n
12
shodaiin ctol
13
otcho⌒r⌒ol dain daiin cthy
14
schey qot shey daiin cths
15
qokchy qotol doiir ol
16
otchol chey soty
17
chokeol dchoty
18
doiin sho shy
19
dol dchol dan

Folio 32, Verso

01; Paragraph 1
kcheodaiin chol kechy qotaiin daiioam — o chopchody
02
daiin odar chy daiin chey tcho ldy — dain teor
03
shor daiin chcthy dsho dain daiin s — shokey ka
04
or chr chor dor chaiin qotcho r chy — dcho daiin
05
chokchy daiin shy chor qo kaiin dain — dchol dorm
06
okchan chol⁀shal dchcthy

07; Paragraph 2
ksho cfhor she sheaiin otshchor daii — shcthy s odan
08
otchol daiin daiin ctho daiin qotaiin — otchy d shar
09
qotchy cphy skey chocthy daiin cthaiin — daiin
10
sho keol chor chol daiin cfhol cthol da — ar
11
ol sho chy

Folio 33, Recto

01; Paragraph 1
tshdar shdor shepchdy cphody yfoldy qofockhdy otchedy lfchdy daiin
02
ytchedy qokar cheky okaldy qokaldy otor oldor qotar otar otardam
03
loiin y cheky qokedy shedy chdal chechdaiin qokchy ody chekeedy ykam
04
taiin chekey or alaiiin saiin okaiin dar cheedy chkeey par aiin s
05
pair or aiin otaiin ol kor aiin okal otal chdal shekal qokar otag
06
yteey shody kchedydy chekar okaiin okaiin daiin okal
07
dar chos aiin or aiin cheekaiin okain ar okeeey

Folio 33, Verso

01; Paragraph 1
tar ar daiin — ydain cthey dols — sheky ar aiin es
02
kchdy dam dy — oky — okal dain chdy — ykam okam cham
03
dar chcthy dy — dyky — cthdy oky dam — okardy komdy
04
tokar shdy dal — qokar shd — otody chedy — ykedy dodl dain
05
tchdy chody okaiin — chcthy dor arl — cthy dy ty dy — ykar cheky dy
06
ycheo dor olaiin okar chdy chdy oldy — okar chdy

07; Paragraph 2
tshdy shecphdy shecthdy oltedy daiin oky — cheol orain — chdyshdy porar
08
darar sheey keedy okchy okar okedy chy — daiin dy dy — dar aiin okary
09
sar or aiin chor or shkair shol or chcthy — ar aiin — okain dal dy
10
lchoar or chey lodaiin oor okeedy okaly
11
tar al keey oram

Folio 34, Recto

01; Paragraph 1
pcheocphy olar yl — yfody okedody shod ololdy dar ytey
02 ytar sheody olam — octhedy otedy chdain oltey kchy ty
03 qotedy chyty chdaly — dar chd otedy qotol okedy dody ody kam
04 ytedy daiin chey aiin — shy chcthy ¶

05; Paragraph 2
qoteedy shedy shedy ol — okes ar — oltchedy otedy dam checthy
06 otedl chekey chetey oll — chesy — ykeedl chedy otey okaiin
07 qokedy dal chdy — olchy — ykch~~x~~g — daiin cheky fas air amg
08 shotchy qoky — olk — checkhy — ykedy qokchdy s ar oldam
09 ykchdy qod — ar — chet — ackhy — ysair air chodar tam
10; Title 1
orlchey todaly okaiin dardy

11; Paragraph 3
tcheo olchcthy oly — otchdy chefalas
12 qokeey sh kaldain — cheky cthdaly otchedy chty saiin
13 char aiin okor ar tol — qokar chckhy chdal ked qokar ar daiin dam
14 ykeo lor ochey oly — okaly kechdy qokchdy chor ar aiiin daly
15 or ar y kar ol al oky — chody qokal chedy chcthedy cheky daram
16 sair chekar cheky shek — cholchedy qokedy yk cheolchcthy

Folio 34, Verso

01; Paragraph 1
kschdy chdy chefchy shdy qopchdy shdydy chdalchdy ypchdy chcthdy spaiin
02
tol qokchy dychedy okchy chckhdy chdaiin ckhy loees ykar aiin oldam
03
ytal shor chdal olchdy char or ol kedaiiin chcthy okchdy chckhy daram
04
tchdaiin chekal shedy qokedar chdaiin oldar qoldar chedy daiin otam
05
lshaiir orair shedy chechey dykey kair chedy qokar chekaly cholky

06; Paragraph 2
pchedar shear qokchdy qokees cheol ypchdaiin chedy lr ar chedain
07
olchdaiin chedy chey keedy chy kedy dy qokedy okey sair chkain otain
08
ysheos otar or choraiin cheky olchdaiin or oldar chdar okam
09
lsheody cthy qokeey keedy kchdy chedy qokedy chdy kal shs oldaiin
10
daiin chdy tedy kchdy okeedy checkhy chdy kain cheor or okedy okam
11
yshos ody s aiin okoy okal shedy

Folio 35, Recto

01; Paragraph 1
cthoo r choly cthy choky char dy
02
qokeeaiin chokaiin qotchy daiin
03
dchaiin cthey qotchey taiin cthory
04
qotchy shetchy cthol cheey daiin dainl
05
otchor sho tcheey scheey daiin dainor
06
schaiin char chan daiin
07
shosaiin tchor choky
08
qokeey ky kaiin daiin

09; Paragraph 2
paiin chear aiin chear shor‿chaiin ~~x~~ ~~x~~
10
o aiin chaiin cthy r chl s chochy daiin
11
shcheaiin chol cthaiin lchaiin lchal dal — dair aldy n
12
olor chy chaiin chy taiin kchey koldy — chetchaiin
13
qokoiin chaiin qokchaiin lshy lodaly — oteey taiin
14
cthol chol aiin qotchy otchor daiin — shol qotaiin
15
ochor s chiin daiin ytain

Folio 35, Verso

01; Paragraph 1
par chor chocthy roaiin ar
02 qotchy otchey kchor yty
03 dchor choty chyty daiin
04 ytchy qotchy dchy cthy
05 dchokchy chocthy chckhor
06 shol tcheey chkcheeen chcthaiin
07 tchotchor shol sho eo kol daiin
08 oaiin tchor cho chotchy dchol d
09 qokchaiin cho ksho l choiin
10 okcheey chosar shory
11 qotcheeaiin chodaiin
12 dchaiin daiin daiin dal s
13 ol char od ar chear
14 tcheain shy tar dain
15 ykol cheol okchy tch
16 ydaiin okeey daiin
17 daiin dain chkaly choly
18 daiin qokeeen chokeeo r
19 schokey ykeol chol daiin
20 sodaiin shy dchy cthy dain
21 doiin chor chor

Folio 36, Recto

01; Paragraph 1

pchafdan qoraiin chcphal soiiin cthor shaiin cthy dair
oral shor ytaiin qotaiin qooldy chky chol dy kor
qotchy tchy daiin daiin dolsain

04; Paragraph 2

podaiir cthy qoypchol som — shy chy dchy pchom dar
daiin qor chol ctholy s — o — r — chy sy — chytaroiin
okaiin cthor ykaiiin s — dain an — dan
qokol cthol okol dy okchy — ytorory — sold
ytchor cthol chaiin yd
ytodaly daiin otaro

Folio 36, Verso

01; Paragraph 1
pcharasy qoforom shoaiin tchey chckhey otaiin cphar daiin
02
qotar chol daiin otaiin qotor ytar ochor chcty ckhor dom
03
dchytchy ytor s — otaiin qopchor otar otchaiin s
04
qotchor yky ty dy — daiin cthor

05; Paragraph 2
tchor ckhoiin daiin cphchar
06
daiin cthor daiin dal dys
07
qoky keol okchor os cho shan
08
ykshy ytchy dol ytody yky
09
okaiin ykcholqod chory
10
ykchotchy daiin daiild
11
oty chcthy ytoryd
12
ytol kchy oty chd
13
oky she cthol oty
14
soiin chtain

Folio 37, Recto

[P1, 1]
tocthol shaiin qotor ofchor oty chory daiin otod or
[P1, 2]
ykoiin cthor okaiin qotchy ytody qokaiin sho ytaiin
[P1, 3]
qoshy qokaiin cthol dy ckhor oky dy

[P2, 4]
pchotchy daiin cfhol dar chol daiin — yd
[P2, 5]
yky qokchy qotchor chkol otoly
[P2, 6]
shor shol qokchy qotogody — dchol daiin
[P2, 7]
sor chey kor qokor daiin

[P3, 8]
koiin chorody qokaiin shory otal — shor sheor dar
[P3, 9]
ykchody qotchy ykaiin chy qotor⁀dy — otcho lol daiin
[P3, 10]
qoto okchochor dchor chy shy daiin — ychey kol daiir
[P3, 11]
okchor daiin ckhy dain daiin

Folio 37, Verso

[P1, 1]
kshody qocthy qotoldy chopdain sol
[P1, 2]
dor chol cthor orcho chor daiin
[P1, 3]
qokchon shy chon daiin dy
[P1, 4]
dshor dytory dshor daiin
[P1, 5]
dchor qotol ykchon dain
[P1, 6]
yokor ytchor saiin oty
[P1, 7]
qotchor daiin

[P2, 8]
qotor choiin chcthhy daiin
[P2, 9]
dor chor sho daiiin daiin
[P2, 10]
soiin shey okoiin chey tom
[P2, 11]
qotoiin choror cthol daiin
[P2, 12]
chor sholy sheaiin dotody
[P2, 13]
sotoiiin

[P3, 14]
todain cphaiin cphorods
[P3, 15]
soiiin cheoky daiin dain
[P3, 16]
qotor daiin chotaiin
[P3, 17]
sokchor qokoiiin ykeeols
[P3, 18]
oyteey daiin daiin ody
[P3, 19]
daiin qkoiin qotal daiin
[P3, 20]
ychoetaey ykol daiin s
[P3, 21]
oshctho do daiin cthols
[P3, 22]
qotol ytoiin chocthey
[P3, 23]
yto chol daiin

Folio 38, Recto

[P1, 1]
tolor chockhy — oky choiin okshol oly oky
[P1, 2]
okshey chodys — ytoiin otaiin otaiin cthar
[P1, 3]
qokor okaiin — otaiin qokchol chokokor
[P1, 4]
ychok chey chckh — chy chko r odaiin daiin sy
[P1, 5]
okor chey kain — chor ctho dain ctholdy
[P1, 6]
ysho sho kos — daiin okoy chochor daiin

Folio 38, Verso

[P1, 1]
okchop chol shotol oteol okeey s — chor d aiin d
[P1, 2]
choiin shey keo sho oiin s chol ldy — okeaiin okog
[P1, 3]
qokeey keor daiin okey keey daiin — dair daiin s
[P1, 4]
okeey d‿aiin qokeey chotoy tody — oky aiiin d
[P1, 5]
qoty daiin chol oteeol dody — cheod chody
[P1, 6]
sho keeey key tey daiin daiiin — dain dain
[P1, 7]
daiin qol chy dain ✳ or daiin — dain daldy
[P1, 8]
o aiin char chshol chokaiin

Folio 39, Recto

[P1, 1]
tedo chshd ctheopy chdain shey pshy dy orain cheefaiin opy shey koly dy
[P1, 2]
olchey cheky qokedy shekshey qolain chekshy chdy dair shckhey dold
[P1, 3]
qokalchdy chekaiin chckhy dar shed qokeedar chedy dar or cheey dy ckhy
[P1, 4]
toeedy chdy olaiin chedy shckhdchy chol or ordy chees aly okalcheg
[P1, 5]
dchdy chdy ykaiin

[P2, 6]
fchdaiin she dam qopchedy shedy kchdy dydy ofchekaiin shockhxey shdalo ry
[P2, 7]
dchdar chedy cholal qokedar chdy chckhdy dar ar al ydy eeesaiiin
[P2, 8]
lchedy shedy qokaiin ckhey pchedy okam chcphy saiin chckhy dairog
[P2, 9]
tchedy shol odal qokaiin shdaiin

[P3, 10]
fchdar shedy ar aiir okair ykeols shedy qockhdy laiin syky
[P3, 11]
dshdy ar aiin y yker chdy ykal olkaiin qokaldar cheol dar aiin
[P3, 12]
tolchdaiin chckhy saiin olor chls aiin oky ches aiin dal
[P3, 13]
ytor chdar shey qokaiin chor kar sheolkedy otedy tedy saiin
[P3, 14]
daiin shckhy chekl ol daiin chedy ykeey daiin otal chdam qokam
[P3, 15]
qolkain olcheol daiin dar ol dld or ador aiin opchepar
[T1, 16]
oteol cholkal qokal dar ykdy

