

A COMPLETE COLLATION AND ANALYSIS OF  
ALL GREEK MANUSCRIPTS OF JOHN 18

by

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## **Abstract**

A complete collation of 1619 Greek minuscule manuscripts of John 18 now supplements the previously completed papyri and majuscule manuscript data for the International Greek New Testament Project (IGNTP). The full data were evaluated towards selecting minuscules to represent the manuscript tradition for the forthcoming *Editio Critica Maior* critical text and apparatus. Collaboration between the IGNTP and the Institut für neutestamentliche Textforschung (INTF) also allowed a comparison with data collected by the INTF. The same manuscripts were used by both, but the nature of the data was different, with the IGNTP's total variation in John 18 and the INTF's sampled variation in John 1-10.

The results easily confirm prior known groups of manuscripts, and suggest samples to represent other groups. The total variation of John 18 initially suggested a much higher uniformity of manuscripts than the sampled variation. Deeper examination revealed consistency between both sets of data: the large majority of manuscripts do have a uniform text, and it is easy to represent them with a small selection of both readings and manuscripts, while the minority of more divergent manuscripts are evident from either well-sampled or total variation, and are worth further attention.

## **Acknowledgements**

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Next are those without whom this work simply could not have been done. Dozens of volunteers contributed to collecting the data of John 18, some unknown to me, many who also became friends, and a few who made this a selfless part of their avocation, particularly John Gram. The data would not have been completed without the Principio team: David Parker, Ulrich Schmid, Bill Elliott, and Rachel Kevern, who became not only colleagues, but great friends. David, Ulrich, and Klaus Wachtel pored through the apparatus with me, advising and catching many of my mistakes. The calculations could not have been done without the guidance of Klaus, another great friend, who always had an open door.

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# **Chapter 1**

## **Introduction**

This thesis arose from a unique opportunity to combine the two contemporary efforts to create a comprehensive critical apparatus for the Greek New Testament. The International Greek New Testament Project (IGNTP) had published a critical apparatus for the Gospel of Luke and had moved on to the Gospel of John. The Institut für neutestamentliche Textforschung (INTF) had begun publishing the Editio Critica Maior (ECM), a critical text and apparatus for the Catholic Letters, with long term plans for the rest of the New Testament. After working separately for several decades, initial discussions towards collaboration were held in November 1997 when Barbara Aland and Klaus Wachtel of the INTF attended the annual meeting of the North American Committee of the IGNTTP, also attended by David Parker of the IGNTTP British Committee. Further discussions were held at the Second Birmingham Colloquium on the Textual Criticism of the New Testament in April 1999, attended by several IGNTTP and INTF members. A particularly fruitful challenge by Barbara Aland to the IGNTTP was accepted by David Parker, leading to the initiation of The Principio Project on the Gospel of John at the University of Birmingham in September 2000. At that point, I had been working for a decade on the minuscule manuscripts for IGNTTP John, and was graciously invited to join the Principio Project team.

The collaboration between the IGNTP and INTF continued with an October 2000 agreement in principle to utilize both INTF and IGNTP resources for the Gospel of John volume. For the next 5 years, each group continued working on its own John data (that would eventually be published separately in the Text und Textwert series) while sharing resources and technical expertise, and building joint methods for future work. In 2005 a formal agreement was reached that the IGNTP Gospel of John volume would also be the ECM volume, utilizing principles, methods, and the design established by the INTF, yet applied and continuously developed jointly. From 2005 to 2007, several INTF members were added to the IGNTP Committee. The ongoing and future collaboration between the INTF and IGNTP was sealed in 2006 when the INTF communicated that its timeline to complete the ECM could not be achieved without further collaboration, and there was a firm statement by the IGNTP to extend participation in the ECM past the Gospel of John, continuing with the Pauline corpus.

A critical text and apparatus for a New Testament book requires attention to far more than the Greek manuscripts of the book. Crucial evidence exists in the early and extensive translations of the book, and of its quotations in other writings. The IGNTP has sub-teams in place to prepare the evidence from the most important early translations, those

into Latin, Syriac, Coptic, and Gothic. A comprehensive collection has been gathered of the citations of John in other writings during the first five centuries of its existence. My own work, though, and this thesis, is focused on the Greek manuscript evidence, and specifically on the minuscule manuscripts. It was always the intent for the apparatus to include the evidence of almost all the early but less numerous manuscripts, those categorized as papyrus or majuscule manuscripts, dated to the first nine centuries of the history of the Gospel of John. The later minuscule manuscripts, dating from the ninth century through the initial use of printed texts, while not inherently less important, are too numerous to include in total, thus must be represented with a selection.

The minuscules have always been treated with considerable value by both the IGNTP and the INTF. In the 1948 conference of American scholars at the University of Chicago that is often considered the kickoff of the North American IGNTP effort, Kenneth Clark positioned the minuscule evidence in the overall picture: "While the earlier witnesses are all too rare for our purposes," Clark said, "the later ones are a multitude. While most of the earlier manuscripts have been studied, the mass of later ones has been largely neglected. Whereas we devoutly wish for more discoveries within the earlier period, we are buried under the weight of our resources in the later. At the present time our primary need is not more cursive

manuscripts, but more knowledge of those we have.”<sup>1</sup> In fact, as will be discussed in detail in chapter two, a substantial portion of the preparation time for the critical apparatus of both the IGNTP and INTF involved the evaluation of the minuscule manuscripts.

The minuscule evidence available to us in the critical apparatus of contemporary editions of John is sparse. The Nestle-Aland Novum Testamentum Graece, 27<sup>th</sup> revised edition, in John consistently cites the majority text, with a special siglum, and cites Family 1 (1, 118, 131, 209, 1582, et al.), Family 13 (13, 69, 124, 174, 230, 346, 543, 788, 826, 828, 983, 1689, 1709, et al.), and their component manuscripts individually when they differ from their own family and the majority text.<sup>2</sup> Otherwise, only the seven minuscules 33, 565, 579, 700, 892, 1241, and 1424 are consistently cited for the full, but still incomplete, apparatus; one additional minuscule, 28, is cited for the inscription to John; two additional minuscules (264 and 1071) are cited for variant readings in the *pericope adultera* in John 7:53-8:11; and I found seven additional minuscules (61, 64, 185, 472, 485, 2145, and 2768) cited for one

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<sup>1</sup> Kenneth W. Clark, “The Manuscripts of the Greek New Testament”, p. 4.

<sup>2</sup> Barbara Aland et al., Novum Testamentum Graece, pp. 55\*-59\*. This edition is commonly referred to as the Nestle-Aland or NA text. The minuscule manuscripts are referred to by a simple arabic number, assigned by the INTF. The official list and cross-reference to specific holding institution information is kept at the INFT website, currently <http://intf.uni-muenster.de/vmr/NTVMR/ListeHandschriften.php>.

occasional reading somewhere in the apparatus. The apparatus of minor readings provided in Appendix II adds no additional minuscules.

The United Bible Society's Greek New Testament, 4<sup>th</sup> revised edition, presents many fewer variant passages, but for those passages intends to present "the complete range of extant variant readings from a sufficient and representative number of witnesses to provide a faithful reflection of the whole manuscript tradition of the text".<sup>3</sup> This apparatus in John also consistently cites the majority text, Family 1, Family 13, all seven minuscules that the Nestle-Aland consistently cites (33, 565, 579, 700, 892, 1241, and 1424), plus an additional 12 minuscules: 28, 157, 180, 205, 597, 1006, 1010, 1071, 1243, 1292, 1342, and 1505. I found citations of four other minuscules only in cases where that minuscule provided the only Greek manuscript evidence for a reading. Two additional minuscules, 225 and 1333, are cited for their positioning of the *pericope adultera*, John 7:53-8:11, and 225 is cited again along with 1195 for variations in the verse order in 18:13-24. The minuscule 249 is cited for a reading in 14:14.

A different approach to an apparatus of John was taken by Reuben Swanson, in his continuing series *New Testament Greek Manuscripts*, who

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<sup>3</sup> Barbara Aland et al., The Greek New Testament, p. 1\*. This edition is commonly referred to as the UBS text.

cited full evidence from 17 minuscules.<sup>4</sup> Three of these are Family 1 (1, 118, 1582), five are cited as Family 13 (13, 69, 124, 788, 1346 [sic]) and five are consistently cited in Nestle-Aland (33, 565, 579, 700, 1424). Of the remaining four minuscules, three are consistently cited in the UBS apparatus (28, 157, 1071). Thus Swanson added one minuscule, 2, to the evidence already primarily available in the Nestle-Aland and UBS texts.

The goal of this thesis is to document the selection of the minuscules for the ECM Gospel of John apparatus. Initially the methods used for the selection of minuscules for the previous IGNTP and ECM volumes will be described and examined. Next the full evidence from all available Greek manuscripts of John chapter 18 will be presented. Since the John 18 data is also being prepared for a companion volume to the current John *Text und Textwert* volume, the data and summaries will be presented similarly to that format. Both sets of *Text und Textwert* John data will then be utilized for the selection of minuscules.

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<sup>4</sup> Reuben Swanson, *John*, pp. vii-viii. Swanson's identification of 1346 is incorrect, but the minuscule's true identity is uncertain.



## **Chapter 2**

### ***Text und Textwert* and the Claremont Profile Method**

The two contemporary endeavors to produce a critical apparatus for New Testament books have each developed a method for selecting the manuscripts to be included in the apparatus. Each method picked sample passages from its text, examined every manuscript in the sample passages, and developed criteria to select manuscripts from evaluated results. Both methods are summarized below.

#### ***Text und Textwert***

The Novum Testamentum Graecum Editio Critica Maior (ECM) is the critical text and apparatus published by the Institut für neutestamentliche Textforschung (INTF) at the Westfälischen Wilhelms-Universität Münster.<sup>1</sup> Installments of the Catholic Letters were published from 1997-2005, and volumes for Acts and other books are in preparation.

Underlying the selection of the Greek continuous text manuscripts for the ECM is the method that I will refer to as the *Text und Textwert* (TuT) method, set forth in the five volumes of the *Text und Textwert der Griechischen Handschriften des Neuen Testaments*, also published by the

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<sup>1</sup> See the List of References for the series edited by Barbara Aland and others.

INTF.<sup>2</sup> The five volumes, respectively, examine the Catholic Letters, the Pauline Letters, Acts, the Synoptic Gospels, and the Gospel of John. The Apocalypse will be treated in a future sixth volume.

The TuT method for a given New Testament book began by making a selection of test passages within the book. Every available Greek manuscript was collated for all test passages and an apparatus of the results was formed.

Table 2.1 displays the number of manuscripts and test passages examined in the *Text und Textwert* volume for each New Testament book.

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<sup>2</sup> See the List of References for the series edited by Kurt Aland and others.

Table 2.1: Number of manuscripts and test passages in *Text und Textwert*

NT Book	Number of manuscripts	Number of test passages
Matthew	1,757	64
Mark	1,756	196
Luke	1,787	54
John	1,763	153
Acts	550	104
Romans	742	47
1 Corinthians	742	59
2 Corinthians	742	26
Galatians	742	17
Ephesians	742	18
Philippians	742	11
Colossians	742	10
1 Thessalonians	742	5
2 Thessalonians	742	4
1 Timothy	742	9
2 Timothy	742	5
Titus	742	3
Philemon	742	4
Hebrews	742	33
James	552	25
1 Peter	552	13
2 Peter	552	14
1 John	552	23
2 John	552	7
3 John	552	5
Jude	552	11

The TuT method itself does not depend on including every manuscript, that is, in theory the method could be applied to a subset of manuscripts. In practice, though, every available manuscript was included, so that the numbers cited in Table 2.1 are essentially all known, extant manuscripts.

On the other hand, the outcome of the method does depend heavily on the test passages selected. While the rationale for the selection in the TuT volumes was not explained, several characteristics may be observed from examination of the passages. Clearly, passages were selected with known and usually significant variation. The variation included at least two readings that were grammatically correct and logically possible. Importantly, passages seem to have been selected where the majority of manuscripts differed from the older text, as represented by the Nestle-Aland text of the time, or from older representatives of the text.

The resulting apparatus provided the material for several types of evaluative summaries of the manuscripts. The selection of test passages and the evaluation of manuscripts will be further discussed in the application to John 18 in Chapters 3 and 4 below; the discussion here is limited to the criteria for selecting the manuscripts used for the ECM text and apparatus.

The ECM is currently available in volumes for the Catholic Letters. The manuscripts selected for these volumes are based on the Text und Textwert volumes for the Catholic Letters. As shown in the ECM James volume,<sup>1</sup> there were 552 Greek continuous text manuscripts collated at 98 test passages spread across the seven Catholic Letters, from James to Jude. The number of test passages per book was somewhat proportional to the length of the book, but the numbers were small, and all evaluation of the manuscripts for the Catholic Letters was based on the 98 total passages, that is, an evaluation of passages by book was not attempted.

The Introduction to the ECM James volume<sup>2</sup> refers to the 522 of the 552 manuscripts that have a complete or significant amount of the text. Of these 522 manuscripts, 372 attest the Majority text in at least 90% of the test passages in which they are extant. The remaining 150 manuscripts, which differ from the Majority text in more than 10% of the passages, were selected for inclusion in the ECM. In addition, a number of manuscripts from the 372 were included to represent the Byzantine text, and some of the 30 fragmentary manuscripts were included. The total number of Greek continuous text manuscripts included in the ECM for James was 182.

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<sup>1</sup> ECM Catholic Letters, volume IV Part 2, pp. B5-B8.

<sup>2</sup> ECM Catholic Letters, volume IV Part 1, p. 12\*.

The pertinent summary of differences from the Majority Text for the Catholic Letters, the table *Abweichungen vom Mehrheitstext*<sup>3</sup>, includes 552 manuscripts. However, six of these manuscripts did not have text extant at any of the 98 test passages, and an additional 24 fragmentary manuscripts were extant at fewer than 20 of the test passages, leaving 522 manuscripts extant at 20 or more test passages. This table counts agreements with the Nestle-Aland text, even when it agrees with the Majority Text, as differences from the Majority Text, thus showing only 18 manuscripts which differ from the Majority Text in 10% or fewer of the test passages; only four of these 18 were extant in 10 or more test passages. Thus this list was not used to select manuscripts for the ECM.

The decision to count all agreements with the Nestle-Aland text as disagreements with the Majority Text was reversed in later TuT volumes. Table 2.2 lists the 182 manuscripts included in the ECM James volume showing their percentage agreement with the Majority Text (including where the Majority Text agreed with the Nestle-Aland text). Of the 182 manuscripts, three were unknown at the time of the TuT volume (P100, 0316, and 2818), two did not have a readable text accessible at that time (252 and 1799), and six did not have readings extant at any of the 98 test passages (P9, P20, 093, 0116, 0206, and 0247). 16 manuscripts had at least 90% agreement with the Majority Text: three of these were

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<sup>3</sup> Text und Textwert, volume 9, pp. 394-398.

extant at less than five test passages (P54, 0209, and 0246); eight represented a nearly pure Majority Text, with agreement at least 96.9% (049, 1, 18, 35, 319, 424, 607, and 2423) and five were selected for other reasons (018, 020, 180, 330, and 1251). The remaining 155 manuscripts had less than 90% agreement with the Majority Text, although 10 of these had fewer than four test passages (P23, P78, P81, 0156, 0173, 0232, 0245, 0251, 0285, and 0296).

Table 2.2: Manuscripts included in the ECM volumes showing percentage agreement with the Majority text.

Ms	James	1 Peter	2 Peter	1 John	2 John	3 John	Jude	Number of readings	Number of agreements with Mt	% Agreement with MT
P9				X				0	0	-
P20	X							0	0	-
P23	X							2	0	0.0
P54	X							1	1	100.0
P72		X	X				X	38	5	13.2
P74	X	X	X	X	X	X	X	10	1	10.0
P78							X	1	0	0.0
P81		X						2	0	0.0
P100	X							NA		
01	X	X	X	X	X	X	X	98	24	24.5
02	X	X	X	X	X	X	X	98	23	23.5
03	X	X	X	X	X	X	X	98	10	10.2
04	X	X	X	X		X	X	66	14	21.2
018	X	X	X	X	X	X	X	97	90	92.8
020	X	X	X	X	X	X	X	98	90	91.8
025	X	X	X	X	X	X	X	90	55	61.1
044	X	X	X	X	X	X	X	97	29	29.9
048	X	X	X	X	X	X		18	5	27.8
049	X	X	X	X	X	X	X	97	93	95.9
056	X							96	85	88.5
093		X						0	0	
0142	X	X	X	X	X	X	X	97	85	87.6
0156		X						2	0	0.0
0166	X							0	0	
0173	X							2	0	0.0
0206		X						0	0	
0209			X					4	4	100.0
0232					X			3	0	0.0
0245				X				1	0	0.0
0246	X							2	2	100.0
0247		X	X					0	0	
0251						X	X	1	0	0.0
0285		X						1	0	0.0
0296				X				2	1	50.0
0316							X	NA		
1	X	X	X	X	X	X	X	98	94	95.9
5	X	X	X	X	X	X	X	98	54	55.1
6	X	X	X	X	X	X	X	98	64	65.3
18	X	X	X	X	X	X	X	98	96	98.0



		1	2	1	2	3		Number	Number of	%	
Ms	James	Peter	Peter	John	John	John	Jude	of	agreements	Agreement	
								readings	with Mt	with MT	
33	X	X	X	X	X	X	X	83	24	28.9	
35	X	X	X	X	X	X	X	98	95	96.9	
38	X							94	84	89.4	
43	X	X	X	X	X	X	X	97	86	88.7	
61	X	X	X	X	X	X	X	97	67	69.1	
69	X	X	X	X	X	X	X	89	75	84.3	
81	X	X	X	X	X	X	X	98	37	37.8	
88	X	X	X	X	X	X	X	97	71	73.2	
93	X	X	X	X	X	X	X	98	76	77.6	
94	X	X	X	X	X	X	X	98	74	75.5	
104	X	X	X	X	X	X	X	94	66	70.2	
180	X	X	X	X	X	X	X	97	88	90.7	
181	X	X	X	X	X	X	X	96	79	82.3	
197	X							19	17	89.5	
206	X	X	X	X	X	X	X	75	44	58.7	
218	X	X	X	X	X	X	X	97	72	74.2	
252	X	X	X	X	X	X	X	NA			
254	X	X	X	X	X	X	X		98	68	69.4
307	X	X	X	X	X	X	X		98	69	70.4
312	X							98	87	88.8	
319	X	X	X	X	X	X	X	96	93	96.9	
321	X	X	X	X	X	X	X	98	78	79.6	
322	X							98	34	34.7	
323	X	X	X	X	X	X	X	98	34	34.7	
326	X	X	X	X	X	X	X	95	71	74.7	
330	X	X	X	X	X	X		97	89	91.8	
365	X	X	X	X	X	X	X	75	66	88.0	
378	X	X	X	X	X	X	X	98	66	67.3	
398	X	X	X	X	X	X	X	97	68	70.1	
400	X	X	X	X	X	X	X	95	85	89.5	
424	X	X	X	X	X	X	X	97	96	99.0	
429	X	X	X	X	X	X	X	98	64	65.3	
431	X	X	X	X	X	X	X	98	78	79.6	
436	X	X	X	X	X	X	X	98	48	49.0	
442	X	X	X	X	X	X	X	98	49	50.0	
453	X	X	X	X	X	X	X	97	67	69.1	
456	X							98	88	89.8	
459	X	X	X	X	X	X	X	98	78	79.6	
467	X	X	X	X	X	X	X	95	77	81.1	
468	X	X	X	X	X	X	X	98	87	88.8	
522	X	X	X	X	X	X	X	97	58	59.8	

Ms	James	1 Peter	2 Peter	1 John	2 John	3 John	Jude	Number of readings	Number of agreements with Mt	% Agreement with MT
607	X	X	X	X	X	X	X	97	95	97.9
614	X	X	X	X	X	X	X	89	48	53.9
617	X	X	X	X	X	X	X	98	88	89.8
621	X	X	X	X	X	X	X	96	52	54.2
623	X	X	X	X	X	X	X	96	48	50.0
629	X	X	X	X	X	X	X	92	52	56.5
630	X	X	X	X	X	X	X	98	52	53.1
631	X							88	76	86.4
642	X	X	X	X	X		X	98	72	73.5
643	X							86	77	89.5
665	X	X	X	X	X	X	X	85	66	77.6
676	X							98	86	87.8
720	X	X	X	X	X	X	X	90	68	75.6
808	X	X	X	X	X	X	X	97	69	71.1
876	X	X	X	X	X	X	X	97	75	77.3
915	X	X	X	X	X	X	X	98	70	71.4
918	X	X	X	X	X	X	X	98	69	70.4
945	X	X	X	X	X	X	X	98	47	48.0
996	X	X	X	X	X	X	X	98	82	83.7
999	X							98	88	89.8
1066	X							70	61	87.1
1067	X	X	X	X	X	X	X	97	47	48.5
1127	X	X	X	X	X	X	X	97	68	70.1
1175	X	X	X	X	X	X	X	98	56	57.1
1241	X	X	X	X	X	X	X	91	21	23.1
1243	X	X	X	X	X	X	X	97	28	28.9
1251	X							97	91	93.8
1270	X	X	X	X	X	X	X	97	79	81.4
1292	X	X	X	X	X	X	X	98	52	53.1
1297	X	X	X	X	X	X	X	97	79	81.4
1359	X	X	X	X	X	X	X	97	70	72.2
1367	X							98	87	88.8
1390	X							97	86	88.7
1409	X	X	X	X	X	X	X	98	52	53.1
1448	X	X	X	X	X	X	X	97	65	67.0
1490	X	X	X	X	X	X	X	98	76	77.6
1501	X	X	X	X	X	X	X	98	81	82.7
1505	X	X	X	X	X	X	X	98	39	39.8
1509	X							97	86	88.7
1523				X	X	X	X	45	28	62.2
1524	X	X	X	X	X	X	X	98	68	69.4

		1	2	1	2	3		Number	Number of	%
Ms	James	Peter	Peter	John	John	John	Jude	of	agreements	Agreement
								readings	with Mt	with MT
1563	X	X	X	X	X	X	X	97	71	73.2
1595	X	X	X	X	X	X	X	97	80	82.5
1598	X							97	79	81.4
1609	X	X	X	X	X	X	X	97	85	87.6
1611	X	X	X	X	X	X	X	97	46	47.4
1661	X	X	X	X	X	X	X	98	83	84.7
1678	X	X	X	X	X	X	X	98	65	66.3
1718	X	X	X	X	X	X	X	97	69	71.1
1729	X	X	X	X	X	X	X	98	86	87.8
1735	X	X	X	X	X	X	X	98	42	42.9
1739	X	X	X	X	X	X	X	98	19	19.4
1751	X	X	X	X	X	X	X	98	81	82.7
1765	X							97	75	77.3
1799	X	X	X	X	X	X	X	NA		
1827	X	X	X	X	X	X	X		98	81
1831	X	X	X	X	X	X	X	97	76	78.4
1832	X	X	X	X	X	X	X	97	76	78.4
1836				X	X	X	X	34	25	73.5
1837	X	X	X	X	X	X	X	97	72	74.2
1838	X	X	X	X	X	X	X	94	65	69.1
1840	X							95	84	88.4
1842	X	X	X	X	X	X	X	98	77	78.6
1844				X	X	X	X	46	29	63.0
1845	X	X	X	X	X	X	X	98	68	69.4
1846	X			X	X	X	X	36	13	36.1
1848	X	X	X					50	43	86.0
1850	X							98	88	89.8
1852	X	X	X	X	X	X	X	95	23	24.2
1853	X							98	88	89.8
1874	X	X	X	X	X	X	X	98	88	89.8
1875	X	X	X	X	X	X	X	92	77	83.7
1881		X	X	X	X	X	X	73	19	26.0
1890	X	X	X	X	X	X	X	97	72	74.2
1893	X							89	79	88.8
2080	X							98	88	89.8
2138	X	X	X	X	X	X	X	90	39	43.3
2147	X	X	X	X	X	X	X	98	62	63.3
2180	X							57	50	87.7
2186	X	X	X	X	X	X	X	93	80	86.0
2197	X							98	68	69.4
2200	X	X	X	X	X	X	X	98	52	53.1

Ms	James	1 Peter	2 Peter	1 John	2 John	3 John	Jude	Number of readings	Number of agreements with Mt	% Agreement with MT
2242	X							98	84	85.7
2243	X	X	X	X	X	X	X	97	78	80.4
2298	X	X	X	X	X	X	X	98	43	43.9
2344	X	X	X	X	X	X	X	95	32	33.7
2374	X	X	X	X	X	X	X	97	64	66.0
2412	X	X	X	X	X	X	X	98	50	51.0
2423	X	X	X	X	X	X		98	97	99.0
2464	X	X	X	X	X	X	X	82	36	43.9
2492	X	X	X	X	X	X	X	93	66	71.0
2494	X							98	77	78.6
2495	X							97	41	42.3
2523	X							97	86	88.7
2541	X	X	X	X	X	X	X	97	58	59.8
2544	X	X	X	X	X	X	X	98	81	82.7
2652	X	X	X	X	X	X	X	97	61	62.9
2674	X							96	86	89.6
2718	X	X	X		X	X	X	52	35	67.3
2774	X	X	X	X	X	X	X	92	79	85.9
2805	X	X	X	X	X	X	X	98	39	39.8
2818	X	X	X	X			X	NA		

## ***The Claremont Profile Method***

The International Greek New Testament Project (IGNTP) set out to provide a critical apparatus though not a critical text. The IGNTF has published an apparatus for one New Testament book, The Gospel According to St. Luke, following which it turned to the Gospel of John. A complete apparatus of the Greek papyri and majuscule manuscripts of John have been published, and work towards providing both a critical apparatus and text is in progress.<sup>4</sup>

A significant number of the Greek continuous text manuscripts had been read in preparation for the Luke volume before the Claremont Profile Method (CPM) was developed to select the manuscripts for the apparatus. The CPM was described in two doctoral dissertations by the developers, Frederik Wisse and Paul McReynolds, and in a subsequent monograph by Wisse.<sup>5</sup> The foundation of their work was the premise that the large majority of minuscule manuscripts belong to groups or families that could be established based on selections of their text and represented by a subset of the manuscripts. The critical apparatus would adequately represent the manuscript tradition if it included representatives of the groups, plus those manuscripts that did not fall into definable groups.

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<sup>4</sup> See the List of References for the IGNTF Luke volume, the John papyri volume by Elliott and Parker, and the John majuscule volume by Schmid, Elliott and Parker.

<sup>5</sup> See the List of References for the dissertations by McReynolds (referred to hereafter as Claremont Profile Method) and Wisse and the monograph by Wisse (referred to hereafter as Profile Method).

Many prior studies of groups of manuscripts had been based on demonstrating distinctive readings of the groups<sup>6</sup>. Wisse and McReynolds observed the overlapping distinctiveness that had been claimed for some groups and the lack of distinctive readings for other groups, and proposed instead that a group could be defined by a profile of readings, distinct from other groups, whether the individual readings were distinct themselves or not. The establishment of the group profiles, and subsequent evaluation of the groups, became the Claremont Profile Method.

At the beginning of the work of Wisse and McReynolds, complete collations of about 200 manuscripts of Luke had been compiled for the IGNTP, including most of the majuscule manuscripts, 28 of which were nonfragmentary, and 163 minuscule manuscripts. Collations of an additional 83 minuscules were available for use, making a total of 282 manuscripts<sup>7</sup>. For the most part, these manuscripts were those available in North America, either the original or photographs. The manuscripts in North America are relatively sparse and random, and could not be considered representative of the tradition, but the photographic collection of the IGNTP had been built with the intent to include manuscripts known to be important or that represented previously described families or

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<sup>6</sup> Eldon Jay Epp, "The Claremont Profile Method", p. 32.

