

APPENDIX

ANNOTATED INDEX OF CRETAN HIEROGLYPHIC  
SEQUENCES OF TWO OR MORE SIGNS

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This Appendix, updated to January 2023, offers a complete index of Cretan Hieroglyphic sign groups of two or more signs, integrating the sequences already published in *CHIC* with new ones published, to date, after 1996. More precisely, it includes twenty different sequences recently published from Petras,<sup>1</sup> four from Vrysinas,<sup>2</sup> one from Malia,<sup>3</sup> one from Pyrgos,<sup>4</sup> one from Gournia,<sup>5</sup> one from Katalimata<sup>6</sup> and one from Knossos.<sup>7</sup> For each sequence, a transliteration in Cretan Hieroglyphic fonts, a transnumeration, the indication of the support (or supports) on which it is attested and the provenance is given.

This list is not intended as a substitute for the index of occurrences of Cretan Hieroglyphic signs published in *CHIC*, since it does not include signs attested in isolation (i.e. not in sign groups). Here, the focus is not on the attestation of specific signs in different sequences (that is the purpose of the signs list published in *CHIC*) but on the distribution of these different sequences over the variety of media on which they recur at each site where they appear. For this reason, each sequence is repeated just once, along with the indication of the document typology (or typologies, if attested more frequently and on different supports) on which it recurs and its (or their) provenance.

Furthermore, the orientation of the reading on seals is often difficult to ascertain; therefore, in these cases, the sequence is marked by '><'. For instance, a sign group like 006-041 ><, recurring in *CHIC* #246.β, could be read both as 006-041 and 041-006. Given that this is one and the same sequence, we have chosen not to duplicate it in our index (as 006-041 and 041-006), but to list it just once. In some cases, no reading patterns can be established, and therefore the sign group is followed by a 'o'. This is the case, for example, with sign groups (or their

<sup>1</sup> Tsipopoulou and Hallager 1996a; 1996b; 2010; Krzyszkowska 2012 and 2017.

<sup>2</sup> Hallager, Papadopoulou and Tzachili 2011: 65–70, figs. 4–5; Del Frio 2017: 8–9.

<sup>3</sup> Schoep 1995; Olivier 1999: 420; 2009: 188; Pomadère 2009; Del Frio 2012: 5–6; 2017: 6.

<sup>4</sup> *CMS* II.6, 230; Del Frio 2008: 200. <sup>5</sup> Del Frio 2017: 4. <sup>6</sup> *Ibid.*: 6.

<sup>7</sup> Kanta 2018 cat. 305; Kanta, Palaima and Perna 2023.

impressions) incised on round surfaces of seals which do not have an initial ‘X’ and have a non-linear alignment (cf. e.g. 016-019-056 o on #193; 018-039-005 o on #142; 019-013-040 o on #192; 042-040-049 o on #129) or of sequences composed of signs incised on three different faces of a prism (cf. 038-043-049 o on #256.α-β-γ) or attested on cones (cf. 042-034-007-040 o on #070).

When for a single sequence two or more readings have been proposed, we have supplied all interpretations, with references provided in footnotes. Sequences from seals and/or their impressions are rendered in bold. Finally, the signs interpreted by *CHIC* (13–15) as syllabograms and logograms ‘*dont nous ne pouvons pas expliquer mécaniquement la présence*’ and ‘*Représentations autres que de signes*’ ({} in *CHIC*) are, here, reported in Cretan Hieroglyphic font between {{ }} in the third column and in footnotes.

### Index of Cretan Hieroglyphic Sequences in Context

Legend: 1 or 2fS (1- or 2-face seal); 3, 4 or 8sP (3-, 4- or 8-sided prism); 2sL (2-sided lame); 4sB (4-sided bar).

**NB:** italic = uncertain reading; bold = sequence attested on seals or sealings; non italic/non bold: sequence attested on other kind of documents



































CH phonetic sequence	Transnumeration	Document number <sup>8</sup>	Document format	Find spot
[ ] ⤴ >>	[ ]049-061 >>	#063.b1	4sB	KN
[•] ⤴ ⤴	[•]-029-049	PE Hh 016.b (CB1) <sup>9</sup>	4sB	PE
[•] ⤴ ⤴ [•]	[•]-031-039-[•]	PE Ha 003.δ (Cr1) <sup>10</sup>	crescent	PE
[•] ⤴ ⤴ ⤴	[•]-072-019-070	PE He 009.a (Me4) <sup>11</sup>	medallion	PE
Other possible reading: ⤴ ⤴ ⤴	18-072-019-070			
[•] ⤴ ⤴ ⤴	[•]-080-057-070	PE Hh 017a (CB2) <sup>12</sup>	4sB	PE
[•] ⤴ >>	[•]060-009 >>	#075.a	medallion	MA/M
[•] ⤴ ⤴ >>	]•••-056-011-• >>	<b>#289.β</b>	<b>4sP</b>	<b>PK</b>

<sup>8</sup> Document numbers preceded by a hash sign (#) refer to their *CHIC* edition. Numbers followed by ‘bis’ were published after 1994 and numbered following the progressive numeration introduced by Godart and Olivier; for these documents, as well as for others not numbered according to this system, bibliographical references are mentioned in footnotes.

<sup>9</sup> Tsipopoulou and Hallager 2010: 161, 178–81.

<sup>10</sup> Ibid.: 155, 178–81. <sup>11</sup> Ibid.: 162, 178–81. <sup>12</sup> Ibid.

Cretan Hieroglyphic Sequences of Two or More Signs

CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
]••  [ ><	]••-057-023[ ><	#114.d	4sB	MA/P
Possible alternative readings: ]••  [ >< or ]••  [ ><	]•-030-057-023[ >< ]•-040-057-023[ ><			
•[ ]  •	•[ ]-010-049	KATALIMATA Yb 01 <sup>13</sup>	Chamaizi vase	KATALIMATA
]• 	]•-013-035	#105.aB	2sL	MA/P
]• 	]•-013-060	#115.b	4sB	MA/P
]• 	]•-016-038	#105.aA	2sL	MA/P
]• 	]•-034-056	#061.b	4sB	KN
]•  ><	]•-038-011 ><	#025.γ	crescent	KN
]•  ><	]•-042-061 ><	#035.a	medallion	KN
]•  • 	]•-042-049-016-016-077	#112.a	4sB	MA/P
]• 	]•-056-077	#113.b2	4sB	MA/P
]• 	]•-058-031-056	#053.aB	4sB	KN
]•! [ ]  ><	]•-062 [ ]034-010[ ><	#289.δ	4sP	PK
]•  •[ ><	]•-070-007-•[ ><	#114.a	4sB	MA/P
]•  •[ ><	]•-092-056-034-•[ ><	#289.γ	4sP	PK
• 	•-056-061-077	#294.γI?	4sP	CR
• 	•-062-011-056	#013.γ	crescent	KN
• 	•-072-038-007-016	#098.a	medallion	MA/P
]• 	]002-061	#112.c	4sB	MA/P
]• 	]005-063	#066.c	4sB	KN
]•  ><	]006-057-092 ><	#063.aI	4sB	KN
]•  [ ><	]011-056[ ><	#015.γ	crescent	KN
]• 	]013-049	#106.a	2sL	MA/P
]•  ><	]019-055 ><	#029.δ	crescent	KN
]• 	]023-032	#061.a	4sB	KN
]•  • 	]028-020-041 ><	#160	impression (crescent) from 4sP	KN
]•  •	]029-049	#054.d	4sB	KN
]•  •[ ><	]029-064-•[ ><	#330	vase handle	MA/V
]• 	]029-070	#052.d	4sB	KN
]• 	]031-021-061	#059.cB	4sB	KN
]• 	]031-041	#088.a	2sL	MA/M

<sup>13</sup> Del Frio 2017: 6.

