

THE INDUS SCRIPT: TEXT AND CONTEXT

A STATISTICAL-POSITIONAL ANALYSIS OF SIGNIFICANT TEXT SEGMENTS

(Sundar Ganesan, Chandrasekhar Subramanian, G.C. Suresh Babu, and Iravatham Mahadevan)*

1. Scope of the paper

While the total number of signs and sign combinations in the Indus texts are large, the texts can be segmented into much smaller numbers of signs, sign pairs and sign triplets (The segmentation procedures are well-known and are not included in this paper)¹. If these significant segments are analysed textually and contextually, one can extract the core of information recorded in the texts (Statements 1.1 to 3.4 attached). Such a study will not only save much time and labour, but also hopefully show the way to further progress in understanding the Indus texts. The analysis makes no assumptions about the language of the texts or the sounds or meanings of the signs.

2. Source:

The attached statements are derived from the computer database (henceforth M77) compiled at the TIFR by Iravatham Mahadevan et al (1977 - 80) and the pictorial version in the book *'The Indus Script: Texts, Concordance and Tables'* (Mahadevan 1977).

3. Significant Text Segments:

3.1 Signs: There are 417 signs with a total of 13372 occurrences in M77. However, only 153 signs occurring 10 times or more account for as much as 94.24 percent of the total sign occurrences.

3.2 Sign pairs: There are 2758 sign pairs in M77, but only as few as 166 pairs occur 10 times or more (excluding those commencing with signs '1, '2 or '3, or with '4 or '5 (these two with some exceptions such as '6, '7, '8), or with '9 which do not occur initially in significant pairs).

3.3 Sign triplets: There are 3710 triplets in M77; but only as few as 68 triplets occur 10 times or more (excluding those commencing with signs '1, '2, '3; '4 and '5; and '6 which do not occur initially in significant triplets).

The exclusions and exceptions are based on segmentation analysis (not included in this paper). Thus 153 signs, 166 sign pairs and 68 sign triplets have been identified as significant text segments for further analysis.

* Indus Research Centre, Roja Muthiah Research Library, Chennai

¹ Mahadevan(1978), Nisha Yadav, et al. (2008)

4. Textual Analysis:

The selected signs, pairs and triplets are listed in the order of total frequencies as well as in the order of positional frequencies (solus, initial, medial and final).

The preliminary analysis shows that the significant text segments can be classified broadly into only two categories, viz., one including solus and initial occurrences, and the other of final occurrences. The medial occurrences may belong to either category depending on whether they are quasi-initial (that is, word-initial segments occurring in the middle) or quasi-final (that is, word-final segments occurring in the middle). (Signs may occur in solus / initial and final positions with respect to a line of text, but not generally with respect to the whole text. Exceptions to this pattern require further study and may include errors in coding.)

5. Context Analysis:

5.1 Parameters: The following three parameters have been chosen for context analysis:

- (1) Sites: Inscribed objects from 19 Harappan and 5 West Asian sites have been included in M77. However, only four sites, viz, Mohenjodaro (MD), Harappa (HP) Lothal (LL) and Kalibangan (KB) (yielding a minimum of 100 inscribed objects each) account for 2789 out of 2906 objects (95.97%).
- (2) Object types: 2906 inscribed objects classified into 9 types have been included in M77. However, only 5 types, namely seals, sealings, miniature tablets, copper tablets and pottery graffiti each with a minimum of 100 occurrences, account for as much as 98.11% of the total.
- (3) Field symbols: 99 field symbols (that is, pictorial or iconographic motifs occupying the field as distinguished from signs of the Indus script) are listed in M77. However only 17 field symbols with a minimum of 10 occurrences each account for 84.97 % of the total. The field symbols 35 (uncertain animal) 97 (geometrical patterns), 98 (ornamental borders) and 99 (damaged or illegible) are not considered.

5.2 Analytical Statements (Attached):

The significant text segments (signs, pairs and triplets) are analysed with respect to the selected parameters (site, object type and field symbol) in the attached statements.

5.3 Locus and Stratigraphy – not included:

Another important parameter, namely the locus and stratigraphy of inscribed objects, could not be included in this analysis. Statistics on locus and stratigraphy available in respect of MD, HP and CH are included in the computer data base (M77) but not published in Mahadevan 1977. However,

due to the pre-modern techniques of excavation, true stratigraphy has not been scientifically recorded for these sites (Mythili Rangarao and Iravatham Mahadevan 1987). When the original Field Notes are fully published, such context analysis may become possible.

6. Some Preliminary Results

6.1 Frequency-Distribution Analysis of frequent signs by sites (Statement 1.2):

The total sign occurrences in M77 (13372) are distributed in the major sites as follows:

Site	Sign occurrences	Percent
MD	7281	54.45
HP	4359	32.60
LL	760	5.68
KB	423	3.16
Total	12823	95.89

The enclosed statement (Statement 1.2) highlights cases of significant deviations from the expected normal frequency of sign occurrences. Some examples are given below.

Sign	MD	HP
𑀓	101	239
𑀕	28	288
𑀖	120	175
𑀗	68	84

The observed deviations from normal distribution prompt us to seek explanations. In these particular cases, the deviations may be due to sites. However, that this is not the sole cause can be seen from the following analysis of sign occurrences with respect to object types (Statement 1.3)

6.2 Frequency-Distribution Analysis of frequent signs by object types (Statement 1.3):

The total sign occurrences in M77 (13372) are distributed among the major object types as follows:

Object types	Sign Occurrences	Percent
Seals	8312	62.16
Sealings	2582	19.31
Miniature Tablets	1261	9.43
Copper Tablets	718	5.37
Pottery Graffiti	281	2.10
Total	13154	98.37

6.2.1 Miniature Tablets: Sign \cup (7th in the order of total frequency) overtakes even the most frequent sign \cup and is ranked first on miniature tablets. Similarly the sign Ξ which shows abnormal deviation with respect to sites (more in HP than in MD) and also has equally abnormal deviation with respect to object types, preferring miniature tablets to seals. Thus it appears that the main cause of deviation in these cases is the object type and not the site. However, miniature tablets do not at all occur in MD probably because the lowest levels could not be reached due to the much higher water table in modern times.

6.2.2 Copper Tablets: The copper tablets occur only at MD and at no other site. In this case, there is clear correlation between object type and site. One may say that copper tablet - using people lived only at Mohenjodaro (in the Late Period as known from stratigraphic evidence).

Another important feature relating to copper tablets is that some frequent signs do not occur on them with expected frequencies. Examples:

(1) The following frequent signs do not occur at all on copper tablets:

λ , μ , γ , Ξ , δ , \cup , \ominus and \otimes .

(2) On the other hand, the following signs occur relatively much more often on copper tablets:

λ , γ , ω , \cup , \ominus and \otimes .

An important result is that some similar-looking signs are not really sign-variants but separate and independent signs as revealed by the evidence of copper tablets. For example:

λ and μ ; γ and δ ; \ominus and \otimes ; \cup and ω ; \otimes and \otimes .

6.3 Frequency-Distribution Analysis of frequent signs by Field Symbols
(Statement 1.4):

All selected signs occur at least once with FS 01 (Unicorn).

The FS 16 (Hare) occurs only with signs ω , λ , μ , γ , μ and \otimes .