Folio 39, Verso

[P1, 1]
pdair chdy fdykaiin or air sheykaiiin opchy kar or aiin dol ky oshdy
[P1, 2]
sor shy kor chol qoty kchdy olky dor chdy ykar olkedaiin ody dy
[P1, 3]
daiin chor okain okaiifchody saiin or aiin qokaiin ytodaiin okom
[P1, 4]
y okeey chody cheor aiin okody chodal ykedy qokedy dal or aiin shky
[P1, 5]
ytedykor or sheky kain otar or aiin okaiin cthol ol kor otor opchy
[P1, 6]
lkedy okchey shor‿qoy⁀kam cho ckhcphey or aly shody

[P2, 7]
pardy shedy qokar sheedy oraly — olaiir okar ar
[P2, 8]
oekar aiin olkaiin olky dar ald — shek chek qokchy dar ain
[P2, 9]
tar aiin dal ar ain cheor ydam — shody okal shdy kshy or
[P2, 10]
dar ar ykar or yky chdy fchor — qokain ar sheedy olchef
[P2, 11]
sarol chedy shekam qokar chl — ykeedy chckhy dalor dy
[P2, 12]
paiin alaiin otal chd okar am — okar cheodal ockhy
[P2, 13]
dain ockhedy otedy — okedy lchdy okaiin daiiiny
[P2, 14]
tar aiin okaiin cholody

Folio 40, Recto

[P1, 1]
pchey keodar aldydy — qoky okal shdy olkedy opches ar ordaiin
[P1, 2]
qokar okar okedy dar — ykchey kaiin okos chedy okar aralos
[P1, 3]
shy qokal chdy chked — otor aiis oky okolchy qokar okam
[P1, 4]
or aiin chkody das — qokol okaiin okar oky okoldy ol
[P1, 5]
lokar qokar okar — okol ol chedy qokchd ar ar or dam
[P1, 6]
tor or ar shokor om — olshedy qokam chdy kar oraiin
[P1, 7]
yaiin chkaiin oky — ycheey

[P2, 8]
ksheo kchey dar aim — kcheo cphdy oraiin chfal daiin dm
[P2, 9]
taiin ol olaiin or — dain okaiin okaiin okaiin daram
[P2, 10]
saiin olcheey chdy — ychey karar oky ykedy okair ody
[P2, 11]
toar ykaiin ory dal

Folio 40, Verso

[P1, 1]
pchedain chefaiin oldy
[P1, 2]
todar qokaiin ol aram
[P1, 3]
s air ain okaiin okam
[P1, 4]
tarain okaiin chck*y
[P1, 5]
solaiin okar oly chckhy
[P1, 6]
qoeed aiin ol chedy daiin
[P1, 7]
shody qokol chedy s ar
[P1, 8]
chodaiin chkal ykedy okal
[P1, 9]
tchy pchody pchdy kar ol
[P1, 10]
tchkaiin tchedy qokaiin oraiin
[P1, 11]
schedy qokol chedy dalor acthy
[P1, 12]
ycheckhey daiin okaiin

[P2, 13]
toees chedy kedy olfchedy qokedy — daiin chefain
[P2, 14]
saiin o lchey kchedy okar qokchdy dy — qokees am chdy
[P2, 15]
qokchey qody or aiiin okaiin o ckhy — sheod faidy
[P2, 16]
shol kedy lor ar okar qoky kedy r — yteey qoka*m
[P2, 17]
tochey qokeedy qokaiin okeor qokar — okees ar oky
[P2, 18]
saiin otain chckhy okal okair arol — qokey okary
[T1, 19]
pchedy chetar ofair arody

Folio 41, Recto

[P1, 1]
pshey kedaleey oked shekechy — opsher ypchd qotchexdy shkakeedy
[P1, 2]
ykeeo alshey okedy keshdy dy — dos yechoky qokeed chpy qokedy dy
[P1, 3]
qok say yokedy ychdy⁀kchdy — qokedy qokedy shekchy cheky daly
[P1, 4]
chdchy ytcheeky ypchedy rchdy — ytedy cthey cheer oteey otal dam
[P1, 5]
qotchy ral yteedy kchdy — dchedy kchdy dchedy dalain

[P2, 6]
shedey polchedy qokeey chekedy ytey — chkchod ypchedpy shepy shedy
[P2, 7]
paschdy kchey yteedy qokeody — ykedy chkedy qokedy chedy qokedy
[P2, 8]
dais chedy chcthy qokey lchdy — qokedy qokal chekedy qodos am
[P2, 9]
qokeedy okedy chekedy chedy — chctheody chekal daiin cheo al okedy
[P2, 10]
r⁀shok shedy qokchdy dchdaldy — ykedy qokeedy qokedy qoked
[P2, 11]
ykeod ykeedy chekeedy cheked

Folio 41, Verso

[T1, 1]
keesodal
[P1, 2]
pcheody qofcheepy ofchdy cfhekchdy — ypchedy chepchefy cthdchdy qotal dar
[P1, 3]
dcthedy tchey s,aiin cthekey okedy okaly — daiin okedy ykeeody choy teoy dam
[P1, 4]
qokeody okey qokeody oleeol lkedy — lkeeody qokeedy okeey qokol ctheols
[P1, 5]
ycheos olchey daiin or chol,ol,aiin — oteedy qoteol oteodar orain
[P1, 6]
todaiin ol cheos yteedy okal old — oteol qokal or oteody
[P1, 7]
ykeey okey ykeeol ckhdy chdal — ykeo,aiin okeody oly
[P1, 8]
daiin olkeeo lkol,chedy okeey

Folio 42, Recto

[P1, 1]
sho ofaiin ckhachcthy otcheey pchear
[P1, 2]
sol⁀kaiin char cheky otshaiin daiiry
[P1, 3]
toshy chtshar chotar chain dal
[P1, 4]
shor chetar chotais dar cthaiin
[P1, 5]
qokar chockhy chotor chy kary
[T1, 6]
dorain char

[P2, 7]
pcho chy kshaiin shotaiin cham shan
[P2, 8]
yshol chees cthol shor shol ety chary
[P2, 9]
qotchor otchol ctho kchodan chkchory
[P2, 10]
choty dol ksheo cthor otol cthol chol — shol dain
[P2, 11]
qotor cho chody daiin shol ctheey dar — chy daiidy
[P2, 12]
dcheey chol shol chokaiin choeky deky — dain dal
[P2, 13]
qopor shol shot shol shol daiin dain s — cheam
[P2, 14]
sho kshey choty chdain chodaiin daiin — dam
[T2, 15]
pchody otshey dodaiin

[P3, 16]
pydaiin sheor shaiin tsh olchy sholy
[P3, 17]
shotol shol chety daiin chokchy chkaiin
[P3, 18]
qody cthochy otaiin shy kshes chor ain
[P3, 19]
otchoty daiin chot sho ckh~~x~~y ety⁀s os
[P3, 20]
shol chol shoky okol sho chol shol chal
[P3, 21]
shol chol chol shol etoiin sos odan
[P3, 22]
kchaiin chos cthaiin choro* chaiin
[T3, 23]
okchol⁀shol kolschees

Folio 42, Verso

[P1, 1]
tcho eto sheey qocho taiin shols — chol chor dain
[P1, 2]
dshey tchey y kchey chtchy cthy dan — dain otol daiin
[P1, 3]
sho chotody chotol oky chol chol — dl chcthy otoy
[P1, 4]
qotchy chkchy sar dy — odaiil — ykchy okol⁀dg
[P1, 5]
chokeeor chey chetan — s ary — okol chetaiin
[P1, 6]
okeokear cheotchar — sy — saiin cthar dam
[P1, 7]
chok sheokey keeey d — chekeesshy
[P1, 8]
sodal saiin

[P2, 9]
posheor sho char chekchey qokod — sho ctheo rchy
[P2, 10]
schor okchey chy shol olor cheaiin — etchy tcheen d
[P2, 11]
qo aiin qokeey kchol cheal oteol⁀d — shey teaiin d
[P2, 12]
chotcheey chol ol chaiin oteeaiin — chkchy taiin y
[P2, 13]
sho chey teor shey checthey daiin — chokeey daiin
[P2, 14]
qoteey chy kchy cthy ctsees choly — sarar ar⁀al
[P2, 15]
chokey chol okey
[T1, 16]
okor odeey

Folio 43, Recto

[P1, 1]
tarodaiin ytedy chody opchtar chcfhedy yfar shol polor aiin cfhey dar
[P1, 2]
yteody oteol ytedy ar chty dar air okaldy daral otchdy daiin dalr
[P1, 3]
yty yty oty she ody shy olor ytchdy kaiin chky qotydy dar aiin ykam
[P1, 4]
dasar ytey tedy kar or ar shekalchdy cholky qotaly chedy oty otam
[P1, 5]
ykor ch*dy shekody qotody qotar okedy dar choetchy dam otain ytam
[P1, 6]
kchedy chedy daly cheody cheolkeefchy

[P2, 7]
fshesy otey kshdy ofchdy kedar okedy chdy shocfhey dytydy fchdy kedy dam
[P2, 8]
ytchedy chedy cheody shy qoiiin sheeeky chedy dain shy ykolor otaiin old
[P2, 9]
dshedy qotedy dor cheey odain

[P3, 10]
fshdar shed ody qotedy ypchdy qockhedy ofchdy daiin qokedy dydydy qotar
[P3, 11]
ytchedy ty shol toldy shody otchdy shdy otolol shd olky ytol otary chky dy
[P3, 12]
dor shol qokol shedy qotedy qokeedy qokody okchdy otedy shedy oty yty dy saiin
[P3, 13]
tshed qosheckhey odeedy qeokchy qotedy daiin shodody shochol chckhy ykedy dy
[P3, 14]
ykeody checkhy chotchy odain chckheey chokor aiin

Folio 43, Verso

[P1, 1]
pdsairy dalteoshy da,ly sheet or arodl lkeo r,araiin otedy,o,poldy
[P1, 2]
shedy octhy otedy chedy dar ches?khy okeody oky okaldy kchdy okar
[P1, 3]
tody te?dy qot chocthy chky oky chdy okedy ykaiin chey ody dary
[P1, 4]
dshey ykeedy chees aiin shy qocthedy chey qokar checthy okam
[P1, 5]
qokchedy or,alody otedol chcthdy chtey

[P2, 6]
tolkchdy okedy qokedol shedy okedal shedy pchdol otey dalorain
[P2, 7]
ytshedy ykeody oykeedy chedy tedy chcthy otam ot ytaiin otas
[P2, 8]
shetcheodchs ochedy oteody chedy chody daiin sheody ykar chef
[P2, 9]
ytchdy olos aiin octhy

[P3, 10]
tar,chor ar aldar chdy daldar chepy yteedy sypchey pchedy ypor
[P3, 11]
y sheey or,air yteey cheody ar sheo qody chcthy chdy choty shecthy
[P3, 12]
y shee kedy dar,chey qotedy ckaiin chedy cthey oteol or aiin odain
[P3, 13]
dshedy tedy cthedy chekcheey dy keody otedy cheetam okedar amam
[P3, 14]
dykeedain chedy okeedy chedal olkey cheky choal chedy oteorom
[P3, 15]
oteod qolkeey,kaldy chy darody qokeey kol,dary,taros
[P3, 16]
ol eees aiin oloaiin oteos qoky chey

Folio 44, Recto

[P1, 1]
tshodpy oracphy koees ypsholy shy otoloaiin
[P1, 2]
ydsh dyeees yty oky okchey qykchey dchy dy
[P1, 3]
oair ekokeey kshotol otol daiin otota⌒ykal
[P1, 4]
ychor ykchey ykchy chody dam

[P2, 5]
toy shysho qoteey chor cheeky sheey ytey daiin
[P2, 6]
dshor ytchol shy o ocheekchy qotchy otchy dar
[P2, 7]
qotes oqd shol qotshy oyty chom

[P3, 8]
pshy opchey qopchy ofchey roπry shol⌒os ykchy
[P3, 9]
otchol ol⌒dchckhy qoky qotchy qokchy qoky⌒d
[P3, 10]
qokchor okchy qoto ykol choky choky chol dam
[P3, 11]
ytsho qockhy okchody

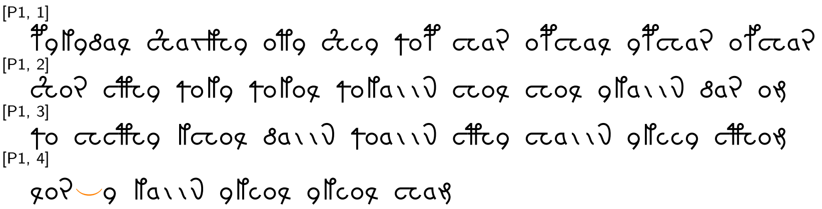
Folio 44, Verso

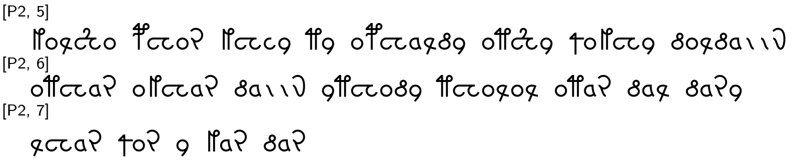
[P1, 1]
tsho qotshy cthol dchor otol shol tol qotshol otoldy
[P1, 2]
yolkol cheol qokchain daly otchol daiin shol qotor⁀ar
[P1, 3]
tol okchos shcthy otol daiin cthy cthy