Appendix

CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
] 𐌲𐌹𐌺𐌰𐌰[ >< Possible alternative reading: ] 𐌲𐌹𐌺𐌰𐌰[ ><	]033-018-070[ ><  ]033-018-070-•[ ><	#055.a	4sB	KN
] 𐌲𐌹𐌺𐌰𐌰 >?	]035-053-034 >?	#115.a	4sB	MA/P
] 𐌲𐌹𐌺𐌰 ><	]038-010-068 ><	#044.a	medallion	KN
] 𐌲𐌹𐌺 ><	]038-019-061 ><	#028.γ*	crescent	KN
] 𐌲𐌹𐌺𐌰	]040-013	#113.cB	4sB	MA/P
] 𐌲𐌹𐌺𐌰	]041-006	#063.a2	4sB	KN
] 𐌲𐌹𐌺𐌰[	]042-028[	#330bis <sup>14</sup>	amphora handle	MA
] 𐌲𐌹𐌺 ><	]042-038 ><	#224.α	3sP	CR (?)
] 𐌲𐌹𐌺! [ 0	]042-049-050[ 0	#178	impression (flat-based nodule) from ?sP	KN
] 𐌲𐌹𐌺	]042-054-061 <sup>15</sup>	#062.cB, #062.dB In #062.bB a reading ]•𐌹𐌺 (]•-054-61) is possible as well	4sB	KN
] 𐌲𐌹𐌺[ ><	]042-054[ ><	#189	1fS (Petschaft)	MA/M
] 𐌲𐌹𐌺	]042-056-031	#061.a	4sB	KN
] 𐌲𐌹𐌺	]042-061	#054.a	4sB	KN
] 𐌲𐌹𐌺	]042-063-060	#112.d	4sB	MA/P
] 𐌲𐌹𐌺 [ ><	]044-049[ ><	#285.β	4sP	CR (?)
] 𐌲𐌹𐌺[ >< Possible alternative reading: ] 𐌲𐌹𐌺•[ ><	]047-092[ ><  ]047-092-•[ ><	#005.γ	crescent	KN
] 𐌲𐌹𐌺•[ ><	]049-060-•[ ><	#099.a	medallion	MA/P
] 𐌲𐌹𐌺 >?	]050-016 >?	#002.δ	crescent	KN
] 𐌲𐌹𐌺•[ ><	]050-019-038-•[ ><	#033.a	medallion	KN
] 𐌲𐌹𐌺[ ><	]053-006[ ><	#063.d2	4sB	KN
] 𐌲𐌹𐌺	]054-061	#062.a	4sB	KN
] 𐌲𐌹𐌺 [ 𐌲𐌹𐌺 ><	]055-020[ ]011-040 ><	#117.a	4sB	MA/P
] 𐌲𐌹𐌺 ><	]056-070 ><	#321	vase fragment	MA/M

<sup>14</sup> Schoep 1995: 63–77. <sup>15</sup> Cf. 009-054-061-•[ and 042-054-061.

Cretan Hieroglyphic Sequences of Two or More Signs

CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
] 𐀣𐀤 Possible alternative reading: ] 𐀣	]057-023[  ]057	#114.c	4sB	MA/P
] 𐀣𐀥 >>	]057-053 >>	#063.b1	4sB	KN
] 𐀣𐀥𐀦 >> Possible alternative readings: ] 𐀣𐀥𐀦 >> or ] 𐀣𐀥𐀦 >>	]061-080-032[ >>  ]061-046-032[ >> ]061-057-032[ >>	#092.a	2sL	MA/M
] 𐀣𐀧 >>	]062-019-061 >>	#028.γ	crescent	KN
] 𐀣𐀨 >>	]065-063 >>	#009.γ	crescent	KN
] 𐀣𐀩𐀪 >>	]070-013-•[ >>	#114.b	4sB	MA/P
] 𐀣𐀩𐀫𐀬 >>	]070-055-057-056[ >>	#103.a	medallion	MA/P
] 𐀣𐀩𐀭 >>	]070-058[ ] >>	#055.b	4sB	KN
] 𐀣𐀮 >>	]073-070[ >>	#069.r.2	tablet	KN
] 𐀣𐀯𐀰𐀱𐀲𐀳	]077-042-049-016-016-056-077	#112.b	4sB	MA/P
] 𐀣𐀴 [ ] 𐀴 >>	]086 [ ]042 >>	#035.b	medallion	KN
] 𐀣𐀵𐀶𐀷 >>	]088-087-070-027 >>	#319	pithos lid	MA/M
] 𐀣𐀸𐀹	]092-049	#061.d	4sB	KN
𐀴 (?)	004-050 (?)	<b>P.TSK05/291.a</b> <sup>16</sup>	<b>4sP</b>	PE
𐀴𐀵 >>	006-041 >>	<b>#246.β</b>	<b>3sP</b>	KRITSA
𐀴𐀶𐀷 0	006-057-092 0 <sup>17</sup>	<b>#243.β</b>	<b>3sP</b>	CR
𐀴𐀸 >>	006-062-012 >>	<b>#302.γ</b>	<b>4sP</b>	CR (?)
𐀴𐀹 >>	006-070 >>	<b>#268.γ</b>	<b>3sP</b>	LAKONIA
𐀴𐀺𐀻𐀼 >?	007-010-006-023 >?	#043.a1	medallion	KN
𐀴𐀽𐀾	008-019-013	#120.v.A	tablet	MA/P
𐀴𐀿 𐀴 >> Possible alternative reading: 𐀴𐀿 𐀴 >>	008-019-036 >>  008-011-036 >>	<b>#282.a</b> <sup>018</sup>	<b>4sP</b>	PYR
𐀴𐀿 0	008-053-017 0	<b>#128</b>	<b>impression (nodulus) from 1fS</b>	Ma/M
𐀴𐀿𐀾 >>	008-056-013 >>	#076.a	medallion	MA/M

<sup>16</sup> Krzyszkowska 2012: 152–3, nn. 30, 31 and fig. 7; Del Frio 2017: 7–8, PE S (3/4) 02.a.

<sup>17</sup> Cf. ]006-057-092 on #063.a1, 4sB from Knossos.




























<sup>18</sup> In the inscription 008-019-036, the last sign is clearly reduplicated (𐀴𐀿 {𐀴𐀿}) for compositional reasons and was not meant to be read phonetically (cf. *CHIC* category ‘*Décoration éventuellement signifiante non évidente*’; *CHIC*: 13–15).

Appendix

CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
𐌸𐌰𐌶𐌵	008-056-070 0	#132	<b>impression</b> (vase handle) from 1fS	MA/M
𐌸𐌰𐌶𐌵	008-068	#322	Chamaizi vase	MA/M
Possible alternative reading: 𐌸𐌰𐌶𐌵	096-068			
𐌸𐌰𐌶𐌵	008-070-060	#112.d	4sB	MA/P
𐌸𐌰𐌶𐌵	008-070[	#113.d	4sB	MA/P
𐌸𐌰𐌶𐌵	009-054-061-•[	#060.c	4sB	KN
𐌸𐌰𐌶𐌵	009-056-061	#018.β	crescent	KN
𐌸𐌰𐌶𐌵	009-056-061	<b>#156</b>	<b>impression</b> ( <i>nodulus</i> ) from 4sP	KN
𐌸𐌰𐌶𐌵	009-077-013-020	#003.γ	crescent	KN
𐌸𐌰𐌶𐌵	009-077-013-020	<b>#139</b>	<b>impression</b> ( <i>nodulus</i> ) from 3sP	KN
𐌸𐌰𐌶𐌵	010-031	<b>#254.α</b>	<b>3sP</b>	CR
𐌸𐌰𐌶𐌵	010-070-005	#058.c	4sB	KN
𐌸𐌰𐌶𐌵	010-092-028 ><	<b>#172</b>	<b>impression</b> (crescent) from 4sP	MA/M
𐌸𐌰𐌶𐌵	011-006-092-033	PE Hh 016c (CB1) <sup>19</sup>	4sBa	PE
𐌸𐌰𐌶𐌵	011-010 ><	<b>#304.γ</b>	<b>4sP</b>	CR (?)
𐌸𐌰𐌶𐌵	011-029-037	#057.d	4sB	KN
𐌸𐌰𐌶𐌵	011-038-016 ><	<b>#148</b>	<b>impression</b> ( <i>nodulus</i> ) from 3sP	MA/M
𐌸𐌰𐌶𐌵	011-038-029 ><	#072.a	medallion	MA/M
Possible alternative reading: 𐌸𐌰𐌶𐌵	011-038-030 ><			
𐌸𐌰𐌶𐌵	011-056	#024.γ	crescent	KN
𐌸𐌰𐌶𐌵	011-056 ><	<b>#297.γ</b>	<b>4sP</b>	CR
𐌸𐌰𐌶𐌵	011-077-034	#045.a	medallion	KN
𐌸𐌰𐌶𐌵	011-092	#026.γ	crescent	KN



<sup>19</sup> Tsipopolou and Hallager 2010: 161, 178–81.