The sign \cup and μ , μ and μ occur most frequently with FS 83 (Dot in circle).

Sign \cup occurs most frequently with FS 14 (Ox-Antelope)

7. Analysis of Sign Pairs and Triplets

Similar analysis with respect to the other significant text segments (pairs and triplets) has been carried out with respect to the selected parameters (Statements 2.1, 2.2, 2.3, 2.4, 3.1, 3.2, 3.3, 3.4).

7.1 Textual and Contextual Analysis of Pairs and Triplets

(1) Of the 166 pairs selected 33 start with Number signs (19.5%) and 25 start with a fish sign (14.8%). Similarly 38 of the 166 pairs end with a Jar sign (22.5%) and 16 end with fish signs (9.5%)

(2) The sign pair "❖ occurs mostly in the initial position with a frequency of 254 out of 291, mostly on seals and sealings but does not occur on copper tablets, while E U occurs mostly in the final position with a frequency of 179 out of 184, occurs mostly on miniature tablets and sealings and does not occur on copper tablets. The greater affinity for the former pair is towards MD along with the field symbol Unicorn while for the latter it is Harappa along with the field symbol Gharial / Dot in circle.

(3) The following pairs occur neither in initial nor final positions: U 田, " T, / 田,) O. U 田 occurs mostly in MD along with FS 14 (Ox-Antelope) and mostly on copper tablets and one occurrence on sealings; " T in HP along with FS 01 (Unicorn) and only on sealings and seals; / 田 only in MD along with FS 14 (Ox-Antelope) only on copper tablets;) O mostly in MD along with FS 01 (Unicorn) mostly on copper tablets and seals.

(4) The following triplets occur more frequently as solus and therefore may represent a complete phrase: E U 田 (f=41) occurs mostly in Harappa along with FS 83 (Dot in circle) mostly on miniature tablets and never on copper tablets or pottery, U 田 T (f=14) (FS 01 (Unicorn), 07 (Elephant) and 91 (Shape of Double shield or Double-axe)) mostly in HP and mostly on miniature tablets, 田 T A (f=12) occur mostly in HP along with FS 44 (Kino tree) and FS 01 (Unicorn) mostly on seals and sealings, T T T (f=11) occur mostly in MD and HP along with FS 01 (Unicorn) and FS 83 (Dot in circle) mostly on seals and miniature tablets.

(5) The FS 16 (Hare) occurs only with the following triplets: ||| U 田, 田 ||| U, T 田 |||, T 田 T and 田 T 田.

(6) The pair U ||| and the triplet E U 田 show much greater affinity to Harappa (site), Miniature tablets (type) and Dot in circle (field symbol).

(7) The significant text segments do not appear to have special affinity to field symbols with which they are associated on seals and sealings. This is also shown by the simple observation that the same text occurs with different field symbols and vice versa. However, one notable exception is the association of significant text segments with particular field symbols on the copper tablets, (e.g. texts with the field symbol 'hare facing a bush').

8. Preliminary Conclusions

This exercise is confined to the statistical analysis of position and frequency of the textual segments and their special affinity to the background such as site, object type and field symbol.

The authors wish to emphasize that the choice of frequent segments and frequent parameters would enable us to extract the core of available information of the Indus Script with minimum effort. This is a preliminary exercise and the authors' expectation is that this study will show the way for reaching other areas not covered in this study.

One of the goals of the authors is to ascertain the language of the Indus Script through a study of its textual segments; the authors have in mind the work of Emil Forrer (1932) who studied the Hittite hieroglyphic scripts through such methods even before sufficiently deciphering the script.

9. Acknowledgement

The authors wish to thank Suvidha Nair for helping with the analysis of the data.

Enclosure: List of attached statements

List of attached statements:

- 1.1 - Frequency Distribution of Frequent Signs: Within a Line of Text
- 1.2 - Frequency Distribution of Frequent Signs by Major Sites
- 1.3 - Frequency Distribution of Frequent Signs by Object Types
- 1.4 - Frequency Distribution of Frequent Signs by Field Symbol
- 2.1 - Positional Distribution of Selected Pairs: Within a Line of Text
- 2.2 - Frequency Distribution of Frequent Pairs by Major Sites
- 2.3 - Frequency Distribution of Frequent Pairs by Object Types
- 2.4 - Frequency Distribution of Frequent Pairs by Field Symbol
- 3.1 - Positional Distribution of Selected Triplets: Within a Line of Text
- 3.2 - Frequency Distribution of Frequent Triplets by Major Sites
- 3.3 - Frequency Distribution of Frequent Triplets by Object Types
- 3.4 - Frequency Distribution of Frequent Triplets by Field Symbol

Bibliography

Iravatham Mahadevan

1977. *The Indus Script: Texts, Concordance and Tables*. Memoirs of the Archaeological Survey of India, no. 77. New Delhi: Archaeological Survey of India.
1978. Recent advances in the study of the Indus script. *Puratattva* 9 : 34-42.

Mythili Rangarao and Iravatham Mahadevan

1987. Archaeological context of Indus texts at Mohenjodaro. *Journal of the Institute of Asian Studies* 4 (2): 25-59.

Nisha Yadav, M N Vahia, Iravatham Mahadevan and H Joglekar

2008. Segmentation of Indus Texts. Nisha Yadav, M. N. Vahia, Iravatham Mahadevan and H. Joglekar. *International Journal of Dravidian Linguistics*, 37(1) : 53-72.

**Statement 1.1: Frequency Distribution of Frequent Signs
Within a Line of Text
(Minimum total sign frequency =10)**

Solus		Initial		Medial		Final		Total	
Sign	Freq	Sign	Freq	Sign	Freq	Sign	Freq	Sign	Freq
	18		298		625		971		1,395
	9		147		420		316		649
	8		140		309		274		381
	7		135		209		184		376
	7		77		199		130		365
	7		74		186		92		355
	5		72		168		90		323
	4		71		159		86		314
	3		68		152		69		279
	3		67		148		61		240
	3		65		137		43		236
	3		65		136		30		227
	3		59		128		22		216
	3		51		116		21		212
	3		50		109		20		207
	2		40		106		18		195
	2		38		103		18		193
	2		37		96		17		188
	2		36		93		16		177
	2		36		92		16		170
	2		35		87		16		168
	2		32		75		15		151
	2		31		74		14		149
	1		30		72		14		136
	1		28		72		13		134
	1		26		70		13		134
	1		25		70		12		132
	1		25		69		12		130
	1		24		69		12		126
	1		22		65		12		118
	1		22		63		11		105
	1		21		62		11		105
	1		20		61		10		102
	1		20		61		9		99
	1		19		59		9		93
	1		19		58		7		92
	1		19		58		7		91
	1		18		55		7		91
	1		18		54		6		90