<sup>7</sup> Wisse, Profile Method, p. 37, fn 10.

groups of manuscripts<sup>8</sup>. In addition, some manuscripts of Luke had been read outside of North America and were added to the collection.

The CPM method itself, similarly to the TuT method, can be applied to a subset of manuscripts. As applied to Luke, certain restrictions were adopted, then every available manuscript within those restrictions was eventually included<sup>9</sup>. However, the manuscripts were included in the method in stages, which affected the selection of test passages and, as with the TuT method, the outcome of the CPM method does depend on the test passages selected.

The test passages for Luke were selected based on the complete collation of 282 manuscripts.<sup>10</sup> A sample of three chapters, 1, 10, and 20, was picked, and all variation in these chapters was evaluated. Readings were eliminated that were not grammatically correct or logically possible.

Potential test passages were formed where there were only 2 distinct

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<sup>8</sup> Wisse, *Profile Method*, p. 35.

<sup>9</sup> Wisse profiled 1385 manuscripts, comprised of 34 majuscules and 1351 minuscules. Fragmentary manuscripts often did not contain enough text of chapters 1, 10, or 20 to include in the profiles. This included all the papyri manuscripts; only P45 and P75 included any significant portion of the 3 chapters, both with parts of chapter 10. A number of manuscripts were not included because their text was not available, due to loss, inaccessibility, or illegibility. However, a number of manuscripts available on microfilm at the INTF were excluded because they were dated after the 15<sup>th</sup> century or contained a commentary text. Manuscripts dated after the 15<sup>th</sup> century which had been collated for the initial IGNTP phase were retained in the profiles. See Wisse, *Profile Method*, pp. 47-49.

<sup>10</sup> Wisse, *Profile Method*, p. 37, fn 10.

readings; if a variation unit contained more than 2 readings, it was divided into multiple test passages, each with 2 readings.

The last stage in selecting a test passage was to test whether it was a group reading. The manuscripts which had been assigned to groups in the massive work of von Soden<sup>11</sup> were recorded by group for each potential test passage. If a reading was supported by two-thirds or more of at least one group, but not all groups, the passage was confirmed as a test passage, otherwise the passage was eliminated. Passages with a singular reading were thus eliminated.<sup>12</sup> Based on the initial 282 manuscripts, a total of 205 test passages in the three chapters were selected. An additional 300 minuscules were collated in these 205 test passages, and each passage was re-evaluated for group membership, resulting in eliminating nine additional passages.<sup>13</sup> A final count of 196

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<sup>11</sup> Hermann Freiherr von Soden, *Die Schriften des Neuen Testaments*. Wisse, *Profile Method*, p. 37, wrote that von Soden's classification was used where no later group study was available, but only von Soden's group assignments were recorded for the manuscripts, pp. 49-90.

<sup>12</sup> Wisse, *Profile Method*, pp. 38, 118. Sub-singular readings, which apparently meant the support of 2-3 manuscripts, and readings which were supported by "Neutral" majuscules with negligible minuscule support, were also eliminated (pp. 39, 46).

<sup>13</sup> McReynolds, *Claremont Profile Method*, p. 12, fn 3. Wisse, *Profile Method*, p. 42, wrote that readings which had initially been eliminated by not having support of any group with the 282 manuscripts were rechecked for group support after adding the additional 300 manuscripts, but no additional readings with group support were found.



test passages was selected based on 582 manuscripts, including 546 minuscules.<sup>14</sup>

With the test passages selected, the final step was to collate all remaining manuscripts in these passages. Wisse added an additional 816 manuscripts read from the INTF microfilm collection, for a total of 1385 manuscripts in 196 passages.<sup>15</sup>

Groups were defined quite simply. A group reading was defined as a reading which had the support of two-thirds or more of the manuscripts in the group.<sup>16</sup> A manuscript group had to have some readings where

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<sup>14</sup> McReynolds, *Claremont Profile Method*, pp. 5-6. 54 of the test passages came from chapter 1, 64 from chapter 10, and 78 from chapter 20. Manuscripts which had not been grouped by von Soden could not be used to evaluate the group reading criterion. McReynolds, pp. 112-133, listed 545 minuscules which were used to select the test passages, 100 of which had not been classified to a group by von Soden, including all 57 minuscules numbered GA 2321 or higher, of which only GA 2585 seems to have been known at von Soden's time.

<sup>15</sup> Wisse, *Profile Method*, p. v. There is some discrepancy in the number of manuscripts included at the various stages; the numbers have been quoted as cited or listed in the dissertations or monograph, but do not always add up correctly. Wisse, p. 37, wrote that he could not re-evaluate previously eliminated test passages while adding the additional 816 manuscripts, thus retaining the 196 passages selected from the initial 582 manuscripts. Some manuscripts were not extant in all 3 chapters, and were only profiled in 1 or 2 chapters.

<sup>16</sup> McReynolds, *Claremont Profile Method*, p. 9, defined a reading as a primary group reading if shared by two-thirds or more of the manuscripts of the group, a secondary group reading if shared by between one-half and two-thirds of the manuscripts, and anything else as a surplus reading; cf. Wisse, *Profile Method*, p. 40, although Wisse defined a secondary reading as having between one-third and two-thirds of the manuscripts in a group. Secondary readings were only considered if they

two-thirds of the manuscripts agreed. A manuscript group was defined by its profile of readings, both those readings unique to that group, if any, and shared with other groups.<sup>17</sup> A group profile had to be different from the profile of every other group.<sup>18</sup> A manuscript's profile of readings was compared to each group profile and the manuscript was placed within the group to which it best conformed.<sup>19</sup>

The initial groups were formed based on von Soden's groupings. If a manuscript did not fit within its initial group, or if it had not been classified by von Soden, it was compared to all other groups for the best fit. Group readings and profiles could change as manuscripts were shifted

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were primary readings for another group (McReynolds, p. 12). Since each test passage only had two readings, either reading 1 was a primary reading, or reading 2 was primary, or both were surplus readings. In practice, the *Textus Receptus* (TR) reading of Luke was always reading 1, and only reading 2 was evaluated as a group reading. The choice of the TR or any base text does not affect a group's profile, but it does affect counts of group readings if only divergences from the base are considered to be group readings.

<sup>17</sup> McReynolds, Claremont Profile Method, pp. 6, 9-10.

<sup>18</sup> McReynolds, Claremont Profile Method, pp. 10. Wisse, Profile Method, p. 41, wrote that a group profile must differ from any other group profile at a minimum of two group readings per chapter. Fewer differences between groups implied that they were sub-groups or clusters within a larger group.

<sup>19</sup> Wisse, Profile Method, pp. 40-41. Wisse, p. 119, fn 7, wrote that an initial rule that a manuscript agreed with two-thirds of its group readings was dropped as unnecessary and inconsistent with the greater disparity shown by some groups. McReynolds, Claremont Profile Method, p. 13, wrote that the assignment of a manuscript to a group came from the judgment built from working through the profiles and readings, and knowing which readings were of more value to particular groups. See also Wisse, pp. 42-43. Wisse also indicated that the group profile could be established on the basis of core manuscripts, while peripheral manuscripts also could form new subgroups.

in and out, and groups could even be disbanded. This iterative process allowed corrections from the initial groupings and from interim choices of readings and groups. Most of the manuscripts were thus assigned to groups, though a number did not match any profile, and were left unassigned.<sup>20</sup>

Table 2.3 shows the CPM groups found in Luke. There were 14 groups found, generally named traditionally or for the major manuscript found in the group: B,  $\kappa^r$ ,  $\kappa^x$ , M,  $\Lambda$ ,  $\Pi$ , 1, 13, 16, 22, 291, 1167, 1216, and 1519. Three of these groups, M,  $\Pi$ , and 22, consisted entirely of related subgroups; two of these groups,  $\kappa^r$  and  $\kappa^x$ , contained core and peripheral manuscripts plus defined subgroups; and the remaining 9 groups consisted of core and peripheral manuscripts without any further subgroups.<sup>21</sup> Table 2.3 lists the number of manuscripts identified for

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<sup>20</sup> Wisse, *Profile Method*, pp. 40-43; McReynolds, *Claremont Profile Method*, pp. 6, 9-13.

<sup>21</sup> The groups and subgroups are described in Wisse, *Profile Method*, pp. 91-116. Groups for the initial manuscripts profiled were described in McReynolds, *Claremont Profile Method*, pp. 15-91, conveniently summarized for the 545 minuscules on pp. 112-133, but these groups were adjusted after Wisse added another 816 manuscripts (Wisse, p. vi). The groups and subgroups were defined using the CPM criteria as described above, including a difference in the profile, that is, in the group readings per chapter. Subgroups were generally called subgroups if they contained 10 or more manuscripts and called clusters if they contained fewer than 10 (Wisse, p. 51), although this was not strictly followed. The group  $\kappa^r$  had 16 subgroups containing 87 of its 221 manuscripts, and the group  $\kappa^x$  had 29 subgroups containing 193 of its 734 manuscripts; these subgroups did not play a role in the selection of manuscripts for the apparatus, so are listed in Appendix I rather than in Table 2.3.

each group and subgroup, locating 1343 manuscripts within the 14 groups. There were an additional 435 manuscripts which did not match any group definition. Of these, 225 were sufficiently separate from the  $K^x$  group to be considered non- $K^x$ , but could not be identified with any other group. There were 14 manuscript pairs and 22 clusters of manuscripts, but none reached group status; the remaining 89 non- $K^x$  manuscripts could not be matched with other manuscripts and were called “mixed” manuscripts. The last 210 manuscripts, from the 435 that did not match any group definition, were called “ $K^x$  mixed” because of their proximity to the  $K^x$  group.

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McReynolds (pp. 16ff) and Wisse (p. 41) each give examples of previously identified groups which were confirmed or not by the CPM.

Table 2.3 lists 1343 manuscripts which belong to groups and 435 which do not, for an apparent total of 1778 manuscripts, although only 1385 manuscripts were profiled. This discrepancy is due to some manuscripts being identified as belonging to different groups in 2 or all 3 chapters, thus being counted in more than one group. The assignment to groups by chapter will be further discussed below.

Table 2.3: Claremont Profile Method Groups and Sub-groups in IGNTP Luke

Group	Subgroup	Number of mss	Number and list of mss in IGNTP Luke
B (03)		15	15 01, 03, 05, 019, 032, 040, 044, 33, 157, 565, 579, 700, 892, 1241, 1342
K <sup>r</sup>		221	6 66, 83, 480, 1247, 2322, 2399
K <sup>x</sup>		734	48 07, 011, 013, 027, 028, 030, 031, 032, 036, 037, 045, 047, 053, 0211, 2, 21, 28, 115, 123, 157, 158, 179, 229, 399, 461, 475, 478, 544, 565, 669, 700, 1010, 1077, 1080, 1203, 1215, 1295, 1338, 1342, 1347, 1351, 1352, 1392, 1443, 1452, 1542, 1691, 2757
M (021)	M27	21	3 021, 27, 71, 1458
	CI M10	5	1 1194
	CI M350	3	0
	CI M609	5	1 1220
	CI M1386	8	0
	M106	13	1 2613
	CI M159	3	1 443
	CI M349	10	2 349, 1630
	CI M651	3	0
	CI M1195	6	1 1195
	CI M1326	5	0
	CI M1402	4	0
Λ (039)		23	6 039, 161, 174, 230, 262, 1187
Π (041)	Π <sup>a</sup>	65	13 02, 017, 041, 158, 229, 265, 489, 544, 1079, 1219, 1313, 1355, 1392
	Π <sup>b</sup>	35	3 726, 1200, 1319
	CI Π6	3	1 6
	CI Π171	18	1 034
	CI Π200	5	0
	CI Π266	3	0
	CI Π268	7	1 1223
	CI Π278	3	1 1510
	CI Π473	13	0
	CI Π1441	5	1 1223
1		8	7 1, 118, 131, 205, 209, 1582, 2542
13		9	9 13, 69, 124, 346, 543, 788, 826, 828, 983
16		9	1 16
22	22a	9	3 1005, 1365, 2372
	22b	6	3 22, 1192, 1210
291		10	0
1167		22	1 1242
1216		15	4 348, 477, 1216, 1579
1519		19	1 5
Non-K <sup>x</sup> clusters		108	18 7, 60, 267, 343, 475, 517, 716, 827, 954, 1012, 1229, 1424, 1654, 1675, 1685, 2096, 2487, 2766
Non-K <sup>x</sup> pairs		28	5 472-1009, 1443, 1604, 2643
Mixed text		89	33 04, 022, 024, 026, 027, 032, 033, 037, 038, 044, 0130, 0211, 5, 28, 157, 179, 213, 372, 399, 472, 700, 713, 903, 1009, 1071, 1215, 1342, 1443, 1542, 1604, 2542, 2643, 2757

Group	Subgroup	Number of mss	Number and list of mss in IGNTF Luke
K <sup>x</sup> mixed text		210	23 09, 030, 040, 044, 0211, 2, 5, 115, 343, 472, 544, 577, 713, 1009, 1010, 1215, 1242, 1347, 1443, 1510, 1604, 2757, 2766

For the apparatus, the purpose of identifying the manuscript groups was to choose manuscripts, particularly the minuscules, that would be included in the apparatus to represent the range of the manuscript tradition.<sup>22</sup> Table 2.4 lists the 197 manuscripts that were included in the Luke apparatus and the CPM group identification for each of the 3 chapters. Of the 155 manuscripts that were profiled in 2 or 3 chapters, 115 had the same CPM grouping in all chapters, while 40 manuscripts had a different CPM grouping across chapters. Some of these changes were trivial, for example 2 and 1347 changing from K<sup>x</sup> mix to K<sup>x</sup> across chapters, and some were unsurprising, such as 1443 and 2757 changing from Mix to K<sup>x</sup> mix to K<sup>x</sup>. But some were quite surprising, such as 700 and 1342 changing from Mix to B to K<sup>x</sup>, and 565 changing from B to K<sup>x</sup>. The selection of chapters 1, 10, and 20 was specifically made to check for potential block mixture across the book.<sup>23</sup>

<sup>22</sup> Wisse, *Profile Method*, p. 7. For both the ECM and the IGNTF apparatus, the manuscripts of the first 10 centuries are generally included, thus all the papyri and majuscules, so the selection process applies to the minuscules. The IGNTF Luke volume did exclude the fragmentary majuscules 055, 078, 079, 0116, 0133, 0155, and 0212 (IGNTF, Luke, p. ix).

<sup>23</sup> McReynolds, *Claremont Profile Method*, pp. 3-4; Wisse, *Profile Method*, pp. 43-45.

Table 2.4: Manuscripts selected for IGNTP Luke with Claremont Profile Method Groups and *Text und Textwert* Percentage Agreement with Majority Text

MS	Luke 1	Luke 10	Luke 20	TuT % Agreement with MT
P3	NA	NA	NA	0.0
P4	NA	NA	NA	0.0
P7	NA	NA	NA	NA
P42	NA	NA	NA	NA
P45	NA	NA	NA	20.0
P69	NA	NA	NA	NA
P75	NA	NA	NA	8.3
P82	NA	NA	NA	NA
01	B	B	B	7.6
02	$\Pi^a$	$\Pi^a$	$\Pi^a$	81.5
03	B	B	B	1.9
04	Mix	Mix	Mix	54.5
05	B	B	B	32.1
07	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	92.2
09	K <sup>x</sup> mix	NA	NA	87.5
011	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	95.1
013	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	92.6
017	$\Pi^a$	$\Pi^a$	$\Pi^a$	90.7
019	B	B	B	14.8
021	M27	M27	M27	96.3
022	NA	NA	Mix	83.3
024	NA	NA	Mix	88.2
026	NA	NA	Mix	75.0
027	K <sup>x</sup>	K <sup>x</sup>	Mix	66.7
028	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	92.6
029	NP	NP	NP	0.0
030	K <sup>x</sup> mix	K <sup>x</sup>	K <sup>x</sup> mix	96.3
031	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	94.4
032	B	K <sup>x</sup>	Mix	64.8
033	Mix	Mix	NA	76.1
034	$\Pi$ 171	$\Pi$ 171	$\Pi$ 171	100.0
036	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	96.3
037	Mix	K <sup>x</sup>	K <sup>x</sup>	92.6
038	Mix	Mix	Mix	72.2
039	$\Lambda$	$\Lambda$	$\Lambda$	100.0

MS	Luke 1	Luke 10	Luke 20	TuT % Agreement with MT
040	K <sup>x</sup> mix	B	NA	12.5
041	Π <sup>a</sup>	Π <sup>a</sup>	Π <sup>a</sup>	86.5
044	B	K <sup>x</sup> mix	Mix	70.4
045	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	92.6
047	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	93.9
053	K <sup>x</sup>	NA	NA	100.0
063	NA	NA	NA	100.0
070	NA	NA	NA	14.3
0102	NA	NA	NA	66.7
0108	NA	NA	NA	NA
0113	NA	NA	NA	NA
0115	NA	NA	NA	50.0
0117	NA	NA	NA	NA
0124	NA	NA	NA	NA
0130	Mix	NA	NA	NA
0135	NA	NA	NA	83.3
0139	NA	NA	NA	NA
0147	NA	NA	NA	NA
0171	NA	NA	NA	100.0
0177	NA	NA	NA	NA
0178	NA	NA	NA	NA
0179	NA	NA	NA	NA
0181	NA	NA	NA	NA
0182	NA	NA	NA	NA
0190	NA	NA	NA	NA
0191	NA	NA	NA	NA
0196	NA	NA	NA	NA
0202	NA	NA	NA	NA
0211	K <sup>x</sup>	K <sup>x</sup> mix	Mix	79.2
0239	NA	NA	NA	NA
0250	NA	NA	NA	100.0
0253	NA	NA	NA	100.0
0265	NA	NA	NA	NA
0266	NA	NA	NA	NA
0267	NA	NA	NA	NA
1	1	1	1	51.9
2	K <sup>x</sup> mix	K <sup>x</sup>	K <sup>x</sup>	94.4
5	Mix	K <sup>x</sup> mix	1519	90.7
6	Π6	Π6	Π6	100.0
7	Cl 7	Cl 7	Cl 7	94.4



MS	Luke 1	Luke 10	Luke 20	TuT % Agreement with MT
13	13	13	13	75.5
16	16	16	16	90.7
21	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	93.8
22	22b	22b	22b	79.6
27	M27	M27	M27	94.4
28	Mix	K <sup>x</sup>	K <sup>x</sup>	90.0
33	B	B	B	41.0
60	Cl 1685	Cl 1685	Cl 1685	90.7
66	K <sup>r</sup>	K <sup>r</sup>	K <sup>r</sup>	96.3
69	13	13	13	71.7
71	M27	M27	M27	88.7
83	K <sup>r</sup>	K <sup>r</sup>	K <sup>r</sup>	96.3
115	K <sup>x</sup> mix	K <sup>x</sup>	K <sup>x</sup> mix	94.4
118	1	1	1	66.0
123	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	96.3
124	13	13	13	83.3
131	1	1	1	57.4
157	K <sup>x</sup>	Mix	B	55.6
158	K <sup>x</sup>	K <sup>x</sup>	Π <sup>a</sup>	92.5
161	Λ	Λ	Λ	98.1
174	Λ	Λ	Λ	96.3
179	Mix	K <sup>x</sup>	K <sup>x</sup>	87.0
205	1	1	1	59.3
209	1	1	1	61.1
213	Mix	Mix	Mix	72.2
229	Π <sup>a</sup>	K <sup>x</sup>	K <sup>x</sup>	98.1
230	Λ	Λ	Λ	94.4
262	Λ	Λ	Λ	100.0
265	Π <sup>a</sup>	Π <sup>a</sup>	Π <sup>a</sup>	92.6
267	Cl 7	Cl 7	Cl 7	94.4
343	Cl 343	Cl 343	K <sup>x</sup> mix	85.2
346	13	13	13	77.8
348	1216	1216	1216	83.3
349	M349	M349	M349	94.3
372	Mix	Mix	Mix	85.2
399	Mix	K <sup>x</sup>	K <sup>x</sup>	94.4
443	M159	M159	M159	96.3
461	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	96.3
472	Mix	K <sup>x</sup> mix	Mix	83.7

MS	Luke 1	Luke 10	Luke 20	TuT % Agreement with MT
475	K <sup>x</sup>	CI 475	CI 475	96.2
477	1216	1216	1216	94.3
478	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	96.3
480	K <sup>r</sup>	K <sup>r</sup>	K <sup>r</sup>	96.3
489	Π <sup>a</sup>	Π <sup>a</sup>	Π <sup>a</sup>	92.6
517	CI 1675	NA	NA	66.7
543	13	13	13	75.5
544	Π <sup>a</sup>	K <sup>x</sup> mix	K <sup>x</sup>	92.0
565	B	K <sup>x</sup>	K <sup>x</sup>	88.9
577	K <sup>x</sup> mix	K <sup>x</sup> mix	K <sup>x</sup> mix	98.1
579	B	B	B	26.4
669	NA	K <sup>x</sup>	K <sup>x</sup>	98.1
700	Mix	B	K <sup>x</sup>	83.3
713	Mix	K <sup>x</sup> mix	Mix	83.3
716	CI 343	CI 343	CI 686	86.8
726	Π <sup>b</sup>	Π <sup>b</sup>	Π <sup>b</sup>	96.3
788	13	13	13	70.4
826	13	13	13	75.9
827	CI 827	CI 827	CI 827	88.9
828	13	13	13	75.6
892	B	B	B	59.3
903	Mix	Mix	Mix	92.6
954	CI 1675	CI 1675	CI 1675	92.6
983	13	13	13	74.1
1005	22a	22a	22a	85.2
1009	Mix	K <sup>x</sup> mix	Mix	87.0
1010	K <sup>x</sup> mix	K <sup>x</sup>	K <sup>x</sup>	96.2
1012	CI 1012	CI 1012	CI 1012	83.3
1071	Mix	Mix	Mix	74.1
1077	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	100.0
1079	Π <sup>a</sup>	Π <sup>a</sup>	Π <sup>a</sup>	88.9
1080	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	96.2
1187	Λ	Λ	Λ	96.3
1192	22b	22b	22b	92.6
1194	M10	M10	M10	90.6
1195	M1195	M1195	M1195	90.7
1200	Π <sup>b</sup>	Π <sup>b</sup>	Π <sup>b</sup>	100.0
1203	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	98.1
1210	22b	22b	22b	81.5

MS	Luke 1	Luke 10	Luke 20	TuT % Agreement with MT
1215	Mix	K <sup>x</sup>	K <sup>x</sup> mix	92.0
1216	1216	1216	1216	88.9
1219	Π <sup>a</sup>	Π <sup>a</sup>	Π <sup>a</sup>	90.1
1220	M609	M609	M609	90.2
1223	Π1441	Π1441	Π268	90.7
1229	CI 1229	CI 1229	CI 1229	83.3
1241	B	B	B	24.5
1242	K <sup>x</sup> mix	K <sup>x</sup> mix	1167	96.3
1247	K <sup>r</sup>	K <sup>r</sup>	K <sup>r</sup>	96.2
1295	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	94.4
1313	Π <sup>a</sup>	Π <sup>a</sup>	Π <sup>a</sup>	94.4
1319	Π <sup>b</sup>	Π <sup>b</sup>	Π <sup>b</sup>	94.4
1338	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	92.6
1342	Mix	B	K <sup>x</sup>	79.6
1347	K <sup>x</sup> mix	K <sup>x</sup>	K <sup>x</sup>	94.4
1351	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	94.2
1352	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	96.3
1355	Π <sup>a</sup>	Π <sup>a</sup>	Π <sup>a</sup>	98.1
1365	22a	22a	22a	83.3
1392	K <sup>x</sup>	K <sup>x</sup>	Π <sup>a</sup>	98.1
1424	CI 1675	CI 1675	CI 1675	74.1
1443	Mix	K <sup>x</sup> mix	K <sup>x</sup>	94.4
1452	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	96.3
1458	M27	M27	M27	90.6
1510	K <sup>x</sup> mix	Π278	Π278	92.6
1542	Mix	K <sup>x</sup>	K <sup>x</sup>	88.9
1579	1216	1216	1216	83.3
1582	1	1	1	51.9
1604	Mix	K <sup>x</sup> mix	Mix	85.2
1630	M349	M349	M349	96.3
1654	CI 7	CI 7	CI 7	92.5
1675	CI 1675	CI 1675	CI 1675	83.0
1685	CI 1685	CI 1685	CI 1685	92.2
1691	K <sup>x</sup>	K <sup>x</sup>	K <sup>x</sup>	92.6
2096	CI 1012	CI 1012	CI 1012	94.1
2322	K <sup>r</sup>	K <sup>r</sup>	K <sup>r</sup>	94.4
2372	22a	22a	22a	84.3
2399	K <sup>r</sup>	K <sup>r</sup>	K <sup>r</sup>	95.9

MS	Luke 1	Luke 10	Luke 20	TuT % Agreement with MT
2487	CI 1229	CI 1229	CI 1229	83.0
2542	Mix	1	1	49.0
2613	M106	M106	M106	88.9
2643	Mix	Mix	Mix	NA
2757	Mix	K <sup>x</sup> mix	K <sup>x</sup>	94.3
2766	K <sup>x</sup> mix	CI 827	CI 827	87.0

Table 2.3 also summarizes the number and identification of manuscripts that were included in the Luke apparatus for each CPM group. Three of the groups, B, 1, and 13, included essentially all of the group's manuscripts, while only one major group, 291, was completely unrepresented in the apparatus. Eight subgroups spread across groups were also unrepresented in the apparatus, although of these only Cluster Π473 contained more than 10 manuscripts. The 22 Non-K<sup>x</sup> clusters are not detailed in Table 2.3; these clusters are small, representing only 108 manuscripts total, but 13 of the 22 clusters are not represented in the apparatus, including all 4 clusters with 7 or more manuscripts. The mixed texts are well represented in the apparatus, including 33 of the 89 Mixed and 23 of the 210 K<sup>x</sup> Mixed manuscripts.

Table 2.4 also includes the percentage agreement with the Majority Text taken from the Text und Textwert Luke volume.<sup>24</sup> Of the 197 manuscripts included in the IGNTP Luke apparatus, 172 had test passages in the TuT, 63 of which agreed with the Majority Text less than 85%, 18 agreed with the Majority Text between 85-90%, and 91 agreed with the Majority Text 90% or more. The K<sup>r</sup>, M, Λ, and Π groups had essentially no manuscripts that agreed less than 90% with the Majority Text, while the B and 1 groups had no manuscripts that agreed with the Majority Text as much as 90%. Some of the other groups were represented by only a

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<sup>24</sup> Text und Textwert, Volume 3.1. Most were taken from Table 2.1, pp. 7-12, but some needed to be calculated from Table 3, pp. 40-545.

single manuscript (for example, groups 16, 1167, and 1519), too few to determine a trend. But the K<sup>x</sup>, K<sup>x</sup> mixed, and Mixed groups displayed a broader spread in agreement with the Majority Text.