Cretan Hieroglyphic Sequences of Two or More Signs

CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
 >>	012-016-062-018 >>	#271.a	3sP	MA
 >>	012-031-082 >>	#080.a	medallion	MA/M
Possible alternative reading:  >>	012-031-083 >>			
	012-050	#113cA	4sB	MA/P
	012-070-048	#236.a	3sP	MA/V
	013-050	#264.a	3sP	IRAKLIO
Possible alternative reading: <sup>20</sup> 	013-050-004			
	013-056-068	#002.γ	crescent	KN
 >>	014-050 >>	#300.d	4sP	CR (?)
 o	016-019-056 o	#193	1fS ( <i>Petschaft</i> )	ZIROS
	016-038-007-051	#090.a	2sL	MA/M
	016-045-056	P.TSK05/291.β <sup>21</sup>	4sP	PE
	016-054	#003.β	crescent	KN
	016-057-013-074-075	#053.c	4sB	KN
	017-039	#037.b	medallion	KN
 >>	017-050 >>	#234.a	3sP	MA/M
		#310.β <sup>o</sup>	4sP	SITIA
		(  ) <sup>22</sup>		
 o	018-039-005 o	#142	impression (crescent) from 3sP	KN
	018-043	#314.η2, #314.θ1	8sP	NEAPOLIS
	018-046	#301.γ	4sP	CR (?)
 o	019-013-040 o	#192	1fS ( <i>Petschaft</i> )	<NEAPOLIS>
	019-013-049	#307.a	4sP	<MA/S>
 >>	019-031-061 >>	#273.β	3sP	MIRABELO
	019-034	#109.a	2sL	MA/P
	019-038-059	#004.γ	crescent	KN
 >>	019-039-038-031 >>	#303.γ	4sP	CR (?)
	019-040-061	#049.c	4sB	KN

<sup>20</sup> Krzyszkowska 2012: 152; Del Frio 2017: 8.

<sup>21</sup> Krzyszkowska 2012: 152–3, nn. 30, 31 and fig. 7; Del Frio 2017: 7, PE S (3/4) o2.β.

<sup>22</sup> The sign o01 () is attested as a syllabogram on clay documents but two times only on seals (in this case, with 017-050: () is interpreted by CHIC (13–15) as signs ‘*dont nous ne pouvons pas expliquer mécaniquement la présence*’.

Appendix

CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
Y●[	019-047[	#176	<b>impression</b> (crescent) from ?sP	KN
YB* >>	019-057-029 >>	#190	<b>ifS</b> ( <i>Petschaft</i> )	MESARA
YR	019-061	#196° (YR{{Y}}) <sup>23</sup>	<b>ifS</b> (half- ovoid)	GORTIS
Y:~>	019-070-061	#040.a	medallion	KN
Y●●*	019-077-029	#038.a	medallion	KN
SS●□	020-016-041 >>	#082.a	medallion	MA/M
Y*Y●[	023-025-003[	MA/V Yb 04 <sup>24</sup>	vase	MA
SS○	020-047	#018.γ	crescent	KN
SS●●	020-077	#039.a	medallion	KN
Y●:~>	022-056-070-061	#071	cone	MA/M
Possibly attested in #059.dB*:				
[ ] Y:~>	[ ] 056-070-061	#059.dB*	4sB	KN
Y*Y*Y*	023-061-019-057	#036.a	medallion	KN
Y↑	024-050	#043.a2	medallion	KN
Y*	025-010	#043.a2	medallion	KN
Y*Y:~>A-	-025-019-051-070-094-	#328 (2)	libation table	MA
Y*●●	025-025-●●	#294.γ2?	<b>4sP</b>	CR
Y* [●][ >>	025-046 [●][ >>	#019.γ	crescent	KN
Y*↑(●?) Y*↑(●?)	025-049(●?)040(●?)	#294.a?	<b>4sP</b>	CR
Y*●●	025-056-005	PE Hh 016d (CB1) <sup>25</sup>	4sB	
Y~>	026-061	#056.c	4sB	KN
Y*Y*Y* >>	027-034-070 >>	#073.a	medallion	MA/M
Y*Y*	028-●-049	#049.a	4sB	KN
Y*Y*Y*	028-007-018 >>	#296.a	<b>4sP</b>	CR
Y*Y*Y*	028-029-002	#059.bA	4sB	KN
Y*Y*Y*	028-038-002	#058.d	4sB	KN
Y*Y*Y*[	028-038-032[	#008.γ	crescent	KN
Y*Y*Y*	028-040-004	#049.d	4sB	KN
Y*Y*[ >>	028-041[ >>	#102.a	medallion	MA/P
Y*Y*Y* >>	028-044-049 >>	<b>P.TSK05/291.γ</b> <sup>26</sup>	4sP	PE

<sup>23</sup> Here the sequence is accompanied by the so-called ‘cat mask’ (YR{{Y}}), interpreted by CHIC (13–15) as ‘décoration éventuellement signifiante non évidente’ (‘représentations autres que de signes’).
















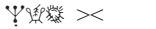












<sup>24</sup> Pomadère 2009: 637, fig. 4; Del Frio 2012: 5–6; Del Frio 2017: 6.

<sup>25</sup> Tsipopoulou and Hallager 2010: 161, 178–81.

<sup>26</sup> Krzyszkowska 2012: 152–3, nn. 30, 31 and fig. 7; Del Frio 2017: 7, PE S (3/4) 02.γ.



Cretan Hieroglyphic Sequences of Two or More Signs











CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
	028-049-007-042[	#059.dB	4sB	KN
	028-049-041-003	#053.aA	4sB	KN
	028-049-041-003[	#060.a	4sB	KN
	028-049-042-031-056-036 ><	<b>#255.β</b>	<b>4sP</b>	CR
	028-049-049	#059.aA	4sB	KN
	028-049[	#012.γ	crescent	KN
	028-061-049-047 o	<b>#186</b>	<b>1fS</b> ( <i>Petschaft</i> )	KALO HORIO
	028-070 ><	#081.a	medallion	MA/M
	029-014-•[	<b>#245.γ</b>	<b>3sP</b>	CR (?)
	029-041-056-038-077 ><	<b>#200</b>	<b>1fS</b> (half-cylinder concave)	MA
Possible alternative reading: 	029-041-056-077-038 ><			
	029-077-049	<b>#295.β</b>	<b>4sP</b>	CR
	030-034 ><	#083.a	medallion	MA/M
	031-006-034 ><	<b>#276.β</b>	<b>3sP</b>	PINAKIANO
	031-021-061 <sup>27</sup>	<b>#149</b>	<b>impression</b> (crescent) from 3sP	MA/M
		<b>#197</b>	<b>1fS</b> (half-ovoid)	MA/M
		<b>P.TSK05/291.δ<sup>28</sup></b>	<b>4sP</b>	PE
	031-055-081 ><	#077.a	medallion	MA/M
	032-009-056	#104.a	medallion	MA/P
	033-047	#065.c	4sB	KN
	034-002	#058.c	4sB	KN
	034-007 ><	<b>#308.β</b>	<b>4sP</b>	PK
	034-041-084	#089.b	2sL	MA/M
	034-056	#049.c	4sB	KN
	034-056-019-049	#061.d	4sB	KN
	-034-056-077-049-038-029	#328 (3)	libation table	MA
	036-010 ><	<b>#297.β2</b>	<b>4sP</b>	CR
	036-013 ><	<b>#304.β<sup>29</sup></b>	<b>4sP</b>	CR (?)
	036-031	#112.d	4sB	MA/P
	036-038-076 ><	<b>#306.β</b>	<b>4sP</b>	MA

<sup>27</sup> Cf. J031-021-061 on #059.cB (4sB, KN).




<sup>28</sup> Krzyszkowska 2012: 152–3, nn. 30, 31 and fig. 7; Del Frio 2017: 7, PE S (3/4) 02.δ.

<sup>29</sup> Here the sequence is accompanied by a supplementary sign included in the *CHIC* category (13–15) ‘*Décoration éventuellement signifiante*’ (ignored in the *CHIC* edition), namely the fleur-de-lys {{♣}}, attested on this seal only.