Solus		Initial		Medial		Final		Total	
Sign	Freq	Sign	Freq	Sign	Freq	Sign	Freq	Sign	Freq
𐌶	1	𐌶	18	𐌶	53	𐌶	6	𐌶	89
𐌷	1	𐌷	18	𐌷	49	𐌷	6	𐌷	88
𐌸	1	𐌸	17	𐌸	49	𐌸	5	𐌸	88
𐌹	1	𐌹	17	𐌹	49	𐌹	5	𐌹	80
𐌺	1	𐌺	17	𐌺	47	𐌺	5	𐌺	78
𐌻	1	𐌻	17	𐌻	45	𐌻	5	𐌻	76
𐌼	1	𐌼	16	𐌼	45	𐌼	5	𐌼	73
𐌽	1	𐌽	16	𐌽	44	𐌽	5	𐌽	73
𐌾	1	𐌾	16	𐌾	42	𐌾	5	𐌾	70
𐌿	1	𐌿	15	𐌿	41	𐌿	5	𐌿	70
𐍀	1	𐍀	15	𐍀	38	𐍀	4	𐍀	70
𐍁	1	𐍁	15	𐍁	38	𐍁	4	𐍁	69
𐍂	1	𐍂	14	𐍂	36	𐍂	4	𐍂	64
𐍃	1	𐍃	14	𐍃	36	𐍃	4	𐍃	63
𐍄	1	𐍄	14	𐍄	35	𐍄	4	𐍄	63
		𐍅	13	𐍅	35	𐍅	4	𐍅	61
		𐍆	13	𐍆	33	𐍆	4	𐍆	60
		𐍇	12	𐍇	33	𐍇	4	𐍇	59
		𐍈	12	𐍈	32	𐍈	3	𐍈	58
		𐍉	12	𐍉	32	𐍉	3	𐍉	57
		𐍊	12	𐍊	31	𐍊	3	𐍊	54
		𐍋	11	𐍋	31	𐍋	3	𐍋	54
		𐍌	11	𐍌	31	𐍌	3	𐍌	53
		𐍍	11	𐍍	30	𐍍	3	𐍍	53
		𐍎	10	𐍎	29	𐍎	3	𐍎	51
		𐍏	10	𐍏	29	𐍏	3	𐍏	51
		𐍐	10	𐍐	29	𐍐	3	𐍐	50
		𐍑	10	𐍑	28	𐍑	2	𐍑	50
		𐍒	10	𐍒	27	𐍒	2	𐍒	49
		𐍓	10	𐍓	26	𐍓	2	𐍓	48
		𐍔	9	𐍔	25	𐍔	2	𐍔	44
		𐍕	9	𐍕	25	𐍕	2	𐍕	43
		𐍖	9	𐍖	24	𐍖	2	𐍖	42
		𐍗	9	𐍗	23	𐍗	2	𐍗	41
		𐍘	7	𐍘	23	𐍘	2	𐍘	38
		𐍙	7	𐍙	22	𐍙	2	𐍙	38
		𐍚	7	𐍚	20	𐍚	2	𐍚	38
		𐍛	7	𐍛	20	𐍛	2	𐍛	35
		𐍜	7	𐍜	20	𐍜	2	𐍜	35
		𐍝	6	𐍝	20	𐍝	1	𐍝	35
		𐍞	6	𐍞	19	𐍞	1	𐍞	35
		𐍟	5	𐍟	19	𐍟	1	𐍟	35

Solus		Initial		Medial		Final		Total	
Sign	Freq	Sign	Freq	Sign	Freq	Sign	Freq	Sign	Freq
			5		18		1		33
			5		17		1		32
			5		17		1		30
			5		17		1		29
			5		16		1		29
			5		16		1		29
			5		16		1		27
			5		15		1		27
			5		14		1		27
			4		14		1		26
			4		14		1		26
			4		13		1		26
			4		13		1		26
			4		13		1		25
			4		12		1		24
			4		12		1		24
			3		11		1		23
			3		11		1		22
			3		11		1		22
			3		11		1		22
			3		10		1		22
			3		10		1		22
			3		10				21
			3		10				21
			3		10				21
			3		9				21
			3		9				20
			3		9				20
			2		9				19
			2		9				19
			2		9				18
			2		9				17
			2		8				17
			2		8				16
			2		8				16
			2		8				15
			2		8				15
			2		8				15
			2		8				15
			2		7				14
			2		7				14
			2		7				14

Statement 1.2: Frequency Distribution of Frequent Signs by Major Sites (min. 100 inscriptions)
(minimum sign frequency =10)

MD		HP		LL		KB	
Sign	Freq	Sign	Freq	Sign	Freq	Sign	Freq
	766		472		73		44
	374		288		71		33
	216		239		35		21
	205		175		25		16
	165		162		20		14
	156		137		20		12
	147		122		17		9
	144		103		17		9
	135		90		16		8
	134		84		15		8
	133		79		15		7
	130		74		15		7
	130		69		15		7
	120		58		14		7
	120		57		14		7
	109		57		14		6
	101		54		13		6
	101		54		12		6
	91		52		11		6
	84		51		11		5
	79		45		11		5
	78		44		11		5
	78		43		11		5
	77		43		10		5
	74		43		10		5
	70		41		8		5
	69		41		8		4
	68		40		7		4
	68		39		7		4
	67		37		7		4
	67		37		7		4
	62		36		7		3
	60		36		6		3
	58		35		5		3
	56		35		5		3
	55		35		5		3
	54		28		5		3
	52		28		5		3
	51		24		5		3
	51		22		4		3
	46		22		4		3
	44		22		4		3
	43		22		4		3
	42		21		4		3
	41		21		4		2
	41		20		4		2
	40		20		4		2
	40		20		3		2
	40		20		3		2

MD		HP		LL		KB	
Sign	Freq	Sign	Freq	Sign	Freq	Sign	Freq
	40		19		3		2
	39		19		3		2
	36		19		3		2
	35		18		3		2
	34		18		3		2
	34		18		3		2
	34		18		3		2
	33		18		3		2
	32		18		3		1
	32		18		3		1
	31		18		3		1
	31		17		3		1
	30		17		3		1
	30		16		3		1
	28		16		3		1
	28		16		2		1
	28		15		2		1
	27		15		2		1
	27		14		2		1
	26		14		2		1
	25		14		2		1
	25		12		2		1
	24		12		2		1
	23		12		2		1
	22		11		2		1
	22		11		2		1
	21		11		2		1
	21		11		2		1
	21		11		2		1
	21		11		2		1
	20		10		2		1
	20		10		1		1
	20		9		1		1
	20		9		1		1
	18		9		1		1
	17		9		1		1
	17		9		1		1
	17		8		1		1
	17		8		1		1
	16		8		1		
	16		8		1		
	16		8		1		
	16		8		1		
	16		8		1		
	16		7		1		
	15		7		1		
	15		7		1		
	15		7		1		
	15		7		1		
	14		6		1		
	14		6		1		
	14		6		1		
	13		6		1		

MD		HP		LL		KB	
Sign	Freq	Sign	Freq	Sign	Freq	Sign	Freq
	12		6		1		
	12		5		1		
	12		5		1		
	11		5		1		
	11		5		1		
	11		4		1		
	11		4		1		
	11		4		1		
	10		4		1		
	10		4				
	10		4				
	10		4				
	9		4				
	9		3				
	9		3				
	9		3				
	9		3				
	9		3				
	9		3				
	9		3				
	8		3				
	8		3				
	8		3				
	8		3				
	8		3				
	8		3				
	7		2				
	7		2				
	7		2				
	7		2				
	6		2				
	6		2				
	6		2				
	6		2				
	6		2				
	6		2				
	6		2				
	5		2				
	5		1				
	5		1				
	5		1				
	5		1				
	4		1				
	4		1				
	4		1				
	4						
	3						
	3						
	1						