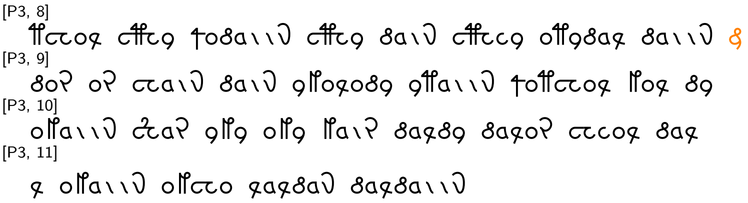
[P2, 4]
yokalod shaiin shor shorody shky sho ytchy opchod opy
[P2, 5]
oain shol cthy cphaiin ykchor otchy qoty otcheor cthain
[P2, 6]
tol dair ytaiin dol y kchain otykeey otchol ytaiin dy
[P2, 7]
oko tchaiin cthol dy cheol ololy

[P3, 8]
tsheody cthaiin odaiin shol shey cthy — ytoda — ol
[P3, 9]
dshor cthees lol keees ckhy chcthy lo
[P3, 10]
lsho qokchy tshy cphaiin cthal kal
[P3, 11]
okol chol chol choky okaiin cthy otal
[P3, 12]
ychey teol choiin chcthy ctho cthol
[P3, 13]
lchor shor dairl

Folio 45, Recto


[P1, 1]
[P1, 2]
[P1, 3]
[P1, 4]




[P3, 8]
[P3, 9]
[P3, 10]
[P3, 11]

Folio 45, Verso

[P1, 1]
korary chko kol,chey pshololm shor ykchy dod ofchaiin olald
[P1, 2]
okol chor daiin cfhey okchol chom okolor dy — okchol s
[P1, 3]
qokchy l or cheol qotol qotol chy ky cfheo d — ykar yd
[P1, 4]
okchy qockhey dain dail dair shy

[P2, 5]
qotol choiin okchar dar oty — shoto dol fy — otytam
[P2, 6]
ss aiin cfhor qokey tod — ytchdy dy — dy chem
[P2, 7]
tchtcho,kchol dshy oty,ol — ytchom

[P3, 8]
yksheor odal sho dy fchom — otor oaiir
[P3, 9]
ychor cfhey chol qokom sy — sa ykchom
[P3, 10]
dshor otshy oky tsholol — ytchor,d
[P3, 11]
or chor ytchy doiin dcholdy

Folio 46, Recto

[P1, 1]
pcheocphy qotedy chety dy chepchx yfcheky osaiin shee qoteol daiin shee dy daly
[P1, 2]
rodaiin sheeoly qoor shoteoly chcthy daiin shekshet shedy xor aiin shcthy
[P1, 3]
daiin shor ykal chcthy daiin she dalshedy qokol s aiin shee ykar daiin
[P1, 4]
tshedar chol kaldy chcthy qokaldy chekal chcthy shky shky dalocthey
[P1, 5]
okeedy shkeey ykey shedy chdy shky qotsheod ytedy ytey cheor

[P2, 6]
tedy dytedy shee keedy ypchedy chdalor sheedy odyr aiin opchedy dykedy chdam
[P2, 7]
xol shol qokaiin ytchdy qokchdy s ar chdy cthy otedy chedy qokar chcthey m
[P2, 8]
dsheol chy chcthy shy shdy chky chody cthdy s cheos chey

[P3, 9]
tshdy shdy fchedy dy!fchdy shol kchs ytaly fchdy dy karal shky yty dardam
[P3, 10]
tchey shy chkal chd qokdy shdy aloldy olaiir sheol

[P4, 11]
pchdair shd shepdaiin shdy ocfhedy qopchdy ldy shear opdarshdy sayfchedy
[P4, 12]
techy daiin sheocthy choky r aiin ches shy kar shcthy chdy chctham
[P4, 13]
arakaiin shol okeey chol dar ols lain y
[P4, 14]
otshealkar sholkshy qokar cheol okal dam chdam qokam
[P4, 15]
qokar sholkal olkeody

Folio 46, Verso

[P1, 1]
pody lshed ypdy shedy opchedy ytedy ocpchol yfchey tochsy okar ykchdy daiin
[P1, 2]
ytair aiin otchdy okaly daiin qokedy otar ar oldy otedy saim okey tody daiin
[P1, 3]
ytchey keody chockhdy chotal okalshdy shdy qokar oty qoty shedy chedy dam
[P1, 4]
ydaiin chckhy chdal olar chckhdy chdody tar cham kedy daiin ykaiir shckhefy
[P1, 5]
lodaiin shedy qokedy chdy okedy dykaly — daiin chedy okeedy s ar air cthy
[P1, 6]
tos aiirchar shedy olaiin qotedy sheedy — qokaldy qokedy dair chody cthey m
[P1, 7]
dchedy cheeky dam ched l chedy chedy — okeedchsy qokeedy chcthdar or aicthy
[P1, 8]
yteedy shedy checkhdy chtedy daim
[P1, 9]
sheol or chey okaiin daim oty om
[P1, 10]
tolshey otedy chocpheod oty dam
[P1, 11]
dair aly chdam chcthy chdam
[P1, 12]
ykar chedy

Folio 47, Recto

[P1, 1]
pchair oly sheaiin shol daiin chdy
[P1, 2]
cholkchol chol choldy dair chad aiin
[P1, 3]
dor chol chy chaiin ckhey chol dain okaiin
[P1, 4]
qokcheo cthey cholkain chol daiin kchdal
[P1, 5]
dain ol⁀shey cholkolm

[P2, 6]
folr chey so chol shol⁀aiin shol shol chdy cholol
[P2, 7]
schesy kchor cthaiin chol chol chol chor ckhey
[P2, 8]
shokeey chy tchod choy sho chtchyf char ctham
[P2, 9]
qoko⁀kor chaiin okal chol daiin okcho⁀kchor sy
[P2, 10]
shy otcho keey tor chey otchy tchol dain dam
[P2, 11]
dsho cthey daiin daiin y

Folio 47, Verso

[P1, 1]
psheot cheor cholsho chopchy sal — sary
[P1, 2]
dsheey shy cthey otcheey daiidy chory — daiiy
[P1, 3]
shol char oteol dor otchol chkchy — daiin
[P1, 4]
qotol sheey kol sho keechy qoty — cthy
[P1, 5]
dsholy shees chor ody shy sy — sary
[P1, 6]
chody cheor saiin — dochod — chol

[P2, 7]
pchodaiin dair dcthy
[P2, 8]
daiin cheotar chodaly sal
[P2, 9]
qotcheey chety chol chol dain
[P2, 10]
chotcho ltchey o tcho tchy dy — chol chody dar
[P2, 11]
oteey cho chdy chy key chyky — dchy daiin chy
[P2, 12]
chy cho keesy chy chy cheky — chochy daiin
[P2, 13]
dshy daiin cholety chaiin — dcheey otald
[P2, 14]
chol etchey

Folio 48, Recto

[P1, 1]
pshdaiin ypchdy opchey ckhy dal sheodaiin sheokeol ykeeody olaiin opaldy
[P1, 2]
daiin yteeol cheody kechodshey qotedy chtaiin otchdy tedain okain ckhy
[P1, 3]
sheody she teoteey oteodaiin ody qoteo l kedy dol odal qotar opchety ldy
[P1, 4]
tolkeol dain otaiin ykeedy chet ytedy tedy qokdy tshdy chetedy ctheety r
[P1, 5]
ytchy teol okeody cheockhy olsheey qoekaiin octhey chol kar aiin cthar od
[P1, 6]
alshey lkeedy ytchedy qokedy lotal qotol otal ched okey ykeey daldy
[P1, 7]
tocthy qokeol yteedy lolkeol otolches al or ykeeodam okedy okam
[P1, 8]
otchdain shol oteol oteoly ykeey dam dr
[P1, 9]
yteched ar alkey okeoam

Folio 48, Verso

[P1, 1]
pcheodchy dshedy fchedy los aiin ykeeedy shey ypchedy teedy chdy ypair y
chedyty
[P1, 2]
chey tedy otchody ykeedy otar yotedy cthdy — okain chety choolkeey
[P1, 3]
alchey kor y keody olkeeey eeody chedy daly — okeeor aiin otar air am
[P1, 4]
dchedy teeddy otsh okeey ty otar alchdy — yteedy oteed y kedy m
[P1, 5]
lkeey qocthedy taiin shed qokar otedy dy — dain tolkain otam
[P1, 6]
shdy qokain okar otar or otees ol or ain — otal ok ytar chedy am

[P2, 7]
pchedar chey — ypchedy otedy shefchedy al — shedy otedy fcheodal ctheem
[P2, 8]
oteody chkey — okedy chcthedy ykedy oldy — otoly chey kaly tokar otam
[P2, 9]
tor shody okal — otchedy cheky oly loldy lol — otchdy otoldy ytam otedy
[P2, 10]
tol chedy ytedy — ykeol chdy chdor chtol chdy — ytchedal cthey okar ar ary
[P2, 11]
y keedal chcthey — ykal ytam or cheedls dary

Folio 49, Recto

[P1, 1]
poshol dy shor⁀shol shtchy shorpchor opchor shorkchy
[P1, 2]
qotor sho chotchy choshy qopchor qo[2] dor daiin
[P1, 3]
dsho — dchor dchor daiin dor cheo⁀raiin

[P2, 4]
ksho qodain chotshy dodar
[P2, 5]
chor sheor chey teey qotan
[P2, 6]
olor sheees[3] sheoty chol daiin
[P2, 7]
qokeor cheey qokchy qotody
[P2, 8]
chot chor chy cheet qolsor
[P2, 9]
o y keeey chey kshey choroiin
[P2, 10]
sho r choiin shor⁀shor⁀shy
[P2, 11]
chotcheol dchol

[P3, 12]
podaiin cheo kcho daiin chcphy
[P3, 13]
sod chol y tcheol daiin cphodd
[P3, 14]
qo[4] shoqoky shor sheor otol daiin
[P3, 15]
ochol chol chody dchodaiin daiin[5]
[P3, 16]
qocho[6] cheey dchey qotchody
[P3, 17]
olol ol‿chey chey kchy qotchol chosory
[P3, 18]
sheor cheol od cho dcheeey qotchotchy
[P3, 19]
dcheo r cheey keolchey chokchol chokan
[P3, 20]
qotcho chods cho choshy chs oriin
[P3, 21]
odchy chor cty shol

---

[2] There is a curlicue above qo as used in sh.

[3] There is a curlicue above the first e as used in sh.

[4] There is a curlicue above qo as used in sh.

[5] There is a curlicue above ai as used in sh.

[6] There is a curlicue above qo as used in sh.