Appendix

CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
	036-040-049[	#191	1fS ( <i>Petschaft</i> )	MOHLOS
	036-047-009-056-062 ><	#126	impression ( <i>nodulus</i> ) from 1fS	MA/M
	036-092	#131	impression ( <i>nodulus</i> ) from 1fS	MA/M
		#288.δ	3sP	MA/V
		#229.a	3sP	MA
		#263.a	3sP	CR (?)
		#265.γ	3sP	KASTELI
		#267.β	3sP	KY
		#299.γ	4sP	CR (?)
		#150bis <sup>30</sup>	impression (amphora handle) from 3sP	PE
	036-092[	#109.b	2sL	MA/P
	036-092-031	#254.γ, #257.β, #258.β #262.a <sup>31</sup> #272.β #308.a #309.δ #312.β P.TSK05/259.β <sup>32</sup> #314.ζ	3sP 3sP 3sP 3sP 4sP 4sP 4sP 4sP 8sP	CR CR? MIRABELO PK PYR XIDA PE NEAPOLIS
	037-011-029	#042.a #061.b	medallion 4sB	KN KN
	038-008 ><	#297.β1	4sP	CR
	038-010	#181	1fS ( <i>Petschaft</i> )	CR (?)
		#212.a, #214.a, #253.a <sup>o</sup> ({}  {}  ) <sup>33</sup> , #258.a,	3sP 3sP 3sP	CR CR CR

<sup>30</sup> CMS V Suppl. 1B, no. 329; Olivier 1999: 420.

<sup>31</sup> Here the ‘formula’ (036-092-031) is written with a reduplication of the second sign clearly intended for decorative reasons ({}{}), in order to better harmonise the graphic arrangement of the signs in the glyptic space (cf. *CHIC*: 13–15).

<sup>32</sup> Krzyszkowska 2012: 151–2, fig. 6 and n. 24; Del Freo 2017: 7, PE S (3/4) 01.β.

<sup>33</sup> Here the ‘formula’ (038-010) is preceded by the sign 012 ({}{}), included by *CHIC* (13–15) among the signs ‘dont nous ne pouvons pas expliquer mécaniquement la présence’.

Cretan Hieroglyphic Sequences of Two or More Signs

CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
𐀓𐀔	038-010-031	#260.β <sup>o</sup> (𐀓{O}𐀔) <sup>34</sup>	3sP	CR ?
		#228.b	3sP	<MA>
		#249.a	3sP	<SITIA>
		#265.a	3sP	KASTE LI
		#268.β <sup>o</sup> (𐀓{X}) <sup>35</sup>	3sP	LAKONIA
		#275.a (𐀓{{Ø}}) <sup>36</sup>	3sP	<MIRABELO>
		#286.a	4sP	MA
		#288.a <sup>37</sup>	4sP	MA/V
		#311.a	4sP	SITIA
		#195	1fS (half-ovoid)	CR (?)
		#162	impression (crescent) from 4sP	KN
		#169	impression (direct sealing) from 4sP	KN
		#218.γ, #261.β,	3sP	CR (?)
		#262.β <sup>38</sup> , #263.β	3sP	CR (?)
		#242.β,	3sP	CR
		#254.<a> <sup>*39</sup> ,	3sP	CR
		#257.a <sup>40</sup>	3sP	CR
		#248.a	3sP	PK
		#250.γ	3sP	ZA
		#269.a	3sP	LASITHI
		#272.a, #274.γ	3sP	MIRABELO
		#279.γ, #284.β,	4sP	CR (?)
		#299.δ, #300.b,	4sP	CR (?)
		#302.δ	4sP	CR (?)

<sup>34</sup> The ‘formula’ is again accompanied by the sign 073 (𐀓{O}𐀔), similarly interpreted by *CHIC* (13–15) as *Décoration éventuellement signifiante non évidente* like sign 012 in the preceding footnote.

<sup>35</sup> Here, sign 070 X is supposed to be used as an abbreviation referring to the sign group attested in γ (006-070 ><), so not intervening in the reading of the phonetic sequence 038-010 (a ‘formula’) on this seal face: 𐀓{X}.

<sup>36</sup> The ‘formula’ is accompanied by the sign Ø (𐀓{{Ø}}), comprised by *CHIC* (13–15) among the ‘représentations autres que de signes’.

















<sup>37</sup> The presence, with the ‘formula’, of sign 092 (𐀓{𐀔}𐀓: 038-010) is interpreted as an abbreviation possibly related to the sequence attested in γ (𐀓{𐀔}𐀓 ><: 036-092 ><).

<sup>38</sup> In the ‘formula’ 038-010-031, the second sign is reduplicated (𐀓{𐀔}𐀔) probably to achieve harmony.



<sup>39</sup> Restoration proposed by *CHIC*: on the seal, only signs 010-031 are visible.


<sup>40</sup> Here the inscription (038-010-031) is accompanied by two supplementary signs included in the category *Décoration éventuellement signifiante* in *CHIC*: the first is the snake {{}}, attested on this seal only, and second is the full-bodied cat {{}}, attested on #309.a as well with another ‘formula’ (044-005).

Appendix





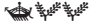
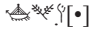













CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
		<b>#293.β</b>	<b>4sP</b>	ADROMILI
		<b>#298.γ</b>	<b>4sP</b>	CR
		<b>#309.γ</b>	<b>4sP</b>	PYR
		<b>#312.a</b>	<b>4sP</b>	XIDA
		<b>P.TSK05/259.γ<sup>41</sup></b>	<b>4sP</b>	PE
		<b>#314.ε</b>	<b>8sP</b>	NEAPOLIS
 <<	038-010-034 <<	<b>#239.a</b>	<b>3sP</b>	PRESOS
Possible alternative reading:				
 <<	038-036-034 <<			
Possible alternative reading:				
 <<	038-017-049-034	<b>#021.γ</b>	crescent	KN
Possible alternative reading:				
 <<	038-017-034-049			
 <<	038-031-010-061 <<	<b>#270.γ?</b>	<b>3sP</b>	LASITHI
 [	038-031-025-073 [	<b>#120.r.B</b>	tablet	MA/P
Possible alternative reading:				
	038-031-025			
	038-034-066	<b>#204.a</b>	<b>2fS</b>	MA/M
			(amygdaloid)	
 o	038-043-049 o	<b>#256.a-β-γ<sup>42</sup></b>	<b>3sP</b>	CR
	038-047-047	<b>#122.r.1</b>	tablet	PH
 <<	038-049-013-077 <<	<b>#164</b>	<b>impression</b>	KN
			(flat-based nodule) from	
			4sP	
	038-054-034	<b>#057.c</b>	4sB	KN
 <<	038-070-011 <<	<b>#183</b>	<b>1fS</b>	CR (?)
			( <i>Petschaft</i> )	
	038-071-066-070	<b>#059.aB</b>	4sB	KN
 <<	039-013 <<	<b>#304.a<sup>o</sup></b>	<b>4sP</b>	CR (?)
		<b>( &lt;&lt;)<sup>43</sup></b>		

<sup>41</sup> Krzyszkowska 2012: 151–2, fig. 6 and n. 24; Del Frio 2017: 7, PE S (3/4) 01.γ.

<sup>42</sup> The three signs (038-043-049) are incised on three different faces of the prism, each with a ‘supplementary’ sign: on face α, the wild boar  and on face β, the ibex , both inserted by CHIC in the category *Décoration éventuellement signifiante évidente* and attested on this prism only in association with Cretan Hieroglyphic signs. Face γ has a decoration, pertaining to the CHIC category *Décoration non signifiante évidente – explétive* (a variant of an S sign).

<sup>43</sup> The sequence is accompanied by the ‘cat mask’  <<, inserted by CHIC (13–15) among ‘*représentations autres que de signes*’.

Cretan Hieroglyphic Sequences of Two or More Signs

CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
 >< Possible alternative reading:  ><	039-056-014 >< 039-056-013 ><	<b>#306.γ</b>	<b>4sP</b>	MA
 ><  ><	039-070-068 039-070-086	PE Ha 003.β <sup>44</sup> PE Hh 016b (CBI) <sup>45</sup>	crescent 4sBar	PE PE
 ><	040-029-029 ><	<b>#124</b>	<b>impression</b> (crescent) from 1fS	KN
 [•]  ><  ><  ><  >< Possible alternative reading:  ><	040-029-078[•] 040-057 040-070-038 041-025-065 >< 041-025 041-031-011 >< 041-031-044 >< 041-059-025 >? 042-003[ 042-013-009[ 042-016-050 042-017 042-019	PE Hh 016c.2 <sup>46</sup> #118.b #097.γ <b>P.TSK13/1485.γ</b> <sup>47</sup> <b>#271.β</b> <b>#307.d?</b> #320 GO Yb 01 <sup>48</sup> #091.a #003.δ2 #039.b <b>#134</b>	4sBar 4sBar crescent <b>3sP</b> <b>3sP</b> <b>4sP</b> vase base potter's wheel 2sL crescent medallion <b>impression</b> (two-hole hanging nodule) from 2fS (cushion seal) <b>impressions</b> (roundels) from 2fS (cushion seals) <b>impression</b> ( <i>nodulus</i> ) from 2fS (cushion seal)	PE MA/P MA/P PE <b>MA</b> < <b>MA</b> > MA/M MA MA/M KN KN KN KN SAM SAM
 ><  ><  >?  [  [  ><  ><  ><	041-031-011 >< 041-031-044 >< 041-059-025 >? 042-003[ 042-013-009[ 042-016-050 042-017 042-019	<b>#135, #136</b> <b>#137</b>	<b>impression</b> (two-hole hanging nodule) from 2fS (cushion seal) <b>impressions</b> (roundels) from 2fS (cushion seals) <b>impression</b> ( <i>nodulus</i> ) from 2fS (cushion seal)	SAM SAM

<sup>44</sup> Tsipopoulou and Hallager 2010: 155. <sup>45</sup> Tsipopoulou and Hallager 2010: 161, 178–81.