**Statement 1.3: Frequency Distribution of Frequent Signs by Object Types (min. 100 inscriptions)
(minimum total sign frequency =10)**

Seals		Sealings		Min. Tab		Cop. Tab		Pot. Graf	
Sign	Freq.	Sign	Freq.	Sign	Freq.	Sign	Freq.	Sign	Freq.
U	835	U	273	U	160	U	82	U	34
	515	U	140	U	152	Y	60	Q	14
◇	288	E	121	E	127	田	48	Y	13
Q	244		115		80	⊗	34		12
	188		76		68		29		9
Y	168		75	⌚	48	U	27		6
Y	163	Q	72		48	⊙	25		6
リ	162	Y	72	Q	34	△	22	E	6
⊗	162	⊔	57	◇	24		21		5
↑	155	◇	50	Y	23	Q	20	⊗	5
U	151	U	50	Y	19	U	20	田	5
⌚	148	Y	47	↑	19	人	17	◇	5
U	134	人	42	田	18	⌚	16	U	5
Q	133	⌚	42	U	17	一	16	⌚	4
	124	↑	42	⊗	16	△	16	⊗	4
Y	115	田	38	⌚	15	人	15	⌚	4
一	111	⌚	34	⊗	15)	15	一	4
田	109	Y	34	一	14	Q	14		4
⌚	103	Y	33	リ	13	○	14	U	4
	102	U	33	夏	12	⌚	13	⌚	3
⊔	97	⊙	32	Y	12	⌚	12		3
E	89	⊗	31	△	12	⊔	11	リ	3
⊗	86		29	⌚	11		10	↑	3
人	84	⌚	27	⊔	11	田	10	Y	3
⌚	80	⌚	26	◇	11		9	⊗	3
⊙	80	⌚	26	Q	9	⌚	9	⊔	3
Y	79	夏	25	⌚	9	Y	8	⌚	3
⌚	76	Q	24	田	9	↑	8	⊗	3
⊙	75	⊗	23		8	⌚	7	人	2
U	74	⊗	22	Y	8	⊗	7	⌚	2
△	73	リ	21	⌚	8	田	7	⌚	2
一	71	リ	21	U	8	田	7	⌚	2
⌚	69	Y	21	リ	7	⌚	6	⌚	2
⌚	67		20	田	7	U	6	夏	2
⊗	64	U	20	リ	6	Q	5	Y	2
⌚	62	⊗	19	⊗	6	一	5	Q	2
夏	62	○	19	田	6	Y	5	Q	2
一	62	一	18)	6	夏	4	一	2

Seals		Sealings		Min. Tab		Cop. Tab		Pot. Graf	
Sign	Freq.	Sign	Freq.	Sign	Freq.	Sign	Freq.	Sign	Freq.
	59		17		6		4		2
	56		17		6		4		2
	54		16		5		3		2
	54		16		5		3		2
	51		16		5		3		2
	48		15		5		3		2
	48		15		5		2		2
	48		13		5		2		2
	47		13		4		2		2
	47		12		4		2		2
	43		12		4		2		2
	42		12		4		2		2
	42		12		4		1		2
	42		12		3		1		2
	42		12		3		1		2
	41		12		3		1		1
	41		12		2		1		1
	38		12		2				1
	38		11		2				1
	36		11		2				1
	36		11		2				1
	34		11		2				1
	33		10		2				1
	33		10		2				1
	33		10		2				1
	32		10		2				1
	31		9		2				1
	30		9		2				1
	30		9		2				1
	30		9		2				1
	28		8		2				1
	27		8		2				1
	27		8		2				1
	26		8		2				1
	26		8		2				1
	25		7		2				1
	25		7		2				1
	25		7		2				1
	25		7		2				1
	25		7		2				1
	25		7		2				1
	24		7		2				1
	22		7		1				1

Seals		Sealings		Min. Tab		Cop. Tab		Pot. Graf	
Sign	Freq.	Sign	Freq.	Sign	Freq.	Sign	Freq.	Sign	Freq.
	22		7		1				1
	22		7		1				1
	21		7		1				1
	21		6		1				1
	20		6		1				1
	19		6		1				1
	19		6		1				
	17		6		1				
	17		5		1				
	17		5		1				
	16		5		1				
	16		5		1				
	16		4		1				
	16		4		1				
	15		4		1				
	15		4		1				
	15		4						
	14		4						
	14		4						
	13		4						
	13		4						
	13		4						
	13		4						
	13		3						
	13		3						
	12		3						
	12		3						
	12		3						
	11		3						
	11		3						
	11		3						
	11		3						
	10		3						
	10		3						
	10		3						
	10		2						
	10		2						
	10		2						
	10		2						
	10		2						
	9		2						

FS	Sig n	Fr q	Sig n	Frq	Sig n	Frq	Sig n	Frq	Sig n	Frq	Sig n	Frq	Sig n	Frq	Sig n	Frq
		2		2		2		2		2		2		2		2
		2		2		2		2		2		2		2		2
		2		2		2		1		1		1		1		1
		1		1		1		1		1		1		1		1
		1		1		1		1		1		1		1		1
		1		1		1		1		1		1		1		1
		1		1		1		1								
06		9		5		4		4		2		2		2		2
		2		2		2		2		1		1		1		1
		1		1		1		1		1		1		1		1
		1		1		1		1		1		1		1		1
		1		1		1		1		1						
07		29		24		21		10		10		10		9		6
		6		4		3		3		3		3		3		3
		3		2		2		2		2		2		2		2
		2		2		2		2		2		2		2		2
		2		2		2		2		1		1		1		1
		1		1		1		1		1		1		1		1
		1		1		1		1		1		1		1		1
		1		1		1		1		1		1		1		1
		1														
09		10		4		4		3		3		3		3		2
		2		2		2		2		2		2		2		2
		1		1		1		1		1		1		1		1
		1		1		1		1		1		1		1		1
		1		1		1		1		1		1		1		1
		1		1		1		1								
11		18		8		7		7		6		6		6		5
		5		5		5		4		4		4		3		3
		3		3		2		2		2		2		2		2
		2		2		2		2		2		2		1		1
		1		1		1		1		1		1		1		1
		1		1		1		1		1		1		1		1
		1		1		1		1		1		1				
13		18		9		7		7		6		6		6		5
		5		5		5		5		4		4		4		4
		4		4		3		3		2		2		2		2
		2		2		2		2		2		2		1		1

FS	Sig n	Fr q	Sig n	Frq	Sig n	Frq	Sig n	Frq	Sig n	Frq	Sig n	Frq	Sig n	Frq	Sig n	Frq
		1		1		1		1		1		1		1		1
		1		1		1		1		1		1		1		1
		1		1		1		1								
14		20		20		19		19		3		3		3		3
		3		3		1		1		1						
16		19		10		10		10		9		9				
25		10		7		6		4		4		4		3		2
		2		2		2		2		2		1		1		1
		1		1		1		1		1		1		1		1
		1		1		1										
36		38		17		17		14		12		11		11		11
		10		10		10		10		9		8		8		5
		5		3		3		3		3		2		2		2
		2		2		2		2		2		2		2		2
		2		2		1		1		1		1		1		1
		1		1		1		1		1		1		1		1
		1		1												
37		4		3		3		2		2		2		2		2
		2		2		2		2		1		1		1		1
		1		1		1		1		1		1				
44		13		12		11		7		7		7		7		6
		6		5		4		4		3		3		3		3
		3		3		2		2		2		2		2		2
		2		1		1		1		1		1		1		1
		1		1		1		1		1		1		1		1
		1		1		1		1		1						
83		33		28		23		15		15		12		10		7
		7		7		5		5		5		4		4		4
		3		3		3		3		2		2		2		2
		2		2		2		2		2		2		2		2
		1		1		1		1		1		1		1		1
		1		1		1		1		1		1		1		1
		1		1		1		1		1		1		1		
85		8		8		6		5		5		4		4		4
		4		3		3		3		2		2		2		2