Folio 49, Verso

[M1, 1]
f o r y e s k s p o r y e o s p o r y e o d y e k y

[P1, 2]
kshor shol cphokchol chcfhey
[P1, 3]
qokchy qokchod sho ckhy[7]
[P1, 4]
chotchy chcthy cthy koddy[8]
[P1, 5]
okeod⌒sho chotshol dag[9]
[P1, 6]
shol shodaiin qotchar[10]
[P1, 7]
qotchy chokchy choky[11]
[P1, 8]
chotchy chodaiin dan
[P1, 9]
qoteees cheo daiin dol
[P1, 10]
ochor sheeod ksheodl
[P1, 11]
qo⌒kshodaiin[12] shckhy dar
[P1, 12]
dchol cthol daiin choky
[P1, 13]
ochokeey ckhey daiin dain chokom
[P1, 14]
qokeol chokeeody otol kchos chol daiin

[P2, 15]
fchochor shol tchol opcheodal dchsy — chotchy
[P2, 16]
dcho d chol chokchodaiin chokchy tchol — okchokol
[P2, 17]
tchotchey chokeeodol rcheey otchodar — dcho dchom
[P2, 18]
shocho oaiin sheo choty

[P3, 19]
qotcho cheol chol s cho chcthey dcheol — chotchody
[P3, 20]
chokeo sho cheor cheo!kchct chor d aiin dy — daiin qokd
[P3, 21]
oaiin chy daiin chol chaiin kshardy — chokchy
[P3, 22]
qokeaiin cheo chor choteey kcheol dain — cho dairin
[P3, 23]
chokaiin cho dls chariin daiin chain dy — chctcho dy
[P3, 24]
oaiin cheky r cho rchseesy kchor sol — chcthos s
[P3, 25]
qotcheol chey chor chokaly chor dal — chaiind
[P3, 26]
chol chor ches chkalchy chokeeoky — chokoran
[P3, 27]
ykchokeo r cheey daiin

---

7 This line is preceded by a 1.

8 This line is preceded by a 2.

9 This line is preceded by a 3.

10 This line is preceded by a 4.

11 This line is preceded by a 5.

12 There is a curlicue above qo as used in sh.

Folio 50, Recto

[P1, 1]
psheor olkais olfchedy qopeeedar opchey dair olaiin chefchdy
[P1, 2]
sor orsheckhy ockhody shos alol dy kar oky daiiin okar ar okam
[P1, 3]
tshol kar sheedy okeody qokedy chody kchdy pchdy chkaiin odam
[P1, 4]
tchdy qokas chedy qokchdy qokaiin or ar alol keodaiin olr
[P1, 5]
solkchy chckhy qokchdy qokchdy okar ar y qokchdy kar ar okain
[P1, 6]
ykain ssear olkchedy okal qotor cheeor olkady daiin qoky
[P1, 7]
todalain qotal kaiin otaiin otal she kar ariin okchedy dariin
[P1, 8]
ykykaiin sheekar otchdy dar kar shedain taipar orolkain
[P1, 9]
ytchdy kchedy — ykeey kaiin qokain aldylosam
[P1, 10]
solkaiin — opalko chckhy dario chky

Folio 50, Verso

[P1, 1]
tchy do ldar shotchdy qokchdy opchedy qokol shor ofar fardam

[P1, 2]
tchodain oeeey okaiin shedy qokaly chdy oky keody cheey okain

[P1, 3]
pochedy qokody checthy shcthy dalol ykeeey qokedy okain okal

[P1, 4]
dar qoain olaiin olsaiin ol okeedy okchdy otar chcthey or

[P1, 5]
y chy tair chcthy qekaiin qodaiin olcheky chedy chkedy okedyd

[P1, 6]
daiin kedair okal chody qokedy okar okchey okedy otar chkeey

[P1, 7]
tedaiin odaiin or okaiin ykor daiin choky qotchdy key daisam

[P1, 8]
ykar okair otor qokedy ykchol kar chcthy olkaiin okain qod[13]

[P1, 9]
ytsheod ain sheshy echedy kchdy — otaiin okaiin oky

[P1, 10]
dchedy okaiin olchdy oloeedy — ykeeod ar arod

[P1, 11]
lchey kar ykchy kchdy

---

[13] There is a curlicue above o as used in sh.

Folio 51, Recto

[P1, 1]
tsholdchy qotchy opchear ypchedy
[P1, 2]
dcheodaiin ckheody ckhody chody
[P1, 3]
y⁀dchody ckhey oty ckheodar qoky
[P1, 4]
daiin cthes okol cheody ckhy cheeey
[P1, 5]
tcheody qodaiin ckhey qockhey taiin
[P1, 6]
ychodaiin chokaiin ykcho⁀daiin ykald
[P1, 7]
ychosar chckhy kcho qokchy qotal
[P1, 8]
oshol odaiin ckhey ckheody qokey otydy
[P1, 9]
tol daiin daim qchodal dal qody qoctam
[P1, 10]
ykchol dor shey qokeol kchey shol okam
[P1, 11]
tchodaiin cpheody qokol ot*odaiin kolotam
[P1, 12]
yoees ckheey kol cheeal okeor qockhey pchodal
[P1, 13]
oaiin ckhol ykeeol otchey cpheodaiin ykeoldy
[P1, 14]
daiicthy qodaiin kaiiidal — cphodal — r al — dam
[P1, 15]
qokol cheor ckhal s or aldy — otal

Folio 51, Verso

[P1, 1]
poshody qokodar shodaiin qotal — dscheey saiindy
[P1, 2]
dshody cthody qokol dykaiin chy — qokey daiin cthy
[P1, 3]
tchody cthy chckhey qod ytchody — dchol saiin ytam
[P1, 4]
otaiin qodal ytal cheodar sody — oteo daiin shokom
[P1, 5]
todaiin ytody qokol shodol qockhy — ykol otaiin dar y
[P1, 6]
okor ctheody qocphy qokol qotaiin — otykol chol daiin
[P1, 7]
qotol chodaiin qokcheody cho r chod — ycthol s olcheety
[P1, 8]
olkeeody qokal qodaiin ykeor yfal
[P1, 9]
daiin ckhol shain kcholol
[P1, 10]
ykeol sheo qokody fold
[P1, 11]
ycheoky sheey ykeey chey
[P1, 12]
ochockhy daiin chockhey
[P1, 13]
daiin cheol cheodain

Folio 52, Recto

[P1, 1]
tdokchcphy ycphekho ytair shar qopydaiin ypchy otchol dar yty

[P1, 2]
oty shor ytoldy qoky koldal oteees dal s — otar dl

[P1, 3]
tchotshey qoty okchol tchody qotam oky — ytoldy

[P1, 4]
l,shopchy qoky qotchy oty dar oty dam — ychcphod

[P1, 5]
oky chor okchal okchar shor tol ykair — ytchdam

[P1, 6]
daiin shedaiin qodal dy chokam otchordy — okchol do

[P1, 7]
qokshy qockhom dals shodaim tchom dody — ykeey daid am

[P1, 8]
orcheeey dor shey kom s cheey dchom daiin

Folio 52, Verso

[P1, 1]
pchor chcphol cphaiiin otcheor ytor kol chocphor
[P1, 2]
ytchey chol cthodaiis shy kor esechor chy dam
[P1, 3]
oor chor chochar ls ectheor ytol sheol otam
[P1, 4]
tchor ctheor ctheol cheeor cheol chckheey sody
[P1, 5]
yteey cthor cheor cpheodor dy — sarg
[P1, 6]
qotodaiin cthor oty kcholy

[P2, 7]
pcheol sholoiin cthor aiin
[P2, 8]
kodaiin cthy qokeey s ol
[P2, 9]
daiin ctheol chol qokeol daiin
[P2, 10]
yokeey qokody chol sols aiin
[P2, 11]
daiin shor qodaiin cthey sal
[P2, 12]
qoekar cthol ykchody cthy
[P2, 13]
ykor okaiiin ctheeey daiig
[P2, 14]
odar cheokor ctheey

Folio 53, Recto

[P1, 1]
kodam chocthody oty
[P1, 2]
dol dain schoshe oty
[P1, 3]
shoeer chokan ody
[P1, 4]
ytchodaiin yky otchey otod
[P1, 5]
oksh otol cfhy cphodol ykody qokchod — otcho qot oty
[P1, 6]
ykeodar oqoor ockhe odor chain qokod — ykchdy chees dal
[P1, 7]
sodar otos qoy tchy otey chos okod — ykchody qokchy
[P1, 8]
qotchol dar qoty chtor oltsho ctho — ykeeod oytoyd
[P1, 9]
otol chol ctheees os orol chod qoty

Folio 53, Verso

[P1, 1]
tshor shey qodckhy cpho oltshey daiin qopchy
[P1, 2]
okeey daiin sheekol shom shol cthy dchom do
[P1, 3]
ydaiin cphom chol dockhy cthol dam oty
[P1, 4]
qokol daiiin qockhor okchor daiio dai~~x~~n d
[P1, 5]
ysheey ckhol chckhey daiin ctheody ydy
[P1, 6]
ochoiky dshey chol ykcheody chol dam
[P1, 7]
todaiin shodaiin qotea dchy qotod odaiin
[P1, 8]
sheey kshody tsheody sheody sheetchy opod
[P1, 9]
octheody shody qodal cthody sheos shodaiin
[P1, 10]
ychocthy qodal shodaiin
[P1, 11]
otsho or chear sheod chkodal
[P1, 12]
ycheey kchy oky kody — odam
[P1, 13]
ycthodaiin otoldy

Folio 54, Recto

[P1, 1]
podaiin shodal qopchol cpheody — opcheol chocphey
[P1, 2]
ytodaiin otchey otchey qoctho dal — socthody sar
[P1, 3]
daiir cthody otol okchody ol s or y — ytchey dam
[P1, 4]
tor ockhol shokchy kol chom r — chey — ctheotol
[P1, 5]
sar sh okeodai~~x~~n chokey

[P2, 6]
korare ckhos shofom cher sham ksheor — she qkchol dam
[P2, 7]
dor s sheey ksheody sho or cheey chety — sol desh dam dam
[P2, 8]
toshey kodl ckho dar sheekal s aiin — okeom cthal
[P2, 9]
o aiin or ol sal qokor chor ckhol s — s sho chol daiin
[P2, 10]
tor ol dol or chol chol ckhol okol oky — ytchor ol koldy
[P2, 11]
daiin okor or ol ckhol chor chom dam — or sho chol dom
[P2, 12]
yor shodal o aiin al dol chock air oldam

Folio 54, Verso

[P1, 1]
pcheodar chpal oloiin ckhey dar qokeey cpheeaixn sal
[P1, 2]
dcheaixn cphaiin s ar cheor qodaiin cphaildy ypchal
[P1, 3]
yair ykar oky cham chody ykoldam cheol axm
[P1, 4]
dar chor cheky chol okaiin chody chol dy
[P1, 5]
odaiin ytaiin qodaim qokar chy s am
[P1, 6]
tol cheol shocthy qodaiin kchody
[P1, 7]
daiin sheody qoctheol s aiin qotchy
[P1, 8]
daiino daim qokaiin yteal okal om
[P1, 9]
ydaiin qockhey qodal ytam okal dy
[P1, 10]
kol ekaiin shckhy qokal dal qocthy
[P1, 11]
oaiin qockhy qokam
[P1, 12]
tol chol cthol s
[P1, 13]
ychol okal yckhey
[P1, 14]
tar cphey tam aldam
[P1, 15]
or alchy ytal dol chodoldy
[P1, 16]
daiin chol oldaiin

Folio 55, Recto

[P1, 1]
podaiin shekchy qofair okar yk chepaiin qokchdy or arod
[P1, 2]
okair or aiin chody ykair y qokar okar ol ykar or al
[P1, 3]
ykaiir chol chky okar chky chdy qokar okaiin chckhy saiin
[P1, 4]
daiin or orol char or kaiin okchd ykar odaiin chdolaiin
[P1, 5]
y or aiin okal chol kchoy pchtchdy oekaiin okaror olkam
[P1, 6]
tcho daiin sho kedy kedy okol chdy

[P2, 7]
tchedor cheolkedy chody kshdy qotchdy qokchdy olkardam
[P2, 8]
dchykey char chek xar odar xaloeees cpheody qokeeo dy
[P2, 9]
dain cheky das chckhy dal qoko lkeedy dar kaiin dy kam
[P2, 10]
dair okal qokar or orai o ar odaiin okeey dar chd ol
[P2, 11]
lchor chey keedy dy qokal okad dal shdy otal otaldiin
[P2, 12]
oain ckhy dl oiiin daiin okaiin chelal qokaiin okain r
[P2, 13]
lchdal ockhy daiin otol otar shar ain

Folio 55, Verso

[P1, 1]
kcheedchdy oedai*n chckhy — otol,daiin dodyd
[P1, 2]
oeeed yteey okeedy qoaiin — okeody ykeesan
[P1, 3]
qokeeey os ai*n qool al chedy — sar aiin ol kar am
[P1, 4]
okar chckhdy cheady keeyfar al — ychedy qokai*n ody
[P1, 5]
qokaiin chaiin ykain ykan ody — daiin chedy talam
[P1, 6]
ykaiin daiin ykair cheky daiin y

[P2, 7]
okchd kai*n cheokey or air — es kchdy pchol ar aldy dary
[P2, 8]
tor chedy qokaiin okar qol — otar!cho cthar talody okary
[P2, 9]
ykaky qokchy okal chey or — or aiin okaiin ykain otaky
[P2, 10]
oaiin ol s aiin okaiin oky — ytaiin otar ykal ykar ol
[P2, 11]
ykaiin cheoar cheeky oldy — aiin okal oltchy or y orain
[P2, 12]
daiin or cheky olkeechy sl — ar aiin daiin otam

Folio 56, Recto

[P1, 1]
otchar chchsty oty esedy chy ycho⁀cthy chol chy chy
[P1, 2]
chokchey chor chory kol chy chy!key choty sho kaiin
[P1, 3]
orchey chokchor chey keey qokeey chokeey choksy
[P1, 4]
qotchol chol chokol chkol chy — okal chdy
[P1, 5]
chochol cho chodary daiin
[P1, 6]
ykcho dy dchey keey daiin y
[P1, 7]
sho kchor otchol choky dar
[P1, 8]
schor choy choky checkhody