<sup>46</sup> Ibid. <sup>47</sup> Krzyszkowska 2017: 149–50, fig. 5; Del Frio 2017: 8, PE S (1/3) 01 and n. 31.

<sup>48</sup> Del Frio 2017: 4.

Appendix

CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
𐤏𐤓	042-019	#137bis <sup>49</sup>	<b>impression</b> (nodulus) from 2fS (cushion seal)	SAM
𐤏𐤓•• Possible alternative reading: 𐤏𐤓𐤓	042-019-•••  042-019-019-095	#201	<b>1fS</b> (cylinder seal)	CR (?)
𐤏𐤓𐤓𐤓	042-019-019-095-052	#202.α-β #203.α-β #205.α1-2  KN S (4/4) 01 <sup>50</sup>  #251.β-α, #252.β-α #292.α-γ  #313.α-β #315.I-H	<b>2fS</b> (discoïd) <b>2fS</b> (discoïd) <b>2fS</b> (cushion seal) <b>4fS</b> (irregular cushion) <b>3sP</b> (gable- shaped prisms) <b>4sP</b> (stepped prism) <b>4fS</b> (cube) <b>6fS</b> (4-sided bar)	ARKH KN CR  KN ARKH GOUVES MONI OD. ARKH
𐤏𐤓𐤓[	042-019-019-095[	#179.I-2	<b>impression</b> (flat-based nodule) from ?fS	KN
𐤏𐤓𐤓	042-019-031	#301.δ	<b>4sP</b>	CR (?)
𐤏𐤓𐤓𐤓 << Possible alternative reading: 𐤏𐤓𐤓𐤓 <<	042-019-070-009 <<  042-019-009-070 <<	#222.b	<b>3sP</b>	<CR (?)>
𐤏𐤓𐤓 << Possible alternative reading: 𐤏𐤓• <<	042-020 <<  042-• <<	#143	<b>impression</b> (crescent) from 3sP	KN
𐤏𐤓𐤓𐤓	042-023-011	PE Ha 003.γ (Cr1) <sup>51</sup>	crescent	PE
𐤏𐤓𐤓𐤓	042-023-041	PE Hh 016a (CB1) <sup>52</sup>	4sB	PE





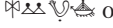




















<sup>49</sup> Olivier 2010: 290, n. 13; Del Frio 2008: 201.

<sup>51</sup> Tsiopoulou and Hallager 2010: 155, 178–81.

<sup>50</sup> Kanta, Palaima and Perna 2023.

<sup>52</sup> Ibid.: 161, 178–81.

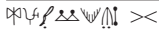



















Cretan Hieroglyphic Sequences of Two or More Signs


CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
	042-023-049	PE He 006.a (Mei) <sup>53</sup>	medallion	PE
	042-028-005 ><	<b>#280.a</b>	<b>4sP</b>	MA
	042-029-032-01 I	#057.a	4sB	KN
	042-033-01 I	PE He 001 <sup>54</sup>	medallion	PE
	042-034-007-040 0	#070	cone	MA/M
	042-034-049	#062.a	4sB	KN
	042-038 ><	<b>#154</b>	<b>impression</b> (flat-based <i>nodulus</i> ) from 3/4sP	MA/P
	042-038	<b>#276.a</b>	<b>3sP</b>	PINAKIANO
	042-038	<b>#310.δ</b>	<b>4sP</b>	SITIA
	042-038	<b>VRYS (4/4)</b>	<b>4sP</b>	VRYS
Possible alternative reading: 	042-•	<b>01.δ</b> <sup>55</sup>		
	042-040-049 0	<b>#129</b>	<b>impression</b> ( <i>nodulus</i> ) from 1fS	MA/M
	042-040-053-041	<b>#309.β</b>	<b>4sP</b>	PYR
	042-041-01 I	#027.β	crescent	KN
	042-041-049 >?	#101.a	medallion	MA/P
	042-045-029	#023.γ	crescent	KN
	042-049-016-016[	#113.cA	4sB	MA/P
	042-052-034-045 0	<b>#125</b>	<b>impression</b> (direct sealing) from 1fS	KN
	042-053 ><	<b>#151?</b>	<b>impression</b> (direct sealing) from 3sP	PH
	042-054-061	#037.a	medallion	KN
	042-054-061	#050.a, #058.a	4sB	KN
	042-054-061	<b>#293.γ</b>	<b>4sP</b>	ADROMILI
	042-054-061	<b>#303.β</b>	<b>4sP</b>	CR (?)
	042-056-031	#061.a	4sB	KN
	042-056-035	#119.l.i.	tablet	MA/P


<sup>53</sup> Ibid.: 158, 178–81. <sup>54</sup> Ibid.: 178–81.


<sup>55</sup> Hallager, Papadopoulou and Tzachili 2011: 65–70, figs. 4–5; Del Freo 2017: 8–9.

Appendix

CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
 ><	042-057-010-034-028-093-065 ><	#317	pithos	MA/M
Possible alternative readings:				
 >< or	042-057-010-034-028-031-065 ><			
 >< or	042-057-010-034-028-049-065 ><			
 ><	042-057-088-034-028-093-065 ><			
	042-057-038	#056.dA	4sB	KN
	042-057-070	#056.b	4sB	KN
 ><	042-066-016-062 ><	#305.α	4sP	LASTROS
	042-066-077-042	#095.a	4sB	MA/M
 ><	042-070-038 ><	#163	impression (crescent) from 4sP	KN
 ><	042-070-060-044 ><	#074.a	medallion	MA/M
 ><	042-070[ ><	#168	impression (crescent) from 4sP	KN
	042-091	#331	Chamaizi vase	<PRODR.>
 >?	043-009 >?	#265.β	3sP	KASTELLI
	043-070	#039.a, #042.a	medallions	KN
	044-005	#018.γ	crescent	KN
	044-005	#059.aA	4sB	KN
	044-005	#138° (  {{F}}) <sup>56</sup>	impression (flat-based nodule) from 2fS	ZA
		#140° (  {{F}}) <sup>57</sup> , #144, #145° (  {{F}}) <sup>58</sup> , #147°	impressions (crescent) from 3sP	KN

<sup>56</sup> After the ‘formula’ a triton shell ({{F}}) is inserted, included by CHIC (13–15) as ‘Décoration éventuellement signifiante non évidente’ (‘représentations autres que de signes’).

<sup>57</sup> The ‘formula’ is accompanied by sign 013 in medial position ({{F}}), included in the CHIC category ‘Décoration éventuellement signifiante non évidente’ (signs ‘dont nous ne pouvons pas expliquer mécaniquement la présence’).

<sup>58</sup> Again, the ‘formula’ is accompanied by the logogram \*153 ({{F}}), interpreted by CHIC as belonging to the ‘Décoration éventuellement signifiante non évidente’ category just like the sign in the preceding footnote.



Cretan Hieroglyphic Sequences of Two or More Signs

CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
		({𐀓}𐀓) <sup>59</sup> , #158°		
		(𐀓{𐀓}) <sup>60</sup> , #165		
		#174° (𐀓{𐀓}) <sup>61</sup>	impression	PK
			(spindle whorl) from	
			4sP	
		#194	1fS (half-ovoid)	CR
		#246.a	3sP	KRITSA
		#247.γ°	3sP	MA
		({{𐀓}}x𐀓) <sup>62</sup>		
		#250.a	3sP	ZA
		#253.γ, #254.β,	3sP	CR
		#283.a1	3sP	CR
		#259.β-γ, #261.a,	3sP	CR (?)
		#262.γ°	3sP	CR (?)
		({𐀓}𐀓) <sup>63</sup> ,		
		#263.γ, #287.δ	3sP	CR (?)
		#264.γ°	3sP	IRAKLIO
		({𐀓}𐀓) <sup>64</sup>		
		#266.a	3sP	<KORDIKAKIA>
		#268.a°	3sP	LAKONIA
		({X}𐀓) <sup>65</sup>		
		#274.β	3sP	MIRABELO
		#276.γ1 <sup>*66</sup>	3sP	PINAKIANO
		#277.a	3sP	ZIROS
		#288.β°	3sP	MA/V
		({𐀓}𐀓) <sup>67</sup>		

<sup>59</sup> The ‘formula’ is preceded by sign 042 (𐀓𐀓), attributed by *CHIC* to the same category as well.