**Statement 2.1: Frequency Distribution of Frequent Pairs
Within a Line of Text**

(Minimum total frequency of pairs = 10)

Solus		Initial		Medial		Final		Total	
Pairs	Freq	Pairs	Freq	Pairs	Freq	Pairs	Freq	Pairs	Tot. Freq
Ulll	111	"◇	254	lllU	104	llU	179	"◇	291
Ull	74	"⊗	73	llU	55	Ull	88	llU	184
Ullll	50	ll)	54	lll	53	Ull	79	lllU	126
llll	11	Ull	52	Ull	44	Ull	66	Ulll	124
llU	9	ll)	37	llU	41	llU	49	Ull	114
Ull	8	ll)	29	Ull	40	lll	42	Ull	110
Ulll	8	ll)	22	llU	35	lll	40	Ull	93
lll	7	lllU	22	Ull	34	Ull	37	Ull	87
llU	6	ll)	22	llU	30	Ull	34	"⊗	83
Ullll	6	llU	21	"◇	26	Ull	34	Ull	78
Ull	6	Ull	12	Ull	25	Ull	34	llU	76
Ull	6	ll)	20	lll	24	Ull	34	lll	70
"◇	6	ll)	19	lll	23	Ull	32	lll	67
lll	5	ll)	17	lll	21	Ull	29	llU	58
Ulll	5	lll	17	llU	21	Ull	29	Ullll	58
llU	4	llU	16	lll	21	lll	25	llU	55
Ull	4	Ull	15	Ull	21	Ull	25	Ull	54
llU	4	llU	14	Ull	21	Ull	22	ll)	54
Ull	4	lll	14	Ull	20	Ull	22	Ull	48
lll	3	lll	12	Ull	18	llU	22	Ull	47
lll	3	lll	12	Ull	18	lll	22	Ull	44
Ull	3	llU	12	Ull	17	llU	21	llU	44
lll	3	llU	12	ll)	17	Ull	21	lll	44
Ull	3	llU	12	ll)	17	Ull	19	Ull	44
lll	3	llU	12	llU	16	Ull	18	llU	44
lll	2	"⊗	12	llU	16	Ull	18	Ull	42
Ull	2	llU	11	Ull	15	Ull	18	Ull	40
Ull	2	llU	11	llU	14	llU	17	Ull	40
llU	2	llU	11	lll	14	llU	17	llU	40
llU	2	Ull	11	Ull	14	Ull	16	Ull	37
Ull	2	llU	11	llU	13	llU	15	Ull	34
Ull	2	llU	10	llU	13	Ull	15	lll	34
Ull	2	llU	10	Ull	13	Ull	15	llU	32
llU	2	llU	10	lll	13	Ull	14	llU	32
Ull	1	"◇	10	Ull	13	Ull	14	Ull	32
llU	1	llU	9	llU	13	Ull	12	lll	31
Ull	1	lll	9	Ull	13	Ull	12	Ull	31
Ull	1	llU	8	llU	13	Ull	12	Ull	30
llU	1	Ull	8	llU	12	Ull	12	lll	30
Ull	1	llU	7	lll	12	Ull	12	llU	29
Ull	1	llU	7	lll	12	Ull	11	llU	29
llU	1	llU	7	Ull	12	Ull	11	llU	28

**Statement 2.2: Frequency Distribution of Frequent Pairs
by Major Sites (min. 100 inscriptions)
(Minimum total frequency of pairs= 10)**

MD		HP		LL		KB	
Pair	Freq	Pair	Freq	Pair	Freq	Pair	Freq
"◇	177	EU	150	"◇	33	"◇	8
IIIU	94	UIII	120	U△	12	△△	7
UFU	65	UII	77	△U	12	△U	7
U*	62	U△	61	III	11	EU	7
"⊙	52	UIIII	54	U	11	"⊙	5
△U	51	"◇	54	△U	10	U△	4
III	47	△T	33	UFU	10	U△	3
△I	46	UFU	33	U(III)	9	△△	3
U△	42	U△	28	U△	8	U△	3
△T	41	UY	27	"◇	8	U△	3
U	36	Y△	26	III	6	U△	2
△△	35	IIIU	25	U△	6	U△	2
△△	32	U*	23	U△	5	△△	2
*T	32	△△	23	△△	5	△I	2
△III	29	UII	23	U	5	△III	2
U△	29	Y△	22	U*	4	△III	2
U)	29	"⊙	21	U△	4	U△	2
UU	27	E△	20	△I	4	"△	2
U△	26	△△	20	△I	4	△△	2
III△	26	UY	20	U△	4	△△	2
U)	26	△I	18	△△	4	"△	2
EU	26	△△	18	"⊙	4	U*	1
Y△	25	U△	18	△△	3	U△	1
Y△	24	△△	18	U△	3	"△	1
U△	24	△△	17	△△	3	U△	1
III△	23	U△	17	UY	3	△△	1
Y△	22	"Y	16	△△	3	△△	1
U△	20	III	16	Y△	3	△△	1
U△	20	△U	16	Y△	3	△△	1
△III	20	Y△	15	U)	3	"I	1
U△	20	U△	15	U△	3	△I	1
UY	18	U△	14	"△	3	UII	1
U△	18	△△	14	U△	2	△III	1
II△	18	U△	14	△△	2	UY	1
Y△	17	U△	14	△△	2	△III	1
U)	17	△△	14	△△	2	UY	1
U△	17	△△	13	△I	2	UY	1
△△	17	U△	13	UII	2	UY	1
△△	16	T△	13	△III	2	U△	1
U△	16	U△	12	III	2	U△	1
UY	16	II△	12	U△	2	△△	1
△△	16	II△	12	III△	2	*T	1
UY	16	△△	11	U△	2	U△	1
U△	15	△△	11	IIIU	2	U△	1
U△	15	△III	11	UU	2	U△	1
U△	15	△△	10	II△	2	Y△	1
UII	15	△I	10	△△	1	U△	1

MD		HP		LL		KB	
Pair	Freq	Pair	Freq	Pair	Freq	Pair	Freq
⊃⊃	4	⊃⊃	1				
⊃⊃	4	⊃⊃	1				
⊃⊃	3	⊃⊃	1				
⊃⊃	3	⊃⊃	1				
⊃⊃	2	⊃⊃	1				
⊃⊃	2	⊃⊃	1				
⊃⊃	2						
⊃⊃	2						
⊃⊃	2						
⊃⊃	2						
⊃⊃	2						
⊃⊃	2						
⊃⊃	2						
⊃⊃	1						
⊃⊃	1						
⊃⊃	1						