Another way of looking at this is to use the Luke CPM results to group the manuscripts with the highest proportion of agreement to the Majority Text. In the Luke Text und Textwert volume, there are 224 manuscripts that agree with the Majority Text less than 90%, 102 of which agree less than 85%. Table 2.5 places these 224 manuscripts in the CPM groups displayed in Table 2.3, one column for the manuscripts that agree less than 85% with the Majority Text, then supplemented by a column that adds the manuscripts that agree with the Majority Text between 85-90%. Although the TuT and CPM results are based on different data and methods, this fairly illustrates that a selection of manuscripts agreeing 85% with the Majority Text clearly represents the most divergent groups, but that a further selection of manuscripts agreeing more closely with the Majority Text allows a representation of less divergent groups.<sup>25</sup>

Clearly a selection of manuscripts that agree highly with the Majority Text is needed to represent the large set of more uniform manuscripts that are generally called the Byzantine tradition, such as the CPM groups K<sup>r</sup>, M,

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<sup>25</sup> Table 2.5 appends the letter “p” to a manuscript name if it appears more than once in the table, that is, if it was determined to belong to different groups in different chapters by the CPM.

and  $\Pi$  in Luke. A relatively small set of the most divergent manuscripts, less than 10% of the total manuscripts, will already delineate the groups of the broader tradition. As we add more manuscripts to the sample, our ability to distinguish less divergent groups will increase. The Claremont Profile Method adds to our theory by showing that the least divergent groups, which necessarily are closest to the Majority Text and necessarily cannot add many new readings, are distinguished as groups not by unique readings but by their profile of support for readings that are mostly evident from the rest of the tradition. Adding additional manuscripts from the majority tradition will inform our classification of the manuscripts, but in the apparatus will primarily only show which of the Majority Text subgroups support the non-Majority Text reading. Thus, both for distinguishing groups of manuscripts and representing them within the critical apparatus, the maximum benefit will come from adding manuscripts that are most divergent from the majority of other manuscripts. The benefit will continue but diminish as less divergent manuscripts are added. From a practical standpoint, including a small set of the Majority Text manuscripts and 5-10% of the most divergent manuscripts will provide a representative selection of groups for the apparatus; adding additional manuscripts then becomes a resource and cost/benefit issue.

Table 2.5. CPM groups in Luke populated by manuscripts that agree with the Majority Text less than 90% as determined by the *Text und Textwert* Method.

Group	Subgroup	Text und Textwert mss with < 85% agreement with MT	Text und Textwert mss with 85-90% agreement with MT
B (03)		01, 03, 05, 032p, 040p, 044p, 019, 33, 157p, 579, 700p, 892, 1241, 1342p	565p
K <sup>r</sup>			
K <sup>x</sup>		027p, 032p, 0211p, 79p, 157p, 427p, 700p, 702p, 1342p, 2610, 2691p, 2697	176p, 179p, 416p, 565p, 652p, 683p, 690, 801p, 996p, 1124, 1166p, 1211p, 1273p, 1291, 1309, 1314p, 1350, 1377, 1481p, 1505p, 1542p, 1669p, 1797p, 2177, 2518p, 2634p, 2693p, 2752 71, 692, 1626, 1663p, 2705
M (021)	M27		
	CI M10		
	CI M350		
	CI M609		1047
	CI M1386		1237
	M106		776, 1356, 2613
	CI M159		
	CI M349		
	CI M651		
	CI M1195		
	CI M1326		1326
	CI M1402		1204
Λ (039)			166, 2585p
Π (041)	Π <sup>a</sup>	02, 2411	041, 114, 652p, 1048p, 1079, 1663p, 2324, 2517
	Π <sup>b</sup>	1420	1273p
	CI Π6		
	CI Π171		
	CI Π200		
	CI Π266		
	CI Π268		
	CI Π278		
	CI Π473		
	CI Π1441		1441
1		1, 118, 131, 205, 209, 1582, 2542p	
13		13, 69, 124, 346, 543, 788, 826, 828, 983	
16			
22	22a	697, 791, 1365, 2372	660, 1005, 1278
	22b	22, 1210	



Group	Subgroup	Text und Textwert mss with < 85% agreement with MT	Text und Textwert mss with 85-90% agreement with MT
291			
1167			
1216		348, 1279, 1579	152, 184, 513p, 555, 752, 829, 1216, 2726
1519			871, 1211p, 1481p, 1519
Non-K <sup>x</sup> clusters		517, 856, 968, 1012, 1229, 1424, 1451, 1593, 1675, 2487	251, 343p, 494p, 716, 827, 1446, 1457, 1531, 1665, 2291, 2528, 2693p, 2766p
Non-K <sup>x</sup> pairs			
Mixed text		04, 022, 026, 027p, 032p, 033, 038, 044p, 0211p, 79, 157p, 213, 382, 427p, 472p, 700p, 713p, 792, 1071, 1230, 1253, 1337p, 1342p, 1574, 1647p, 2542p, 2680p	024, 176p, 179p, 372, 683p, 1009p, 1048p, 1166p, 1273p, 1325p, 1542p, 1604p, 1692p, 1797p, 2546p, 2561p
K <sup>x</sup> mixed text		040p, 044p, 0211p, 427p, 472p, 702p, 713p, 1337p, 1647p, 2680, 2691p	09, 343p, 416p, 494p, 513p, 794, 801p, 996p, 1009p, 1314p, 1325p, 1481p, 1505p, 1604p, 1661, 1669p, 1692p, 1797p, 2518p, 2546p, 2561p, 2634p, 2766p
Not profiled		P3, P4, P45, P75, 029, 070, 079, 0102, 0115, 0135, 0291, 339, 589, 735, 740, 846, 881, 1016, 1263, 1612, 1627, 1814, 2193, 2551, 2786	85, 222, 233, 313, 362, 370, 379, 426, 434, 732, 749, 772, 853, 859, 863, 878, 979, 982, 1000, 1064, 1098, 1129, 1139, 1262, 1506, 1616, 1822, 1901, 2223(?), 2236, 2422, 2446, 2606, 2718, 2737, 2779, 2796

## **Chapter 3**

### **The Manuscripts and Apparatus of John 18**

This chapter lists the Greek continuous text manuscripts of the Gospel of John and describes the collection and organization of their text in chapter 18.

#### ***The Manuscripts***

There are some 2022 Greek continuous text manuscripts of the Gospel of John. The intention of this study was to include every manuscript whose text could be obtained. A division of labor within the IGNTP had assigned the papyri and majuscule manuscripts to the British Committee and the minuscule manuscripts to the North American Committee. The 23 of 27 papyri manuscripts known at the time were completed and published by Bill Elliott and David Parker in 1995, and the 79 majuscules were completed and published by Ulrich Schmid, Bill Elliott, and David Parker in 2007.

The North American committee work on the minuscules began in earnest in 1989. Initial collations of minuscules of John began in the 1960's, as the work on the minuscules for the Luke volume drew to an end, and continued into the 1970's and 1980's, but only a couple dozen had been completed by the time the North American committee was reconstituted

in 1986 for work on John. In 1989, Paul McReynolds proposed to the committee that the plan followed for Luke be adopted for the minuscules of John. A set of minuscules representing some major groups found in Luke was selected, and volunteers, primarily from the SBL New Testament Textual Criticism (NTTC) section, were solicited to collate chapters 4, 10, and 18. Over the course of the next year, McReynolds and I collected the collations, formed variation units, and began profiling groups according to the Claremont Profile Method. Tentative groups were presented to the North American committee in 1990, and at an SBL NTTC session in 1991. Though far from complete, data from about 120 manuscripts tentatively demonstrated that some clear group profiles could be formed in three chapters of John.

Throughout the remainder of the 1990's, the work continued steadily, though at a pace that would not bring conclusion. Some volunteers from the 1990 effort continued, new volunteers were added, and two small SBL grants allowed a student to be paid to collate, and full collations from an average of about a dozen manuscripts a year were completed. In addition, occasional collations of only chapters 4, 10, and 18 were contributed. A few dedicated volunteers regularly completed one to five collations a year, while the other collations were contributed by a rotating cast of additional volunteers, primarily interested faculty members and volunteers they recruited, usually their current or former students. The

pace was slow, and no plan was in place to access the large majority of the manuscripts which were not available within North America.

The situation changed completely in 2000 with the initiation of the Principio Project at the University of Birmingham.<sup>1</sup> First, Principio provided funding for completing work on the majuscule manuscripts for the whole of John. Second, the collaboration between the INTF and IGNTF was institutionalized, and began to be formalized. The immediate result was that the INTF would provide its data for John 1-10, and the IGNTF would continue only with John 18. Third, Principio provided support for completing the minuscule manuscripts in John 18.

Volunteer work continued for the IGNTF in North America. But in a massive effort, including access to the manuscripts in the INTF collection, the Principio Team completed reading the minuscule manuscripts for John 18 within its three year term.

There are a total of 2022 manuscripts containing continuous text of the Gospel of John; 49 of these manuscripts are supplemented in John 1-10 and/or 18, giving a total of 2071 manuscript units. These manuscripts are listed in Table 3.1. Each supplement to a manuscript is listed separately from its host manuscript, adding an "s" suffix to its host

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<sup>1</sup> David C. Parker, "The Principio Project: A Reconstruction of the Johannine Tradition."

manuscript's name. Following each manuscript name is an indication of the text's availability for the John 1-10 test passages and the John 18 passages using the following symbols, shown with their meanings:

(1): lost

(2): destroyed

(3): no photos available

(4): no continuous text

(5): illegible

(6): manuscript is lost or destroyed, but photos are available

(-): defective (or not applicable, in the case of a supplement)

For John 1-10, 1785 manuscript units are extant in at least one of the test passages (1763 initial manuscripts, 21 of which have additional supplements, and one supplement only). For John 18, the text was inaccessible for 147 manuscripts or supplements, and defective for an additional 265 manuscript units, thus could be cited at least partially in 1659 manuscript units, representing 1624 initial manuscripts, 14 of which additionally have supplements, and 21 supplements only (without any text from their host manuscript).

The loss of John 18 text from 265 manuscripts is an unfortunately high loss rate, especially compared to John 1-10. The end of a book was more likely to be lost over time, and John 18 had a double jeopardy, with

chapter 18 being near the end of John, and John often being the last book in the collection of Gospels in a codex.

The manuscripts whose text could not be obtained for this study are primarily those without photographs available, and for which we were unable to visit the holding institution. Most of these have been unavailable for other studies, and their text is not known. Thus there was no discernible bias from the manuscripts not included in this study.

Table 3.1: Greek continuous text manuscripts of the Gospel of John

Ms	Jn 1-10	Jn 18
P2	(-)	(-)
P5		(-)
P6	(-)	(-)
P22	(-)	(-)
P28		(-)
P36		(-)
P39		(-)
P44A	(-)	(-)
P44B	(-)	(-)
P45		(-)
P52	(-)	
P55		(-)
P59	(-)	
P60	(-)	
P63		(-)
P66		
P75		(-)
P76	(-)	(-)
P80	(-)	(-)
P84	(-)	(-)
P90	(-)	
P93	(-)	(-)
P95		(-)
P106		(-)
P107	(-)	(-)
P108	(-)	
P109	(-)	(-)
01		
02		
03		

Ms	Jn 1-10	Jn 18
04		
05		
05s	(-)	
07		
09		(-)
011		
011s	(-)	
013		
017		
019		
021		
022		
024		(-)
026	(-)	(-)
028		
029		(-)
030		
031		(-)
031s		
032		
032s		(-)
033		
033s		(-)
034		
036		
037		
038		
039		
041		
044		

Ms	Jn 1-10	Jn 18
045		
047		
050		(-)
054	(-)	
055	(4)	(4)
060	(-)	(-)
063		(-)
065	(-)	(-)
068	(-)	(-)
070		(-)
078		(-)
083		(-)
086		(-)
087	(-)	
091		(-)
0101		(-)
0105		(-)
0109	(-)	
0127		(-)
0141		
0145	(-)	(-)
0162		(-)
0210		(-)
0211		
0216	(-)	(-)
0217	(-)	(-)
0218	(-)	(-)
0233		(-)
0234	(1)	(-)
0238	(-)	(-)

Ms	Jn 1-10	Jn 18
0250		(4)
0256	(-)	(-)
0258		(-)
0260	(-)	(-)
0264	(-)	(-)
0268	(-)	(-)
0273		(-)
0286		(-)
0287		(-)
0290	(-)	
0299	(-)	(-)
0301	(-)	(-)
0302		(-)
0306		(-)
0309	(-)	(-)
0314	(-)	(-)
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		

Ms	Jn 1-10	Jn 18
15		
16		
17		
18		
19		
20		
21		
22		
23		
24		
25		(-)
26		
27		
27s	(-)	
28		
29		
30		
31		
32		
33		
34		
35		
36		
37		
38		
39		
40		
43		
44		
45		
46		
47		
48		
49		
50		(-)
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52		
53		
54		
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57		
58		
59		
60		
61		
63		
64		
65		
66		
67		(-)
68		
69		

Ms	Jn 1-10	Jn 18
70		
71		
72		
73		
74		
75		
76		
77		
78		
79		
80		
83		
85		(-)
86		
87		
89		
90		
95		
96		
98		
100		
105		
106		
107		
108		
109		
111		
112		
113		
114		
115		(-)
116		
117		
118		(-)
118s	(-)	
119		
120		
121		
122		
123		
124		
125		
126		
127		
128		
129		
130		
131		
132		
133		
134		
135		
137		

Ms	Jn 1-10	Jn 18
138		
139		
140		
141		
142		
143		
144		(-)
144s		
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147		
148		
149		
150		
151		
152		
153		
154		
155		
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157		
158		
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160		
161		(-)
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166		
167		
168		
169		
170		
171		
173		(-)
174		(-)
175		
176		(-)
178		
179		
179s	(-)	
180		
182		
183		
184		
185		
186		
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189		
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191		
192		

Ms	Jn 1-10	Jn 18
193		
194		
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205		
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208		
209		
210		
211		
212		
213		
214		
215		
217		
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219		
220		
222		(-)
225		
226		
227		
228		
229		
230		
231		
232		
233		
234		
235		
236		(-)
237		
238	(3)	(3)
239		
240		
241	(1)	(1)
242	(3)	(3)
244		
245		
246		
247		
248		
249		(-)
251		
252	(3)	(3)
253	(1)	(1)
258	(2)	(2)

Ms	Jn 1-10	Jn 18
259		
260		
261		
262		
263		
264		
265		
266		
267		
268		
269		
270		
271		
272		
273		(-)
273s	(-)	
274		
274s		
275		
276		
277		
278		
279		
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Ms	Jn 1-10	Jn 18
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344s		
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Ms	Jn 1-10	Jn 18
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Ms	Jn 1-10	Jn 18
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Ms	Jn 1-10	Jn 18
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Ms	Jn 1-10	Jn 18
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Ms	Jn 1-10	Jn 18
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Ms	Jn 1-10	Jn 18
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851	(6)	(6)
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967		(-)
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985	(3)	(-)
986		
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987s	(-)	
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1007		
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Ms	Jn 1-10	Jn 18
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1052s		(-)
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1054s		
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1055s		(-)
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Ms	Jn 1-10	Jn 18
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Ms	Jn 1-10	Jn 18
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1172s	(-)	
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Ms	Jn 1-10	Jn 18
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1200s	(-)	
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Ms	Jn 1-10	Jn 18
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1258	(3)	(3)
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1284	(-)	(-)
1285		
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Ms	Jn 1-10	Jn 18
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Ms	Jn 1-10	Jn 18
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Ms	Jn 1-10	Jn 18
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Ms	Jn 1-10	Jn 18
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Ms	Jn 1-10	Jn 18
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Ms	Jn 1-10	Jn 18
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Ms	Jn 1-10	Jn 18
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1711	(3)	(3)

Ms	Jn 1-10	Jn 18
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1784s	(-)	
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1808		
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1811	(1)	(1)
1812	(3)	(3)
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Ms	Jn 1-10	Jn 18
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2203		(-)
2204		
2206		
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Ms	Jn 1-10	Jn 18
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2213		
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2215		
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2246	(3)	(-)
2247	(3)	
2249		
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2253	(3)	
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Ms	Jn 1-10	Jn 18
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2323		
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2328		
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2382		
2383		(-)
2385	(5)	(5)

Ms	Jn 1-10	Jn 18
2386		
2387		
2388		
2389		
2392		(-)
2394		
2395	(3)	(3)
2396		
2397		
2398		
2399		
2400		
2404		
2405		
2406		
2407		
2411		
2414		
2415		
2418		
2420		
2421	(-)	(-)
2422		
2426		
2430		
2437		
2439		
2442		
2444		
2445		(-)
2446		
2451		
2452		
2453	(4)	(4)
2454		
2455		(-)
2456	(3)	(3)
2457		(-)
2458		
2459		(-)
2460		
2462		
2463		
2465		
2466		
2467		
2469	(3)	(3)
2470		
2471		
2472		
2474		
2475		
2476		

Ms	Jn 1-10	Jn 18
2477		(-)
2478		
2479		
2480	(4)	(4)
2482		
2483		
2487		
2490		
2492		
2494		
2495		
2496		
2497		
2498	(3)	(3)
2499		
2500		
2502		
2503		
2507		
2508		
2509		
2510		
2511		
2512	(3)	(3)
2513	(3)	(3)
2514	(3)	
2515		
2516		
2517		
2518		
2519		(-)
2520		
2521		
2522		
2523		
2524		
2525		
2526		
2528		
2529		
2530		
2531	(-)	(-)
2533	(6)	(6)
2535		
2539		(-)
2540		(-)
2543	(-)	(-)
2545		
2546		
2547		(-)
2549		
2550		
2551		(-)

Ms	Jn 1-10	Jn 18
2552		(-)
2553	(-)	(-)
2554		
2555		
2559		
2561		
2562		
2563		
2567		
2569		(-)
2571		
2573		
2575		
2578		(-)
2584		
2584s		(-)
2585		(-)
2586		
2590		
2591		
2592		
2598		
2600		(-)
2603		
2604		
2605		
2606		
2608		
2610		(-)
2611	(3)	
2612		
2613		
2614		(-)
2615		
2616		
2620		
2621		
2622		
2623		
2624		
2630	(3)	(3)
2632		
2633		
2634		
2635		
2636		
2637		
2641	(3)	
2642	(3)	(-)
2643	(3)	
2644	(3)	(-)
2645		
2646		(-)

Ms	Jn 1-10	Jn 18
2647		(-)
2649		
2650		
2651		(5)
2653		
2656		
2658		
2660		
2661		
2665		
2666		
2670		
2673		
2676		
2678	(5)	(5)
2679		
2679s	(-)	
2680		
2682		(-)
2683		(-)
2684		
2685		
2686		
2687		
2688		(-)
2689		
2691		
2692		
2693		(-)
2693s	(-)	
2694		
2695		
2697	(2)	(-)
2701		
2702		
2703		
2705		
2706		
2707		
2708		
2709		
2710		
2711		
2713		
2714		
2715		
2717	(-)	
2718		
2719	(3)	(5)
2720	(3)	(3)
2721		
2722		
2724		

Ms	Jn 1-10	Jn 18
2725		
2726		
2727		
2728		
2729		(-)
2730		
2732		
2734	(5)	(3)
2735		
2737		
2745		(-)
2747		
2748		(-)
2749		
2750		
2751		(-)
2752		(-)
2754		
2756		
2757		
2758	(3)	(-)
2758s	(3)	
2760		
2761		(-)
2762		(-)
2763		(-)
2765		
2766		
2767		
2768		
2771	(1)	(1)
2773		
2774		
2775		(-)
2775s	(-)	
2779		
2780		(-)
2781		(-)
2782		
2783		
2786	(6)	(6)
2787		(-)
2788		(-)
2788s	(-)	
2789		(-)
2790		(-)
2791		(-)
2794		
2801		(-)
2803	(3)	(3)
2804		
2806		
2808		

Ms	Jn 1-10	Jn 18
2809		
2810		
2811		(-)
2812		
2813		
2828	(-)	(-)
2831		(-)
2844	(-)	(-)
2854	(3)	(3)
2856	(3)	
2857	(3)	(3)
2860		
2861	(3)	(-)
2862	(3)	(3)
2863	(3)	
2867	(3)	(-)
2868	(3)	
2869	(3)	(3)
2870	(3)	(3)
2871	(3)	(3)
2872	(3)	(3)
2873	(3)	(3)
2874	(3)	(3)
2875	(3)	(3)
2876	(3)	(3)
2877	(3)	(3)
2879	(3)	(3)
2880	(3)	(-)
2884	(3)	
2885	(3)	(3)
2886	(3)	
2887	(3)	(3)
2894	(3)	
2895	(3)	(3)
2897	(3)	
2898	(3)	(3)
2900	(3)	
2901	(3)	(-)
2902	(3)	
2905	(3)	
2906	(3)	(3)
2907	(3)	
2992	(3)	



## ***The Variation Units***

A foundation of comparative research, especially for quantitative comparisons, is that there is a definable unit upon which a comparison may be based. The concept is simple, but the definition for texts is not. Terms often used in comparing the texts of manuscripts include variation unit, variant passage, variant reading, variant, reading, and error.<sup>1</sup> Without an illusion of settling terminological issues, I am adopting a pragmatic approach focusing on defining a comparable unit, though I will use traditional terms rather than “comparable unit”. Note that the unit for a comparative study may not be the same unit chosen for other uses.

A variation unit is defined as the unit of text upon which manuscripts are counted as having a single agreement or disagreement in text. Although it may be of interest to calculate the amount of text that any set of manuscripts has in common, text where all manuscripts agree is not counted to assess manuscript relationships. Thus the variation unit by name and by use necessarily involves text with variants.

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<sup>1</sup> There is an extensive literature on these terms and their usage. As will be evident, I am particularly indebted to discussions in the following: D. C. Parker, *New Testament Manuscripts and Their Texts*, pp. 4-5, 159; ECM James Text volume, pp. 16\*-17\*; Ernest C. Colwell, *Method in Classifying and Evaluating Variant Readings*; Eldon J. Epp, *Toward the Clarification of the Term “Textual Variant”*; and Eldon J. Epp, *It’s All about Variants*. There are other valuable concepts described by terms such as significant, accidental, meaningful, and intentional that overlap but generally refer to other characteristics of texts.

There are multiple factors which affect the definition of the variation unit. At one extreme, the entire text could be considered the single unit, resulting only in the determination of which manuscripts are identical. That approach offers no advantage, since the same determination of “identicalness” plus more refined determinations can be made by dividing the text into multiple units. At the other extreme, each word of the text could be considered a unit. While this approach may be considered unbiased or more objective, it is impractical both in practice and in sense.

Similarly, the variation units established for the purpose of counting the agreement between manuscripts may be different than the units attested in a textual apparatus; for example, the apparatus often has a goal of being compact, thus presents the variants in the shortest units possible.

Previous volumes in the *Text und Textwert* series were based on a series of variation units, or test passages, distributed throughout a text and selected on the basis of prior knowledge that there was a split in evidence among text forms. Manuscripts were collated and tabulated for all readings found within the preselected variation units. This study differs in that manuscripts were read for an entire text, John 18, and variation units were formed from the total variation among the manuscripts.

The primary method used to form variation units was to divide the text into genealogical sense units. The term “genealogical” is complex, but is used here to indicate that the purpose of each variation unit, and the collection of all units, is to set out the text at each level that accounts for all variant text underneath it. For any given unit, the success in achieving this purpose may be more or less attained, but that is inherent in the genealogical description of a relatively sparsely attested tradition, due to inadequate, missing, or misunderstood transmissional data. Success may be complete, setting out the parental text at each level, but may also be incomplete, setting out the text at only some levels.

The apparatus of the *Editio Critica Maior* is constructed to display the individual variation units with readings ordered by the similarity of their text. Each individual unit is also used as the basis for counting a single agreement or disagreement among manuscripts, and the set of units is used for assessing manuscript relationships using quantitative methods. The set of units is also used for the Coherence-Based Genealogical Method,<sup>2</sup> which will also be applied in the future to the full John data. Thus several principles and definitions from the ECM apparatus, as described below, have been used for constructing variation units for the John 18 data.

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<sup>2</sup> For the Coherence-Based Genealogical Method (CBGM), see Gerd Mink “CBGM”, “Problems of a highly contaminated tradition”, and “Contamination, Coherence, and Coincidence in Textual Transmission”, and Klaus Wachtel “Conclusions” in the List of References.

Defining the variation units is not necessarily tied to an analysis method, but it would be instructive to consider one methodological issue now. The genealogical approach has often been criticized for the inability to resolve between branches of the text with equivalent familial support. For New Testament texts, this is not as big a problem as might be supposed because in many cases there is little disagreement about which reading generated the other, and even rarer agreement on there being equivalent familial support. Even when the decision between two branches cannot be made, applying a genealogical approach to the variation unit generally allows other branches to be resolved, both helping the overall goal of understanding the history of the text and providing evidence for familial relationships that can be used to assess inconclusive branches. Furthermore, the evaluation of the lineage of readings within a variation unit is not tied to any method, but can apply any of the many proposed internal and external criteria.

Colwell<sup>3</sup> described the variation unit as a combination of features of the text and the empirical observation of what occurs in the witnesses. Certain grammatical constructions simply exist together and should be included in the same variation unit. These would include the gender, case and number of articles and nouns and adjectives and nouns, subject-verb

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<sup>3</sup> Evaluating Variant Readings, p. 99.

number agreement, and word order with postpositive conjunctions. Other sets of words belong in same variation unit simply because the manuscripts attest the variation of the words together. A clear case of this is the transposition of words, which also frequently involves the absence of one or both; this could be treated as two variation units of add/omit, but genealogically this would be one variation unit, where the different levels of text would include word order and the addition/omission/substitution of a word or words.

For the John 18 text, the variation units were established as follows: starting with the first word and continuing through the text, the manuscript evidence for variation in text was examined. If a single word stood alone, without a grammatical or variant connection to words before or after it, that is, if its variants could exist without affecting other words in the text, the word and its variants were considered a variation unit. If the word and its variants could not exist without affecting other words, or were connected with variants in other words by the manuscript evidence, then the connected words were joined into a single variation unit. This process was continued, working through the text until all text had been considered.<sup>4</sup>

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<sup>4</sup> This is a process which Klaus Wachtel, in private communication, termed 'as short as possible and as long as necessary'.

There were a few exceptions to this process, particularly involving overlapping variants. Overlapping variants involve multiple words, either an addition/omission or transposition of two or more words. For example, there were three manuscripts that did not include verse 2. That was considered its own variation unit, with three manuscripts against the rest of the extant tradition. Verse 2 was also divided into several other variation units to which those three manuscripts did not contribute evidence. There were other similar cases where an omission resulted in a text that was possible (or conversely the addition of those words made sense), but the other variation units that would be formed apart from the existence of that omission did not have an apparent connection to the omission. In most cases of transposition, the entire set of words contained in the transposition was considered one variation unit. But there were cases where a transposition overlapped with other variation units without any apparent connection. For example, in verse 8 one manuscript transposed the two sentences against the rest of the tradition, and there were numerous variants within each sentence. The singular transposition was considered its own variation unit, rather than forcing the combination of the other non-connected variation units that it overlapped.

Within a variation unit, each unique reading was given its own label, indicating that manuscripts sharing that reading would be counted as one

agreement and manuscripts not sharing a reading would be counted as one disagreement for the variation unit. As in the ECM apparatus, readings which were not grammatically correct or logically possible were considered errors. All errors were included in the apparatus. Within the apparatus, each error shared the label of the unique reading from which it could not be differentiated. If an error could be differentiated from more than one unique reading, it was labeled the same as a lacuna and manuscripts having that reading were not counted as agreeing or disagreeing with other manuscripts for that variation unit. For example, in verse 3, one manuscript deletes the participle, resulting in nonsense, but since there are two forms of the participle in other manuscripts, it cannot be determined from which form it is an error, thus it is not counted as agreeing or disagreeing with either.