[P2, 9]
tchoky kchor shor chotcheytchor
[P2, 10]
ytchol otchy chokyt shey l okaiin
[P2, 11]
shy kcheey daiin cthor chol chokol
[P2, 12]
sh cho kchey qokokchey
[P2, 13]
okchy chokcheo kchar
[P2, 14]
schor chotor qotchy
[P2, 15]
tchotchor chor cthy
[P2, 16]
qotchy chody cthol chey kchal ɤ
[P2, 17]
chokeey qokcheey scheey daiin dy
[P2, 18]
sho chokchy kchoal — sotodan
[P2, 19]
otcheey keor daiin

Folio 56, Verso

[P1, 1]
kcheat shol chey qokoiin shor qotcheol choror
[P1, 2]
shod!sheey qoteeey qoteey daiin qoteey cthar
[P1, 3]
ochey chol chol qotchey daiin choteeey dal
[P1, 4]
schy tchey daiin deey tod — dai!n
[P1, 5]
qoteees sho kcheeey saiin
[P1, 6]
chokchol chor cthos

[P2, 7]
kchokchy ckheol shol chol otchy d
[P2, 8]
ykchor chokchy qokcho tcheeey kol
[P2, 9]
shotchot chokchy kcho kaiin oky
[P2, 10]
ol kchy ksho shy ytol chotor ydy
[P2, 11]
chotchey keeol chey kchol tchain
[P2, 12]
qokchey ctheey lkeey kche~~x~~y tain
[P2, 13]
ykor aiin chorol sho shol daiin
[P2, 14]
chol cheo kchol chol choky chotor
[P2, 15]
otchol chol chol daiin chotaiin
[P2, 16]
sokol chol chol daiin

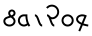
Folio 57, Recto

[P1, 1]
poeeo⁀ckhey odain cheop sheody shocfhey dy sheep sheody yodam
[P1, 2]
daiir air chety cheo ckhy chockhy cheotey shkchey s odaiin shey
[P1, 3]
qykeeody cheooky qokeody sheey okeody cheody cheeody cheekeody
[P1, 4]
dchos cheocthy cheody qoteeody octhody okeeody ecthody cheody s
[P1, 5]
qokeeo daiin cheeodam

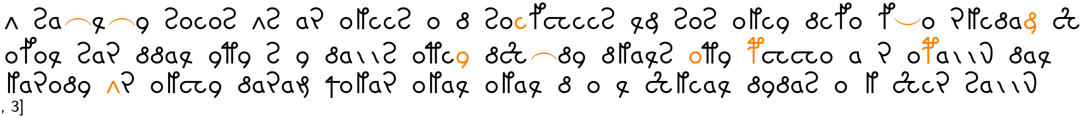
[P2, 6]
tsheodal okam chckhey okchdy doctho opchey dy kodain oforam
[P2, 7]
daiis sheedy qokeedy chetey — otchod shekey tedy okaldm
[P2, 8]
tair sheedy lchedy ckhchdy — okchy chedy dal qokedam
[P2, 9]
odair sheeo ckhy sar al daiidy — dcheckhey daiin chedy cthedy
[P2, 10]
qoetchey kedy shedaiin — s cheos ykeos qcthey tcfhy
[P2, 11]
dshedy etechy cthedom

Folio 57, Verso

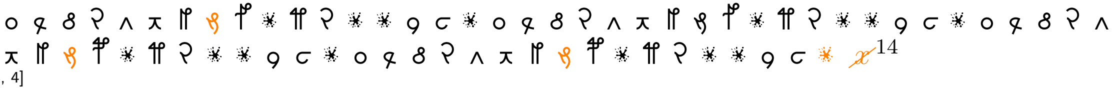
[T1, 1]



[R1, 2]

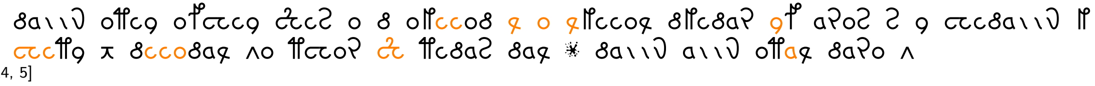


[R2, 3]

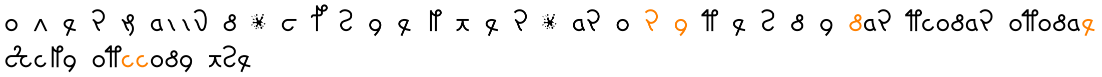


[14]

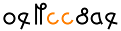
[R3, 4]



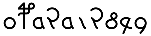
[R4, 5]



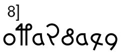
[L1, 6]



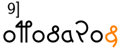
[L2, 7]



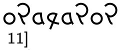
[L3, 8]



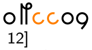
[L4, 9]



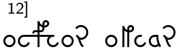
[L5, 10]



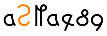
[L6, 11]



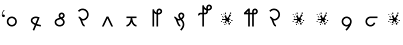
[L7, 12]



[L8, 13]



---

14 Apparently, R2 repeats the sequence “” four times.

Folio 58, Recto

[P1, 1]
kor cholfy shopchy otoralchy chofchol sholy otaly dal m

[P1, 2]
dshodal or ckhy olchear char tal ytal ytar olchokal

[P1, 3]
ykechod daldalm ytam choty otchy otaly shoty s

[P1, 4]
dshor cholar aiin shalom shaly dalchy okeom dal sholalam

[P1, 5]
qor dchairam otar otar char ar al char arary ytalar cham

[P1, 6]
torchey otaiin chary oteory otal dalchor ykeey choltam

[P1, 7]
saiin cholkeey dal shom sholteol ytalody otey cheoly o tchy

[P1, 8]
toleeshal oleeam dalor chy oteodchy yteochy otey kal dy alam

[P1, 9]
sholaiin cheeey yteo!daiin qoar aiin arary sheey daiin ealam

[P1, 10]
tal ar am shar chepchey otar aldy otal cheam qokaiin ote sy

[P1, 11]
qocphody qokalam chairal qoetaiin otalal dalor orar

[P1, 12]
shoar ar choldal otalchal dal choldy okalys airaldy shar

[P1, 13]
ytar sheear cheoldy ykeol cheal cheody chal chaiin ol oly

[P1, 14]
sharam okair chekaiin ytchaly dal chal ykal okalal oly chal

[P1, 15]
dair shal qopaiim cholaly dy shedy

[P2, 16]
typchey ar air ytashy qotyshey pchdy dshaly pydaly choky opy

[P2, 17]
ysholshy qotoly daiin ykal dalchdy qoky dal ytchody s olaraly

[P2, 18]
darar shol cholraly cholaiin odaiin chaly dalar aiin okal otal

[P2, 19]
todal qotey chaly dal qokaldy otary okalal sheees chal ochaly

[P2, 20]
ysheockhy oleeeey oleesey olaiin olkeal daldy otalar ar arodaim

[P2, 21]
tcheos ycheor sheain okey qotaily daiin chy cholkor olkeol oty

[P2, 22]
dcholy ytar chol dal qoaiir chalolky osal chotam chal olseed

[P2, 23]
shol aleedy chotar okeal sheody qokalchar otal choky sar

[P2, 24]
tarain oteeos okeal ar otalor cheoekar cheky otakar

[P2, 25]
oar cheekey oteeoaly otar altar or aldar

[P3, 26]
kshar shoky ofcheear ofadain ofsheolaiin ofydaiin fodaiir

[P3, 27]
yteor oty chaltar ar sheetchy tal al chear chear chor ar am

[P3, 28]
yshealkair odalaly dalal chy s air shokar olaldy okalody

[P3, 29]
odalar cheor sar alol daly cheom chor ar aldam chal cheal sody

[P3, 30]
ytor ar alom qokalor chdy dair chody cheol okolchy otaldy

[P3, 31]
odshchol taiin okalor chol olekar otarchol chol kag qokal

[P3, 32]
oqotaly qokaiin chtaldy qoky dar al choltaly qokaldy

[P3, 33]
schocphy dalols qokalos cheor ockhody qokaly qokar dy

[P3, 34]
ys sheol chokey dalol shokalol qokaly kaldy ytaifom

[P3, 35]
dtos sheol qokor sharal cthol sholar aiin sheocpham

[P3, 36]
skaiin shokal chocthy qoky chcphy ykeeshy shoekar

[P3, 37]
ofolkeor olchocfhy cphol chykaldy cholols chkaiin olfcham

[P3, 38]
sysheos okaly cheos otey ykar ls aiin okaiin ytolkal

[P3, 39]
dtshol dytal okar olol sheol qocthy qokaly salol dalam

[P3, 40]
yroleeey arairaly fchody tshaly alols ykaly kar aram

[P3, 41]
dchol chokal saiin dal okalsalchey

Folio 58, Verso

[P1, 1]
tol sholkchy opaiin opaiin chofaly ypar ypal opal opaldaiin
[P1, 2]
dair or sheaiin tair y qotalody saiin okeody qotair ar alor orky
[P1, 3]
todal qotain sho⌒ctheey qokeol okey qokalchal daly ar aim
[P1, 4]
or aiin okair y dairal qokal qokaiin qokaly okar olkaly okal
[P1, 5]
faiir ofarar qotaiin sholy qotaiin yqokaly okal qokaly okaly
[P1, 6]
qokair or aly shor daiin choly dal ykaiin orm fchey okaly oky
[P1, 7]
y daiin qokeey qokar lchedy qokalor sheols oteor aiin cheky
[P1, 8]
taiin cthey daldy qokair alar ytal aiin otaiin ykaiin ykaly dam
[P1, 9]
salal qolaiin chocthey tcholy qokaiin qokaiinos orcheey olaly
[P1, 10]
ykair shey key ctholy qotalor qokals qokaiin okal okaldy ory
[P1, 11]
tcholshol tor qokairor y ykaiin dory okaiir chodaiin otals
[P1, 12]
oreeeey cheekey cheal qokey chedal dy tolair opchey poaly cfhy
[P1, 13]
qoeear alkeain ytal chos alor okal chcthy tal ckhey kar
[P1, 14]
shar air alos chol oeear sho qotal chol talar tar ar⌒opam
[P1, 15]
qotoiin okal aral s air qoal talchos okal cho ytam dam
[P1, 16]
ykaiin qokair okaly qokal chaly cheocthey olaly taldar al
[P1, 17]
daiin alal dal qokiir otal chodol qokeal cheol chos okeeam
[P1, 18]
taiin chal sheal qocthy dar aiin octhey qokeey qoaiin aral
[P1, 19]
okair chokal sheoldy qokor olkam cheol dar chokeey okalchy
[P1, 20]
tolain ar ykeain qokeey otal chol okal ar chety chkalar ol
[P1, 21]
olain olalor odaiin qotais otal qokal dair oishy otam
[T1, 22]
xokar sheey shekealy

[P2, 23]
pchshy sheoltey shopalchedy sheolkeal qokar aldaiin qokalar dal
[P2, 24]
qokal daiin qokal chad qokalcheol okorair ainarals okom daly
[P2, 25]
qotain okeor sheey qokeol okeoly qokaly qokairor tas ykal
[P2, 26]
ykaly qokal ol al qokeos okalar okos al shekar qokair⌒alam
[P2, 27]
qokar s aiin al y qokchedy qoekaly odaiin qokar chor olaiin⌒om
[P2, 28]
ycheo⌒cthy okey okal otaly okaldy okeor sheey

[P3, 29]
polal keeo oleecthey dalar ykeeody choar cthar yfair alam
[P3, 30]
daiin sheocthy ykey sheky qokal qokeey okain okar ol dam
[P3, 31]
tcheor chor kar okal qokeey qokal shol qokain ar octalchd
[P3, 32]
psheey qoty qokar qokey ky ykar cheal otal kol olchedy
[P3, 33]
qoais chol⌒ar chey

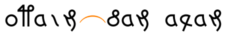
[P4, 34]
tolsheo keo!ar qopcheol dar arfchy opchal shockhy okaly
[P4, 35]
daiin otaiin okaiin chey okeey qokeeos olar sheo doly dalychs
[P4, 36]
tcheody okeor ockhy qokal okal shokey qokeey dalar
[P4, 37]
olkeey okar ar choky otair otol chokey cheeky dalar
[P4, 38]
ykeeody qokar qoky keey qokol okol okor cheky sydy
[P4, 39]
oshor qokaiin okam shear cher sarols

Folios 59 – 64

Folios 59 – 64 are missing from the manuscript.