**Statement 2.3: Frequency Distribution of Frequent Pairs
by Object Types (min. 100 inscriptions)**
(Minimum total frequency of pairs = 10)

Seals		Sealings		Min. Tab.		Cop. Tab.		Pot. Graf.	
Pair	Freq.	Pair	Freq.	Pair	Freq.	Pair	Freq.	Pair	Freq.
"◇	234	EU	71	EU	90	IIIU	27	"◇	5
IIIU	86	UIII	57	UIII	63	III△	22	U△	4
UUU	71	"◇	44	UIII	45	UIII	20	EU	4
"⊙	71	UIII	40	U△	43	UU	20	△II	3
U*	61	△U	24	UII	38	YΛ	17	UOC	2
△II	58	U*	22	UUU	16	Λ⊙	17	UIII	2
△U	56	UY	22	UXX	15	Y⊙	15	UIII	2
Y)	46	Y△	21	UII	14	III△	12	Y)	1
△Y	43	Y△	21	OOY	12	III	12	U△	1
△III	40	U△	19	△△	11	III	11	UXX	1
U△	38	U△	19	II△	11	U)	11	△III	1
△△	38	△Y	19	U△	11	△⊙	11	YIII	1
III	38	UU	19	EU	10	△⊙	11	YIII	1
Y△	36	Y△	18	UOO	10	U△	10	△Λ	1
△△	33	△X	16	△Y	9	△III	10	U△	1
Y△	32	III	16	U△	9	IIIY	10	U△	1
U△	29	"Y	15	Y△	7	OY	10	Y△	1
Y△	28	Y△	15	△◇	7	YIII	10	△△	1
UOC	28	UY	14	U△	5	'△	10	UY	1
UY	26	U△	14	U△	5	Y)	10	△Y	1
△Y	25	△△	13	U△	5	YIII	9	Y△	1
Y△	23	△Y	13	YIII	4	U)	9	U△	1
UY	22	Y△	13	U△	4	△Y	8	Y△	1
U△	22	EU	12	"◇	4	U△	8	III	1
U)	22	UIII	12	△U	4	YII	8	U)	1
Y△	21	IIIU	12	IIOO	4	U*	7	Y)	1
△◇	21	△U	12	U△	3	III	7	U)	1
U)	21	△△	11	△△	3	UOC	6	△U	1
U△	20	△△	11	III	3	△△	6	UU	1
UII	20	III	11	U*	2	U△	6	UU	1
U△	20	U(III)	11	U△	2	△△	5	Y)	1
U)	20	UY	11	△II	2	△△	4	"⊙	1
Y⊙	20	Y⊙	11	△III	2	U(△Y)	4	IIOO	1
IIOO	19	"⊙	11	△III	2	△Y	4	III△	1
YIII	18	UOC	10	U)	2	△II	3		
"△	18	△△	10	U)	2	U△	3		
UY	18	△△	10	U△	2	UIII	3		
△△	17	Y△	10	Y⊙	2	U△	3		
U△	17	△△	10	III△	2	Y△	2		
YIII	17	U△	10	"△	1	△△	2		
△△	17	Y△	10	△△	1	U△	2		
U△	17	△U	10	△△	1	UIII	2		
△△	17	△△	10	UY	1	△III	2		

FS	Pairs	Freq	Pairs	Freq	Pairs	Freq	Pairs	Freq	Pairs	Freq	Pairs	Freq
44	Ulll	7	YU	7	UUY	6	UA	6	UUU	6	UUC	4
	UUA	4	UUM	4	EUU	4	Ulll	3	UUU	3	U*U	1
	UUU	1	Ulll	1	Ylll	1	UUU	1	UUU	1	UUU	1
	UUU	1	UUU	1	UUU	1	UUU	1	UUU	1	UUU	1
83	EUU	19	UUU	14	Ulll	13	Ulll	8	UUU	5	UUU	5
	Ulll	4	UUU	3	UUU	3	UUU	3	UUU	2	UUU	2
	UUU	2	UUU	2	UUU	1	UUU	1	UUU	1	UUU	1
	UUU	1	UUU	1	UUU	1	UUU	1	UUU	1	UUU	1
	UUU	1	UUU	1	UUU	1	UUU	1	UUU	1	UUU	1
	UUU	1	UUU	1								
85	UUU	4	UUU	4	UUU	3	EUU	3	UUU	2	UUU	2
	UUU	2	UUU	1	Ulll	1	UUU	1	UUU	1	UUU	1
	UUU	1	UUU	1								
91	Ulll	5	Ulll	2	UUU	2	EUU	2	UUU	1	UUU	1
	UUU	1	Ulll	1	UUU	1	UUU	1	UUU	1	UUU	1

**Statement 3.1: Frequency Distribution of Frequent Triplets
Within a Line of Text**

(Minimum total frequency of triplets = 10)

Solus		Initial		Medial		Final		Total	
Triplets	Freq	Triplets	Freq	Triplets	Freq	Triplets	Freq	Triplets	Freq
ஔஃ	41	ஃஃஃ	30	ஃஃஃ	31	ஃஃஃ	36	ஔஃ	46
ஃஃஃ	14	ஃஃஃ	25	ஃஃஃ	17	ஃஃஃ	31	ஃஃஃ	44
ஃஃஃ	12	ஃஃஃ	20	ஃஃஃ	15	ஃஃஃ	27	ஃஃஃ	44
ஃஃஃ	11	ஃஃஃ	19	ஃஃஃ	13	ஃஃஃ	25	ஃஃஃ	37
ஃஃஃ	5	ஃஃஃ	16	ஃஃஃ	12	ஃஃஃ	21	ஃஃஃ	37
ஃஃஃ	5	ஃஃஃ	15	ஃஃஃ	12	ஃஃஃ	20	ஃஃஃ	36
ஃஃஃ	4	ஃஃஃ	12	ஃஃஃ	12	ஃஃஃ	20	ஃஃஃ	30
ஃஃஃ	4	ஃஃஃ	12	ஃஃஃ	11	ஃஃஃ	17	ஃஃஃ	28
ஃஃஃ	4	ஃஃஃ	11	ஃஃஃ	11	ஃஃஃ	16	ஃஃஃ	27
ஃஃஃ	4	ஃஃஃ	11	ஃஃஃ	11	ஃஃஃ	16	ஃஃஃ	27
ஃஃஃ	4	ஃஃஃ	11	ஃஃஃ	11	ஃஃஃ	15	ஃஃஃ	24
ஃஃஃ	3	ஃஃஃ	11	ஃஃஃ	11	ஃஃஃ	13	ஃஃஃ	24
ஃஃஃ	2	ஃஃஃ	10	ஃஃஃ	10	ஃஃஃ	12	ஃஃஃ	21
ஃஃஃ	2	ஃஃஃ	10	ஃஃஃ	10	ஃஃஃ	11	ஃஃஃ	21
ஃஃஃ	2	ஃஃஃ	10	ஃஃஃ	10	ஃஃஃ	10	ஃஃஃ	20
ஃஃஃ	1	ஃஃஃ	10	ஃஃஃ	10	ஃஃஃ	10	ஃஃஃ	20
ஃஃஃ	1	ஃஃஃ	9	ஃஃஃ	10	ஃஃஃ	10	ஃஃஃ	20
ஃஃஃ	1	ஃஃஃ	7	ஃஃஃ	10	ஃஃஃ	10	ஃஃஃ	20
ஃஃஃ	1	ஃஃஃ	6	ஃஃஃ	10	ஃஃஃ	10	ஃஃஃ	20
ஃஃஃ	1	ஃஃஃ	6	ஃஃஃ	9	ஃஃஃ	10	ஃஃஃ	20
ஃஃஃ	1	ஃஃஃ	5	ஃஃஃ	8	ஃஃஃ	7	ஃஃஃ	20
		ஃஃஃ	5	ஃஃஃ	8	ஃஃஃ	7	ஃஃஃ	18
		ஃஃஃ	5	ஃஃஃ	7	ஃஃஃ	6	ஃஃஃ	17
		ஃஃஃ	3	ஃஃஃ	7	ஃஃஃ	6	ஃஃஃ	17
		ஃஃஃ	3	ஃஃஃ	6	ஃஃஃ	6	ஃஃஃ	17
		ஃஃஃ	3	ஃஃஃ	5	ஃஃஃ	6	ஃஃஃ	16
		ஃஃஃ	3	ஃஃஃ	5	ஃஃஃ	5	ஃஃஃ	16
		ஃஃஃ	3	ஃஃஃ	4	ஃஃஃ	4	ஃஃஃ	15
		ஃஃஃ	2	ஃஃஃ	4	ஃஃஃ	4	ஃஃஃ	15
		ஃஃஃ	2	ஃஃஃ	3	ஃஃஃ	1	ஃஃஃ	15
		ஃஃஃ	1	ஃஃஃ	3			ஃஃஃ	14
		ஃஃஃ	1	ஃஃஃ	3			ஃஃஃ	14
		ஃஃஃ	1	ஃஃஃ	3			ஃஃஃ	14
		ஃஃஃ	1	ஃஃஃ	2			ஃஃஃ	13
		ஃஃஃ	1	ஃஃஃ	2			ஃஃஃ	13
		ஃஃஃ	1	ஃஃஃ	2			ஃஃஃ	12
		ஃஃஃ	1	ஃஃஃ	2			ஃஃஃ	12
		ஃஃஃ	1	ஃஃஃ	2			ஃஃஃ	12
		ஃஃஃ	1	ஃஃஃ	2			ஃஃஃ	12
		ஃஃஃ	1	ஃஃஃ	1			ஃஃஃ	12