The apparatus contains some sets of readings in the same format as variation units, but all readings have the same label, indicating that no counting of agreements or disagreements occurs. That is, all the readings printed in that unit are errors from the text. Such units are not variation units, but are included in order to present all errors in the apparatus.

Also as in the ECM apparatus, the remotest possibility of making sense qualified a reading as a variant. An example of this which occurred

several times is what would normally be considered an omission due to homoioteleuton. If the text could make sense with and without the words, the two readings were considered variants and formed a variation unit. Normally this was a unique variation unit, overlapping other variation units formed from the variants of words contained in the omission.

Some differences in text represent alternate spellings of the same word based on regional or time differences. Other alternate spellings are due to itacisms, which may themselves represent changes in spelling over time or simple misspellings caused by similar sounding combinations of letters. Although some such differences could represent genealogical variation, that possibility is confounded by the opportunity for a scribe to correct to a standard form of spelling, apart from the exemplar. On the other hand, other types of differences that might be expected to be corrected, such as nonsense readings, would be corrected to an exemplar or to a new but sensible reading, each of which would carry forward genealogical information. Thus most differences representing alternate spellings were suppressed in the apparatus in a process called 'regularization', that is, regularizing the spelling to that of the Nestle-Aland text.



There were three specific types of regularization applied to eliminate spelling differences, each adopted from the practice followed in the ECM<sup>5</sup>. First, the vowel interchanges αι-ε, ε-η, ει-η-υ-ι-οι, and ο-ω have been conformed to the Nestle-Aland text except in a few cases noted where the vowels represent distinct grammatical possibilities. Second, the interchange between single and double consonants and the movable nu have been conformed to the Nestle-Aland text. Third, abbreviations were expanded to form the fully spelled word of the Nestle-Aland text, notably for the *nomina sacra*. This practice of regularization reduces the number of possible variation units and the number of readings within variation units. The benefit of regularization is that agreement or disagreement among manuscripts is based on variants or their descendants that are expected to survive across generations of manuscript copying.

The results of the collection of the manuscripts' text, division into variation units, and regularization are presented in the apparatus in Appendix II. The apparatus is formatted similarly to previous Text und Textwert volumes.

As in previous volumes, for each variation unit the majority reading is labeled as reading 1, the reading of NA27 is labeled as reading 2, and if these two are identical the reading is labeled as reading 1/2. All other

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<sup>5</sup> ECM James Text volume, pp. 16\*-17\*.

readings are labeled with the number 3 or above. Subvariants of a main variant use the main variant's number with a supplementary letter, for example, 1A. A reading that is grammatically incorrect or logically impossible is labeled with the same number as the reading from which it erred, when it exists, but with a supplementary "-f" ("Fehler" or error), for example, 1-f, and 1-f1, 1-f2, etc. are used for multiple readings with errors. Similarly, two readings are given the same reading number when their only difference is an alternate but possible orthographical form(s), with one of the readings adding a supplementary "o" to the reading number, for example, 1-o. The label "W" is used as in the John 1-10 volume, to indicate a reading that could be identified with other extant readings, but because of a deficiency or error could not be identified with only one other extant reading. Where space allowed, the other possible reading numbers are added to the label W, for example, W1/2/5, which indicates that this could support readings 1, 2, or 5.

One significant change is introduced to the apparatus. Previous volumes presented a positive apparatus, that is, each manuscript was recorded for a variant at each variation unit (or subsumed under the BYZ symbol, representing the majority of manuscripts). For chapter 18, all differences were recorded and divided into appropriate variation units. However, some "variation units" have no variants, but only readings with errors. Furthermore, a majority of the true variation units have massive support

for the majority reading but only sparse support for other variants. Thus, only a minority of variation units have significant manuscript support spread over multiple variants. In order to represent all the manuscript readings in a reasonable number of pages, these three cases are presented differently from prior volumes.

The variation units are presented sequentially in the order of the NA27 text, separated by a horizontal line of equal signs ("="). The first line of each variation unit displays the chapter number followed by the verse and word number of the beginning word of the variation unit plus, if different, the ending verse and/or word number of the last word of the variation unit. (Note that words are numbered using increments of 2.) The true variation units, with at least two variants, are numbered sequentially from 1 to 395, with the number displayed before the chapter number. A negative apparatus is presented for all variation units, that is, displaying only those manuscripts that differ from reading 1, the reading of the majority of manuscripts, or are deficient. The unnumbered variation units, consisting only of errors with no variants, display only the manuscripts with errors. In all cases, the first hand and corrector of manuscripts with corrections are listed for the appropriate readings.

See Appendix II for the apparatus.

## Chapter 4

### Comparison of the Manuscripts

The comparison of manuscripts is presented in this chapter. Since this material is also being prepared as part 2 of the John *Text und Textwert* volume, the results will be presented in a very similar format to the series.

For each variation unit in John 18, conforming to the *Text und Textwert* practice, the majority reading is labeled as reading 1 and the reading of the Nestle-Aland 27<sup>th</sup> edition is labeled as reading 2; where these two are identical, the reading is labeled as reading 1/2.<sup>1</sup> Other readings are labeled with the numbers 3 and higher. Because of the nature of the textual tradition, this proves to be an ingenious system for building a selection of manuscripts to represent the tradition of the text.

The majority reading is not just the most common reading, but in almost all cases is the reading of the majority of the manuscripts.<sup>2</sup> In a tradition

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<sup>1</sup> The terms "majority reading" and "majority text" are defined as in the ECM James Text volume, p. 12\*: the majority text is the set of readings across variation units that is supported by the majority of manuscripts and thus is strictly a quantitative term, not referring to a form of text or a stage in the history of the text.

<sup>2</sup> Only one of the 153 test passages in John 1-10 has a reading labeled as reading 1, that is, the "majority" reading, that has the support of fewer than half of the manuscripts: in test passage 150, reading 1 is supported by the first hand of 533 of 1638 extant manuscripts. This characteristic is

where there were multiple well-attested options at each point of variation, we would have a rich field for tracing and determining groups of manuscripts. This is not the case for the extant New Testament Greek manuscript tradition, however, where almost every variation unit has a clear majority reading.

Furthermore, the majority reading is rarely just a simple majority, but is usually a large majority. As already seen in Chapter 3 for the John 18 data, a large majority of the manuscripts agreed on one reading in a large proportion of the variation units.<sup>3</sup> Another way of putting this is that the total variation within the manuscripts is relatively small, narrowing the opportunity to distinguish groups of manuscripts. This variation may, of course, be spread fairly evenly among the manuscripts, giving us the best chance of determining groups of manuscripts. However, to the extent that this variation is focused within some of the manuscripts, the other manuscripts will necessarily have less variation.

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evident for each New Testament book from the support shown for readings in each of the *Text und Textwert* volumes, which is particularly noteworthy since the range of manuscript support was a clear factor in the selection of the test passages. In John 18, where all textual variation is examined, all variation units have one true majority reading.

<sup>3</sup> In John 1-10, the majority reading had greater than 70% support in 149 of the 153 test passages (all but test passages 91, 100, 134, and 150), greater than 80% support in 141 test passages, greater than 90% support in 116 test passages, and greater than 95% support in 84, more than half of the test passages. The corresponding figures for the majority reading in the 395 passages in John 18 are: 387 at over 70%, 381 at over 80%, 370 at over 90%, and 354 at over 95% support.

The spread of variation among the manuscripts may be measured by calculating their proportion of agreement with a standard. A particularly objective measure is to count each manuscript's agreements with the majority text, as represented by the majority reading at each variation unit. Table 4.1 displays this count for each manuscript in the first column, showing the percentage and count of majority readings out of the total number of variation units for which the manuscript is extant.<sup>4</sup> The list of manuscripts is sorted from lowest to highest proportion of majority readings.

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<sup>4</sup> In keeping with the *Text und Textwert* series, Table 4.1 counts subvariants of the majority reading as equivalent to the majority reading, that is, subvariant readings labeled 1A, 1B, 1C, etc. are all counted as agreements with the majority reading labeled 1. Counts of agreements between pairs of manuscripts, as discussed below, will count subvariants as different from each other and from the main reading.

The heading of the first column is "Readings 1+1/2" because the majority reading is always labeled with a "1", which is supplemented to become "1/2" if it is also the NA27 reading. The remaining columns are as follows: "Readings 2+1/2" shows the percentage and count of NA27 readings (reading 2) out of the number of extant variation units from the total of 395. The majority and NA27 readings differ in 41 of the 395 variation units. The next two columns show the percentage and count of majority readings (Reading 1) and NA27 readings (Reading 2) out of the number of extant variation units from those 41. The last column shows the percentage and count of other readings (reading 3 or higher, that is, neither the majority nor the NA27 reading) out of the number of extant variation units from the total of 395.

Table 4.1: Counts and Percentages of Agreement with the Majority Text, NA27 Text, and Other Readings.

Readings 1+1/2	Ms	Readings 2+1/2	Reading 1	Reading 2	Other readings
84.0% (110/131)	05	86.3% (113/131)	20.0% (2/10)	50.0% (5/10)	12.2% (16/131)
84.6% (11/13)	P59	92.3% (12/13)	0.0% (0/2)	50.0% (1/2)	7.7% (1/13)
85.4% (169/198)	P66	89.9% (178/198)	6.3% (1/16)	62.5% (10/16)	9.6% (19/198)
87.1% (344/395)	01	90.1% (356/395)	26.8% (11/41)	56.1% (23/41)	7.1% (28/395)
87.3% (344/394)	2786	84.5% (333/394)	51.2% (21/41)	24.4% (10/41)	10.2% (40/394)
87.3% (345/395)	579s	88.9% (351/395)	31.7% (13/41)	46.3% (19/41)	7.8% (31/395)
88.7% (86/97)	0109	94.8% (92/97)	23.1% (3/13)	69.2% (9/13)	2.1% (2/97)
89.2% (148/166)	P60	91.6% (152/166)	23.5% (4/17)	47.1% (8/17)	6.0% (10/166)
89.4% (353/395)	03	97.7% (386/395)	4.9% (2/41)	85.4% (35/41)	1.8% (7/395)
89.9% (355/395)	032	91.6% (362/395)	31.7% (13/41)	48.8% (20/41)	5.1% (20/395)
90.3% (337/373)	1820	93.0% (347/373)	29.7% (11/37)	56.8% (21/37)	4.0% (15/373)
90.4% (356/394)	2129	91.6% (361/394)	34.1% (14/41)	46.3% (19/41)	4.8% (19/394)
90.4% (357/395)	019	95.9% (379/395)	22.0% (9/41)	75.6% (31/41)	1.8% (7/395)
90.4% (47/52)	087	86.5% (45/52)	50.0% (3/6)	16.7% (1/6)	7.7% (4/52)
90.6% (358/395)	865	92.9% (367/395)	34.1% (14/41)	56.1% (23/41)	3.5% (14/395)
90.9% (299/329)	04	94.5% (311/329)	23.5% (8/34)	58.8% (20/34)	3.0% (10/329)
90.9% (359/395)	1654	87.8% (347/395)	56.1% (23/41)	26.8% (11/41)	6.3% (25/395)
90.9% (40/44)	475s	90.9% (40/44)	25.0% (1/4)	25.0% (1/4)	6.8% (3/44)
91.1% (360/395)	033	92.7% (366/395)	39.0% (16/41)	53.7% (22/41)	3.3% (13/395)
91.1% (360/395)	1	90.9% (359/395)	46.3% (19/41)	43.9% (18/41)	4.3% (17/395)
91.1% (360/395)	69	88.4% (349/395)	51.2% (21/41)	24.4% (10/41)	6.3% (25/395)
91.3% (241/264)	05s	90.5% (239/264)	45.2% (14/31)	38.7% (12/31)	4.2% (11/264)
91.4% (360/394)	1582	91.1% (359/394)	46.3% (19/41)	43.9% (18/41)	4.1% (16/394)
91.4% (361/395)	213	91.4% (361/395)	46.3% (19/41)	46.3% (19/41)	3.8% (15/395)
91.5% (119/130)	2517	92.3% (120/130)	40.0% (6/15)	46.7% (7/15)	3.1% (4/130)
91.6% (360/393)	565	88.8% (349/393)	53.7% (22/41)	26.8% (11/41)	5.6% (22/393)
91.6% (360/393)	2561	87.5% (344/393)	60.0% (24/40)	20.0% (8/40)	6.4% (25/393)
91.6% (362/395)	1819	93.4% (369/395)	34.1% (14/41)	51.2% (21/41)	3.0% (12/395)
91.6% (362/395)	2766	85.1% (336/395)	70.7% (29/41)	7.3% (3/41)	7.6% (30/395)
91.9% (362/394)	205	89.6% (353/394)	53.7% (22/41)	31.7% (13/41)	4.8% (19/394)
91.9% (351/382)	168	85.6% (327/382)	67.5% (27/40)	7.5% (3/40)	7.3% (28/382)
91.9% (363/395)	13	88.1% (348/395)	61.0% (25/41)	24.4% (10/41)	5.6% (22/395)
92.1% (105/114)	892	86.0% (98/114)	69.2% (9/13)	15.4% (2/13)	6.1% (7/114)
92.1% (363/394)	788	89.1% (351/394)	56.1% (23/41)	26.8% (11/41)	5.1% (20/394)
92.2% (364/395)	022	89.1% (352/395)	53.7% (22/41)	24.4% (10/41)	5.3% (21/395)
92.2% (364/395)	124	88.4% (349/395)	61.0% (25/41)	24.4% (10/41)	5.3% (21/395)
92.2% (364/395)	357	89.1% (352/395)	58.5% (24/41)	29.3% (12/41)	4.8% (19/395)
92.4% (364/394)	2886	88.6% (349/394)	62.5% (25/40)	25.0% (10/40)	5.1% (20/394)
92.6% (361/390)	841	86.4% (337/390)	70.7% (29/41)	12.2% (5/41)	6.2% (24/390)
92.6% (364/393)	2148	86.3% (339/393)	70.0% (28/40)	7.5% (3/40)	6.6% (26/393)
92.6% (365/394)	138	89.8% (354/394)	57.5% (23/40)	30.0% (12/40)	4.3% (17/394)
92.7% (366/395)	209	90.1% (356/395)	56.1% (23/41)	31.7% (13/41)	4.1% (16/395)
92.7% (366/395)	1784s	88.9% (351/395)	63.4% (26/41)	26.8% (11/41)	4.6% (18/395)
92.7% (366/395)	2713	89.1% (352/395)	63.4% (26/41)	29.3% (12/41)	4.3% (17/395)
92.7% (366/395)	2718	88.4% (349/395)	63.4% (26/41)	22.0% (9/41)	5.1% (20/395)
92.7% (354/382)	2575	88.5% (338/382)	64.1% (25/39)	23.1% (9/39)	5.0% (19/382)
92.9% (367/395)	1689	87.6% (346/395)	65.9% (27/41)	14.6% (6/41)	5.6% (22/395)
92.9% (367/395)	1797	86.8% (343/395)	68.3% (28/41)	9.8% (4/41)	6.1% (24/395)
93.0% (53/57)	798	87.7% (50/57)	66.7% (4/6)	16.7% (1/6)	5.3% (3/57)
93.0% (334/359)	792	85.5% (307/359)	74.4% (29/39)	5.1% (2/39)	6.4% (23/359)
93.1% (362/389)	33	92.3% (359/389)	43.9% (18/41)	36.6% (15/41)	3.1% (12/389)

93.2% (368/395)	833	86.8% (343/395)	75.6% (31/41)	14.6% (6/41)	5.3% (21/395)
93.2% (368/395)	1321	92.2% (364/395)	51.2% (21/41)	41.5% (17/41)	2.5% (10/395)
93.2% (368/395)	2643	85.3% (337/395)	80.5% (33/41)	4.9% (2/41)	6.3% (25/395)
93.2% (368/395)	2680	86.8% (343/395)	75.6% (31/41)	14.6% (6/41)	5.3% (21/395)
93.2% (261/280)	731	85.7% (240/280)	75.0% (24/32)	9.4% (3/32)	5.7% (16/280)
93.2% (317/340)	772	86.2% (293/340)	80.0% (28/35)	11.4% (4/35)	5.6% (19/340)
93.4% (368/394)	1135	86.5% (341/394)	72.5% (29/40)	5.0% (2/40)	6.1% (24/394)
93.4% (369/395)	044	91.9% (363/395)	48.8% (20/41)	34.1% (14/41)	3.0% (12/395)
93.4% (369/395)	826	89.6% (354/395)	61.0% (25/41)	24.4% (10/41)	4.1% (16/395)
93.4% (369/395)	828	89.1% (352/395)	63.4% (26/41)	22.0% (9/41)	4.3% (17/395)
93.4% (369/395)	994	89.9% (355/395)	61.0% (25/41)	26.8% (11/41)	3.8% (15/395)
93.6% (366/391)	2192	85.9% (336/391)	82.5% (33/40)	7.5% (3/40)	5.6% (22/391)
93.6% (353/377)	733	86.2% (325/377)	77.5% (31/40)	7.5% (3/40)	5.6% (21/377)
93.6% (368/393)	0211	89.3% (351/393)	65.0% (26/40)	22.5% (9/40)	4.1% (16/393)
93.6% (368/393)	2206	87.5% (344/393)	73.2% (30/41)	14.6% (6/41)	4.8% (19/393)
93.7% (370/395)	543	89.6% (354/395)	63.4% (26/41)	24.4% (10/41)	3.8% (15/395)
93.7% (370/395)	732	88.1% (348/395)	70.7% (29/41)	17.1% (7/41)	4.6% (18/395)
93.7% (370/395)	744	87.1% (344/395)	78.0% (32/41)	14.6% (6/41)	4.8% (19/395)
93.7% (370/395)	1574	86.8% (343/395)	73.2% (30/41)	7.3% (3/41)	5.6% (22/395)
93.7% (370/395)	2702	88.6% (350/395)	68.3% (28/41)	19.5% (8/41)	4.3% (17/395)
93.8% (15/16)	P108	93.8% (15/16)	. % (0/0)	. % (0/0)	6.3% (1/16)
93.9% (367/391)	1424	86.4% (338/391)	82.9% (34/41)	12.2% (5/41)	4.9% (19/391)
93.9% (367/391)	1506	87.7% (343/391)	73.2% (30/41)	14.6% (6/41)	4.6% (18/391)
93.9% (367/391)	2810	85.7% (335/391)	87.5% (35/40)	7.5% (3/40)	5.4% (21/391)
93.9% (123/131)	011s	88.5% (116/131)	77.8% (7/9)	0.0% (0/9)	6.1% (8/131)
93.9% (370/394)	346	89.6% (353/394)	63.4% (26/41)	22.0% (9/41)	3.8% (15/394)
93.9% (371/395)	377	88.1% (348/395)	70.7% (29/41)	14.6% (6/41)	4.6% (18/395)
93.9% (371/395)	1001	90.1% (356/395)	58.5% (24/41)	22.0% (9/41)	3.8% (15/395)
93.9% (371/395)	1071	92.9% (367/395)	51.2% (21/41)	41.5% (17/41)	1.8% (7/395)
93.9% (371/395)	2311	85.8% (339/395)	82.9% (34/41)	4.9% (2/41)	5.6% (22/395)
94.0% (359/382)	1128	86.9% (332/382)	75.6% (31/41)	9.8% (4/41)	5.0% (19/382)
94.1% (368/391)	884	88.7% (347/391)	73.2% (30/41)	22.0% (9/41)	3.6% (14/391)
94.2% (372/395)	038	90.4% (357/395)	63.4% (26/41)	26.8% (11/41)	3.0% (12/395)
94.2% (372/395)	2106	87.3% (345/395)	68.3% (28/41)	2.4% (1/41)	5.6% (22/395)
94.2% (372/395)	2528	89.9% (355/395)	65.9% (27/41)	24.4% (10/41)	3.3% (13/395)
94.2% (372/395)	2684	90.4% (357/395)	63.4% (26/41)	26.8% (11/41)	3.0% (12/395)
94.3% (312/331)	472	87.0% (288/331)	82.4% (28/34)	11.8% (4/34)	4.5% (15/331)
94.3% (183/194)	1344	85.1% (165/194)	90.0% (18/20)	0.0% (0/20)	5.7% (11/194)
94.3% (350/371)	27s	89.2% (331/371)	65.8% (25/38)	15.8% (6/38)	4.0% (15/371)
94.4% (368/390)	1269	87.7% (342/390)	74.4% (29/39)	7.7% (3/39)	4.9% (19/390)
94.4% (286/303)	2188	88.1% (267/303)	72.4% (21/29)	6.9% (2/29)	5.0% (15/303)
94.4% (371/393)	741	87.5% (344/393)	78.0% (32/41)	12.2% (5/41)	4.3% (17/393)
94.4% (355/376)	2411	89.1% (335/376)	65.8% (25/38)	13.2% (5/38)	4.3% (16/376)
94.4% (373/395)	1534	86.1% (340/395)	85.4% (35/41)	4.9% (2/41)	5.1% (20/395)
94.4% (373/395)	2397	90.1% (356/395)	63.4% (26/41)	22.0% (9/41)	3.3% (13/395)
94.4% (17/18)	P52	100.0% (18/18)	0.0% (0/1)	100.0% (1/1)	0.0% (0/18)
94.5% (362/383)	154	86.7% (332/383)	82.5% (33/40)	7.5% (3/40)	4.7% (18/383)
94.6% (367/388)	974	91.2% (354/388)	58.5% (24/41)	26.8% (11/41)	2.6% (10/388)
94.6% (369/390)	1009	89.2% (348/390)	70.0% (28/40)	17.5% (7/40)	3.6% (14/390)
94.6% (371/392)	1335	85.7% (336/392)	92.5% (37/40)	5.0% (2/40)	4.8% (19/392)
94.7% (374/395)	48	89.1% (352/395)	68.3% (28/41)	14.6% (6/41)	3.8% (15/395)
94.7% (374/395)	508	88.4% (349/395)	73.2% (30/41)	12.2% (5/41)	4.1% (16/395)
94.7% (374/395)	544	88.9% (351/395)	65.9% (27/41)	9.8% (4/41)	4.3% (17/395)
94.7% (374/395)	1268	90.4% (357/395)	63.4% (26/41)	22.0% (9/41)	3.0% (12/395)
94.7% (374/395)	1319	89.1% (352/395)	68.3% (28/41)	14.6% (6/41)	3.8% (15/395)



94.8% (311/328)	1336	86.9% (285/328)	85.7% (30/35)	11.4% (4/35)	4.0% (13/328)
94.9% (369/389)	1021	86.6% (337/389)	85.0% (34/40)	5.0% (2/40)	4.6% (18/389)
94.9% (370/390)	780	89.7% (350/390)	70.0% (28/40)	20.0% (8/40)	3.1% (12/390)
94.9% (373/393)	1546	89.3% (351/393)	67.5% (27/40)	12.5% (5/40)	3.8% (15/393)
94.9% (374/394)	2252	90.6% (357/394)	62.5% (25/40)	20.0% (8/40)	3.0% (12/394)
94.9% (374/394)	2478	87.8% (346/394)	78.0% (32/41)	9.8% (4/41)	4.1% (16/394)
94.9% (375/395)	16	86.3% (341/395)	87.8% (36/41)	4.9% (2/41)	4.6% (18/395)
94.9% (375/395)	317	90.9% (359/395)	63.4% (26/41)	24.4% (10/41)	2.5% (10/395)
94.9% (375/395)	782	90.6% (358/395)	63.4% (26/41)	22.0% (9/41)	2.8% (11/395)
94.9% (375/395)	829	87.3% (345/395)	80.5% (33/41)	7.3% (3/41)	4.3% (17/395)
94.9% (375/395)	857	87.1% (344/395)	82.9% (34/41)	7.3% (3/41)	4.3% (17/395)
94.9% (375/395)	878	87.6% (346/395)	78.0% (32/41)	7.3% (3/41)	4.3% (17/395)
94.9% (375/395)	889	88.1% (348/395)	80.5% (33/41)	14.6% (6/41)	3.5% (14/395)
94.9% (375/395)	891	87.8% (347/395)	80.5% (33/41)	12.2% (5/41)	3.8% (15/395)
94.9% (375/395)	1006	91.6% (362/395)	58.5% (24/41)	26.8% (11/41)	2.3% (9/395)
94.9% (375/395)	1122	86.3% (341/395)	90.2% (37/41)	7.3% (3/41)	4.3% (17/395)
95.0% (209/220)	1182	88.6% (195/220)	80.0% (16/20)	10.0% (2/20)	4.1% (9/220)
95.1% (365/384)	903	85.9% (330/384)	90.0% (36/40)	2.5% (1/40)	4.7% (18/384)
95.1% (347/365)	1273	91.0% (332/365)	68.4% (26/38)	28.9% (11/38)	1.9% (7/365)
95.1% (372/391)	2524	90.8% (355/391)	65.9% (27/41)	24.4% (10/41)	2.3% (9/391)
95.2% (373/392)	1263	87.5% (343/392)	80.5% (33/41)	7.3% (3/41)	4.1% (16/392)
95.2% (375/394)	428	87.3% (344/394)	85.0% (34/40)	7.5% (3/40)	4.1% (16/394)
95.2% (375/394)	807	88.8% (350/394)	75.6% (31/41)	14.6% (6/41)	3.3% (13/394)
95.2% (375/394)	886	88.8% (350/394)	73.2% (30/41)	12.2% (5/41)	3.6% (14/394)
95.2% (375/394)	968	89.8% (354/394)	70.7% (29/41)	19.5% (8/41)	2.8% (11/394)
95.2% (375/394)	2223	87.8% (346/394)	82.5% (33/40)	10.0% (4/40)	3.8% (15/394)
95.2% (376/395)	368	88.6% (350/395)	78.0% (32/41)	14.6% (6/41)	3.3% (13/395)
95.2% (376/395)	423	89.9% (355/395)	68.3% (28/41)	17.1% (7/41)	3.0% (12/395)
95.2% (376/395)	817	86.8% (343/395)	87.8% (36/41)	7.3% (3/41)	4.1% (16/395)
95.2% (376/395)	861	90.9% (359/395)	65.9% (27/41)	24.4% (10/41)	2.3% (9/395)
95.2% (376/395)	2404	88.4% (349/395)	75.6% (31/41)	9.8% (4/41)	3.8% (15/395)
95.2% (376/395)	2546	88.6% (350/395)	78.0% (32/41)	14.6% (6/41)	3.3% (13/395)
95.2% (376/395)	2728	90.9% (359/395)	63.4% (26/41)	22.0% (9/41)	2.5% (10/395)
95.2% (179/188)	1571s	86.2% (162/188)	90.0% (18/20)	5.0% (1/20)	4.3% (8/188)
95.2% (220/231)	0290	91.8% (212/231)	60.9% (14/23)	26.1% (6/23)	2.2% (5/231)
95.2% (20/21)	781	90.5% (19/21)	50.0% (1/2)	0.0% (0/2)	4.8% (1/21)
95.3% (327/343)	2794	91.8% (315/343)	60.0% (21/35)	25.7% (9/35)	2.0% (7/343)
95.4% (333/349)	2452	87.4% (305/349)	82.4% (28/34)	0.0% (0/34)	4.6% (16/349)
95.4% (376/394)	389	89.3% (352/394)	65.9% (27/41)	7.3% (3/41)	3.8% (15/394)
95.4% (376/394)	679	87.6% (345/394)	82.9% (34/41)	7.3% (3/41)	3.8% (15/394)
95.4% (377/395)	02	92.2% (364/395)	63.4% (26/41)	31.7% (13/41)	1.3% (5/395)
95.4% (377/395)	397	89.9% (355/395)	70.7% (29/41)	17.1% (7/41)	2.8% (11/395)
95.4% (377/395)	525	88.1% (348/395)	82.9% (34/41)	12.2% (5/41)	3.3% (13/395)
95.4% (377/395)	581	88.6% (350/395)	75.6% (31/41)	9.8% (4/41)	3.5% (14/395)
95.4% (377/395)	595	88.4% (349/395)	75.6% (31/41)	7.3% (3/41)	3.8% (15/395)
95.4% (377/395)	713	91.6% (362/395)	63.4% (26/41)	26.8% (11/41)	1.8% (7/395)
95.4% (377/395)	799	90.9% (359/395)	68.3% (28/41)	24.4% (10/41)	2.0% (8/395)
95.4% (377/395)	1242	89.1% (352/395)	75.6% (31/41)	14.6% (6/41)	3.0% (12/395)
95.4% (377/395)	1262	87.3% (345/395)	87.8% (36/41)	9.8% (4/41)	3.5% (14/395)
95.4% (377/395)	1301	88.1% (348/395)	80.5% (33/41)	9.8% (4/41)	3.5% (14/395)
95.4% (377/395)	1431	90.1% (356/395)	65.9% (27/41)	14.6% (6/41)	3.0% (12/395)
95.4% (377/395)	1446	88.1% (348/395)	80.5% (33/41)	9.8% (4/41)	3.5% (14/395)
95.4% (377/395)	1627	89.4% (353/395)	70.7% (29/41)	12.2% (5/41)	3.3% (13/395)
95.4% (377/395)	2291	87.6% (346/395)	80.5% (33/41)	4.9% (2/41)	4.1% (16/395)
95.4% (377/395)	2661	89.1% (352/395)	75.6% (31/41)	14.6% (6/41)	3.0% (12/395)