Folio 65, Recto

[L1, 1]



Folio 65, Verso

[P1, 1]
cphy tchecthy dy — dchepain shefy qopy tol chpdy
[P1, 2]
daiin sheek l ody — yfeo qopr air cheofeey dalam
[P1, 3]
yfal cheof shky y — eas cheody

[P2, 4]
foeedy ofor shedy — yfeey sheody qokesd ytchey
[P2, 5]
dshedy okeody qokd — shckhy choky chokeody okey dy
[P2, 6]
qo yfchey shckhe cphy — ykchedy chedy shckhdy

Folio 66, Recto

[L1, 1]
rary
[L2, 2]
rals
[L3, 3]
qor
[L4, 4]
dary
[L5, 5]
ykeol
[L6, 6]
saly
[L7, 7]
salf
[L8, 8]
fary
[L9, 9]
qotesy
[L10, 10]
ykalo
[L11, 11]
d*oly
[L12, 12]
saiin
[L13, 13]
qokal
[L14, 14]
qolsa
[L15, 15]
raral

[M1, 16]
y o s sh y d o f e x air d sh y f f y o d r f e * x k o * l r k o x p d

[P1, 17]
pdaiin oteedy opchedy chap chefchy shddy ypches cholpchd okedals
[P1, 18]
rair shekey qokeedar okal okedy qokeedy qokal okedy qokshd
[P1, 19]
ykshedy chody cthdy qokees cheeo okcho dy chekeey chedy chcthy
[P1, 20]
shdy qotedy chdy chedy qotedal chcfheor ykchdy dar qotey kol ar
[P1, 21]
qokeeody qokeody qokeody qokar sheky qokeeody okedy kodary
[P1, 22]
ykeeody choekchy okeody chekeody qokeey dyky chctho rotaiin
[P1, 23]
dsheol okaiin sheodaiin

[P2, 24]
tocpheey dol kchody qokeody qokshy qopaiin dair⌒ykodar okyd
[P2, 25]
dshol daiir dal ky shky qoky shekair choty dar okchy shdy ykol
[P2, 26]
qocheky shcthy dalal shedy cheta⌒r sheod shokaiir chcthey dard
[P2, 27]
shor sheodal sholdy qokchedy qofchy qoty chedaiir chees kardy
[P2, 28]
qokchey qokaiir cheky daly daiin dal shedy chedy lkar ol okedy
[P2, 29]
ol cheeky daiir chky axor akar shy daiin

[P3, 30]
pchof sholfordaiin qotar otalor pchedys chedy dar odair ofaram
[P3, 31]
dalcheeeky sheol dairody chekchy shed ykeshxo l lor sheor cheyl
[P3, 32]
dor shedy okar shedy kcheody chxar daly pchdar cheor aly sy
[P3, 33]
shor shckheody dal shedy qokor al shes

[P4, 34]
psheody cphol shofol okeody qokoldy ytarody shedy shedy dair
[P4, 35]
sair ol daiin daiin dal dol cheody dair aly dairal dolar shy dor
[P4, 36]
tosheo qokaldy oky ol kcheeky qoky dary okees oly

[P5, 37]
todeeey keody chdy keody shedy shekeefy chdy sheol shol kedy daly
[P5, 38]
raiir cheol kal sheody chcthedy dal shol qokeody chody kchody
[P5, 39]
rshedy oteedy ykeeody sheocthy ol ld lshedy chokeey chekey chey
[P5, 40]
ysheeeod qoteeod qotol qoky chckhedy shey dcheol chekey cheo dor
[P5, 41]
ydaiin shody otchedy oteochey tolchedy lsheody qoky daiin otam
[P5, 42]
tcheo sheor oteody lpchees ol ar alkey okey ltsholy shecthy r ol
[P5, 43]
daiin sheol qocthedy qokedy lchey qokaly shcthy qotal otchedy
[P5, 44]
qokey ar olkeol qokal cheoky ykchdy chody sheody qoky ldy
[P5, 45]
dor aiin sheeol lshedy lchedy cheedy shekol dalol lodaiin
[P5, 46]
sheol oteey ldaiin okalchedy pchedy kody qotchedy cphedy
[P5, 47]
daiin shey qoteoly raiin sheedy shcthy lkeol qokol dkar
[P5, 48]
lchey lkeedy chety shekaly shckhar

[L16, 49]
otcheo daiin chty ykeescheg

Folio 66, Verso

[P1, 1]
okeodop cheod ychoopy ofch dal dorsheepy ytody daldeam
[P1, 2]
teodal tchedy dshey okshedy okeedy dcheeky daldy qotal sy
[P1, 3]
ykeos s or sheeky okechdy okchdal dar otal chody cheky
[P1, 4]
shokeshy daiin cheos cheky dol chckhy dal kodal chekal dal
[P1, 5]
shdy shedepam qokedy chokal dal

[P2, 6]
tchod sheody shckhhd chos chor sheo keody chefar sheofam
[P2, 7]
qokeos sheody chekeos chody kotody qotchdy chckhd ytchdy
[P2, 8]
dchekeedy cheody qokeedy qokol keedy cheky chety kody¶

[P3, 9]
fody sheody chfadar sheey pchdly cheos!eesey kchy qopchal
[P3, 10]
dshal keedy qokyr okaiin dol kal daiin otal dokal okam
[P3, 11]
yteeod aiin shekeod s aiin ykopar otaiin otar chedy kara
[P3, 12]
qokar okedy cheky dal chekal chckhy kal kal dar chkchody
[P3, 13]
ydees shey daiin dalkal — ykedaiin shedar okchdy oty

Folio 67, Recto 1

[P1, 1]
teeodaiin shey cphairody osaiin yteeoey shey cphaiin oaiin
[P1, 2]
daiir okeody qockhey sar octhody oteey keey keo keeodal
[P1, 3]
ycheeo s oeem cheos aiin okesoe ar‿am sheees dalaiin dam
[P1, 4]
cheo!daiin chckhey s!ar air s!oar cheey dair cthey

[R1, 5]
soairol shdy chokeody ykeedal ol oteodaiin chocthedy ot cthokaiin choteedy
otor cphey cphiir ar sheeees deedy socthed octh✗ey soeokeot y chokeoky chocthy
okees sor aiin daram seeder chdar dar deeschdy dar dar ar otar dar ykaros
[R2, 6]
dair al cheol dal ockhaiin sol daiin cthes saino ykeos l chy otodaiin chcthdy
otar dai✗r ar chedar okeedy oteodaiin ychsy chcthey ot dol al cheor okeor
oiiin chekhy ary okeokedr oshey shchey chol daiir dain cho dar aldy
[R3, 7]
arsheor qoikeey oteeos cheocthey oteochedy okechdar dararal okeosar sotey dair
yte✱y oteos oteees oteo otesey sheokeey oteodal chokeed sar ainy otokeedar
deecthy okeey teodain chckhy dair cpharam

[L1, 8]
otaldy
[L2, 9]
otoky
[L3, 10]
seeaiir
[L4, 11]
ykees ara
[L5, 12]
sosaiir
[L6, 13]
oteey dar
[L7, 14]
yto daiir
[L8, 15]
sheosam
[L9, 16]
ykeeody
[L10, 17]
okeol sal
[L11, 18]
okeey sar
[L12, 19]
dalary

Folio 67, Recto 2

[T1, 1]
ykchs ykchos
[P1, 2]
todaiin dain dy
[P1, 3]
orchoer aiin
[P1, 4]
choeey ral
[P1, 5]
dodaii*
[L1, 6]
okodar

[T2, 7]
ykchyr arag
[P2, 8]
opodchol sain aldy
[P2, 9]
soeey doiin oldy
[L2, 10]
dolchsody
[L3, 11]
qotoear

[T3, 12]
ykecho ols eesydy
[P3, 13]
odaiiiin otoes oekain y
[P3, 14]
otchey so!raiis dy
[P3, 15]
qopchy daiin dal
[L4, 16]
dchodar

[T4, 17]
soy shr okar
[P4, 18]
ydchos ain ar ajy
[P4, 19]
chocphy saral
[P4, 20]
sain oj or
[L5, 21]
okal
[L6, 22]
ysaldal

[T5, 23]
shekchy sykor
[P5, 24]
eoporchy salsoixn
[P5, 25]
sodar opor ar
[P5, 26]
ydag
[L7, 27]
ytodal

[T6, 28]
ykeody okchy
[P6, 29]
yteoor yto ykor
[P6, 30]
okeor aiin ag
[L8, 31]
okain ag

[L9, 32]
tol daiin

[T7, 33]
dchetdy
[P7, 34]
ytody saiin
[P7, 35]
ochol olol
[L10, 36]
opcholdy
[L11, 37]
otardy

[T8, 38]
ykchykchey ykchys
[P8, 39]
dorar odar air aloiin
[P8, 40]
dokan oear odal
[L12, 41]
ofar oeoldan
[L13, 42]
chodalg

[T9, 43]
chkchdar
[P9, 44]
chol d~~x~~iin okol
[P9, 45]
ytor daiin or
[L14, 46]
ytoaiin
[L15, 47]
ytchodly

[T10, 48]
ykar ykaly
[P10, 49]
otoldos octheolc
[P10, 50]
sor chedaiin dy
[P10, 51]
yteos oiin og
[L16, 52]
ockhys

[T11, 53]
lkshykchy okar
[P11, 54]
ytoeopchey chekody
[P11, 55]
sosho chos ockhy
[P11, 56]
daiin aiin os yrg
[L17, 57]
ytokar

[T12, 58]
chky chykchr chy
[P12, 59]
ofydy sheody aiin
[P12, 60]
ycheody es odaiiin
[P12, 61]
yekees oraly

[L18, 62]
ytain
[L19, 63]
ofolor

[R1, 64]
s air so!eor cpheey okodas ocpheeod s!acfhey osar oran

[P13, 65]
dar aldaiiin ydaiiin qkoy ydaiiin qotair ypair ykoaiiin ydoly yfalchos oly okey
[P13, 66]
sshey syshees qeykeey ykchey ykchey qokeochy oaiiin okolar ol
[P13, 67]
yshey qokeeody cheeos oeeos qockhy chos aiiin okeeody qokoaiiin odai~~x~~n ar oiroy

Folio 67, Verso 2

[L1, 1]
otararain
[L2, 2]
okshosam
[L3, 3]
otshdy

[P1, 4]
tol or air am otoly caxn m
[P1, 5]
daiin toedaiin or okor

[P2, 6]
okchy kchoy xsalal
[P2, 7]
ykoral,am olalade odam

[P3, 8]
toal daim sakar dam
[P3, 9]
solair cphey solal daly

[P4, 10]
okeol sheol ar okal,dam
[P4, 11]
koaiin opal ol opalaiin,oar

[L4, 12]
okeeey oekshdy
[L5, 13]
oeola,les airar
[L6, 14]
oar ykaly shar
[L7, 15]
okaralct olkao

[L8, 16]
okydshog oapoaly
[L9, 17]
osh,ekais okolaim
[L10, 18]
qokoaiis ocphey
[L11, 19]
dsheeor oshefalain

[L12, 20]
soaiin — dalam
[L13, 21]
sory — okoral

Folio 67, Verso 1

[01, Label 1]
dchesykchy
[02, Label 2]
ykeodar
[03, Label 3]
dcheoskol
[04, Label 4]
octhosam
[05, Label 5]
kochardy
[06, Label 6]
ochodare
[07, Label 7]
ols aiiny
[08, Label 8]
damam!m!
[09, Label 9]
dairkal
[10, Label 10]
okal ary
[11, Label 11]
dar echkalal
[12, Label 12]
okolaldy

[13, Paragraph 1]
pchodair otch oekeeody

[14, Paragraph 2]
dcheeos qokiiiody ches olcheeg

[15, Paragraph 3]
ykeeo cheo daiin ypcheg oty

[16, Paragraph 4]
opcheey chso cheey chedaly

[17, Paragraph 5]
ykeeey qokeey chokeear

[18, Paragraph 6]
osheey keeody ches⁀dals

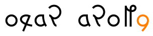
[19, Paragraph 7]
okar shey qokcheor daiiir

[20, Paragraph 8]
oeees otechy okeey

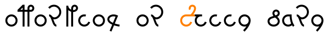
[21, Paragraph 9]
okeeodaiin sair dairal

[22, Paragraph 10]
oksheeody or aral

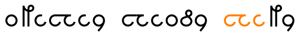
[23, Paragraph 11]



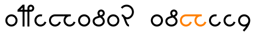
[24, Paragraph 12]



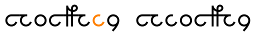
[25, Paragraph 13]



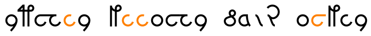
[26, Paragraph 14]



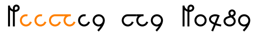
[27, Paragraph 15]



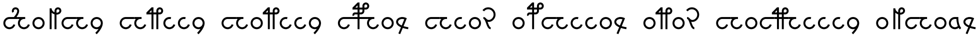
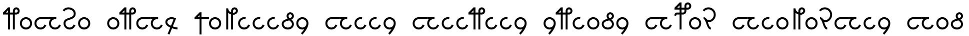
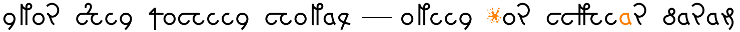
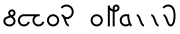
[28, Paragraph 16]



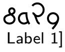
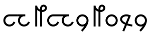
[29, Paragraph 17]

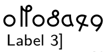
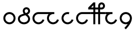
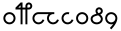
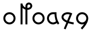
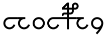
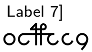
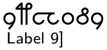
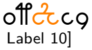
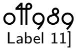
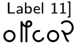
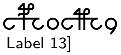
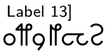
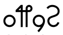
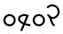
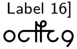
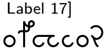
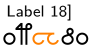
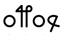
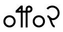
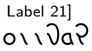
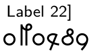
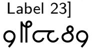
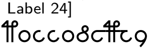
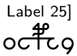
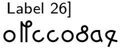
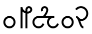


Folio 68, Recto 1

[01, Paragraph 1]

[02, Paragraph 1]

[03, Paragraph 1]

[04, Paragraph 1]


[05, Label 1]

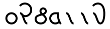
[06, Label 1]

[07, Label 1]


[08, Label 2]
[15]
[09, Label 3]

[10, Label 4]

[11, Label 5]

[12, Label 6]

[13, Label 7]

[14, Label 8]

[15, Label 9]

[16, Label 10]

[17, Label 11]

[18, Label 12]

[19, Label 13]

[20, Label 14]

[21, Label 15]

[22, Label 16]

[23, Label 17]

[24, Label 18]

[25, Label 19]

[26, Label 20]

[27, Label 21]

[28, Label 22]

[29, Label 23]

[30, Label 24]

[31, Label 25]

[32, Label 26]

[33, Label 27]


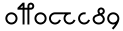
---

[15] Here, from L2 to L27, the order of labels has been rearranged so that they can be read (roughly) from left to right and from top to bottom.