<sup>60</sup> The ‘formula’ is accompanied by sign 065 in medial position (𐀓{𐀓}), again interpreted as ‘*Décoration éventuellement signifiante non évidente*’.

<sup>61</sup> In this case as well, the ‘formula’ is accompanied by sign 065 in middle position (𐀓{𐀓}), included by *CHIC* in the same category.

<sup>62</sup> The ‘formula’ is accompanied by the ‘cat mask’ after an ‘x’ ({{𐀓}}x𐀓), interpreted by *CHIC* (13–15) as ‘*représentations autres que de signes*’.

<sup>63</sup> Here the ‘formula’ is preceded by sign 020 (𐀓𐀓), interpreted by *CHIC* (13–15) as a sign ‘*dont nous ne pouvons pas expliquer mécaniquement la présence*’.












<sup>64</sup> Sign 013 (𐀓) is interpreted as being an abbreviation (Olivier 1995: 178–80): {𐀓}𐀓.

<sup>65</sup> In this case as well, sign 070 (X) is interpreted as being an abbreviation referring to the sign group attested in γ (006-070 >>): β 𐀓 {X}.


<sup>66</sup> On the seal the signs 005-044-049 are incised, to be read, according to *CHIC*, as 044-005 and 044-049.

<sup>67</sup> Again, sign 092 here in #288.β (𐀓𐀓: 044-005) is included in *CHIC* as ‘*Décoration éventuellement signifiante non évidente*’, interpreted as an abbreviation possibly related to the phonetic sequence attested in γ (𐀓𐀓 >>: 036-092 >>).

Appendix

CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
		#295.δ (  $\{\{\text{☞}\}\}$ ) <sup>68</sup> ,	4sP	CR
		#297.δ2° (  $\{\{\text{λ}\}\}$ ) <sup>69</sup> ,	4sP	CR
		#298.δI	4sP	CR
		#299.β, #30I.β	4sP	CR (?)
		#305.γ	4sP	LASTROS
		#308.δ	4sP	PK
		#309.α <sup>70</sup>	4sP	PYR
		#3II.γ	4sP	SITIA
		#3I4.<θ2>	8SP	NEAPOLIS
	044-005	VRY S (4/4) 0I.α <sup>71</sup>	4sP	VRY
Possible alternative readings:				
	044-073			
	044-*			
 <>	044-0I3-070 <>	#184	1fS ( <i>Petschaft</i> )	CR (?)
 <>	044-025-049 <>	#266.b	3sP	<KORDAKIA>
	044-036-018	#255.α	4sP	CR
		#300.c	4sP	CR (?)
		P.TSKI2/I249.α <sup>72</sup>	3sP	PE
	044-036-018	P.TSKI4/2604.β <sup>73</sup>	3sP	PE
 [	044-040[	#110.a	2sL	MA/P
	044-049	#040.bI, #042.bI	medallion	KN
		#049.a, #049.b,	4sB	KN
		#050.c, #056.aA,	4sB	KN
		#056.<aB>*,	4sB	KN
		#056.b-e,	4sB	KN
		#056.dB, #059.dA	4sB	KN

<sup>68</sup> The ‘formula’ is accompanied by the ‘cat mask’ ( $\{\{\text{☞}\}\}$ ), interpreted by *CHIC* (13–15) among the ‘*représentations autres que de signes*’.

<sup>69</sup> The ‘formula’ is accompanied by sign 061 ( $\{\{\text{λ}\}\}$ ), interpreted by *CHIC* in the category ‘*Décoration éventuellement signifiante non évidente*’ (signs ‘*dont nous ne pouvons pas expliquer mécaniquement la présence*’).

<sup>70</sup> The ‘formula’ 044-005 is accompanied by a supplementary sign interpreted by *CHIC* as ‘*Décoration éventuellement signifiante évidente*’, namely the full-bodied cat ( $\{\{\text{♁}\}\}$ ), attested on #257.α as well with another ‘formula’ (038-010-031).

<sup>71</sup> Hallager, Papadopoulou and Tzachili 2011: 65–70, figs. 4–5; Del Frio 2017: 8–9.

<sup>72</sup> Krzyszkowska 2017: 151, fig. 6; Del Frio 2017: 8, PE S (2/3) 01.

<sup>73</sup> Krzyszkowska 2017: 149–50; Del Frio 2017: 8, PE S (1/3) 02.

Cretan Hieroglyphic Sequences of Two or More Signs











CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
↓↑	044-049	<b>#150</b>	<b>impression</b> (amphora handle) from 3sP	MA/M
		<b>#157°</b> ({{☞}})↓↑ <sup>74</sup>	<b>impression</b> (direct sealing) from 4sP	KN
		<b>#159, #161</b>	<b>impressions</b> (crescents) from 4sP	KN
		<b>#170</b>	<b>impression</b> (direct sealing) from 3sP	KN
		<b>#180</b>	<b>1fS</b> ( <i>Petschaft</i> )	CR
		<b>#207.β</b>	<b>2fS</b> (wedge-shape seal)	MA/N
		<b>#208.a</b>	<b>3sP</b>	AVDOU
		<b>#209.a, #210.a,</b>	<b>3sP</b>	CR
		<b>#211.a, #213.a,</b>	<b>3sP</b>	CR
		<b>#253.β, #258.γ</b>	<b>3sP</b>	CR
		<b>#215.a, #216.a,</b>	<b>3sP</b>	CR (?)
		<b>#217.β, #219.β,</b>	<b>3sP</b>	CR (?)
		<b>#220.a, #221.β,</b>	<b>3sP</b>	CR (?)
		<b>#223.γ, #244.a,</b>	<b>3sP</b>	CR (?)
		<b>#259.β-α?,</b>	<b>3sP</b>	CR (?)
		<b>#260.a, #261.γ</b>	<b>3sP</b>	CR (?)
		<b>#226.a, #270.β?</b>	<b>3sP</b>	LASITHI
		<b>#227.a</b>	<b>3sP</b>	LITHINES
		<b>#231.a, #233.a,</b>	<b>3sP</b>	MA/M
		<b>#235.a</b>	<b>3sP</b>	MA/M
		<b>#237.a, #274.a°</b> ({☞})↓↑ <sup>75</sup>	<b>3sP</b>	MIRABELO
		<b>#230.a°</b> ({O})↓↑ <sup>76</sup> ,	<b>3sP</b>	MA
		<b>#247.β</b>	<b>3sP</b>	MA




<sup>74</sup> The ‘formula’ is accompanied by the so-called ‘cat mask’ ({{☞}})↓↑; see *supra*.








<sup>75</sup> The ‘formula’ is accompanied by the logogram \*156 ({{☞}})↓↑, interpreted by *CHIC* (13–15) as the category ‘*Décoration éventuellement signifiante non évidente*’ (signs ‘*dont nous ne pouvons pas expliquer mécaniquement la présence*’).

<sup>76</sup> The ‘formula’ is accompanied by sign 073 (O)↓↑, interpreted by *CHIC* as ‘*Décoration éventuellement signifiante non évidente*’ (signs ‘*dont nous ne pouvons pas expliquer mécaniquement la présence*’).