95.5% (357/374)	729	86.9% (325/374)	85.0% (34/40)	5.0% (2/40)	4.0% (15/374)
95.5% (340/356)	2470	88.8% (316/356)	81.3% (26/32)	6.3% (2/32)	3.9% (14/356)
95.5% (365/382)	1663	86.6% (331/382)	85.4% (35/41)	2.4% (1/41)	4.2% (16/382)
95.6% (43/45)	731s	86.7% (39/45)	100.0% (4/4)	0.0% (0/4)	4.4% (2/45)
95.6% (373/390)	1261	87.4% (341/390)	85.0% (34/40)	5.0% (2/40)	3.8% (15/390)
95.7% (22/23)	27	87.0% (20/23)	66.7% (2/3)	0.0% (0/3)	4.3% (1/23)
95.7% (376/393)	054	90.3% (355/393)	68.3% (28/41)	17.1% (7/41)	2.5% (10/393)
95.7% (377/394)	352	90.9% (358/394)	67.5% (27/40)	20.0% (8/40)	2.3% (9/394)
95.7% (378/395)	037	89.9% (355/395)	75.6% (31/41)	19.5% (8/41)	2.3% (9/395)
95.7% (378/395)	4	87.3% (345/395)	85.4% (35/41)	4.9% (2/41)	3.8% (15/395)
95.7% (378/395)	169	87.3% (345/395)	85.4% (35/41)	4.9% (2/41)	3.8% (15/395)
95.7% (378/395)	182	87.3% (345/395)	85.4% (35/41)	4.9% (2/41)	3.8% (15/395)
95.7% (378/395)	217	88.9% (351/395)	75.6% (31/41)	9.8% (4/41)	3.3% (13/395)
95.7% (378/395)	299	90.6% (358/395)	65.9% (27/41)	17.1% (7/41)	2.5% (10/395)
95.7% (378/395)	315	88.9% (351/395)	80.5% (33/41)	14.6% (6/41)	2.8% (11/395)
95.7% (378/395)	492	87.8% (347/395)	82.9% (34/41)	7.3% (3/41)	3.5% (14/395)
95.7% (378/395)	574	88.6% (350/395)	78.0% (32/41)	9.8% (4/41)	3.3% (13/395)
95.7% (378/395)	706	88.1% (348/395)	82.9% (34/41)	9.8% (4/41)	3.3% (13/395)
95.7% (378/395)	723	87.1% (344/395)	87.8% (36/41)	4.9% (2/41)	3.8% (15/395)
95.7% (378/395)	747	87.3% (345/395)	82.9% (34/41)	2.4% (1/41)	4.1% (16/395)
95.7% (378/395)	752	87.8% (347/395)	82.9% (34/41)	7.3% (3/41)	3.5% (14/395)
95.7% (378/395)	818	88.1% (348/395)	82.9% (34/41)	9.8% (4/41)	3.3% (13/395)
95.7% (378/395)	1053	88.1% (348/395)	85.4% (35/41)	12.2% (5/41)	3.0% (12/395)
95.7% (378/395)	1082	88.4% (349/395)	80.5% (33/41)	9.8% (4/41)	3.3% (13/395)
95.7% (378/395)	1267	87.8% (347/395)	82.9% (34/41)	7.3% (3/41)	3.5% (14/395)
95.7% (378/395)	1272	89.4% (353/395)	70.7% (29/41)	9.8% (4/41)	3.3% (13/395)
95.7% (378/395)	1289	90.1% (356/395)	73.2% (30/41)	19.5% (8/41)	2.3% (9/395)
95.7% (378/395)	1342	89.4% (353/395)	78.0% (32/41)	17.1% (7/41)	2.5% (10/395)
95.7% (378/395)	1353	88.6% (350/395)	78.0% (32/41)	9.8% (4/41)	3.3% (13/395)
95.7% (378/395)	1398	89.6% (354/395)	73.2% (30/41)	14.6% (6/41)	2.8% (11/395)
95.7% (378/395)	1403	88.1% (348/395)	75.6% (31/41)	2.4% (1/41)	4.1% (16/395)
95.8% (365/381)	2185	87.1% (332/381)	89.7% (35/39)	5.1% (2/39)	3.7% (14/381)
95.8% (369/385)	1808	88.1% (339/385)	85.0% (34/40)	10.0% (4/40)	3.1% (12/385)
95.9% (373/389)	295	88.4% (344/389)	75.6% (31/41)	4.9% (2/41)	3.6% (14/389)
95.9% (375/391)	2422	88.0% (344/391)	84.6% (33/39)	5.1% (2/39)	3.6% (14/391)
95.9% (376/392)	2405	89.8% (352/392)	70.7% (29/41)	12.2% (5/41)	2.8% (11/392)
95.9% (376/392)	2900	87.5% (343/392)	89.7% (35/39)	5.1% (2/39)	3.6% (14/392)
95.9% (378/394)	1577	88.1% (347/394)	82.9% (34/41)	7.3% (3/41)	3.3% (13/394)
95.9% (378/394)	1676	91.6% (361/394)	65.0% (26/40)	22.5% (9/40)	1.8% (7/394)
95.9% (378/394)	2708	88.6% (349/394)	82.9% (34/41)	12.2% (5/41)	2.8% (11/394)
95.9% (142/148)	274s	86.5% (128/148)	88.9% (16/18)	11.1% (2/18)	2.7% (4/148)
95.9% (379/395)	56	86.6% (342/395)	92.7% (38/41)	2.4% (1/41)	3.8% (15/395)
95.9% (379/395)	175	89.6% (354/395)	70.7% (29/41)	9.8% (4/41)	3.0% (12/395)
95.9% (379/395)	273s	87.6% (346/395)	85.4% (35/41)	4.9% (2/41)	3.5% (14/395)
95.9% (379/395)	279	89.4% (353/395)	78.0% (32/41)	14.6% (6/41)	2.5% (10/395)
95.9% (379/395)	348	88.1% (348/395)	85.4% (35/41)	9.8% (4/41)	3.0% (12/395)
95.9% (379/395)	578	88.9% (351/395)	78.0% (32/41)	9.8% (4/41)	3.0% (12/395)
95.9% (379/395)	683	86.6% (342/395)	92.7% (38/41)	2.4% (1/41)	3.8% (15/395)
95.9% (379/395)	834	87.6% (346/395)	85.4% (35/41)	4.9% (2/41)	3.5% (14/395)
95.9% (379/395)	856	88.4% (349/395)	85.4% (35/41)	12.2% (5/41)	2.8% (11/395)
95.9% (379/395)	1043	88.6% (350/395)	82.9% (34/41)	12.2% (5/41)	2.8% (11/395)
95.9% (379/395)	1081	86.8% (343/395)	92.7% (38/41)	4.9% (2/41)	3.5% (14/395)
95.9% (379/395)	1093	88.4% (349/395)	82.9% (34/41)	9.8% (4/41)	3.0% (12/395)
95.9% (379/395)	1195	89.1% (352/395)	80.5% (33/41)	14.6% (6/41)	2.5% (10/395)
95.9% (379/395)	1303	89.1% (352/395)	80.5% (33/41)	14.6% (6/41)	2.5% (10/395)

95.9% (379/395)	1478s	88.6% (350/395)	82.9% (34/41)	12.2% (5/41)	2.8% (11/395)
95.9% (379/395)	1533	87.3% (345/395)	87.8% (36/41)	4.9% (2/41)	3.5% (14/395)
95.9% (379/395)	1536	87.3% (345/395)	87.8% (36/41)	4.9% (2/41)	3.5% (14/395)
95.9% (379/395)	2145	88.6% (350/395)	82.9% (34/41)	12.2% (5/41)	2.8% (11/395)
95.9% (379/395)	2605	87.3% (345/395)	87.8% (36/41)	4.9% (2/41)	3.5% (14/395)
95.9% (379/395)	2735	88.4% (349/395)	82.9% (34/41)	9.8% (4/41)	3.0% (12/395)
96.0% (238/248)	405	89.9% (223/248)	78.3% (18/23)	13.0% (3/23)	2.8% (7/248)
96.0% (24/25)	P90	96.0% (24/25)	. % (0/0)	. % (0/0)	4.0% (1/25)
96.1% (122/127)	370	89.0% (113/127)	84.6% (11/13)	15.4% (2/13)	2.4% (3/127)
96.1% (368/383)	445	86.9% (333/383)	92.5% (37/40)	5.0% (2/40)	3.4% (13/383)
96.1% (368/383)	1606	88.3% (338/383)	82.5% (33/40)	7.5% (3/40)	3.1% (12/383)
96.1% (271/282)	2372	90.8% (256/282)	71.4% (20/28)	17.9% (5/28)	2.1% (6/282)
96.1% (349/363)	79	89.0% (323/363)	81.1% (30/37)	10.8% (4/37)	2.8% (10/363)
96.1% (374/389)	345	90.0% (350/389)	74.4% (29/39)	12.8% (5/39)	2.6% (10/389)
96.1% (374/389)	743	88.7% (345/389)	84.6% (33/39)	10.3% (4/39)	2.8% (11/389)
96.2% (376/391)	440	88.5% (346/391)	80.5% (33/41)	7.3% (3/41)	3.1% (12/391)
96.2% (376/391)	1377	88.7% (347/391)	78.0% (32/41)	7.3% (3/41)	3.1% (12/391)
96.2% (378/393)	375	90.8% (357/393)	70.7% (29/41)	19.5% (8/41)	1.8% (7/393)
96.2% (378/393)	1200s	87.8% (345/393)	90.0% (36/40)	7.5% (3/40)	3.1% (12/393)
96.2% (379/394)	31	88.6% (349/394)	82.9% (34/41)	9.8% (4/41)	2.8% (11/394)
96.2% (379/394)	158	89.8% (354/394)	75.0% (30/40)	12.5% (5/40)	2.5% (10/394)
96.2% (379/394)	523	88.3% (348/394)	82.9% (34/41)	7.3% (3/41)	3.0% (12/394)
96.2% (379/394)	881	88.8% (350/394)	85.4% (35/41)	14.6% (6/41)	2.3% (9/394)
96.2% (379/394)	1060	87.3% (344/394)	87.8% (36/41)	2.4% (1/41)	3.6% (14/394)
96.2% (379/394)	1243	87.8% (346/394)	87.8% (36/41)	7.3% (3/41)	3.0% (12/394)
96.2% (379/394)	1393	88.1% (347/394)	82.9% (34/41)	4.9% (2/41)	3.3% (13/394)
96.2% (379/394)	1573	88.3% (348/394)	87.5% (35/40)	10.0% (4/40)	2.8% (11/394)
96.2% (379/394)	1593	89.8% (354/394)	75.0% (30/40)	12.5% (5/40)	2.5% (10/394)
96.2% (379/394)	1780	88.3% (348/394)	82.9% (34/41)	7.3% (3/41)	3.0% (12/394)
96.2% (278/289)	28	88.6% (256/289)	82.1% (23/28)	3.6% (1/28)	3.5% (10/289)
96.2% (354/368)	333	91.0% (335/368)	69.4% (25/36)	16.7% (6/36)	2.2% (8/368)
96.2% (380/395)	0141	90.6% (358/395)	70.7% (29/41)	17.1% (7/41)	2.0% (8/395)
96.2% (380/395)	58	87.3% (345/395)	90.2% (37/41)	4.9% (2/41)	3.3% (13/395)
96.2% (380/395)	114	90.1% (356/395)	70.7% (29/41)	12.2% (5/41)	2.5% (10/395)
96.2% (380/395)	119	87.6% (346/395)	87.8% (36/41)	4.9% (2/41)	3.3% (13/395)
96.2% (380/395)	157	89.1% (352/395)	80.5% (33/41)	12.2% (5/41)	2.5% (10/395)
96.2% (380/395)	228	89.1% (352/395)	80.5% (33/41)	12.2% (5/41)	2.5% (10/395)
96.2% (380/395)	264	89.1% (352/395)	78.0% (32/41)	9.8% (4/41)	2.8% (11/395)
96.2% (380/395)	270	89.6% (354/395)	73.2% (30/41)	9.8% (4/41)	2.8% (11/395)
96.2% (380/395)	422	88.1% (348/395)	82.9% (34/41)	4.9% (2/41)	3.3% (13/395)
96.2% (380/395)	477	87.8% (347/395)	87.8% (36/41)	7.3% (3/41)	3.0% (12/395)
96.2% (380/395)	482	89.9% (355/395)	73.2% (30/41)	12.2% (5/41)	2.5% (10/395)
96.2% (380/395)	489	90.1% (356/395)	70.7% (29/41)	12.2% (5/41)	2.5% (10/395)
96.2% (380/395)	519	87.3% (345/395)	87.8% (36/41)	2.4% (1/41)	3.5% (14/395)
96.2% (380/395)	555	87.6% (346/395)	87.8% (36/41)	4.9% (2/41)	3.3% (13/395)
96.2% (380/395)	562	88.9% (351/395)	80.5% (33/41)	9.8% (4/41)	2.8% (11/395)
96.2% (380/395)	569	88.1% (348/395)	82.9% (34/41)	4.9% (2/41)	3.3% (13/395)
96.2% (380/395)	684	87.8% (347/395)	85.4% (35/41)	4.9% (2/41)	3.3% (13/395)
96.2% (380/395)	697	90.1% (356/395)	75.6% (31/41)	17.1% (7/41)	2.0% (8/395)
96.2% (380/395)	784	88.1% (348/395)	82.9% (34/41)	4.9% (2/41)	3.3% (13/395)
96.2% (380/395)	809	89.1% (352/395)	80.5% (33/41)	12.2% (5/41)	2.5% (10/395)
96.2% (380/395)	821	90.4% (357/395)	70.7% (29/41)	14.6% (6/41)	2.3% (9/395)
96.2% (380/395)	827	88.1% (348/395)	85.4% (35/41)	7.3% (3/41)	3.0% (12/395)
96.2% (380/395)	855	88.1% (348/395)	82.9% (34/41)	4.9% (2/41)	3.3% (13/395)
96.2% (380/395)	874	87.8% (347/395)	87.8% (36/41)	7.3% (3/41)	3.0% (12/395)

96.2% (380/395)	992	88.6% (350/395)	80.5% (33/41)	7.3% (3/41)	3.0% (12/395)
96.2% (380/395)	1005	89.9% (355/395)	78.0% (32/41)	17.1% (7/41)	2.0% (8/395)
96.2% (380/395)	1079	90.4% (357/395)	70.7% (29/41)	14.6% (6/41)	2.3% (9/395)
96.2% (380/395)	1113	88.4% (349/395)	82.9% (34/41)	7.3% (3/41)	3.0% (12/395)
96.2% (380/395)	1160	87.8% (347/395)	87.8% (36/41)	7.3% (3/41)	3.0% (12/395)
96.2% (380/395)	1215	88.4% (349/395)	82.9% (34/41)	7.3% (3/41)	3.0% (12/395)
96.2% (380/395)	1219	90.6% (358/395)	68.3% (28/41)	14.6% (6/41)	2.3% (9/395)
96.2% (380/395)	1220	90.6% (358/395)	73.2% (30/41)	19.5% (8/41)	1.8% (7/395)
96.2% (380/395)	1256	88.4% (349/395)	85.4% (35/41)	9.8% (4/41)	2.8% (11/395)
96.2% (380/395)	1365	89.9% (355/395)	78.0% (32/41)	17.1% (7/41)	2.0% (8/395)
96.2% (380/395)	1413	88.1% (348/395)	82.9% (34/41)	4.9% (2/41)	3.3% (13/395)
96.2% (380/395)	1451	91.4% (361/395)	70.7% (29/41)	24.4% (10/41)	1.3% (5/395)
96.2% (380/395)	1458	88.6% (350/395)	80.5% (33/41)	7.3% (3/41)	3.0% (12/395)
96.2% (380/395)	1579	88.1% (348/395)	85.4% (35/41)	7.3% (3/41)	3.0% (12/395)
96.2% (380/395)	1666	89.1% (352/395)	80.5% (33/41)	12.2% (5/41)	2.5% (10/395)
96.2% (380/395)	1692	88.6% (350/395)	80.5% (33/41)	7.3% (3/41)	3.0% (12/395)
96.2% (380/395)	1802	88.4% (349/395)	85.4% (35/41)	9.8% (4/41)	2.8% (11/395)
96.2% (380/395)	1816	90.6% (358/395)	68.3% (28/41)	14.6% (6/41)	2.3% (9/395)
96.2% (380/395)	2127	89.1% (352/395)	75.6% (31/41)	7.3% (3/41)	3.0% (12/395)
96.2% (380/395)	2214	86.8% (343/395)	92.7% (38/41)	2.4% (1/41)	3.5% (14/395)
96.2% (380/395)	2608	88.1% (348/395)	82.9% (34/41)	4.9% (2/41)	3.3% (13/395)
96.2% (380/395)	2612	88.9% (351/395)	80.5% (33/41)	9.8% (4/41)	2.8% (11/395)
96.2% (380/395)	2620	88.4% (349/395)	85.4% (35/41)	9.8% (4/41)	2.8% (11/395)
96.2% (380/395)	2660	88.4% (349/395)	82.9% (34/41)	7.3% (3/41)	3.0% (12/395)
96.4% (376/390)	1677	87.7% (342/390)	90.0% (36/40)	5.0% (2/40)	3.1% (12/390)
96.4% (379/393)	365	89.3% (351/393)	80.0% (32/40)	10.0% (4/40)	2.5% (10/393)
96.4% (379/393)	1148	88.0% (346/393)	87.8% (36/41)	7.3% (3/41)	2.8% (11/393)
96.4% (380/394)	677	88.1% (347/394)	87.8% (36/41)	7.3% (3/41)	2.8% (11/394)
96.4% (380/394)	742	88.8% (350/394)	85.0% (34/40)	10.0% (4/40)	2.5% (10/394)
96.4% (380/394)	749	87.6% (345/394)	90.2% (37/41)	4.9% (2/41)	3.0% (12/394)
96.4% (380/394)	1567	87.8% (346/394)	82.9% (34/41)	0.0% (0/41)	3.6% (14/394)
96.4% (380/394)	1626	89.3% (352/394)	80.5% (33/41)	12.2% (5/41)	2.3% (9/394)
96.4% (380/394)	2705	88.6% (349/394)	82.9% (34/41)	7.3% (3/41)	2.8% (11/394)
96.4% (380/394)	2775s	88.3% (348/394)	87.5% (35/40)	7.5% (3/40)	2.8% (11/394)
96.5% (381/395)	47	87.6% (346/395)	90.2% (37/41)	4.9% (2/41)	3.0% (12/395)
96.5% (381/395)	54	88.1% (348/395)	85.4% (35/41)	4.9% (2/41)	3.0% (12/395)
96.5% (381/395)	61	87.3% (345/395)	90.2% (37/41)	2.4% (1/41)	3.3% (13/395)
96.5% (381/395)	71	88.4% (349/395)	82.9% (34/41)	4.9% (2/41)	3.0% (12/395)
96.5% (381/395)	86	87.8% (347/395)	85.4% (35/41)	2.4% (1/41)	3.3% (13/395)
96.5% (381/395)	106	89.9% (355/395)	80.5% (33/41)	17.1% (7/41)	1.8% (7/395)
96.5% (381/395)	180	88.1% (348/395)	87.8% (36/41)	7.3% (3/41)	2.8% (11/395)
96.5% (381/395)	191	88.4% (349/395)	85.4% (35/41)	7.3% (3/41)	2.8% (11/395)
96.5% (381/395)	233	90.4% (357/395)	75.6% (31/41)	17.1% (7/41)	1.8% (7/395)
96.5% (381/395)	296	89.4% (353/395)	80.5% (33/41)	12.2% (5/41)	2.3% (9/395)
96.5% (381/395)	331	90.1% (356/395)	75.6% (31/41)	14.6% (6/41)	2.0% (8/395)
96.5% (381/395)	494	88.4% (349/395)	82.9% (34/41)	4.9% (2/41)	3.0% (12/395)
96.5% (381/395)	513	87.8% (347/395)	90.2% (37/41)	7.3% (3/41)	2.8% (11/395)
96.5% (381/395)	686	88.1% (348/395)	87.8% (36/41)	7.3% (3/41)	2.8% (11/395)
96.5% (381/395)	699	90.4% (357/395)	73.2% (30/41)	14.6% (6/41)	2.0% (8/395)
96.5% (381/395)	715	88.9% (351/395)	82.9% (34/41)	9.8% (4/41)	2.5% (10/395)
96.5% (381/395)	835	87.6% (346/395)	90.2% (37/41)	4.9% (2/41)	3.0% (12/395)
96.5% (381/395)	858	88.4% (349/395)	85.4% (35/41)	7.3% (3/41)	2.8% (11/395)
96.5% (381/395)	873	89.9% (355/395)	78.0% (32/41)	14.6% (6/41)	2.0% (8/395)
96.5% (381/395)	883	88.9% (351/395)	82.9% (34/41)	9.8% (4/41)	2.5% (10/395)
96.5% (381/395)	905	89.6% (354/395)	78.0% (32/41)	12.2% (5/41)	2.3% (9/395)

96.5% (381/395)	977	88.1% (348/395)	87.8% (36/41)	7.3% (3/41)	2.8% (11/395)
96.5% (381/395)	982	88.1% (348/395)	82.9% (34/41)	2.4% (1/41)	3.3% (13/395)
96.5% (381/395)	1007	89.9% (355/395)	73.2% (30/41)	9.8% (4/41)	2.5% (10/395)
96.5% (381/395)	1011	89.4% (353/395)	75.6% (31/41)	7.3% (3/41)	2.8% (11/395)
96.5% (381/395)	1044	87.1% (344/395)	92.7% (38/41)	2.4% (1/41)	3.3% (13/395)
96.5% (381/395)	1087	88.1% (348/395)	85.4% (35/41)	4.9% (2/41)	3.0% (12/395)
96.5% (381/395)	1166	89.1% (352/395)	82.9% (34/41)	12.2% (5/41)	2.3% (9/395)
96.5% (381/395)	1239	88.1% (348/395)	87.8% (36/41)	7.3% (3/41)	2.8% (11/395)
96.5% (381/395)	1291	87.8% (347/395)	87.8% (36/41)	4.9% (2/41)	3.0% (12/395)
96.5% (381/395)	1294	87.8% (347/395)	87.8% (36/41)	4.9% (2/41)	3.0% (12/395)
96.5% (381/395)	1313	90.1% (356/395)	73.2% (30/41)	12.2% (5/41)	2.3% (9/395)
96.5% (381/395)	1325	87.8% (347/395)	87.8% (36/41)	4.9% (2/41)	3.0% (12/395)
96.5% (381/395)	1326	87.6% (346/395)	90.2% (37/41)	4.9% (2/41)	3.0% (12/395)
96.5% (381/395)	1375	89.4% (353/395)	80.5% (33/41)	12.2% (5/41)	2.3% (9/395)
96.5% (381/395)	1455	89.9% (355/395)	80.5% (33/41)	17.1% (7/41)	1.8% (7/395)
96.5% (381/395)	1531	88.4% (349/395)	82.9% (34/41)	4.9% (2/41)	3.0% (12/395)
96.5% (381/395)	1588	88.4% (349/395)	85.4% (35/41)	7.3% (3/41)	2.8% (11/395)
96.5% (381/395)	1644	88.4% (349/395)	87.8% (36/41)	9.8% (4/41)	2.5% (10/395)
96.5% (381/395)	1690	89.6% (354/395)	78.0% (32/41)	12.2% (5/41)	2.3% (9/395)
96.5% (381/395)	2191	89.1% (352/395)	80.5% (33/41)	9.8% (4/41)	2.5% (10/395)
96.5% (381/395)	2406	88.6% (350/395)	80.5% (33/41)	4.9% (2/41)	3.0% (12/395)
96.5% (381/395)	2463	89.9% (355/395)	73.2% (30/41)	9.8% (4/41)	2.5% (10/395)
96.5% (381/395)	2516	89.6% (354/395)	75.6% (31/41)	9.8% (4/41)	2.5% (10/395)
96.5% (381/395)	2533	88.4% (349/395)	85.4% (35/41)	7.3% (3/41)	2.8% (11/395)
96.5% (381/395)	2611	88.1% (348/395)	85.4% (35/41)	4.9% (2/41)	3.0% (12/395)
96.5% (381/395)	2615	87.8% (347/395)	85.4% (35/41)	2.4% (1/41)	3.3% (13/395)
96.5% (381/395)	2623	90.1% (356/395)	75.6% (31/41)	14.6% (6/41)	2.0% (8/395)
96.5% (381/395)	2658	87.8% (347/395)	87.8% (36/41)	4.9% (2/41)	3.0% (12/395)
96.5% (381/395)	2902	90.6% (358/395)	70.7% (29/41)	14.6% (6/41)	2.0% (8/395)
96.5% (247/256)	892s	87.1% (223/256)	96.0% (24/25)	0.0% (0/25)	3.5% (9/256)
96.5% (362/375)	1288	89.3% (335/375)	76.9% (30/39)	7.7% (3/39)	2.7% (10/375)
96.5% (363/376)	2290s	89.6% (337/376)	79.5% (31/39)	12.8% (5/39)	2.1% (8/376)
96.6% (197/204)	2676	85.3% (174/204)	96.0% (24/25)	4.0% (1/25)	2.9% (6/204)
96.6% (370/383)	1675	88.8% (340/383)	82.9% (34/41)	9.8% (4/41)	2.3% (9/383)
96.6% (372/385)	303	88.6% (341/385)	82.9% (34/41)	7.3% (3/41)	2.6% (10/385)
96.6% (86/89)	649	89.9% (80/89)	80.0% (8/10)	20.0% (2/10)	1.1% (1/89)
96.7% (376/389)	292	89.5% (348/389)	77.5% (31/40)	7.5% (3/40)	2.6% (10/389)
96.7% (87/90)	2908	86.7% (78/90)	90.9% (10/11)	9.1% (1/11)	2.2% (2/90)
96.7% (379/392)	52	88.3% (346/392)	85.4% (35/41)	4.9% (2/41)	2.8% (11/392)
96.7% (380/393)	2374	88.8% (349/393)	85.0% (34/40)	7.5% (3/40)	2.5% (10/393)
96.7% (381/394)	46	88.8% (350/394)	85.0% (34/40)	7.5% (3/40)	2.5% (10/394)
96.7% (381/394)	159	89.6% (353/394)	78.0% (32/41)	9.8% (4/41)	2.3% (9/394)
96.7% (381/394)	184	87.8% (346/394)	90.2% (37/41)	4.9% (2/41)	2.8% (11/394)
96.7% (381/394)	330	88.6% (349/394)	82.9% (34/41)	4.9% (2/41)	2.8% (11/394)
96.7% (381/394)	727	87.8% (346/394)	90.2% (37/41)	4.9% (2/41)	2.8% (11/394)
96.7% (381/394)	734	88.3% (348/394)	87.5% (35/40)	5.0% (2/40)	2.8% (11/394)
96.7% (381/394)	1204	88.1% (347/394)	90.0% (36/40)	5.0% (2/40)	2.8% (11/394)
96.7% (381/394)	1425	89.6% (353/394)	80.5% (33/41)	12.2% (5/41)	2.0% (8/394)
96.7% (381/394)	1463	89.8% (354/394)	80.0% (32/40)	12.5% (5/40)	2.0% (8/394)
96.7% (88/91)	863	87.9% (80/91)	100.0% (8/8)	0.0% (0/8)	3.3% (3/91)
96.7% (382/395)	40	87.6% (346/395)	92.7% (38/41)	4.9% (2/41)	2.8% (11/395)
96.7% (382/395)	68	89.4% (353/395)	82.9% (34/41)	12.2% (5/41)	2.0% (8/395)
96.7% (382/395)	132	89.9% (355/395)	78.0% (32/41)	12.2% (5/41)	2.0% (8/395)
96.7% (382/395)	152	88.1% (348/395)	87.8% (36/41)	4.9% (2/41)	2.8% (11/395)
96.7% (382/395)	306	88.4% (349/395)	87.8% (36/41)	7.3% (3/41)	2.5% (10/395)