**Statement 3.2: Frequency Distribution of Frequent Triplets by Major Sites
(min. 100 inscriptions)**

(Minimum total frequency of triplets = 10)

MD		HP		LL		KB	
Triplets	Freq	Triplets	Freq	Triplets	Freq	Triplets	Freq
𐤀𐤁𐤂	31	𐤀𐤁𐤂	42	𐤀𐤁𐤂	11	𐤀𐤁𐤂	2
𐤀𐤁𐤃	29	𐤀𐤁𐤃	26	𐤀𐤁𐤃	11	𐤀𐤁𐤃	2
𐤀𐤁𐤄	22	𐤀𐤁𐤄	19	𐤀𐤁𐤄	11	𐤀𐤁𐤄	2
𐤀𐤁𐤅	21	𐤀𐤁𐤅	18	𐤀𐤁𐤅	8	𐤀𐤁𐤅	2
𐤀𐤁𐤆	20	𐤀𐤁𐤆	17	𐤀𐤁𐤆	6	𐤀𐤁𐤆	2
𐤀𐤁𐤇	19	𐤀𐤁𐤇	16	𐤀𐤁𐤇	3	𐤀𐤁𐤇	1
𐤀𐤁𐤈	18	𐤀𐤁𐤈	15	𐤀𐤁𐤈	3	𐤀𐤁𐤈	1
𐤀𐤁𐤉	17	𐤀𐤁𐤉	15	𐤀𐤁𐤉	2	𐤀𐤁𐤉	1
𐤀𐤁𐤊	17	𐤀𐤁𐤊	14	𐤀𐤁𐤊	2	𐤀𐤁𐤊	1
𐤀𐤁𐤋	16	𐤀𐤁𐤋	13	𐤀𐤁𐤋	2	𐤀𐤁𐤋	1
𐤀𐤁𐤌	16	𐤀𐤁𐤌	13	𐤀𐤁𐤌	1	𐤀𐤁𐤌	1
𐤀𐤁𐤍	15	𐤀𐤁𐤍	12	𐤀𐤁𐤍	1	𐤀𐤁𐤍	1
𐤀𐤁𐤎	15	𐤀𐤁𐤎	11	𐤀𐤁𐤎	1	𐤀𐤁𐤎	1
𐤀𐤁𐤏	14	𐤀𐤁𐤏	11	𐤀𐤁𐤏	1	𐤀𐤁𐤏	1
𐤀𐤁𐤐	13	𐤀𐤁𐤐	11	𐤀𐤁𐤐	1	𐤀𐤁𐤐	1
𐤀𐤁𐤑	13	𐤀𐤁𐤑	11	𐤀𐤁𐤑	1	𐤀𐤁𐤑	1
𐤀𐤁𐤒	13	𐤀𐤁𐤒	11	𐤀𐤁𐤒	1	𐤀𐤁𐤒	1
𐤀𐤁𐤓	12	𐤀𐤁𐤓	11	𐤀𐤁𐤓	1	𐤀𐤁𐤓	1
𐤀𐤁𐤔	11	𐤀𐤁𐤔	10	𐤀𐤁𐤔	1	𐤀𐤁𐤔	1
𐤀𐤁𐤕	11	𐤀𐤁𐤕	10	𐤀𐤁𐤕	1	𐤀𐤁𐤕	1
𐤀𐤁𐤖	11	𐤀𐤁𐤖	9	𐤀𐤁𐤖	1	𐤀𐤁𐤖	1
𐤀𐤁𐤗	11	𐤀𐤁𐤗	9	𐤀𐤁𐤗	1	𐤀𐤁𐤗	1
𐤀𐤁𐤘	11	𐤀𐤁𐤘	8	𐤀𐤁𐤘	1	𐤀𐤁𐤘	1
𐤀𐤁𐤙	11	𐤀𐤁𐤙	8	𐤀𐤁𐤙	1	𐤀𐤁𐤙	1
𐤀𐤁𐤚	10	𐤀𐤁𐤚	7	𐤀𐤁𐤚	1	𐤀𐤁𐤚	1
𐤀𐤁𐤛	10	𐤀𐤁𐤛	6				
𐤀𐤁𐤜	10	𐤀𐤁𐤜	6				
𐤀𐤁𐤝	10	𐤀𐤁𐤝	5				
𐤀𐤁𐤞	10	𐤀𐤁𐤞	5				
𐤀𐤁𐤟	10	𐤀𐤁𐤟	5				
𐤀𐤁𐤠	10	𐤀𐤁𐤠	5				
𐤀𐤁𐤡	9	𐤀𐤁𐤡	4				
𐤀𐤁𐤢	9	𐤀𐤁𐤢	4				
𐤀𐤁𐤣	8	𐤀𐤁𐤣	4				
𐤀𐤁𐤤	8	𐤀𐤁𐤤	4				
𐤀𐤁𐤥	7	𐤀𐤁𐤥	4				
𐤀𐤁𐤦	7	𐤀𐤁𐤦	4				
𐤀𐤁𐤧	7	𐤀𐤁𐤧	4				
𐤀𐤁𐤨	7	𐤀𐤁𐤨	4				
𐤀𐤁𐤩	6	𐤀𐤁𐤩	4				
𐤀𐤁𐤪	6	𐤀𐤁𐤪	3				
𐤀𐤁𐤫	6	𐤀𐤁𐤫	3				