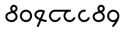
[34, Label 28]



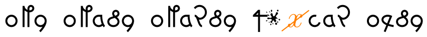
[35, Label 29]



[36, Label 30]



[37, Label 31]



Folio 68, Recto 2

[01, Paragraph 1]
tsheeor chor,sheal,dar opchey oeecthy sheol dokechy otcheoly
[02, Paragraph 1]
dchy ykeechy dchyky okeeoda rcheodal chokeey cheor oram
[03, Paragraph 1]
tcheos otchoky okchol okol sheeor chodchy qokchdar
[04, Paragraph 1]
chor chesy oreed qoeeckhy qockheol qokeol cheoal dcholal
[05, Paragraph 1]
kcheoey cheody — sain ykeody chykchy

[06, Label 1]
okeo okar oko okoky okaesy qokool cheo qoiol

[07, Label 2]
otolchcthy
[08, Label 3]
cheo!rol
[09, Label 4]
odaiin
[10, Label 5]
ochory
[11, Label 6]
shdar
[12, Label 7]
dchol
[13, Label 8]
todaraiily
[14, Label 9]
olcheesey
[15, Label 10]
okchor
[16, Label 11]
oteool
[17, Label 12]
oydchy
[18, Label 13]
cholar
[19, Label 14]
okcheody
[20, Label 15]
dcheoldy
[21, Label 16]
oteeeor
[22, Label 17]
otoeeo
[23, Label 18]
ofcheody
[24, Label 19]
otcheodar
[25, Label 20]
odair,chol
[26, Label 21]
opocphor
[27, Label 22]
otoshol
[28, Label 23]
chodar
[29, Label 24]
shchy
[30, Label 25]
okeechor

[31, Label 26]
okey okoaiin okol oky oeeeo r okey okeeol cheo o koiin

Folio 68, Recto 3

[01; Ring 1]
odeed oteedy cheoteey oshchey chokol cheody chedy oteodaiin otchodal sol
cheor oteo choteey octhody opcheody dchedy daiin oteeody dadcheody oteeody
qochecthim dcheeo okeodly do ls oschaiin cheockhedchy chodal sheody chol⁀al
oteodched okedy qokeey choky dol daleeem okioaiir

[02; Line 1]
dchey qokeey dcheeey daiin otchal
[03; Line 2]
toees ykeoshe qokolchey qokchdy
[04; Line 3]
tochedy chocphy qokchdy dol okald
[05; Line 4]
dchykchy daiir chok ockhodar
[06; Line 5]
qokol⁀chdchol qoteey chokechy okchdy
[07; Line 6]
dchokchy shey okey oteos okolshy
[08; Line 7]
pchody qokchy dshol dsy⁀otmoldl
[09; Line 8]
kchoty oteey daiin dcheeody oteey

[10; Label 1]
doary
[11; Label 2]
oalcheol
[12; Label 3]
dchol⁀day
[13; Label 4]
otory
[14; Label 5]
okos
[15; Label 6]
okolchy
[16; Label 7]
checphy
[17; Label 8]
chdy yky
[18; Label 9]
darall
[19; Label 10]
o⁀cphyd
[20; Label 11]
okchody
[21; Label 12]
otydm

[22; Ring 2]
otchody chokchy okol cheol dar cho keol dolaiin okeol ody

Folio 68, Verso 3

[01; Paragraph 1]
tchedy chcphy daiidy shol kcheoly choteol shol!s!chey shodaiin chctshedy
otsho qooto seeey

[02; Paragraph 1]
sesey!kcheeol shchy qety sheey otchol chal sheey daiin sheody qokol aiir chor
cheoty oty

[03; Paragraph 1]
sho chokar sor chor cheky daiin das!aiin — ytey tol cheeetchol s!am

[04; Paragraph 1]
dcheey qockhey chydy

[05; Ring 1]
oko otol ees choty chedas otchdy s!or ockaiin oteol dar cheo dais qoeeokaiin
otchey dal cheky ykes qokeol s!ol oy ykeoees yty dy dy chody otol!olees oty
sar qoteey otey chey kodar dar sheody sheees daiin oteeoaly oteeosol ol okol
olsey tol cheol okeey chockhchy okchy qokchshy dchol chshek

[06; Line 1]
ycheeo key qokal okeeg

[07; Line 2]
qokeody okeey chekchy chckhy okalody chedy

[08; Line 3]
shockha!l sheky okolchey okoldam

[09; Line 4]
okeol cheoda qolkeey ocheky eeody okchdy oko okos

[10; Line 5]
r al chdail schekol okeody

[11; Line 6]
ocheol qoeey keody cheoky okchy chodo dy oteem

[12; Line 7]
ydaiil ol chok okchyd

[13; Line 8]
ochey chekchy dkeeeg cheekey teolkechey saiir

[14; Ring 2]
okosy okchy okol chockey okeoeeey ol yko!r otair!or orol orkeeey olkeeoly
ykeeol

[15; Label 1]
otodol

[16; Label 2]
opcholdg

[17; Paragraph 2]
doar ykeol darol daly

[18; Paragraph 2]
solaiin cthey olckeey dy

[19; Paragraph 2]
ykeol ctheecphy dar

Folio 68, Verso 2

[01; Paragraph 1]
teeody shcthey psheody shocthy ykeody shdy shot y!tchy
[02; Paragraph 1]
dchaiin shey dcheedy qokeey shekeey dal dy sheet!ey daldy
[03; Paragraph 1]
qoeeey shekeey shkeey s alchey cthy shteody qoteeody dam
[04; Paragraph 1]
okeey sheoy keol ycheety okeody shey qokey chol chekody
[05; Paragraph 1]
scheos seekey okey chody — okeos cheo salar oalchdm

[06; Ring 1]
okeodaiin ykeeody shsdy shy!okeey dalches okos cheky otees !otey!dy okechoy
yteody cheteedy chedady c*eectheey otychdy oteey cpheeody otey! chkey daiin
chey dair oteeys rar octheey dor!chy okchy! qokeechy dal chy chokeeey sory

[07; Line 1]
choteey daro
[08; Line 2]
otey dala!r
[09; Line 3]
yshesos ar shy
[10; Line 4]
socth!s chety
[11; Line 5]
yteody chetey
[12; Line 6]
otchos alamchy
[13; Line 7]
adair!chdy aiin
[14; Line 8]
dchedal daiin

[15; Label 1]
y!keeepol — y!pchy
[16; Label 2]
otosey — sa!ry!
[17; Label 3]
oteoys — orasaly
[18; Label 4]
otchdy — chetal

Folio 68, Verso 1

[01; Ring 1]
ees aiir ol cho aiin ykeeykeey shes chotey y!keey sses aiin okeyteey cthody
ches!okeeoteody chocth!y otol okeody sheos chkorchy dy dy shety oteey dair
chotedy chey dal daiin dakeey shes ol keey shey chteey sheely shes yeed
shokeolls

[02; Ring 2]
sho yteod oteeol okeeos or chos or oeko aiin chol ykeey sheo s cheo!ekeey
cheodaiir cheekchey chkeody otchy teeos sh cheo eky okey doleed s aly oteotey
otechs opai!n cheear s oteey dain dy!cheecthy oteeos oteol okeos! okeeody

[03; Line 1]
dair cpche!ty dy

[04; Line 2]
sair arolsas!

[05; Line 3]
oteeos araly

[06; Line 4]
okechdaral

[07; Line 5]
otol ches otaly

[08; Line 6]
okeey ch ek chekeys

[09; Line 7]
dar shes shokey

[10; Line 8]
oteodain sar

Folio 69, Recto

[01; Paragraph 1]
tcheeos shey opaiin chey shey qokeea!shdy ol ot otal sar
[02; Paragraph 1]
daiin shey okaiin shkechy sheey tey chy cthey otol cham
[03; Paragraph 1]
sheos!aiin ct!!!!ar choctey okal chy ykar ytchey cheotam
[04; Paragraph 1]
y!cheo r!aiin ychey otaiin okchor yty chkal shol

[05; Title 1]
shy cht!air!y
[06; Title 2]
yt!octear
[07; Title 3]
ytey cholam
[08; Title 4]
dair ar yteey chdy
[09; Title 5]
okair os air
[10; Title 6]
chy to s aly
[11; Title 7]
chetar ar aly
[12; Title 8]
dalr al ody
[13; Title 9]
dal daiin otolam
[14; Title 10]
ytcheody!tor
[15; Title 11]
oteos cho!p ota!ky
[16; Title 12]
ar odain chtaly
[17; Title 13]
oto dar archol
[18; Title 14]
okeeo chey dy
[19; Title 15]
dcho!char ar
[20; Title 16]
ytal air al

[21; Line 1]
okch!octhey okar ar
[22; Line 2]
cheg ar tho!r ary
[23; Line 3]
sair chekey dairam
[24; Line 4]
okcho dal oka!r a!r
[25; Line 5]
sol aiir okey!tam
[26; Line 6]
okeos ar alg
[27; Line 7]
docheeo kody sar
[28; Line 8]
dchokey shkchody al
[29; Line 9]
chor al ylcho ral
[30; Line 10]
soir al okody otedy
[31; Line 11]
okody cheody sar
[32; Line 12]
chokeod okeea
[33; Line 13]
dkochy ctheody dy
[34; Line 14]
chodchy chotal
[35; Line 15]
okeo sho qotam
[36; Line 16]
okeodar oteody

[37; Line 17]
ykeeos al dair dar

[38; Line 18]
ykeey dal oky

[39; Line 19]
doly dal dar chyky

[40; Line 20]
okchol tokol dalo

[41; Line 21]
ykchody otar

[41; Line 22]
dar!y dar aloly

[42; Ring 1]
oko!eese dain!key ochs cheor yteey o!kcheo dar cho okchos al aiin

[43; Ring 2]
d o l s eg! y

Folio 69, Verso

[01; Ring 1]
dair cheyky otamy — sar!a!r chykar okair sh ar chetody okeeos o!tey ot!okchey
okeeody okeey doiir yteeo y echa ot!a okedy chsdy okeod!y dy cho aiin okar
okar chol chese yto odair oty otcho dar o ey keody dchor char
[02; Ring 2]
ykay chol ykar — dal ykady cokeeor cheoy choly ykchal cheos oaram ockhy shchy
aiin!y daiial cheody cheol yekey chsar y!dy ykey chy dy chol ykar oly ykeeody
chey dal ody airchy choky ychey chey
[03; Ring 3]
do!air otaldal — dair y! chdy otoar ar y! chy +otcor cho +otair chda oteeal
chear ar air otedy ytyda dchy otoly okedal otearar chetesescher dair chey
okody dal oteey oteey

[04; Label 1]
ykeey
[05; Label 2]
ytary
[06; Label 3]
oeesa
[07; Label 4]
ytody
[08; Label 5]
okody
[09; Label 6]
otody
[10; Label 7]
okeol
[11; Label 8]
okeod
[12; Label 9]
oteeys
[13; Label 10]
oteol
[14; Label 11]
ykeydy
[15; Label 12]
okeod
[16; Label 13]
sar!al
[17; Label 14]
saiir
[18; Label 15]
okolar
[19; Label 16]
ykeody
[20; Label 17]
sarydy
[21; Label 18]
otchy
[22; Label 19]
okchy dy
[23; Label 20]
okey d
[24; Label 21]
okeod
[25; Label 22]
okodchy
[26; Label 23]
okeody
[27; Label 24]
okchey s
[28; Label 25]
oar alys
[29; Label 26]
okchy sar
[30; Label 27]
okeo dy
[31; Label 28]
ochoyk

3 Analysis

3.1 Frequencies

In the following, we take a look at the frequencies of glyphs and words from different perspectives. First, we try to simply count both for the whole manuscript.