Appendix




CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
		#240.a <sup>o</sup> ({  }{  }) <sup>77</sup> , #249.b	3sP	SITIA SITIA
		#264.β <sup>o78</sup>	3sP	IRAKLIO
		#266.c	3sP	<KORDAKIA>
		#276.γ2 <sup>*79</sup>	3sP	PINAKIANO
		#277.γ	3sP	ZIROS
		MA/V S (1/3) 02 <sup>80</sup>		MA/V
		#283.a2, #295.a,	4sP	CR
		#296.γ, #297.δ1,	4sP	CR
		#298.δ2	4sP	CR
		#278.γ <sup>o</sup> (  {  }{  }) <sup>81</sup> ,	4sP	CR (?)
		#284.a, #287.a,	4sP	CR (?)
		#299.a, #300.a,	4sP	CR (?)
		#301.a, #302.a <sup>*82</sup> ,	4sP	CR (?)
		#303.δ	4sP	CR (?)
		#290.β, #311.δ	4sP	SITIA
		#293.δ	4sP	ADROMILI
		#305.β	4sP	LASTROS
		#308.γ <sup>o</sup> (  {  }{7}) <sup>83</sup>	4sP	PK
		VRY S (4/4) 01.β <sup>84</sup>	4sP	VRY
		#314.β, #314.η1	8sP	NEAPOLIS
 ↑[	044-049[	#059.cB, #063.a2	4sB	KN
 ↑[	044-049[	#188	1fS ( <i>Petschaft</i> )	MA/M
 ↑↑ <sup>o</sup>	044-049-023	#089.a	2sL	MA/M

<sup>77</sup> Sign 001 (), attested as a syllabogram on clay documents but two times only on seals (in this case, with the ‘formula’ 044-049: {}{}) is interpreted by *CHIC* (13–15) as ‘*Décoration éventuellement signifiante non évidente*’ (signs ‘*dont nous ne pouvons pas expliquer mécaniquement la présence*’).




<sup>78</sup> The ‘formula’ is written with a reduplication of the second sign intended for decorative reasons ({}{}{}). Moreover, sign 013 () is possibly used as an abbreviation, according to the ‘badge acronymique’ scheme postulated by Olivier (1995: 178–80): {}{}{}.

<sup>79</sup> The seal bears the signs 005-044-049, to be read, according to *CHIC*, as 044-005 and 044-049.

<sup>80</sup> Del Frio 2012: 6.

<sup>81</sup> Again, the ‘formula’ is accompanied by the sign 065 ({}{}), interpreted by *CHIC* as the ‘*Décoration éventuellement signifiante non évidente*’ category (signs ‘*dont nous ne pouvons pas expliquer mécaniquement la présence*’).

<sup>82</sup> The seals bear the signs 057-034-044-049, to be read (according to *CHIC*) as 057-034 and 044-049.

<sup>83</sup> Sign 031 ({}{}) is interpreted by *CHIC* as the ‘*Décoration éventuellement signifiante non évidente*’ category (syllabograms and logograms ‘*dont nous ne pouvons pas expliquer mécaniquement la présence*’).

<sup>84</sup> Hallager, Papadopoulou and Tzachili 2011: 65–70, figs. 4–5; Del Frio 2017: 8–9.

Cretan Hieroglyphic Sequences of Two or More Signs

CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
𐀀𐀁	046-044	#255.γ, #257.γ	3sP	CR
		#269.γ	3sP	LASITHI
		#275.b	3sP	<MIRABELO>
		#302.β	4sP	CR (?)
		#310.γ	4sP	SITIA
		(𐀀{{𐀁}}) <sup>85</sup>		
		#314.δ°	8sP	NEAPOLIS
𐀀𐀁	046-063	#049.a	4sB	KN
	047-002-061	#113.a	4sB	MA/P
Possible alternative reading: 𐀀𐀁	073-002-061			
𐀀𐀁𐀂 >>	047-049-013 >>	#312.γ	4sP	XIDA
𐀀𐀁	047-053	#065.a	4sB	KN
𐀀𐀂 >>	047-070 >>	#286.β	4sP	MA
𐀀𐀂𐀃	047-070-031	#058.b	4sB	KN
𐀀𐀂 >>	049-016 >>	P.TSKo6/145 <sup>87</sup>	1fS	PE
			(Petschaft)	
𐀀𐀂𐀃 >>	049-019-023 >>	#046.a	medallion	KN
𐀀𐀂𐀄	049-021-061	#050.d	4sB	KN
𐀀𐀂[	049-038[	#113.a	4sB	MA/P
𐀀𐀂𐀄𐀅	049-041-006-025	#316	Chamaizi vase	MA/M
𐀀𐀂𐀄𐀅	049-041-006-057	#327	Chamaizi vase	MA/P
𐀀𐀂	049-042	#329	Chamaizi vase base	MA/V
𐀀𐀂[	049-049[	#269.β	3sP	LASITHI
𐀀𐀂[𐀃]	049-049[[028]] [	#011.γ	crescent	KN
𐀀𐀂𐀃[•] >>	049-052-044-[•] >>	PE I o1 <sup>88</sup>	impression	PE
			(direct sealing)	
			from 3sP?	
𐀀𐀂[•] >>	049-056-• >>	#016.γ	crescent	KN

<sup>85</sup> The ‘formula’ is accompanied by a supplementary sign interpreted by CHIC as ‘Décoration non signifiante évidente – explétive’ –, namely the spider {{𐀁}}.

<sup>86</sup> The sequence is accompanied by the bird (𐀀{{𐀁}}𐀁), interpreted by CHIC as the category ‘Décoration éventuellement signifiante non évidente’ (‘représentations autres que de signes’).




<sup>87</sup> Krzyszkowska 2012: 148–50, fig. 4. <sup>88</sup> Tsipopoulou and Hallager 2010: 166–7 (PE 028), 178–81.

Appendix

CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
↑XX >>	049-070-070 >>	#167	<b>impression</b> (direct sealing) from 4sP	KN
↑△ >>	049-072 >>	<b>VRY S (4/4) 01.γ</b> <sup>89</sup>	<b>4sP</b>	VRY
↑N	050-007-018	#314.γ	<b>8sP</b>	NEAPOLIS
↑V	050-011	#267.γ	<b>3sP</b>	KY
↑S	050-016	#032.a	medallion	KN
↑Y >>	050-019 >>	#297.a	<b>4sP</b>	CR
↑Y M	050-031-034	#314.a	<b>8sP</b>	NEAPOLIS
↑V	050-057-056	#119.r., #120.v.B	tablets	MA/P
↑. . . V	050-070-.-.-019	#113.b1	4sB	MA/P
Possible alternative reading: ↑. . . V	050-070-023-013-019			
↑. . . V	050-070-013-063-038	#112.c	4sB	MA/P
↑Y	051-031-005	#290.γ	<b>3sP</b>	SITIA
↑M	051-051-051-041	#089.b	2sL	MA/M
↑. . . V >>	051-092-092 >>	#318	plate	MA/M
Possible alternative reading: ↑. . . V >>	037-092-092 >>			
↑V	052-050-054 >>	#306.a	<b>4sP</b>	MA
↑V o	052-054-038 o	#130	<b>impression</b> ( <i>nodulus</i> ) from 1fS	MA/M
↑V M	052-056-049-034	#031.a	medallion	KN
↑V	053-008 >>	#187	<b>1fS</b> (figural seal, jug)	MA
↑V M	053-034-031-070	#001.γ	crescent	KN
↑M >>	053-038-039 >>	#296.β	<b>4sP</b>	CR (S)
↑V	053-053-077	#047.a	medallion	KN
↑V M >>	054-005-050 >>	#273.a	<b>3sP</b>	MIRABELO
↑V >>	054-010 >>	#155	<b>impression</b> (one-hole hanging nodule) from 4sP	HT
↑V	054-010-054	#267.a	<b>3sP</b>	KY

<sup>89</sup> Hallager, Papadopoulou and Tzachili 2011: 65–70, figs. 4–5; Del Frio 2017: 8–9.

Cretan Hieroglyphic Sequences of Two or More Signs

CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
 ><	054-044 ><	<b>#152</b>	<b>impression</b> (flat-based nodule) from 3sP	ZA
	054-061-013/	#034.a	medallion	KN
	055-070-049/	#022.γ	crescent	KN
	056-005	PE Hh 016a <sup>90</sup>	4sB	PE
	056-013-058	<b>#283.β</b>	<b>4sP</b>	CR
	056-023	#039.a	medallion	KN
 0	056-025-029-011 0	<b>#182</b>	<b>1fS</b> ( <i>Petschaft</i> )	CR (?)
	056-031	PE He 007a	medallion	PE
	056-047-031	#032.a	medallion	KN
	056-047-031	<b>#166</b>	<b>impression</b> (crescent) from 4sP	KN
	056-050	<b>#180</b>	<b>1fS</b> ( <i>Petschaft</i> )	CR
 ><	056-059 ><	<b>#242.a</b>	<b>3sP</b>	CR
	056-070	#118.a	4sB	MA/P
	056-070-040	<b>#298.a</b>	<b>4sP</b>	CR
	056-070-070	#061.e	4sB	KN
	057-013-049	#038.b	medallion	KN
	057-016	#054.a	4sB	KN
	057-018-050 ><	#003.δ1	crescent	KN
 ><	057-018-050 ><	<b>#306.δ</b>	<b>4sP</b>	MA
	057-023	#049.b	4sB	KN
 ><	057-023 ><	<b>#243.γ</b>	<b>3sP</b>	CR
	057-023-042-063-060	#113.d	4sB	MA/P
	057-023-051	#039.b	medallion	KN
	057-023-070-018	#324	Chamaizi vase	MA/N
	057-025-034/	#027.δ	crescent	KN
	057-034-044-049 ><	<b>#302.a</b>	<b>4sP</b>	CR (?)
Possible alternative reading:  plus 	057-034 + 044-049 ><			
	057-034-056	<b>#173</b>	<b>impression</b> (direct sealing) from 4sP	MA/M

<sup>90</sup> Tsipopoulou and Hallager 2010: 161, 178–81.