96.7% (382/395)	392	87.6% (346/395)	90.2% (37/41)	2.4% (1/41)	3.0% (12/395)
96.7% (382/395)	435s	88.6% (350/395)	85.4% (35/41)	7.3% (3/41)	2.5% (10/395)
96.7% (382/395)	529	88.9% (351/395)	80.5% (33/41)	4.9% (2/41)	2.8% (11/395)
96.7% (382/395)	552	88.6% (350/395)	87.8% (36/41)	9.8% (4/41)	2.3% (9/395)
96.7% (382/395)	554	88.4% (349/395)	90.2% (37/41)	9.8% (4/41)	2.3% (9/395)
96.7% (382/395)	695	89.6% (354/395)	82.9% (34/41)	14.6% (6/41)	1.8% (7/395)
96.7% (382/395)	700	90.1% (356/395)	75.6% (31/41)	12.2% (5/41)	2.0% (8/395)
96.7% (382/395)	787	89.4% (353/395)	78.0% (32/41)	7.3% (3/41)	2.5% (10/395)
96.7% (382/395)	819	87.8% (347/395)	90.2% (37/41)	4.9% (2/41)	2.8% (11/395)
96.7% (382/395)	854	88.9% (351/395)	85.4% (35/41)	9.8% (4/41)	2.3% (9/395)
96.7% (382/395)	895	87.6% (346/395)	92.7% (38/41)	4.9% (2/41)	2.8% (11/395)
96.7% (382/395)	1038	88.9% (351/395)	80.5% (33/41)	4.9% (2/41)	2.8% (11/395)
96.7% (382/395)	1048	88.6% (350/395)	82.9% (34/41)	4.9% (2/41)	2.8% (11/395)
96.7% (382/395)	1050	87.8% (347/395)	87.8% (36/41)	2.4% (1/41)	3.0% (12/395)
96.7% (382/395)	1170	87.8% (347/395)	85.4% (35/41)	0.0% (0/41)	3.3% (13/395)
96.7% (382/395)	1241	89.4% (353/395)	80.5% (33/41)	9.8% (4/41)	2.3% (9/395)
96.7% (382/395)	1252	88.1% (348/395)	87.8% (36/41)	4.9% (2/41)	2.8% (11/395)
96.7% (382/395)	1302	88.4% (349/395)	85.4% (35/41)	4.9% (2/41)	2.8% (11/395)
96.7% (382/395)	1312	89.1% (352/395)	82.9% (34/41)	9.8% (4/41)	2.3% (9/395)
96.7% (382/395)	1387	88.4% (349/395)	87.8% (36/41)	7.3% (3/41)	2.5% (10/395)
96.7% (382/395)	1402	87.6% (346/395)	90.2% (37/41)	2.4% (1/41)	3.0% (12/395)
96.7% (382/395)	1409	88.1% (348/395)	87.8% (36/41)	4.9% (2/41)	2.8% (11/395)
96.7% (382/395)	1422	89.9% (355/395)	80.5% (33/41)	14.6% (6/41)	1.8% (7/395)
96.7% (382/395)	1428	90.4% (357/395)	75.6% (31/41)	14.6% (6/41)	1.8% (7/395)
96.7% (382/395)	1498	88.1% (348/395)	87.8% (36/41)	4.9% (2/41)	2.8% (11/395)
96.7% (382/395)	1515	88.1% (348/395)	85.4% (35/41)	2.4% (1/41)	3.0% (12/395)
96.7% (382/395)	1528	88.1% (348/395)	87.8% (36/41)	4.9% (2/41)	2.8% (11/395)
96.7% (382/395)	1613	88.6% (350/395)	87.8% (36/41)	9.8% (4/41)	2.3% (9/395)
96.7% (382/395)	1701	89.4% (353/395)	80.5% (33/41)	9.8% (4/41)	2.3% (9/395)
96.7% (382/395)	2247	88.1% (348/395)	87.8% (36/41)	4.9% (2/41)	2.8% (11/395)
96.7% (382/395)	2490	88.6% (350/395)	87.8% (36/41)	9.8% (4/41)	2.3% (9/395)
96.7% (382/395)	2591	88.9% (351/395)	85.4% (35/41)	9.8% (4/41)	2.3% (9/395)
96.7% (382/395)	2703	89.4% (353/395)	78.0% (32/41)	7.3% (3/41)	2.5% (10/395)
96.7% (382/395)	2711	87.6% (346/395)	90.2% (37/41)	2.4% (1/41)	3.0% (12/395)
96.7% (382/395)	2897	88.4% (349/395)	85.4% (35/41)	4.9% (2/41)	2.8% (11/395)
96.7% (325/336)	2727	88.1% (296/336)	88.6% (31/35)	5.7% (2/35)	2.7% (9/336)
96.8% (30/31)	1293	87.1% (27/31)	75.0% (3/4)	0.0% (0/4)	3.2% (1/31)
96.9% (370/382)	949	88.2% (337/382)	90.0% (36/40)	7.5% (3/40)	2.4% (9/382)
96.9% (376/388)	2238	89.4% (347/388)	82.5% (33/40)	10.0% (4/40)	2.1% (8/388)
96.9% (251/259)	96	90.3% (234/259)	82.6% (19/23)	8.7% (2/23)	2.3% (6/259)
96.9% (379/391)	162	88.5% (346/391)	85.4% (35/41)	4.9% (2/41)	2.6% (10/391)
96.9% (380/392)	23	88.8% (348/392)	82.9% (34/41)	4.9% (2/41)	2.6% (10/392)
96.9% (380/392)	993	88.0% (345/392)	90.2% (37/41)	4.9% (2/41)	2.6% (10/392)
96.9% (381/393)	1139	88.0% (346/393)	90.0% (36/40)	2.5% (1/40)	2.8% (11/393)
96.9% (381/393)	1542	89.3% (351/393)	85.4% (35/41)	12.2% (5/41)	1.8% (7/393)
97.0% (382/394)	113	89.3% (352/394)	82.5% (33/40)	7.5% (3/40)	2.3% (9/394)
97.0% (382/394)	776	90.9% (358/394)	80.0% (32/40)	20.0% (8/40)	1.0% (4/394)
97.0% (382/394)	2400	90.1% (355/394)	80.0% (32/40)	12.5% (5/40)	1.8% (7/394)
97.0% (382/394)	2487	88.3% (348/394)	85.4% (35/41)	2.4% (1/41)	2.8% (11/394)
97.0% (382/394)	2606	89.3% (352/394)	82.5% (33/40)	7.5% (3/40)	2.3% (9/394)
97.0% (382/394)	2760	89.6% (353/394)	78.0% (32/41)	7.3% (3/41)	2.3% (9/394)
97.0% (287/296)	2679	87.8% (260/296)	96.6% (28/29)	3.4% (1/29)	2.7% (8/296)
97.0% (383/395)	041	90.6% (358/395)	73.2% (30/41)	12.2% (5/41)	1.8% (7/395)
97.0% (383/395)	73	89.1% (352/395)	82.9% (34/41)	7.3% (3/41)	2.3% (9/395)
97.0% (383/395)	80	89.9% (355/395)	80.5% (33/41)	12.2% (5/41)	1.8% (7/395)

97.0% (383/395)	109	88.9% (351/395)	87.8% (36/41)	9.8% (4/41)	2.0% (8/395)
97.0% (383/395)	151	89.9% (355/395)	82.9% (34/41)	14.6% (6/41)	1.5% (6/395)
97.0% (383/395)	163	88.6% (350/395)	82.9% (34/41)	2.4% (1/41)	2.8% (11/395)
97.0% (383/395)	211	90.1% (356/395)	80.5% (33/41)	14.6% (6/41)	1.5% (6/395)
97.0% (383/395)	225	88.1% (348/395)	90.2% (37/41)	4.9% (2/41)	2.5% (10/395)
97.0% (383/395)	266	88.6% (350/395)	87.8% (36/41)	7.3% (3/41)	2.3% (9/395)
97.0% (383/395)	268	89.4% (353/395)	78.0% (32/41)	4.9% (2/41)	2.5% (10/395)
97.0% (383/395)	297	89.1% (352/395)	85.4% (35/41)	9.8% (4/41)	2.0% (8/395)
97.0% (383/395)	443	89.6% (354/395)	80.5% (33/41)	9.8% (4/41)	2.0% (8/395)
97.0% (383/395)	518	88.9% (351/395)	85.4% (35/41)	7.3% (3/41)	2.3% (9/395)
97.0% (383/395)	527	89.4% (353/395)	82.9% (34/41)	9.8% (4/41)	2.0% (8/395)
97.0% (383/395)	545	88.9% (351/395)	85.4% (35/41)	7.3% (3/41)	2.3% (9/395)
97.0% (383/395)	557	88.9% (351/395)	85.4% (35/41)	7.3% (3/41)	2.3% (9/395)
97.0% (383/395)	663	88.6% (350/395)	85.4% (35/41)	4.9% (2/41)	2.5% (10/395)
97.0% (383/395)	690	90.1% (356/395)	80.5% (33/41)	14.6% (6/41)	1.5% (6/395)
97.0% (383/395)	724	89.6% (354/395)	82.9% (34/41)	12.2% (5/41)	1.8% (7/395)
97.0% (383/395)	725	87.8% (347/395)	90.2% (37/41)	2.4% (1/41)	2.8% (11/395)
97.0% (383/395)	726	89.9% (355/395)	80.5% (33/41)	12.2% (5/41)	1.8% (7/395)
97.0% (383/395)	755	87.8% (347/395)	92.7% (38/41)	4.9% (2/41)	2.5% (10/395)
97.0% (383/395)	786	89.4% (353/395)	85.4% (35/41)	12.2% (5/41)	1.8% (7/395)
97.0% (383/395)	790	87.6% (346/395)	92.7% (38/41)	2.4% (1/41)	2.8% (11/395)
97.0% (383/395)	954	89.1% (352/395)	87.8% (36/41)	12.2% (5/41)	1.8% (7/395)
97.0% (383/395)	965	89.4% (353/395)	78.0% (32/41)	4.9% (2/41)	2.5% (10/395)
97.0% (383/395)	990	88.9% (351/395)	80.5% (33/41)	2.4% (1/41)	2.8% (11/395)
97.0% (383/395)	1004	87.3% (345/395)	95.1% (39/41)	2.4% (1/41)	2.8% (11/395)
97.0% (383/395)	1017	88.9% (351/395)	87.8% (36/41)	9.8% (4/41)	2.0% (8/395)
97.0% (383/395)	1026	89.6% (354/395)	78.0% (32/41)	7.3% (3/41)	2.3% (9/395)
97.0% (383/395)	1138	88.1% (348/395)	87.8% (36/41)	2.4% (1/41)	2.8% (11/395)
97.0% (383/395)	1203	87.8% (347/395)	92.7% (38/41)	4.9% (2/41)	2.5% (10/395)
97.0% (383/395)	1217	88.4% (349/395)	90.2% (37/41)	7.3% (3/41)	2.3% (9/395)
97.0% (383/395)	1228	89.9% (355/395)	82.9% (34/41)	14.6% (6/41)	1.5% (6/395)
97.0% (383/395)	1265	87.6% (346/395)	92.7% (38/41)	2.4% (1/41)	2.8% (11/395)
97.0% (383/395)	1299	88.6% (350/395)	85.4% (35/41)	4.9% (2/41)	2.5% (10/395)
97.0% (383/395)	1317	87.1% (344/395)	95.1% (39/41)	0.0% (0/41)	3.0% (12/395)
97.0% (383/395)	1364	87.8% (347/395)	92.7% (38/41)	4.9% (2/41)	2.5% (10/395)
97.0% (383/395)	1432	88.9% (351/395)	85.4% (35/41)	7.3% (3/41)	2.3% (9/395)
97.0% (383/395)	1457	88.9% (351/395)	82.9% (34/41)	4.9% (2/41)	2.5% (10/395)
97.0% (383/395)	1502	88.9% (351/395)	87.8% (36/41)	9.8% (4/41)	2.0% (8/395)
97.0% (383/395)	1532	87.8% (347/395)	90.2% (37/41)	2.4% (1/41)	2.8% (11/395)
97.0% (383/395)	1646	88.4% (349/395)	87.8% (36/41)	4.9% (2/41)	2.5% (10/395)
97.0% (383/395)	1678	88.9% (351/395)	85.4% (35/41)	7.3% (3/41)	2.3% (9/395)
97.0% (383/395)	1695	89.6% (354/395)	82.9% (34/41)	12.2% (5/41)	1.8% (7/395)
97.0% (383/395)	1697	88.9% (351/395)	82.9% (34/41)	4.9% (2/41)	2.5% (10/395)
97.0% (383/395)	1704	88.1% (348/395)	87.8% (36/41)	2.4% (1/41)	2.8% (11/395)
97.0% (383/395)	1709	89.4% (353/395)	85.4% (35/41)	12.2% (5/41)	1.8% (7/395)
97.0% (383/395)	2236	88.6% (350/395)	87.8% (36/41)	7.3% (3/41)	2.3% (9/395)
97.0% (383/395)	2244	87.8% (347/395)	87.8% (36/41)	0.0% (0/41)	3.0% (12/395)
97.0% (383/395)	2304	88.9% (351/395)	85.4% (35/41)	7.3% (3/41)	2.3% (9/395)
97.0% (383/395)	2328	89.6% (354/395)	80.5% (33/41)	9.8% (4/41)	2.0% (8/395)
97.0% (383/395)	2530	89.6% (354/395)	80.5% (33/41)	9.8% (4/41)	2.0% (8/395)
97.0% (383/395)	2709	88.6% (350/395)	87.8% (36/41)	7.3% (3/41)	2.3% (9/395)
97.0% (383/395)	2758s	89.1% (352/395)	85.4% (35/41)	9.8% (4/41)	2.0% (8/395)
97.0% (320/330)	1540	88.5% (292/330)	88.2% (30/34)	5.9% (2/34)	2.4% (8/330)
97.0% (96/99)	2679s	88.9% (88/99)	83.3% (10/12)	16.7% (2/12)	1.0% (1/99)
97.0% (323/333)	403	89.2% (297/333)	85.3% (29/34)	8.8% (3/34)	2.1% (7/333)

97.1% (373/384)	1556	89.3% (343/384)	80.0% (32/40)	5.0% (2/40)	2.3% (9/384)
97.2% (379/390)	760	89.2% (348/390)	87.5% (35/40)	10.0% (4/40)	1.8% (7/390)
97.2% (380/391)	1553	87.5% (342/391)	92.7% (38/41)	0.0% (0/41)	2.8% (11/391)
97.2% (380/391)	1788	88.5% (346/391)	90.0% (36/40)	5.0% (2/40)	2.3% (9/391)
97.2% (381/392)	1966	89.0% (349/392)	84.6% (33/39)	2.6% (1/39)	2.6% (10/392)
97.2% (382/393)	820	88.0% (346/393)	92.5% (37/40)	2.5% (1/40)	2.5% (10/393)
97.2% (383/394)	720	88.1% (347/394)	90.2% (37/41)	2.4% (1/41)	2.5% (10/394)
97.2% (383/394)	1090	88.8% (350/394)	87.5% (35/40)	5.0% (2/40)	2.3% (9/394)
97.2% (383/394)	1223	89.3% (352/394)	82.5% (33/40)	5.0% (2/40)	2.3% (9/394)
97.2% (383/394)	1519	88.8% (350/394)	87.5% (35/40)	5.0% (2/40)	2.3% (9/394)
97.2% (383/394)	2656	88.3% (348/394)	87.8% (36/41)	2.4% (1/41)	2.5% (10/394)
97.2% (383/394)	2687	89.1% (351/394)	85.4% (35/41)	7.3% (3/41)	2.0% (8/394)
97.2% (384/395)	030	90.4% (357/395)	75.6% (31/41)	9.8% (4/41)	1.8% (7/395)
97.2% (384/395)	24	89.1% (352/395)	85.4% (35/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	32	89.4% (353/395)	85.4% (35/41)	9.8% (4/41)	1.8% (7/395)
97.2% (384/395)	36	88.6% (350/395)	87.8% (36/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	59	88.4% (349/395)	90.2% (37/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	64	88.1% (348/395)	90.2% (37/41)	2.4% (1/41)	2.5% (10/395)
97.2% (384/395)	108	88.9% (351/395)	85.4% (35/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	117	88.9% (351/395)	87.8% (36/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	118s	88.6% (350/395)	90.2% (37/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	126	88.6% (350/395)	90.2% (37/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	127	89.9% (355/395)	82.9% (34/41)	12.2% (5/41)	1.5% (6/395)
97.2% (384/395)	186	88.4% (349/395)	87.8% (36/41)	2.4% (1/41)	2.5% (10/395)
97.2% (384/395)	187	89.9% (355/395)	80.5% (33/41)	9.8% (4/41)	1.8% (7/395)
97.2% (384/395)	192	87.6% (346/395)	95.1% (39/41)	2.4% (1/41)	2.5% (10/395)
97.2% (384/395)	247	88.9% (351/395)	87.8% (36/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	262	89.6% (354/395)	85.4% (35/41)	12.2% (5/41)	1.5% (6/395)
97.2% (384/395)	265	89.4% (353/395)	80.5% (33/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	281	89.1% (352/395)	85.4% (35/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	288	87.8% (347/395)	92.7% (38/41)	2.4% (1/41)	2.5% (10/395)
97.2% (384/395)	289	88.6% (350/395)	90.2% (37/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	351	88.9% (351/395)	87.8% (36/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	412	88.6% (350/395)	85.4% (35/41)	2.4% (1/41)	2.5% (10/395)
97.2% (384/395)	486	87.6% (346/395)	95.1% (39/41)	2.4% (1/41)	2.5% (10/395)
97.2% (384/395)	528	89.4% (353/395)	85.4% (35/41)	9.8% (4/41)	1.8% (7/395)
97.2% (384/395)	558	88.6% (350/395)	90.2% (37/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	585	89.1% (352/395)	85.4% (35/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	652	88.4% (349/395)	87.8% (36/41)	2.4% (1/41)	2.5% (10/395)
97.2% (384/395)	716	88.4% (349/395)	90.2% (37/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	745	87.3% (345/395)	95.1% (39/41)	0.0% (0/41)	2.8% (11/395)
97.2% (384/395)	901	88.6% (350/395)	90.2% (37/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	929	89.4% (353/395)	82.9% (34/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	934	89.4% (353/395)	85.4% (35/41)	9.8% (4/41)	1.8% (7/395)
97.2% (384/395)	988	88.4% (349/395)	90.2% (37/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	1014	89.1% (352/395)	85.4% (35/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	1047s	88.1% (348/395)	90.2% (37/41)	2.4% (1/41)	2.5% (10/395)
97.2% (384/395)	1074	88.4% (349/395)	90.2% (37/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	1094	89.4% (353/395)	80.5% (33/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	1144	88.9% (351/395)	87.8% (36/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	1173	88.6% (350/395)	87.8% (36/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	1187	89.1% (352/395)	87.8% (36/41)	9.8% (4/41)	1.8% (7/395)
97.2% (384/395)	1194	88.4% (349/395)	87.8% (36/41)	2.4% (1/41)	2.5% (10/395)
97.2% (384/395)	1202	89.1% (352/395)	82.9% (34/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	1212	88.9% (351/395)	87.8% (36/41)	7.3% (3/41)	2.0% (8/395)



97.2% (384/395)	1213	89.1% (352/395)	85.4% (35/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	1214	88.6% (350/395)	87.8% (36/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	1333	88.6% (350/395)	87.8% (36/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	1355	89.6% (354/395)	85.4% (35/41)	12.2% (5/41)	1.5% (6/395)
97.2% (384/395)	1370	90.9% (359/395)	78.0% (32/41)	17.1% (7/41)	1.0% (4/395)
97.2% (384/395)	1395	88.6% (350/395)	87.8% (36/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	1434	88.4% (349/395)	90.2% (37/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	1513	89.6% (354/395)	80.5% (33/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	1589	89.1% (352/395)	87.8% (36/41)	9.8% (4/41)	1.8% (7/395)
97.2% (384/395)	1595	88.9% (351/395)	85.4% (35/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	1641	88.6% (350/395)	87.8% (36/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	1643	88.1% (348/395)	90.2% (37/41)	2.4% (1/41)	2.5% (10/395)
97.2% (384/395)	1651	88.1% (348/395)	90.2% (37/41)	2.4% (1/41)	2.5% (10/395)
97.2% (384/395)	1673	88.9% (351/395)	87.8% (36/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	1699	89.9% (355/395)	78.0% (32/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	1823	88.9% (351/395)	85.4% (35/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	2118	88.9% (351/395)	85.4% (35/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	2146	88.6% (350/395)	87.8% (36/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	2193	89.9% (355/395)	78.0% (32/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	2220	87.8% (347/395)	92.7% (38/41)	2.4% (1/41)	2.5% (10/395)
97.2% (384/395)	2280	89.9% (355/395)	78.0% (32/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	2283	88.6% (350/395)	87.8% (36/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	2295	88.6% (350/395)	87.8% (36/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	2387	88.9% (351/395)	85.4% (35/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	2394	90.6% (358/395)	80.5% (33/41)	17.1% (7/41)	1.0% (4/395)
97.2% (384/395)	2499	88.6% (350/395)	87.8% (36/41)	4.9% (2/41)	2.3% (9/395)
97.2% (384/395)	2514	88.9% (351/395)	87.8% (36/41)	7.3% (3/41)	2.0% (8/395)
97.2% (384/395)	2613	90.9% (359/395)	78.0% (32/41)	17.1% (7/41)	1.0% (4/395)
97.2% (384/395)	2624	90.1% (356/395)	78.0% (32/41)	9.8% (4/41)	1.8% (7/395)
97.2% (384/395)	2737	89.6% (354/395)	85.4% (35/41)	12.2% (5/41)	1.5% (6/395)
97.2% (384/395)	2809	87.6% (346/395)	95.1% (39/41)	2.4% (1/41)	2.5% (10/395)
97.2% (384/395)	2812	89.4% (353/395)	85.4% (35/41)	9.8% (4/41)	1.8% (7/395)
97.3% (142/146)	179s	89.0% (130/146)	82.4% (14/17)	11.8% (2/17)	1.4% (2/146)
97.3% (142/146)	2649	91.1% (133/146)	75.0% (9/12)	0.0% (0/12)	2.7% (4/146)
97.3% (286/294)	657	89.1% (262/294)	86.2% (25/29)	3.4% (1/29)	2.4% (7/294)
97.3% (362/372)	2813	89.5% (333/372)	86.5% (32/37)	8.1% (3/37)	1.9% (7/372)
97.4% (369/379)	534	88.7% (336/379)	89.7% (35/39)	5.1% (2/39)	2.1% (8/379)
97.4% (369/379)	1625	87.6% (332/379)	95.0% (38/40)	2.5% (1/40)	2.4% (9/379)
97.4% (370/380)	770	88.4% (336/380)	89.7% (35/39)	2.6% (1/39)	2.4% (9/380)
97.4% (261/268)	011	88.4% (237/268)	84.4% (27/32)	9.4% (3/32)	1.5% (4/268)
97.4% (374/384)	902	89.3% (343/384)	85.0% (34/40)	7.5% (3/40)	1.8% (7/384)
97.4% (376/386)	1671	88.3% (341/386)	87.8% (36/41)	2.4% (1/41)	2.3% (9/386)
97.4% (377/387)	248	88.1% (341/387)	95.0% (38/40)	5.0% (2/40)	2.1% (8/387)
97.4% (377/387)	419	89.9% (348/387)	78.0% (32/41)	7.3% (3/41)	1.8% (7/387)
97.4% (378/388)	515	89.7% (348/388)	82.9% (34/41)	9.8% (4/41)	1.5% (6/388)
97.4% (303/311)	1343s	88.1% (274/311)	90.9% (30/33)	3.0% (1/33)	2.3% (7/311)
97.4% (380/390)	1096	89.0% (347/390)	87.8% (36/41)	7.3% (3/41)	1.8% (7/390)
97.4% (381/391)	1137	88.7% (347/391)	90.0% (36/40)	5.0% (2/40)	2.0% (8/391)
97.4% (381/391)	1152	88.0% (344/391)	94.9% (37/39)	0.0% (0/39)	2.6% (10/391)
97.4% (381/391)	2375	88.7% (347/391)	87.8% (36/41)	4.9% (2/41)	2.0% (8/391)
97.4% (382/392)	851	89.0% (349/392)	87.5% (35/40)	5.0% (2/40)	2.0% (8/392)
97.4% (191/196)	2535	89.8% (176/196)	81.0% (17/21)	9.5% (2/21)	1.5% (3/196)
97.4% (382/392)	2750	89.8% (352/392)	82.9% (34/41)	9.8% (4/41)	1.5% (6/392)
97.5% (383/393)	156	88.0% (346/393)	92.7% (38/41)	2.4% (1/41)	2.3% (9/393)
97.5% (383/393)	1196	89.1% (350/393)	82.9% (34/41)	2.4% (1/41)	2.3% (9/393)