3.1.1 Overall Glyph Frequencies and Word Count

Based on a transliteration by Takahashi (see Section 1), a first basic analysis of frequencies can be performed, by simply counting each Latin letter of the transliteration. This results in Table 1, listing all letters that are used (also see Figure 1).

Letter	Representation	Count	
		Takahashi	Takahashi/Bauer
`o`	o	25,468	
`e`	e	20,070	
`h`	h	17,856	
`y`	y	17,655	
`a`	a	14,281	
`c`	c	13,314	
`d`	d	12,973	
`i`	i	11,660	
`l`	l	10,518	
`k`	k	9,996	
`r`	r	7,456	
`n`	n	6,141	
`t`	t	5,968	
`q`	q	5,423	
`S`	S	4,501	
`s`	s	2,886	
`p`	p	1,406	
`m`	m	1,116	
`T`	T	976	
`K`	K	938	
`f`	f	425	
`P`	P	224	
`g`	g	96	
`F`	F	80	
`I`	I	72	
`x`	x	35	
`v`	v	9	
`z`	z	2	
		234,956	

Table 1: Letter frequencies in Takahashi's transliteration.

Determining what counts as *one* glyph, though, is in some cases an interpretative act. It seems straightforward to assume that c and h are one glyph (i.e., ch). Likewise, S and h could be interpreted as another glyph (i.e., Sh). Additionally, one *might* interpret instances of cTh, cKh, cPh, or cFh as representing ch (or Sh), on the one hand, and t, k, p, or f, on the other. Concerning those "gallows" characters, as they have come to be called, it is not clear whether t and k or p and f are variations of the same glyphs, only diverging in one small loop (as Tiltman 1967 seems to have interpreted them). In the following, the four gallows will be treated as distinct glyphs, as has become customary.

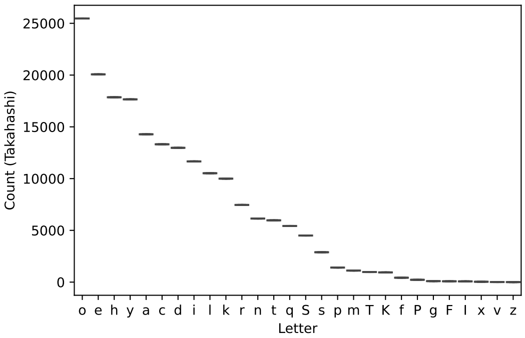


Figure 1: Letter frequencies in Takahashi's transliteration.

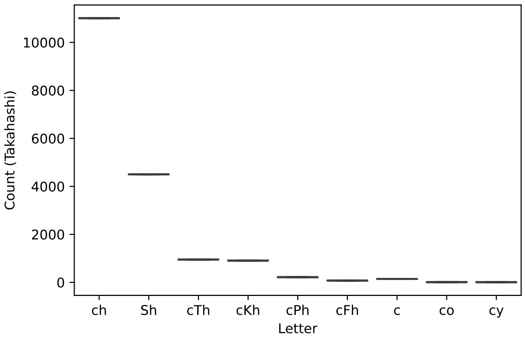


Figure 2: Frequencies in Takahashi's transliteration for several c combinations.

Accordingly, Table 2 gives frequencies for several c combinations, taking into account four forms of "pedestalled gallows" (also see Figure 2). The table also includes three instances that bear some resemblance to Latin abbreviations (also see D'Imperio 1978, p. 95).

Letter(s)	Representation	Count	
		Takahashi	Takahashi/Bauer
`ch`	ch	11,008	
`Sh`	Sh	4,501	
`cTh`	cTh	950	
`cKh`	cKh	906	
`cPh`	cPh	216	
`cFh`	cFh	74	
`c`	c	143	
`co`	co	9	
`cy`	cy	7	
		17,814	

Table 2: Frequencies in Takahashi's transliteration for several c combinations.

Furthermore, while there are instances of a single i, it is not clear whether instances like ii and iii or combinations with n like in or iin represent separate glyphs. Table 3 gives frequencies for several of those i combinations (also see Figure 3). Assuming there are three glyphs i, in, and iin, it is of course difficult to determine when there actually is a in or a iin.

This being said, I tentatively stipulate a set of 22 glyphs. Table 4 gives frequencies for those glyphs (also see Figure 4). They are counted according to the following rules:

Letter(s)	Representation	Count	
		Takahashi	Takahashi/Bauer
`i`	\	590	
`ii`	\ \	195	
`iii`	\ \ \	10	
`n`	Ↄ	148	
`in`	\Ↄ	1,752	
`iin`	\ \Ↄ	4,076	
`iiin`	\ \ \Ↄ	154	
`iiiin`	\ \ \ \Ↄ	2	
		6,927	

Table 3: Frequencies in Takahashi's transliteration for several \ combinations.

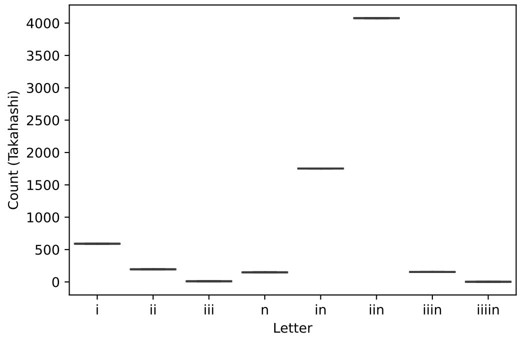


Figure 3: Frequencies in Takahashi's transliteration for several \ combinations.

- The glyphs ɑ, 8, c, ȣ, ⲧ, ꝗ, ꝯ, o, †, ʔ, ƨ, ʌ, ⲭ, and ɡ are simply counted as before. Hence, frequencies are identical with Table 1.
- The glyph ꝺc is counted every time ꝺ and c appear consecutively.
- The glyph σc is counted every time σ and c appear consecutively, as well as in cases where there is ᚡ, ᚪ, ᚫ, or ᚮ between them.
- The glyph ᚠ is counted every time ᚠ or ᚡ appears.
- The glyph ᚩ is counted every time ᚩ, ᚪ, or ᚬ appears.
- The glyph ᚨ is counted every time ᚨ or ᚫ appears.
- The glyph ᚭ is counted every time ᚭ or ᚮ appears.
- The glyph \Ↄ is counted every time \ and Ↄ appear consecutively without there being a preceding second \.
- The glyph \ \Ↄ is counted every time \, \, and Ↄ appear consecutively.
- The glyph \ is counted every time it is not part of \Ↄ or \ \Ↄ as well as in instances of ⲧ.

Letter(s)	Glyph	Count (Percent)		
		Takahashi		Takahashi/Bauer
o	o	25,468	(15.636)	
e	c	20,070	(12.322)	
y	9	17,655	(10.839)	
a	ɑ	14,281	(8.768)	
ch	cc	13,154	(8.076)	
d	8	12,973	(7.965)	
k	lf	10,934	(6.713)	
l	ɋ	10,518	(6.458)	
r	ʔ	7,456	(4.578)	
t	llf	6,944	(4.263)	
q	†	5,423	(3.329)	
Sh	ćc	4,501	(2.763)	
iin	\\ϑ	4,232	(2.598)	
s	ʓ	2,886	(1.772)	
in	\ϑ	1,752	(1.076)	
p	ꝑ	1,630	(1.001)	
i	\	1,240	(0.761)	
m	ꝝ	1,116	(0.685)	
f	ꝓ	505	(0.310)	
g	ꝿ	96	(0.059)	
x	ϰ	35	(0.021)	
v	ʌ	9	(<0.001)	
		162,878		

Table 4: Glyph frequencies in Takahashi's transliteration

3.1.2 Glyph and Word Frequencies for Currier Languages

3.1.3 Glyph and Word Frequencies for Hands

3.2 Entropy

Next, let's take a look at the manuscript's entropy. To this end, I utilize the conceptualization of information entropy by Shannon (1948), basically measuring the variability of glyphs in the manuscript. Entropy H can be defined as shown in (1), where p_z denotes the probability of z, with z being an element of the alphabet Z.

$$H = -\sum_{z \in Z} p_z \log_2 p_z \tag{1}$$

To calculate the entropy, I suppose the above stipulated glyphs to form alphabet Z (see Table 4). Accordingly, changes to the corpus are made so that each stipulated glyph has a single corresponding character in the transliteration. Changes are made according to the following rules:

- The glyph ćc is represented by `Sh` in EVA. For calculating the entropy, every time `S` and `h` appear consecutively, they are replaced by `1`

- The glyph cc is represented by `ch` in EVA. Every time `c` and `h` appear consecutively, they are replaced by `2`. Following the above stated rules for glyph counting, cc is also believed to be present when c and c are separated by llf, lf, ꝑ, or ꝓ, represented by `T`, `K`, `P`, or `F` in EVA. In those cases, it is believed that llf, lf, ꝑ, or ꝓ are also present. They are represented by `t`, `k`, `p`, or `f` in EVA. Hence, they are replaced by `2t`, `2k`, `2p`, or `2f`.

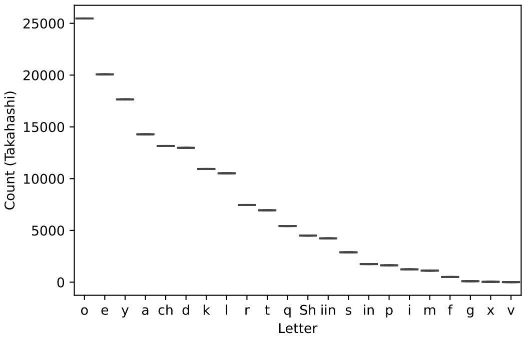


Figure 4: Glyph frequencies in Takahashi's transliteration.

- The glyph , represented by `z` in EVA, is counted as , represented by `k` in EVA. Hence, every `z` is replaced by `k`.
- The glyph is represented by `iin` in EVA. Every time `i`, `i`, and `n` appear consecutively, they are replaced by `3`.
- The glyph is represented by `in` in EVA. Every time `i` and `n` appear consecutively, they are replaced by `4`.
- Lastly, the glyph , represented by `I` in EVA, is counted as , represented by `i` in EVA. Hence, every `I` is replaced by `i`.

Calculating the entropy for this converted corpus results in $H = 3.866$. As comparisons, Table 5 also offers the entropy values for the unconverted transliteration as well as for a randomly generated text consisting of 22 different characters and being 234,956 characters long (just as the converted transliteration).

Corpus	H
Takahashi	4.021
Takahashi (converted)	3.866
Takahashi/Bauer	
Takahashi/Bauer (converted)	
Random text	4.459

Table 5: Entropy (H) for different transliterations.

References

Beinecke Rare Book and Manuscript Library. 2004. “Cipher manuscript (Voynich manuscript).” Accessed February 14, 2023. https://collections.library.yale.edu/catalog/2002046/.

Bettencourt, Rebecca. 2019. “Voynich unicode.” Accessed January 30, 2023. https://www.kreativekorp.com/software/fonts/voynich/.

Clemens, Raymond, ed. 2016. *The Voynich manuscript.* New Haven and London: Yale University Press.

D’Imperio, Mary. 1978. *The Voynich manuscript. An elegant enigma.* Maryland: National Security Agency/Central Security Service.

Schwerdtfeger, Elias. 2004. “Voynich information browser.” Accessed January 30, 2023. http://voynich.freie-literatur.de/.

Shannon, Claude Elwood. 1948. “A mathematical theory of communication.” *Bell System Technical Journal* 27 (3): 379–423.

Stolfi, Jorge. 1998. “Reeds/Landini’s interlinear file in EVA, version 1.6e6.” Accessed February 12, 2023. https://www.ic.unicamp.br/~stolfi/voynich/98-12-28-interln16e6/.

Takahashi, Takeshi. 1999. “Voynich manuscript-transcription.” Accessed January 30, 2023. http://www.voynich.com/pages/index.htm.

Tiltman, John. 1967. “The Voynich manuscript. The most mysterious manuscript in the world.” *NSA Technical Journal* 12:41–85.

Zandbergen, René. 2023. “Text analysis. Transliteration of the text.” Accessed February 2, 2023. http://www.voynich.nu/transcr.html.