Statement 3.3: Frequency Distribution of Frequent Triplets by Object Types
(min.100 inscriptions)

(Minimum total frequency of triplets = 10)

Seals		Sealings		Min. Tab.		Cop. Tab.		Pot. Grafi.	
Triplets	Freq	Triplets	Freq	Triplets	Freq	Triplets	Freq	Triplets	Freq
𐎧𐎢𐎠𐎢	40	𐎧𐎢𐎠𐎢	21	𐎧𐎢𐎠𐎢	38	𐎧𐎢𐎠𐎢	20	𐎧𐎢𐎠𐎢	1
𐎧𐎢𐎠𐎢	24	𐎧𐎢𐎠𐎢	15	𐎧𐎢𐎠𐎢	12	𐎧𐎢𐎠𐎢	19	𐎧𐎢𐎠𐎢	1
𐎧𐎢𐎠𐎢	24	𐎧𐎢𐎠𐎢	15	𐎧𐎢𐎠𐎢	11	𐎧𐎢𐎠𐎢	17	𐎧𐎢𐎠𐎢	1
𐎧𐎢𐎠𐎢	23	𐎧𐎢𐎠𐎢	15	𐎧𐎢𐎠𐎢	11	𐎧𐎢𐎠𐎢	12		
𐎧𐎢𐎠𐎢	20	𐎧𐎢𐎠𐎢	13	𐎧𐎢𐎠𐎢	10	𐎧𐎢𐎠𐎢	11		
𐎧𐎢𐎠𐎢	20	𐎧𐎢𐎠𐎢	11	𐎧𐎢𐎠𐎢	9	𐎧𐎢𐎠𐎢	11		
𐎧𐎢𐎠𐎢	20	𐎧𐎢𐎠𐎢	11	𐎧𐎢𐎠𐎢	9	𐎧𐎢𐎠𐎢	10		
𐎧𐎢𐎠𐎢	19	𐎧𐎢𐎠𐎢	11	𐎧𐎢𐎠𐎢	9	𐎧𐎢𐎠𐎢	10		
𐎧𐎢𐎠𐎢	17	𐎧𐎢𐎠𐎢	11	𐎧𐎢𐎠𐎢	3	𐎧𐎢𐎠𐎢	10		
𐎧𐎢𐎠𐎢	17	𐎧𐎢𐎠𐎢	11	𐎧𐎢𐎠𐎢	1	𐎧𐎢𐎠𐎢	10		
𐎧𐎢𐎠𐎢	16	𐎧𐎢𐎠𐎢	11	𐎧𐎢𐎠𐎢	1	𐎧𐎢𐎠𐎢	10		
𐎧𐎢𐎠𐎢	16	𐎧𐎢𐎠𐎢	10	𐎧𐎢𐎠𐎢	1	𐎧𐎢𐎠𐎢	10		
𐎧𐎢𐎠𐎢	13	𐎧𐎢𐎠𐎢	10	𐎧𐎢𐎠𐎢	1	𐎧𐎢𐎠𐎢	10		
𐎧𐎢𐎠𐎢	13	𐎧𐎢𐎠𐎢	10	𐎧𐎢𐎠𐎢	1	𐎧𐎢𐎠𐎢	10		
𐎧𐎢𐎠𐎢	11	𐎧𐎢𐎠𐎢	10	𐎧𐎢𐎠𐎢	1	𐎧𐎢𐎠𐎢	9		
𐎧𐎢𐎠𐎢	11	𐎧𐎢𐎠𐎢	10	𐎧𐎢𐎠𐎢	1	𐎧𐎢𐎠𐎢	9		
𐎧𐎢𐎠𐎢	11	𐎧𐎢𐎠𐎢	10	𐎧𐎢𐎠𐎢	1	𐎧𐎢𐎠𐎢	5		
𐎧𐎢𐎠𐎢	11	𐎧𐎢𐎠𐎢	9			𐎧𐎢𐎠𐎢	4		
𐎧𐎢𐎠𐎢	10	𐎧𐎢𐎠𐎢	9			𐎧𐎢𐎠𐎢	2		
𐎧𐎢𐎠𐎢	10	𐎧𐎢𐎠𐎢	8			𐎧𐎢𐎠𐎢	2		
𐎧𐎢𐎠𐎢	10	𐎧𐎢𐎠𐎢	8			𐎧𐎢𐎠𐎢	2		
𐎧𐎢𐎠𐎢	10	𐎧𐎢𐎠𐎢	8			𐎧𐎢𐎠𐎢	1		
𐎧𐎢𐎠𐎢	9	𐎧𐎢𐎠𐎢	7						
𐎧𐎢𐎠𐎢	8	𐎧𐎢𐎠𐎢	7						
𐎧𐎢𐎠𐎢	8	𐎧𐎢𐎠𐎢	6						
𐎧𐎢𐎠𐎢	8	𐎧𐎢𐎠𐎢	6						
𐎧𐎢𐎠𐎢	8	𐎧𐎢𐎠𐎢	5						
𐎧𐎢𐎠𐎢	7	𐎧𐎢𐎠𐎢	5						
𐎧𐎢𐎠𐎢	6	𐎧𐎢𐎠𐎢	4						
𐎧𐎢𐎠𐎢	6	𐎧𐎢𐎠𐎢	4						
𐎧𐎢𐎠𐎢	6	𐎧𐎢𐎠𐎢	4						
𐎧𐎢𐎠𐎢	5	𐎧𐎢𐎠𐎢	4						
𐎧𐎢𐎠𐎢	5	𐎧𐎢𐎠𐎢	3						
𐎧𐎢𐎠𐎢	5	𐎧𐎢𐎠𐎢	3						
𐎧𐎢𐎠𐎢	5	𐎧𐎢𐎠𐎢	2						
𐎧𐎢𐎠𐎢	4	𐎧𐎢𐎠𐎢	2						
𐎧𐎢𐎠𐎢	4	𐎧𐎢𐎠𐎢	2						
𐎧𐎢𐎠𐎢	4	𐎧𐎢𐎠𐎢	1						
𐎧𐎢𐎠𐎢	3	𐎧𐎢𐎠𐎢	1						
𐎧𐎢𐎠𐎢	3	𐎧𐎢𐎠𐎢	1						
𐎧𐎢𐎠𐎢	3	𐎧𐎢𐎠𐎢	1						

Seals		Sealings		Min. Tab.		Cop. Tab.		Pot. Grafi.	
Triplets	Freq	Triplets	Freq	Triplets	Freq	Triplets	Freq	Triplets	Freq
EU*	2	U)III	1						
U)III	2	U)A)III	1						
HQT	2	U)A)III	1						
(U)U	2	U)A)III	1						
U)III	2	U)A)III	1						
EU*	1	III)U	1						
U)III	1	EUU	1						
U)III	1	U)O	1						