97.5% (383/393)	1630	87.8% (345/393)	95.1% (39/41)	2.4% (1/41)	2.3% (9/393)
97.5% (384/394)	38	89.3% (352/394)	87.8% (36/41)	9.8% (4/41)	1.5% (6/394)
97.5% (384/394)	251	89.6% (353/394)	85.0% (34/40)	7.5% (3/40)	1.8% (7/394)
97.5% (384/394)	537	90.4% (356/394)	80.5% (33/41)	12.2% (5/41)	1.3% (5/394)
97.5% (384/394)	1126	88.6% (349/394)	87.5% (35/40)	0.0% (0/40)	2.5% (10/394)
97.5% (384/394)	1136	90.1% (355/394)	82.5% (33/40)	10.0% (4/40)	1.5% (6/394)
97.5% (384/394)	1387s	89.1% (351/394)	90.0% (36/40)	7.5% (3/40)	1.8% (7/394)
97.5% (384/394)	2474	89.6% (353/394)	82.9% (34/41)	7.3% (3/41)	1.8% (7/394)
97.5% (385/395)	76	89.1% (352/395)	85.4% (35/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	87	89.6% (354/395)	85.4% (35/41)	9.8% (4/41)	1.5% (6/395)
97.5% (385/395)	133	89.4% (353/395)	82.9% (34/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	134	89.6% (354/395)	85.4% (35/41)	9.8% (4/41)	1.5% (6/395)
97.5% (385/395)	137	88.9% (351/395)	90.2% (37/41)	7.3% (3/41)	1.8% (7/395)
97.5% (385/395)	164	88.1% (348/395)	92.7% (38/41)	2.4% (1/41)	2.3% (9/395)
97.5% (385/395)	188	89.6% (354/395)	82.9% (34/41)	7.3% (3/41)	1.8% (7/395)
97.5% (385/395)	293	88.1% (348/395)	95.1% (39/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	344s	88.9% (351/395)	87.8% (36/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	349	88.9% (351/395)	87.8% (36/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	373	88.4% (349/395)	92.7% (38/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	379	88.6% (350/395)	90.2% (37/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	391	87.6% (346/395)	95.1% (39/41)	0.0% (0/41)	2.5% (10/395)
97.5% (385/395)	395	89.6% (354/395)	80.5% (33/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	406	90.1% (356/395)	82.9% (34/41)	12.2% (5/41)	1.3% (5/395)
97.5% (385/395)	446	89.4% (353/395)	85.4% (35/41)	7.3% (3/41)	1.8% (7/395)
97.5% (385/395)	473	88.6% (350/395)	90.2% (37/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	493	88.6% (350/395)	90.2% (37/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	505	89.1% (352/395)	85.4% (35/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	520	88.4% (349/395)	90.2% (37/41)	2.4% (1/41)	2.3% (9/395)
97.5% (385/395)	530	90.4% (357/395)	82.9% (34/41)	14.6% (6/41)	1.0% (4/395)
97.5% (385/395)	551	88.6% (350/395)	90.2% (37/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	668	88.1% (348/395)	92.7% (38/41)	2.4% (1/41)	2.3% (9/395)
97.5% (385/395)	676	88.4% (349/395)	90.2% (37/41)	2.4% (1/41)	2.3% (9/395)
97.5% (385/395)	710	89.6% (354/395)	82.9% (34/41)	7.3% (3/41)	1.8% (7/395)
97.5% (385/395)	718	89.1% (352/395)	87.8% (36/41)	7.3% (3/41)	1.8% (7/395)
97.5% (385/395)	761	88.9% (351/395)	87.8% (36/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	963	88.6% (350/395)	92.7% (38/41)	7.3% (3/41)	1.8% (7/395)
97.5% (385/395)	969	89.1% (352/395)	87.8% (36/41)	7.3% (3/41)	1.8% (7/395)
97.5% (385/395)	987s	88.9% (351/395)	90.2% (37/41)	7.3% (3/41)	1.8% (7/395)
97.5% (385/395)	996	89.1% (352/395)	85.4% (35/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	998	88.4% (349/395)	92.7% (38/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	1029	88.9% (351/395)	87.8% (36/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	1054s	89.1% (352/395)	90.2% (37/41)	9.8% (4/41)	1.5% (6/395)
97.5% (385/395)	1064	88.6% (350/395)	90.2% (37/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	1085	89.4% (353/395)	80.5% (33/41)	2.4% (1/41)	2.3% (9/395)
97.5% (385/395)	1086	88.6% (350/395)	92.7% (38/41)	7.3% (3/41)	1.8% (7/395)
97.5% (385/395)	1110	89.4% (353/395)	87.8% (36/41)	9.8% (4/41)	1.5% (6/395)
97.5% (385/395)	1171	88.1% (348/395)	92.7% (38/41)	2.4% (1/41)	2.3% (9/395)
97.5% (385/395)	1172s	88.9% (351/395)	85.4% (35/41)	2.4% (1/41)	2.3% (9/395)
97.5% (385/395)	1193	89.1% (352/395)	87.8% (36/41)	7.3% (3/41)	1.8% (7/395)
97.5% (385/395)	1210	89.4% (353/395)	87.8% (36/41)	9.8% (4/41)	1.5% (6/395)
97.5% (385/395)	1233	88.9% (351/395)	82.9% (34/41)	0.0% (0/41)	2.5% (10/395)
97.5% (385/395)	1297	88.6% (350/395)	87.8% (36/41)	2.4% (1/41)	2.3% (9/395)
97.5% (385/395)	1309	89.4% (353/395)	85.4% (35/41)	7.3% (3/41)	1.8% (7/395)
97.5% (385/395)	1314	88.4% (349/395)	92.7% (38/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	1346	90.4% (357/395)	80.5% (33/41)	12.2% (5/41)	1.3% (5/395)

97.5% (385/395)	1354	89.4% (353/395)	82.9% (34/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	1357	89.6% (354/395)	85.4% (35/41)	9.8% (4/41)	1.5% (6/395)
97.5% (385/395)	1358	89.6% (354/395)	82.9% (34/41)	7.3% (3/41)	1.8% (7/395)
97.5% (385/395)	1392	90.1% (356/395)	82.9% (34/41)	12.2% (5/41)	1.3% (5/395)
97.5% (385/395)	1396	89.6% (354/395)	85.4% (35/41)	9.8% (4/41)	1.5% (6/395)
97.5% (385/395)	1410	88.6% (350/395)	90.2% (37/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	1436	87.6% (346/395)	95.1% (39/41)	0.0% (0/41)	2.5% (10/395)
97.5% (385/395)	1439	89.1% (352/395)	87.8% (36/41)	7.3% (3/41)	1.8% (7/395)
97.5% (385/395)	1448	90.4% (357/395)	80.5% (33/41)	12.2% (5/41)	1.3% (5/395)
97.5% (385/395)	1580	88.9% (351/395)	90.2% (37/41)	7.3% (3/41)	1.8% (7/395)
97.5% (385/395)	1660	89.1% (352/395)	85.4% (35/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	1668	90.1% (356/395)	82.9% (34/41)	12.2% (5/41)	1.3% (5/395)
97.5% (385/395)	1685	89.4% (353/395)	85.4% (35/41)	7.3% (3/41)	1.8% (7/395)
97.5% (385/395)	1707	88.6% (350/395)	90.2% (37/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	1781	89.1% (352/395)	85.4% (35/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	2108	88.4% (349/395)	90.2% (37/41)	2.4% (1/41)	2.3% (9/395)
97.5% (385/395)	2174	87.6% (346/395)	97.6% (40/41)	2.4% (1/41)	2.3% (9/395)
97.5% (385/395)	2213	89.9% (355/395)	85.4% (35/41)	12.2% (5/41)	1.3% (5/395)
97.5% (385/395)	2263	88.6% (350/395)	90.2% (37/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	2277	88.9% (351/395)	90.2% (37/41)	7.3% (3/41)	1.8% (7/395)
97.5% (385/395)	2465	88.9% (351/395)	90.2% (37/41)	7.3% (3/41)	1.8% (7/395)
97.5% (385/395)	2482	88.1% (348/395)	90.2% (37/41)	0.0% (0/41)	2.5% (10/395)
97.5% (385/395)	2590	88.9% (351/395)	87.8% (36/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	2603	89.1% (352/395)	87.8% (36/41)	7.3% (3/41)	1.8% (7/395)
97.5% (385/395)	2685	89.1% (352/395)	85.4% (35/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	2694	88.9% (351/395)	87.8% (36/41)	4.9% (2/41)	2.0% (8/395)
97.5% (385/395)	2710	88.4% (349/395)	92.7% (38/41)	4.9% (2/41)	2.0% (8/395)
97.5% (193/198)	904	90.9% (180/198)	82.4% (14/17)	5.9% (1/17)	2.0% (4/198)
97.5% (352/361)	2584	88.9% (321/361)	86.5% (32/37)	2.7% (1/37)	2.2% (8/361)
97.5% (275/282)	2526	87.6% (247/282)	93.8% (30/32)	6.3% (2/32)	1.8% (5/282)
97.5% (236/242)	2399	86.8% (210/242)	93.1% (27/29)	3.4% (1/29)	2.1% (5/242)
97.5% (158/162)	283	89.5% (145/162)	86.7% (13/15)	0.0% (0/15)	2.5% (4/162)
97.5% (119/122)	1804	91.0% (111/122)	88.9% (8/9)	0.0% (0/9)	2.5% (3/122)
97.6% (360/369)	1306	90.5% (334/369)	81.1% (30/37)	10.8% (4/37)	1.4% (5/369)
97.6% (81/83)	2634	90.4% (75/83)	75.0% (6/8)	0.0% (0/8)	2.4% (2/83)
97.6% (285/292)	047	89.7% (262/292)	83.3% (25/30)	6.7% (2/30)	1.7% (5/292)
97.6% (82/84)	1343	90.5% (76/84)	75.0% (6/8)	0.0% (0/8)	2.4% (2/84)
97.6% (373/382)	1404	89.8% (343/382)	84.6% (33/39)	7.7% (3/39)	1.6% (6/382)
97.6% (83/85)	779	87.1% (74/85)	83.3% (10/12)	8.3% (1/12)	1.2% (1/85)
97.7% (374/383)	1569	88.3% (338/383)	94.9% (37/39)	2.6% (1/39)	2.1% (8/383)
97.7% (375/384)	374	89.6% (344/384)	87.2% (34/39)	7.7% (3/39)	1.6% (6/384)
97.7% (375/384)	2492	89.1% (342/384)	87.5% (35/40)	5.0% (2/40)	1.8% (7/384)
97.7% (376/385)	165	88.8% (342/385)	90.2% (37/41)	7.3% (3/41)	1.6% (6/385)
97.7% (335/343)	2442	89.8% (308/343)	83.8% (31/37)	10.8% (4/37)	1.2% (4/343)
97.7% (381/390)	736	89.2% (348/390)	92.1% (35/38)	5.3% (2/38)	1.8% (7/390)
97.7% (382/391)	491	89.0% (348/391)	92.3% (36/39)	5.1% (2/39)	1.8% (7/391)
97.7% (384/393)	031s	88.8% (349/393)	90.2% (37/41)	4.9% (2/41)	1.8% (7/393)
97.7% (384/393)	654	89.3% (351/393)	82.9% (34/41)	2.4% (1/41)	2.0% (8/393)
97.7% (384/393)	791	89.3% (351/393)	90.0% (36/40)	7.5% (3/40)	1.5% (6/393)
97.7% (385/394)	78	90.1% (355/394)	82.5% (33/40)	7.5% (3/40)	1.5% (6/394)
97.7% (385/394)	294	88.3% (348/394)	97.5% (39/40)	5.0% (2/40)	1.8% (7/394)
97.7% (385/394)	359	89.3% (352/394)	87.8% (36/41)	7.3% (3/41)	1.5% (6/394)
97.7% (385/394)	796	89.3% (352/394)	87.5% (35/40)	5.0% (2/40)	1.8% (7/394)
97.7% (385/394)	973	89.1% (351/394)	87.8% (36/41)	4.9% (2/41)	1.8% (7/394)
97.7% (385/394)	1024	88.8% (350/394)	87.8% (36/41)	2.4% (1/41)	2.0% (8/394)

97.7% (385/394)	2147	88.6% (349/394)	92.5% (37/40)	2.5% (1/40)	2.0% (8/394)
97.7% (385/394)	2715	88.8% (350/394)	90.2% (37/41)	4.9% (2/41)	1.8% (7/394)
97.7% (257/263)	500	89.0% (234/263)	89.3% (25/28)	7.1% (2/28)	1.5% (4/263)
97.7% (343/351)	514	88.3% (310/351)	94.4% (34/36)	2.8% (1/36)	2.0% (7/351)
97.7% (386/395)	017	90.1% (356/395)	80.5% (33/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	10	88.4% (349/395)	92.7% (38/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	11	89.6% (354/395)	85.4% (35/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	22	89.9% (355/395)	85.4% (35/41)	9.8% (4/41)	1.3% (5/395)
97.7% (386/395)	30	89.1% (352/395)	90.2% (37/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	39	88.9% (351/395)	90.2% (37/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	60	88.6% (350/395)	90.2% (37/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	63	88.1% (348/395)	92.7% (38/41)	0.0% (0/41)	2.3% (9/395)
97.7% (386/395)	70	88.1% (348/395)	95.1% (39/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	112	90.1% (356/395)	82.9% (34/41)	9.8% (4/41)	1.3% (5/395)
97.7% (386/395)	116	88.9% (351/395)	87.8% (36/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	135	89.9% (355/395)	85.4% (35/41)	9.8% (4/41)	1.3% (5/395)
97.7% (386/395)	148	89.4% (353/395)	87.8% (36/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	185	89.6% (354/395)	82.9% (34/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	193	88.1% (348/395)	95.1% (39/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	212	88.6% (350/395)	92.7% (38/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	218	89.9% (355/395)	82.9% (34/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	267	88.1% (348/395)	95.1% (39/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	269	89.6% (354/395)	87.8% (36/41)	9.8% (4/41)	1.3% (5/395)
97.7% (386/395)	276	89.9% (355/395)	82.9% (34/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	282	88.6% (350/395)	90.2% (37/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	287	88.9% (351/395)	90.2% (37/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	301	88.1% (348/395)	95.1% (39/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	355	88.4% (349/395)	92.7% (38/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	393	88.6% (350/395)	90.2% (37/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	444	87.8% (347/395)	97.6% (40/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	470	89.6% (354/395)	82.9% (34/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	490	89.6% (354/395)	82.9% (34/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	522	89.1% (352/395)	90.2% (37/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	538	89.1% (352/395)	87.8% (36/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	577	89.9% (355/395)	85.4% (35/41)	9.8% (4/41)	1.3% (5/395)
97.7% (386/395)	582	89.6% (354/395)	82.9% (34/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	584	90.4% (357/395)	82.9% (34/41)	12.2% (5/41)	1.0% (4/395)
97.7% (386/395)	592	90.6% (358/395)	80.5% (33/41)	12.2% (5/41)	1.0% (4/395)
97.7% (386/395)	660	89.6% (354/395)	85.4% (35/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	783	89.1% (352/395)	90.2% (37/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	785	87.8% (347/395)	95.1% (39/41)	0.0% (0/41)	2.3% (9/395)
97.7% (386/395)	794	88.4% (349/395)	90.2% (37/41)	0.0% (0/41)	2.3% (9/395)
97.7% (386/395)	808	88.9% (351/395)	92.7% (38/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	811	88.4% (349/395)	92.7% (38/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	825	88.6% (350/395)	92.7% (38/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	839	89.6% (354/395)	82.9% (34/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	862	88.4% (349/395)	92.7% (38/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	931	88.9% (351/395)	90.2% (37/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	1000	88.9% (351/395)	90.2% (37/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	1012	88.9% (351/395)	90.2% (37/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	1013	89.4% (353/395)	82.9% (34/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	1049	89.4% (353/395)	87.8% (36/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	1059	87.8% (347/395)	95.1% (39/41)	0.0% (0/41)	2.3% (9/395)
97.7% (386/395)	1063	88.9% (351/395)	90.2% (37/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	1083	89.1% (352/395)	90.2% (37/41)	7.3% (3/41)	1.5% (6/395)

97.7% (386/395)	1123	89.1% (352/395)	87.8% (36/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	1125	88.9% (351/395)	87.8% (36/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	1127	88.6% (350/395)	92.7% (38/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	1188	87.8% (347/395)	97.6% (40/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	1190	88.4% (349/395)	92.7% (38/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	1208	89.4% (353/395)	87.8% (36/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	1230	89.9% (355/395)	82.9% (34/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	1236	87.6% (346/395)	97.6% (40/41)	0.0% (0/41)	2.3% (9/395)
97.7% (386/395)	1315	88.6% (350/395)	92.7% (38/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	1415	89.1% (352/395)	87.8% (36/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	1447	87.8% (347/395)	97.6% (40/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	1449	88.9% (351/395)	87.8% (36/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	1465	89.6% (354/395)	85.4% (35/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	1486	89.6% (354/395)	82.9% (34/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	1495	88.6% (350/395)	90.2% (37/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	1511	88.9% (351/395)	90.2% (37/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	1535	90.1% (356/395)	82.9% (34/41)	9.8% (4/41)	1.3% (5/395)
97.7% (386/395)	1549	88.6% (350/395)	92.7% (38/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	1555	88.4% (349/395)	92.7% (38/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	1622s	88.9% (351/395)	92.7% (38/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	1623	89.1% (352/395)	87.8% (36/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	1624	88.6% (350/395)	90.2% (37/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	1629	88.9% (351/395)	92.7% (38/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	1642	88.6% (350/395)	87.8% (36/41)	0.0% (0/41)	2.3% (9/395)
97.7% (386/395)	1665	88.6% (350/395)	90.2% (37/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	1684	89.1% (352/395)	90.2% (37/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	1693	90.1% (356/395)	85.4% (35/41)	12.2% (5/41)	1.0% (4/395)
97.7% (386/395)	1800	88.9% (351/395)	90.2% (37/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	2120	88.6% (350/395)	90.2% (37/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	2135	88.9% (351/395)	90.2% (37/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	2159	89.1% (352/395)	85.4% (35/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	2176	89.9% (355/395)	85.4% (35/41)	9.8% (4/41)	1.3% (5/395)
97.7% (386/395)	2245	88.9% (351/395)	90.2% (37/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	2321	89.9% (355/395)	82.9% (34/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	2476	87.8% (347/395)	97.6% (40/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	2483	88.9% (351/395)	87.8% (36/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	2497	88.9% (351/395)	90.2% (37/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	2686	89.9% (355/395)	82.9% (34/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	2691	88.9% (351/395)	90.2% (37/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	2707	88.6% (350/395)	92.7% (38/41)	4.9% (2/41)	1.8% (7/395)
97.7% (386/395)	2747	88.6% (350/395)	90.2% (37/41)	2.4% (1/41)	2.0% (8/395)
97.7% (386/395)	2756	89.6% (354/395)	85.4% (35/41)	7.3% (3/41)	1.5% (6/395)
97.7% (386/395)	2884	88.1% (348/395)	95.1% (39/41)	2.4% (1/41)	2.0% (8/395)
97.8% (348/356)	1558	88.8% (316/356)	91.7% (33/36)	2.8% (1/36)	2.0% (7/356)
97.8% (177/181)	748	90.6% (164/181)	92.9% (13/14)	0.0% (0/14)	2.2% (4/181)
97.8% (222/227)	335	89.4% (203/227)	91.3% (21/23)	8.7% (2/23)	1.3% (3/227)
97.8% (356/364)	2437	89.8% (327/364)	89.2% (33/37)	10.8% (4/37)	1.1% (4/364)
97.9% (366/374)	2369	89.8% (336/374)	89.5% (34/38)	10.5% (4/38)	1.1% (4/374)
97.9% (368/376)	2693s	88.6% (333/376)	94.7% (36/38)	2.6% (1/38)	1.9% (7/376)
97.9% (278/284)	2722	90.5% (257/284)	85.7% (24/28)	10.7% (3/28)	1.1% (3/284)
97.9% (372/380)	1541	89.2% (339/380)	89.7% (35/39)	5.1% (2/39)	1.6% (6/380)
97.9% (374/382)	280	89.5% (342/382)	89.5% (34/38)	5.3% (2/38)	1.6% (6/382)
97.9% (187/191)	1349	90.1% (172/191)	88.9% (16/18)	5.6% (1/18)	1.6% (3/191)
97.9% (328/335)	976	89.6% (300/335)	90.6% (29/32)	3.1% (1/32)	1.8% (6/335)
97.9% (376/384)	53	89.1% (342/384)	90.0% (36/40)	5.0% (2/40)	1.6% (6/384)

97.9% (376/384)	207	89.1% (342/384)	90.0% (36/40)	5.0% (2/40)	1.6% (6/384)
97.9% (142/145)	766	91.0% (132/145)	90.9% (10/11)	0.0% (0/11)	2.1% (3/145)
97.9% (381/389)	1250	88.4% (344/389)	92.5% (37/40)	0.0% (0/40)	2.1% (8/389)
98.0% (383/391)	278	90.3% (353/391)	84.6% (33/39)	7.7% (3/39)	1.3% (5/391)
98.0% (383/391)	286	90.0% (352/391)	85.4% (35/41)	9.8% (4/41)	1.0% (4/391)
98.0% (383/391)	2894	90.0% (352/391)	89.5% (34/38)	7.9% (3/38)	1.3% (5/391)
98.0% (385/393)	045	90.3% (355/393)	85.4% (35/41)	12.2% (5/41)	0.8% (3/393)
98.0% (385/393)	1077	89.6% (352/393)	87.5% (35/40)	5.0% (2/40)	1.5% (6/393)
98.0% (386/394)	74	88.6% (349/394)	95.1% (39/41)	4.9% (2/41)	1.5% (6/394)
98.0% (386/394)	290	88.3% (348/394)	92.7% (38/41)	0.0% (0/41)	2.0% (8/394)
98.0% (193/197)	1143	97.0% (191/197)	55.6% (5/9)	33.3% (3/9)	0.5% (1/197)
98.0% (386/394)	1901	88.8% (350/394)	90.2% (37/41)	2.4% (1/41)	1.8% (7/394)
98.0% (386/394)	2215	89.1% (351/394)	92.5% (37/40)	5.0% (2/40)	1.5% (6/394)
98.0% (386/394)	2386	89.8% (354/394)	87.8% (36/41)	9.8% (4/41)	1.0% (4/394)
98.0% (386/394)	2509	89.1% (351/394)	90.2% (37/41)	4.9% (2/41)	1.5% (6/394)
98.0% (386/394)	2586	89.1% (351/394)	90.2% (37/41)	4.9% (2/41)	1.5% (6/394)
98.0% (386/394)	2592	89.8% (354/394)	85.0% (34/40)	5.0% (2/40)	1.5% (6/394)
98.0% (387/395)	2	89.6% (354/395)	87.8% (36/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	9	90.1% (356/395)	85.4% (35/41)	9.8% (4/41)	1.0% (4/395)
98.0% (387/395)	15	89.6% (354/395)	87.8% (36/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	19	88.6% (350/395)	90.2% (37/41)	0.0% (0/41)	2.0% (8/395)
98.0% (387/395)	34	88.9% (351/395)	92.7% (38/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	65	89.1% (352/395)	90.2% (37/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	90	88.1% (348/395)	97.6% (40/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	107	88.9% (351/395)	92.7% (38/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	121	89.4% (353/395)	87.8% (36/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	123	90.1% (356/395)	85.4% (35/41)	9.8% (4/41)	1.0% (4/395)
98.0% (387/395)	130	89.4% (353/395)	90.2% (37/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	131	88.9% (351/395)	90.2% (37/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	142	89.4% (353/395)	90.2% (37/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	149	89.1% (352/395)	90.2% (37/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	160	89.9% (355/395)	87.8% (36/41)	9.8% (4/41)	1.0% (4/395)
98.0% (387/395)	194	89.6% (354/395)	87.8% (36/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	196	88.6% (350/395)	92.7% (38/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	220	89.4% (353/395)	87.8% (36/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	229	88.4% (349/395)	92.7% (38/41)	0.0% (0/41)	2.0% (8/395)
98.0% (387/395)	275	89.1% (352/395)	92.7% (38/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	277	90.4% (357/395)	82.9% (34/41)	9.8% (4/41)	1.0% (4/395)
98.0% (387/395)	343	89.6% (354/395)	87.8% (36/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	396	90.4% (357/395)	85.4% (35/41)	12.2% (5/41)	0.8% (3/395)
98.0% (387/395)	408	89.4% (353/395)	87.8% (36/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	411	90.1% (356/395)	85.4% (35/41)	9.8% (4/41)	1.0% (4/395)
98.0% (387/395)	413	88.9% (351/395)	90.2% (37/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	447	89.6% (354/395)	87.8% (36/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	449	89.1% (352/395)	92.7% (38/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	478	89.9% (355/395)	85.4% (35/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	495	89.4% (353/395)	87.8% (36/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	501	88.6% (350/395)	95.1% (39/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	503	87.8% (347/395)	97.6% (40/41)	0.0% (0/41)	2.0% (8/395)
98.0% (387/395)	524	87.8% (347/395)	97.6% (40/41)	0.0% (0/41)	2.0% (8/395)
98.0% (387/395)	548	88.9% (351/395)	90.2% (37/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	560	89.1% (352/395)	90.2% (37/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	580	88.1% (348/395)	95.1% (39/41)	0.0% (0/41)	2.0% (8/395)
98.0% (387/395)	583	89.9% (355/395)	85.4% (35/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	588	88.4% (349/395)	92.7% (38/41)	0.0% (0/41)	2.0% (8/395)

98.0% (387/395)	650	89.9% (355/395)	82.9% (34/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	651	88.9% (351/395)	92.7% (38/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	655	90.1% (356/395)	82.9% (34/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	666s	88.6% (350/395)	95.1% (39/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	694	89.1% (352/395)	90.2% (37/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	705	88.9% (351/395)	92.7% (38/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	750	89.6% (354/395)	87.8% (36/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	762	88.4% (349/395)	95.1% (39/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	801	89.1% (352/395)	90.2% (37/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	852	89.6% (354/395)	87.8% (36/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	875	89.6% (354/395)	87.8% (36/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	906	88.9% (351/395)	92.7% (38/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	937	88.9% (351/395)	92.7% (38/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	956	89.1% (352/395)	92.7% (38/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	980	89.4% (353/395)	85.4% (35/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	989	88.1% (348/395)	95.1% (39/41)	0.0% (0/41)	2.0% (8/395)
98.0% (387/395)	995	89.1% (352/395)	90.2% (37/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	997	88.6% (350/395)	92.7% (38/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	1010	89.4% (353/395)	90.2% (37/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	1019	89.1% (352/395)	90.2% (37/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	1036	88.4% (349/395)	95.1% (39/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	1089	89.1% (352/395)	90.2% (37/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	1091	88.1% (348/395)	95.1% (39/41)	0.0% (0/41)	2.0% (8/395)
98.0% (387/395)	1185	88.6% (350/395)	92.7% (38/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	1197	90.1% (356/395)	85.4% (35/41)	9.8% (4/41)	1.0% (4/395)
98.0% (387/395)	1209	88.4% (349/395)	92.7% (38/41)	0.0% (0/41)	2.0% (8/395)
98.0% (387/395)	1211	89.1% (352/395)	87.8% (36/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	1216	88.9% (351/395)	92.7% (38/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	1266	88.9% (351/395)	92.7% (38/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	1279	88.6% (350/395)	95.1% (39/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	1331	88.1% (348/395)	97.6% (40/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	1345	88.6% (350/395)	95.1% (39/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	1373	89.9% (355/395)	85.4% (35/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	1391	89.4% (353/395)	90.2% (37/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	1454	88.9% (351/395)	90.2% (37/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	1504	89.1% (352/395)	87.8% (36/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	1505	88.6% (350/395)	92.7% (38/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	1512	88.1% (348/395)	97.6% (40/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	1557	89.9% (355/395)	87.8% (36/41)	9.8% (4/41)	1.0% (4/395)
98.0% (387/395)	1561	89.6% (354/395)	85.4% (35/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	1563	89.6% (354/395)	87.8% (36/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	1592	88.9% (351/395)	90.2% (37/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	1597	89.4% (353/395)	87.8% (36/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	1605	89.1% (352/395)	87.8% (36/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	1640	89.1% (352/395)	92.7% (38/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	1645	87.8% (347/395)	97.6% (40/41)	0.0% (0/41)	2.0% (8/395)
98.0% (387/395)	1700	88.9% (351/395)	87.8% (36/41)	0.0% (0/41)	2.0% (8/395)
98.0% (387/395)	1790	90.1% (356/395)	85.4% (35/41)	9.8% (4/41)	1.0% (4/395)
98.0% (387/395)	2100	89.4% (353/395)	90.2% (37/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	2107	89.4% (353/395)	90.2% (37/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	2112	89.1% (352/395)	87.8% (36/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	2139	88.6% (350/395)	92.7% (38/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	2278	89.4% (353/395)	87.8% (36/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	2282s	89.1% (352/395)	92.7% (38/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	2314	88.4% (349/395)	92.7% (38/41)	0.0% (0/41)	2.0% (8/395)