Appendix

CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
		<b>#238.a</b>	<b>3sP</b>	MOHLOS
		<b>#244.β, #260.γ</b>	<b>3sP</b>	CR (?)
		<b>#248.β</b>	<b>3sP</b>	PK
		<b>P.TSK05/259.δ<sup>91</sup></b>	<b>3sP</b>	PE
		<b>#281.β</b>	<b>4sP</b>	MA
		<b>#295.γ, #296.δ,</b>	<b>4sP</b>	CR
		<b>#310.a</b>	<b>4sP</b>	SITIA
∩⊙λ	057-047-061	#032.b	medallion	KN
∩λ	057-069	#050.b	4sB	KN
∩λ⊕	057-069-070	#038.b	medallion	KN
∩⊕λ⊕⊕	057-070-061-005-019	#112.a	4sB	MA/P
∩⊕λ	057-092-061	#052.b	4sB	KN
⊕⊕	058-002	#053.e	4sB	KN
∩∩∩	059-054-031	#017.γ	crescent	KN
∩∩∩∩⊕⊕⊕-	059-057-014-041-019-047-070-	<b>#294.β(1)</b>	<b>4sP</b>	CR
∩⊕	060-013	#059.bA	4sB	KN
∩∩∩ >>	060-044-056 >>	<b>#271.γ</b>	<b>3sP</b>	<b>MA</b>
∩⊕⊕	060-070-•	#029.γ	crescent	KN
∩⊕[•]	061-013-[•] <sup>92</sup>	PE He o11a	medallion	PE
∩∩∩	061-062-042	#095.b	4sB	MA/M
∩⊕∩∩	062-013-057-041	PE Hh o16a <sup>93</sup>	4sB	PE
∩∩∩∩	062-020-028	<b>#303.a</b>	<b>4sP</b>	CR (?)
∩∩∩∩∩-	062-034-002-056-070-	#328(1)	libation table	MA
∩∩ >>	062-040 >>	<b>#127</b>	<b>impression</b> ( <i>nodulus</i> ) from 1fS	MA/M
		<b>#171</b>	<b>impression</b> ( <i>nodulus</i> ) from 4sP	MA/M
∩∩ >>	063-031 >>	<b>#141<sup>o</sup></b> (∩∩{{∩}}) <sup>94</sup>	<b>impression</b> (crescent) from 3sP	KN
∩⊕∩∩	063-047-061-031	#052.a	4sB	KN
∩∩∩[	064-096-•[	#087.a	2sL	MA/M
∩∩∩∩ >>	068-009-011 >>	<b>#225.a?</b>	<b>3sP</b>	CR (?)
∩∩∩∩∩-	068-009-056-050-070	#119.v	tablet	MA/P

<sup>91</sup> Krzyszkowska 2012: 151–2, fig. 6 and n. 24; Del Freo 2017: 7, PE S (3/4) o1.δ.































<sup>92</sup> Tsipopoulou and Hallager 1996a: 39–42, fig. 2; Tsipopoulou and Hallager 2010: 158, 178–81.

<sup>93</sup> Ibid.: 161, 178–81.




<sup>94</sup> The sequence is accompanied by the sign ∩∩{{∩}}, interpreted by CHIC as the category ‘*Décoration éventuellement signifiante non évidente*’ (‘*représentations autres que de signes*’).



Cretan Hieroglyphic Sequences of Two or More Signs



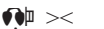



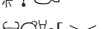
















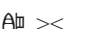
CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
 >>	068-010-011-020 >>	#272.γ	3sP	MIRABELO
	068-016[	#086.a	2sL	MA/M
	068-031	#040.b2	medallion	KN
 >?	068-046-019 >?	#030.a	medallion	KN
	068-061	#085.a	2sL	MA/M
 >>	068-077-015 >>	#079.a	medallion	MA/M
	069-047-041-•	#041.a	medallion	KN
 >>	070-005-050 >>	#273.γ	3sP	MIRABELO
 >>	070-019 >>	#133bis <sup>95</sup>	impression (vase handle) from ?sP	PYR
	070-019-009	#061.c	4sB	KN
 >?	070-028-031 >?	#307.b?	4sP	<MA>
 o	070-028-041 o	#133° (  +{{  }}) <sup>96</sup>	impression (vase handle) from IfS	PYR
	070-031-019	#054.e, #056.aA	4sB	KN
	070-031-034[	#091.b	2sL	MA/M
 >>	070-031-056 >>	#307.c?	4sP	<MA>
 >>	070-038 >>	#270.a?	3sP	LASITHI
	070-047-047	#043.b1	medallion	KN
 >>	070-056-057-011 >>	#185	IfS ( <i>Petschaft</i> )	<CR (?)>
	070-061-019-045-070	#298.β	4sP	CR
 >>	070-061-069 >>	#287.β	3sP	CR (?)
 >>	070-073 >>	#198	IfS (half- ovoid)	MIRABELO
 [•]	072-025[•]	He 012a <sup>97</sup>	medallion	PE
	072-039	#040.a	medallion	KN
	072-049	#034.b	medallion	KN
	072-049-071-050- 005-063	#059.dA, #065.d #065.a	4sB 4sB	KN KN
	073-049-013	#119.r., #120.r.A	tablets	MA/P
	073-090	#113.b2	4sB	MA/P
	076-013	#312.δ	4sP	XIDA
 >>	076-013-031 >>	#304.δ	4sP	CR (?)

<sup>95</sup> CMS II.6, no. 230; Del Frio 2008: 200.

<sup>96</sup> The sequence is accompanied by the sign  (+{{}}), interpreted by CHIC as the category ‘*Décoration éventuellement signifiante non évidente*’ (‘*représentations autres que de signes*’).

<sup>97</sup> Tsipopoulou and Hallager 2010: 161, 178–81.

Appendix

CH phonetic sequence	Transnumeration	Document number	Document format	Find spot
 >>	077-016-033 >>	#290.δ	3sP	SITIA
 >>	077-016-033-049 >>	P.TSK06/145 <sup>98</sup>	1fS ( <i>Petschaft</i> )	PE
 >>	077-038 >>	#293.α	4sP	ADROMILI
 >>	077-051 >>	P.TSK12/1249.β <sup>99</sup>	3sP	PE
	078-032-034	#058.b	4sB	KN
	078-032-070-023-045	#058.d	4sB	KN
	079-032-013	#057.b	4sB	KN
 >>	083-047-019-•[ >>	#078.a	medallion	MA/M
Possible alternative readings:				
 >>	011-047-019-•[ >>			
 >>	082-047-019-•[ >>			
 >>	083-005-019-•[ >>			
	085-011-•-001	#041.b	medallion	KN
	088-003	#049.d	4sB	KN
	089-044	#047.b	medallion	KN
 >>	092-019-013 >>	#277.β	3sP	ZIROS
	092-019-044-050-019-028-056	#294.β (2)	4sP	CR
	092-031	#065.b, #067.c	4sB	KN
	092-036[	#059.dA	4sB	KN
 >>	092-057(•?)034(•?) 016-056 >>	#294.δ?	4sP	CR
 >>	092-058 >>	#123	impression (crescent) from 1fS	KN
	092-067-032	#027.γ	crescent	KN
	092-073[	#207.α	2fS (wedge-shape seal)	MA/N
	094-036-•	#241.α?	3sP	SITIA
 >>	094-038 >>	#251.γ?	3sP (gable-shaped prism)	ARKH

<sup>98</sup> Krzyszkowska 2012: 148–50, fig. 4; Del Frio 2017: 7, PE S (1/1) 01.

<sup>99</sup> Krzyszkowska 2017: 151, fig. 6; Del Frio 2017: 8, PE S (2/3) 01.