98.0% (387/395)	2370	89.4% (353/395)	90.2% (37/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	2388	89.4% (353/395)	87.8% (36/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	2426	87.8% (347/395)	97.6% (40/41)	0.0% (0/41)	2.0% (8/395)
98.0% (387/395)	2430	88.9% (351/395)	87.8% (36/41)	0.0% (0/41)	2.0% (8/395)
98.0% (387/395)	2494	88.9% (351/395)	92.7% (38/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	2495	88.6% (350/395)	92.7% (38/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	2500	89.4% (353/395)	87.8% (36/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	2523	88.6% (350/395)	95.1% (39/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	2555	89.6% (354/395)	87.8% (36/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	2573	88.4% (349/395)	95.1% (39/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	2622	89.4% (353/395)	90.2% (37/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	2673	88.6% (350/395)	92.7% (38/41)	2.4% (1/41)	1.8% (7/395)
98.0% (387/395)	2721	90.1% (356/395)	85.4% (35/41)	9.8% (4/41)	1.0% (4/395)
98.0% (387/395)	2757	89.4% (353/395)	87.8% (36/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	2808	89.1% (352/395)	90.2% (37/41)	4.9% (2/41)	1.5% (6/395)
98.0% (387/395)	2860	89.4% (353/395)	90.2% (37/41)	7.3% (3/41)	1.3% (5/395)
98.0% (387/395)	2868	88.6% (350/395)	92.7% (38/41)	2.4% (1/41)	1.8% (7/395)
98.1% (202/206)	1571	90.3% (186/206)	90.0% (18/20)	10.0% (2/20)	1.0% (2/206)
98.1% (357/364)	350	90.1% (328/364)	82.9% (29/35)	0.0% (0/35)	1.9% (7/364)
98.1% (366/373)	376	90.3% (337/373)	93.8% (30/32)	3.1% (1/32)	1.6% (6/373)
98.1% (264/269)	2414	88.5% (238/269)	96.3% (26/27)	0.0% (0/27)	1.9% (5/269)
98.1% (371/378)	1327	88.1% (333/378)	97.5% (39/40)	2.5% (1/40)	1.6% (6/378)
98.2% (373/380)	1564	90.5% (344/380)	84.6% (33/39)	10.3% (4/39)	0.8% (3/380)
98.2% (267/272)	2779	89.7% (244/272)	92.0% (23/25)	0.0% (0/25)	1.8% (5/272)
98.2% (377/384)	2562	89.8% (345/384)	87.5% (35/40)	7.5% (3/40)	1.0% (4/384)
98.2% (379/386)	600	88.3% (341/386)	95.0% (38/40)	0.0% (0/40)	1.8% (7/386)
98.2% (383/390)	305	89.0% (347/390)	92.5% (37/40)	2.5% (1/40)	1.5% (6/390)
98.2% (384/391)	511	89.3% (349/391)	92.3% (36/39)	2.6% (1/39)	1.5% (6/391)
98.2% (385/392)	1186	88.3% (346/392)	95.1% (39/41)	0.0% (0/41)	1.8% (7/392)
98.2% (385/392)	1198	88.8% (348/392)	95.1% (39/41)	4.9% (2/41)	1.3% (5/392)
98.2% (386/393)	506	89.6% (352/393)	90.0% (36/40)	5.0% (2/40)	1.3% (5/393)
98.2% (386/393)	778	89.1% (350/393)	94.9% (37/39)	2.6% (1/39)	1.5% (6/393)
98.2% (386/393)	2133	88.3% (347/393)	97.6% (40/41)	2.4% (1/41)	1.5% (6/393)
98.2% (221/225)	546	90.7% (204/225)	90.5% (19/21)	9.5% (2/21)	0.9% (2/225)
98.2% (387/394)	021	89.8% (354/394)	87.5% (35/40)	5.0% (2/40)	1.3% (5/394)
98.2% (387/394)	21	90.1% (355/394)	87.8% (36/41)	9.8% (4/41)	0.8% (3/394)
98.2% (387/394)	933	88.6% (349/394)	95.1% (39/41)	2.4% (1/41)	1.5% (6/394)
98.2% (387/394)	1061	89.3% (352/394)	87.8% (36/41)	2.4% (1/41)	1.5% (6/394)
98.2% (387/394)	1510	89.6% (353/394)	87.8% (36/41)	4.9% (2/41)	1.3% (5/394)
98.2% (387/394)	1615	88.8% (350/394)	90.2% (37/41)	0.0% (0/41)	1.8% (7/394)
98.2% (387/394)	2396	89.3% (352/394)	92.5% (37/40)	5.0% (2/40)	1.3% (5/394)
98.2% (387/394)	2616	88.8% (350/394)	92.7% (38/41)	2.4% (1/41)	1.5% (6/394)
98.2% (277/282)	2467	89.0% (251/282)	92.9% (26/28)	0.0% (0/28)	1.8% (5/282)
98.2% (388/395)	039	89.6% (354/395)	90.2% (37/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	7	89.6% (354/395)	90.2% (37/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	26	90.1% (356/395)	85.4% (35/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	29	90.1% (356/395)	85.4% (35/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	44	89.6% (354/395)	87.8% (36/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	49	89.4% (353/395)	90.2% (37/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	72	89.4% (353/395)	90.2% (37/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	77	89.1% (352/395)	92.7% (38/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	166	90.1% (356/395)	85.4% (35/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	170	88.9% (351/395)	92.7% (38/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	189	88.1% (348/395)	97.6% (40/41)	0.0% (0/41)	1.8% (7/395)
98.2% (388/395)	200	89.9% (355/395)	85.4% (35/41)	4.9% (2/41)	1.3% (5/395)



98.2% (388/395)	259	88.9% (351/395)	90.2% (37/41)	0.0% (0/41)	1.8% (7/395)
98.2% (388/395)	263	89.4% (353/395)	90.2% (37/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	272	88.6% (350/395)	95.1% (39/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	353	89.1% (352/395)	92.7% (38/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	358	89.6% (354/395)	87.8% (36/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	360	89.6% (354/395)	87.8% (36/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	388	89.1% (352/395)	90.2% (37/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	438	88.9% (351/395)	92.7% (38/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	471	89.1% (352/395)	92.7% (38/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	483	88.9% (351/395)	95.1% (39/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	497	89.1% (352/395)	92.7% (38/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	498	88.9% (351/395)	90.2% (37/41)	0.0% (0/41)	1.8% (7/395)
98.2% (388/395)	502	88.4% (349/395)	97.6% (40/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	533	89.1% (352/395)	90.2% (37/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	561	88.9% (351/395)	95.1% (39/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	656	89.6% (354/395)	90.2% (37/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	661	88.4% (349/395)	97.6% (40/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	714	89.4% (353/395)	90.2% (37/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	728	90.4% (357/395)	85.4% (35/41)	9.8% (4/41)	0.8% (3/395)
98.2% (388/395)	746	89.6% (354/395)	90.2% (37/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	759	89.6% (354/395)	90.2% (37/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	765	89.6% (354/395)	90.2% (37/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	775	89.1% (352/395)	92.7% (38/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	777	89.1% (352/395)	92.7% (38/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	795	88.6% (350/395)	92.7% (38/41)	0.0% (0/41)	1.8% (7/395)
98.2% (388/395)	831	89.6% (354/395)	90.2% (37/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	844	89.6% (354/395)	87.8% (36/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	871	90.1% (356/395)	87.8% (36/41)	9.8% (4/41)	0.8% (3/395)
98.2% (388/395)	887	89.9% (355/395)	90.2% (37/41)	9.8% (4/41)	0.8% (3/395)
98.2% (388/395)	927	88.9% (351/395)	92.7% (38/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	935	88.6% (350/395)	95.1% (39/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	948	88.6% (350/395)	95.1% (39/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	971	88.6% (350/395)	95.1% (39/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	1037	89.1% (352/395)	95.1% (39/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	1039	88.9% (351/395)	92.7% (38/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	1065	88.6% (350/395)	92.7% (38/41)	0.0% (0/41)	1.8% (7/395)
98.2% (388/395)	1073	90.1% (356/395)	87.8% (36/41)	9.8% (4/41)	0.8% (3/395)
98.2% (388/395)	1080	89.6% (354/395)	87.8% (36/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	1084	89.1% (352/395)	90.2% (37/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	1118	89.4% (353/395)	92.7% (38/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	1191	89.6% (354/395)	87.8% (36/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	1192	90.4% (357/395)	82.9% (34/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	1201	89.4% (353/395)	90.2% (37/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	1218	89.6% (354/395)	90.2% (37/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	1222	89.6% (354/395)	87.8% (36/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	1226	89.1% (352/395)	92.7% (38/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	1237	88.6% (350/395)	95.1% (39/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	1240	88.9% (351/395)	92.7% (38/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	1278	90.4% (357/395)	85.4% (35/41)	9.8% (4/41)	0.8% (3/395)
98.2% (388/395)	1280	88.9% (351/395)	92.7% (38/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	1295	89.6% (354/395)	90.2% (37/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	1298	88.9% (351/395)	92.7% (38/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	1310	88.9% (351/395)	92.7% (38/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	1324	89.6% (354/395)	87.8% (36/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	1347	89.6% (354/395)	90.2% (37/41)	7.3% (3/41)	1.0% (4/395)

98.2% (388/395)	1350	88.4% (349/395)	95.1% (39/41)	0.0% (0/41)	1.8% (7/395)
98.2% (388/395)	1394	88.6% (350/395)	95.1% (39/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	1443	88.6% (350/395)	92.7% (38/41)	0.0% (0/41)	1.8% (7/395)
98.2% (388/395)	1444	89.9% (355/395)	87.8% (36/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	1479	88.9% (351/395)	90.2% (37/41)	0.0% (0/41)	1.8% (7/395)
98.2% (388/395)	1484	89.1% (352/395)	90.2% (37/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	1485	88.9% (351/395)	92.7% (38/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	1491	89.4% (353/395)	90.2% (37/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	1509	88.4% (349/395)	95.1% (39/41)	0.0% (0/41)	1.8% (7/395)
98.2% (388/395)	1545	89.1% (352/395)	92.7% (38/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	1554	89.6% (354/395)	90.2% (37/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	1609	88.6% (350/395)	95.1% (39/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	1614	88.1% (348/395)	97.6% (40/41)	0.0% (0/41)	1.8% (7/395)
98.2% (388/395)	1647	89.6% (354/395)	87.8% (36/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	1648	89.1% (352/395)	90.2% (37/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	1653	88.9% (351/395)	92.7% (38/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	1664	88.6% (350/395)	95.1% (39/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	1813	88.6% (350/395)	95.1% (39/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	2132	89.1% (352/395)	92.7% (38/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	2141	89.4% (353/395)	90.2% (37/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	2178	89.1% (352/395)	92.7% (38/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	2195	89.1% (352/395)	92.7% (38/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	2217	89.6% (354/395)	87.8% (36/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	2265	89.1% (352/395)	92.7% (38/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	2284	88.9% (351/395)	92.7% (38/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	2315	89.4% (353/395)	90.2% (37/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	2371	89.9% (355/395)	85.4% (35/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	2454	88.1% (348/395)	97.6% (40/41)	0.0% (0/41)	1.8% (7/395)
98.2% (388/395)	2508	89.1% (352/395)	92.7% (38/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	2563	89.6% (354/395)	90.2% (37/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	2633	89.1% (352/395)	92.7% (38/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	2637	89.1% (352/395)	92.7% (38/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	2670	88.4% (349/395)	97.6% (40/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	2695	89.9% (355/395)	87.8% (36/41)	7.3% (3/41)	1.0% (4/395)
98.2% (388/395)	2732	89.1% (352/395)	92.7% (38/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	2765	89.4% (353/395)	90.2% (37/41)	4.9% (2/41)	1.3% (5/395)
98.2% (388/395)	2768	89.1% (352/395)	90.2% (37/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	2774	88.9% (351/395)	92.7% (38/41)	2.4% (1/41)	1.5% (6/395)
98.2% (388/395)	2804	89.4% (353/395)	90.2% (37/41)	4.9% (2/41)	1.3% (5/395)
98.3% (226/230)	2717	91.7% (211/230)	85.0% (17/20)	10.0% (2/20)	0.9% (2/230)
98.3% (344/350)	1565	89.7% (314/350)	88.9% (32/36)	5.6% (2/36)	1.1% (4/350)
98.3% (346/352)	475	89.5% (315/352)	89.2% (33/37)	5.4% (2/37)	1.1% (4/352)
98.3% (234/238)	013	88.2% (210/238)	93.1% (27/29)	10.3% (3/29)	0.4% (1/238)
98.3% (293/298)	2907	90.6% (270/298)	89.3% (25/28)	7.1% (2/28)	1.0% (3/298)
98.3% (235/239)	2398	89.1% (213/239)	100.0% (22/22)	0.0% (0/22)	1.7% (4/239)
98.4% (364/370)	342	89.5% (331/370)	92.1% (35/38)	5.3% (2/38)	1.1% (4/370)
98.4% (245/249)	274	91.6% (228/249)	82.6% (19/23)	8.7% (2/23)	0.8% (2/249)
98.4% (247/251)	888	88.4% (222/251)	92.6% (25/27)	0.0% (0/27)	1.6% (4/251)
98.4% (372/378)	830	89.2% (337/378)	92.3% (36/39)	2.6% (1/39)	1.3% (5/378)
98.4% (315/320)	836	90.0% (288/320)	93.5% (29/31)	6.5% (2/31)	0.9% (3/320)
98.4% (126/128)	2782	89.8% (115/128)	92.3% (12/13)	7.7% (1/13)	0.8% (1/128)
98.5% (383/389)	245	88.7% (345/389)	97.4% (38/39)	0.0% (0/39)	1.5% (6/389)
98.5% (384/390)	2121	89.2% (348/390)	90.0% (36/40)	0.0% (0/40)	1.5% (6/390)
98.5% (385/391)	719	90.0% (352/391)	90.0% (36/40)	7.5% (3/40)	0.8% (3/391)
98.5% (386/392)	2101	88.8% (348/392)	95.1% (39/41)	2.4% (1/41)	1.3% (5/392)

98.5% (386/392)	2317	89.0% (349/392)	95.0% (38/40)	2.5% (1/40)	1.3% (5/392)
98.5% (386/392)	2446	88.3% (346/392)	97.6% (40/41)	0.0% (0/41)	1.5% (6/392)
98.5% (387/393)	1338	89.6% (352/393)	92.5% (37/40)	5.0% (2/40)	1.0% (4/393)
98.5% (387/393)	2653	89.1% (350/393)	92.7% (38/41)	2.4% (1/41)	1.3% (5/393)
98.5% (388/394)	591	89.3% (352/394)	92.7% (38/41)	4.9% (2/41)	1.0% (4/394)
98.5% (388/394)	1008	89.6% (353/394)	90.2% (37/41)	4.9% (2/41)	1.0% (4/394)
98.5% (388/394)	1285	90.1% (355/394)	87.8% (36/41)	7.3% (3/41)	0.8% (3/394)
98.5% (388/394)	1348	88.3% (348/394)	97.6% (40/41)	0.0% (0/41)	1.5% (6/394)
98.5% (388/394)	1397	88.6% (349/394)	97.6% (40/41)	2.4% (1/41)	1.3% (5/394)
98.5% (388/394)	1543	88.6% (349/394)	97.5% (39/40)	0.0% (0/40)	1.5% (6/394)
98.5% (388/394)	2545	89.6% (353/394)	90.2% (37/41)	4.9% (2/41)	1.0% (4/394)
98.5% (388/394)	2598	88.8% (350/394)	92.7% (38/41)	0.0% (0/41)	1.5% (6/394)
98.5% (389/395)	07	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	028	89.6% (354/395)	90.2% (37/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	034	89.4% (353/395)	90.2% (37/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	6	88.9% (351/395)	95.1% (39/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	20	89.9% (355/395)	90.2% (37/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	51	88.1% (348/395)	100.0% (41/41)	0.0% (0/41)	1.5% (6/395)
98.5% (389/395)	89	88.6% (350/395)	97.6% (40/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	111	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	129	88.6% (350/395)	95.1% (39/41)	0.0% (0/41)	1.5% (6/395)
98.5% (389/395)	139	90.1% (356/395)	90.2% (37/41)	9.8% (4/41)	0.5% (2/395)
98.5% (389/395)	140	89.1% (352/395)	92.7% (38/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	144s	89.4% (353/395)	90.2% (37/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	145	89.4% (353/395)	90.2% (37/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	153	88.9% (351/395)	95.1% (39/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	171	88.9% (351/395)	92.7% (38/41)	0.0% (0/41)	1.5% (6/395)
98.5% (389/395)	178	88.4% (349/395)	97.6% (40/41)	0.0% (0/41)	1.5% (6/395)
98.5% (389/395)	190	89.9% (355/395)	90.2% (37/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	195	89.6% (354/395)	92.7% (38/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	210	89.6% (354/395)	92.7% (38/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	227	88.6% (350/395)	97.6% (40/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	230	89.6% (354/395)	90.2% (37/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	234	89.1% (352/395)	92.7% (38/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	235	89.9% (355/395)	90.2% (37/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	237	89.1% (352/395)	92.7% (38/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	271	89.9% (355/395)	90.2% (37/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	347	88.9% (351/395)	95.1% (39/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	364	89.6% (354/395)	90.2% (37/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	394	88.9% (351/395)	92.7% (38/41)	0.0% (0/41)	1.5% (6/395)
98.5% (389/395)	414	90.1% (356/395)	87.8% (36/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	448	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	481	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	484	89.1% (352/395)	95.1% (39/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	507	89.6% (354/395)	90.2% (37/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	509	89.1% (352/395)	95.1% (39/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	550	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	556	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	568	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	662	89.4% (353/395)	90.2% (37/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	688	88.9% (351/395)	95.1% (39/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	708	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	793	88.4% (349/395)	100.0% (41/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	823	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	864	89.6% (354/395)	90.2% (37/41)	4.9% (2/41)	1.0% (4/395)

98.5% (389/395)	924	89.9% (355/395)	90.2% (37/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	925	89.1% (352/395)	92.7% (38/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	939	89.1% (352/395)	92.7% (38/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	944	90.1% (356/395)	87.8% (36/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	945	89.1% (352/395)	95.1% (39/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	952	89.4% (353/395)	90.2% (37/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	1035	89.1% (352/395)	92.7% (38/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	1056	89.4% (353/395)	90.2% (37/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	1058	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	1068	88.9% (351/395)	92.7% (38/41)	0.0% (0/41)	1.5% (6/395)
98.5% (389/395)	1120	89.9% (355/395)	90.2% (37/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	1149	88.9% (351/395)	95.1% (39/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	1163	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	1199	89.4% (353/395)	90.2% (37/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	1225	89.9% (355/395)	90.2% (37/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	1227	89.1% (352/395)	95.1% (39/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	1229	89.9% (355/395)	90.2% (37/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	1248	88.9% (351/395)	95.1% (39/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	1341	89.9% (355/395)	90.2% (37/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	1352	88.4% (349/395)	97.6% (40/41)	0.0% (0/41)	1.5% (6/395)
98.5% (389/395)	1359	88.6% (350/395)	97.6% (40/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	1406	88.6% (350/395)	95.1% (39/41)	0.0% (0/41)	1.5% (6/395)
98.5% (389/395)	1416	88.6% (350/395)	95.1% (39/41)	0.0% (0/41)	1.5% (6/395)
98.5% (389/395)	1418	88.9% (351/395)	95.1% (39/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	1423	89.9% (355/395)	87.8% (36/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	1438	89.1% (352/395)	92.7% (38/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	1440	89.9% (355/395)	90.2% (37/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	1442	88.9% (351/395)	95.1% (39/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	1453	88.9% (351/395)	92.7% (38/41)	0.0% (0/41)	1.5% (6/395)
98.5% (389/395)	1456	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	1466	90.1% (356/395)	87.8% (36/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	1468	89.1% (352/395)	90.2% (37/41)	0.0% (0/41)	1.5% (6/395)
98.5% (389/395)	1470	89.1% (352/395)	92.7% (38/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	1471	89.6% (354/395)	90.2% (37/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	1480	88.9% (351/395)	92.7% (38/41)	0.0% (0/41)	1.5% (6/395)
98.5% (389/395)	1481	90.4% (357/395)	87.8% (36/41)	9.8% (4/41)	0.5% (2/395)
98.5% (389/395)	1483	89.4% (353/395)	90.2% (37/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	1520	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	1538	89.1% (352/395)	92.7% (38/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	1547	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	1566	90.4% (357/395)	87.8% (36/41)	9.8% (4/41)	0.5% (2/395)
98.5% (389/395)	1583	88.9% (351/395)	95.1% (39/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	1585	89.6% (354/395)	92.7% (38/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	1594	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	1598	89.6% (354/395)	90.2% (37/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	1602	89.1% (352/395)	95.1% (39/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	1604	89.1% (352/395)	95.1% (39/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	1632	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	1639	88.1% (348/395)	100.0% (41/41)	0.0% (0/41)	1.5% (6/395)
98.5% (389/395)	1649	88.9% (351/395)	95.1% (39/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	1670	88.4% (349/395)	97.6% (40/41)	0.0% (0/41)	1.5% (6/395)
98.5% (389/395)	1672	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	1691	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	1787	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	1792	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)

98.5% (389/395)	2117	88.6% (350/395)	97.6% (40/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	2136	89.1% (352/395)	95.1% (39/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	2137	89.1% (352/395)	95.1% (39/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	2172	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	2173	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	2181	89.9% (355/395)	90.2% (37/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	2266	88.9% (351/395)	95.1% (39/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	2281	89.9% (355/395)	87.8% (36/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	2297	89.6% (354/395)	90.2% (37/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	2301	88.6% (350/395)	95.1% (39/41)	0.0% (0/41)	1.5% (6/395)
98.5% (389/395)	2324	89.6% (354/395)	87.8% (36/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	2420	89.6% (354/395)	90.2% (37/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	2451	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	2462	88.9% (351/395)	95.1% (39/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	2515	89.4% (353/395)	90.2% (37/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	2521	90.1% (356/395)	87.8% (36/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	2525	89.9% (355/395)	90.2% (37/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	2549	90.1% (356/395)	87.8% (36/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	2550	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	2571	90.1% (356/395)	87.8% (36/41)	7.3% (3/41)	0.8% (3/395)
98.5% (389/395)	2645	89.1% (352/395)	95.1% (39/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	2689	88.6% (350/395)	95.1% (39/41)	0.0% (0/41)	1.5% (6/395)
98.5% (389/395)	2724	89.6% (354/395)	90.2% (37/41)	4.9% (2/41)	1.0% (4/395)
98.5% (389/395)	2749	88.6% (350/395)	97.6% (40/41)	2.4% (1/41)	1.3% (5/395)
98.5% (389/395)	2856	89.4% (353/395)	92.7% (38/41)	4.9% (2/41)	1.0% (4/395)
98.5% (197/200)	2725	88.5% (177/200)	95.5% (21/22)	4.5% (1/22)	1.0% (2/200)
98.6% (274/278)	1119	89.6% (249/278)	96.2% (25/26)	0.0% (0/26)	1.4% (4/278)
98.6% (343/348)	1421	91.7% (319/348)	89.7% (26/29)	6.9% (2/29)	0.9% (3/348)
98.6% (207/210)	2567	89.5% (188/210)	91.3% (21/23)	8.7% (2/23)	0.5% (1/210)
98.6% (279/283)	1131	89.0% (252/283)	96.4% (27/28)	0.0% (0/28)	1.4% (4/283)
98.6% (218/221)	711	89.6% (198/221)	90.9% (20/22)	0.0% (0/22)	1.4% (3/221)
98.6% (364/369)	1207	90.8% (335/369)	88.6% (31/35)	5.7% (2/35)	0.8% (3/369)
98.6% (146/148)	573	91.9% (136/148)	83.3% (10/12)	0.0% (0/12)	1.4% (2/148)
98.7% (372/377)	332	89.4% (337/377)	92.3% (36/39)	2.6% (1/39)	1.1% (4/377)
98.7% (374/379)	231	88.7% (336/379)	97.4% (38/39)	0.0% (0/39)	1.3% (5/379)
98.7% (75/76)	416	89.5% (68/76)	87.5% (7/8)	0.0% (0/8)	1.3% (1/76)
98.7% (382/387)	1388	89.4% (346/387)	90.0% (36/40)	0.0% (0/40)	1.3% (5/387)
98.7% (384/389)	1578	88.7% (345/389)	97.6% (40/41)	2.4% (1/41)	1.0% (4/389)
98.7% (385/390)	55	89.0% (347/390)	95.1% (39/41)	2.4% (1/41)	1.0% (4/390)
98.7% (308/312)	2179	89.4% (279/312)	93.5% (29/31)	0.0% (0/31)	1.3% (4/312)
98.7% (231/234)	2905	87.2% (204/234)	96.6% (28/29)	3.4% (1/29)	0.9% (2/234)
98.7% (386/391)	45	89.5% (350/391)	94.9% (37/39)	2.6% (1/39)	1.0% (4/391)
98.7% (386/391)	2783	90.3% (353/391)	87.5% (35/40)	5.0% (2/40)	0.8% (3/391)
98.7% (387/392)	1530	89.5% (351/392)	92.7% (38/41)	4.9% (2/41)	0.8% (3/392)
98.7% (388/393)	682	89.8% (353/393)	92.5% (37/40)	5.0% (2/40)	0.8% (3/393)
98.7% (388/393)	1779	89.6% (352/393)	92.5% (37/40)	2.5% (1/40)	1.0% (4/393)
98.7% (389/394)	95	88.8% (350/394)	97.6% (40/41)	2.4% (1/41)	1.0% (4/394)
98.7% (389/394)	125	88.6% (349/394)	97.6% (40/41)	0.0% (0/41)	1.3% (5/394)
98.7% (389/394)	410	90.1% (355/394)	90.0% (36/40)	5.0% (2/40)	0.8% (3/394)
98.7% (389/394)	979	89.1% (351/394)	92.7% (38/41)	0.0% (0/41)	1.3% (5/394)
98.7% (389/394)	1032	89.6% (353/394)	92.7% (38/41)	4.9% (2/41)	0.8% (3/394)
98.7% (389/394)	1581	89.6% (353/394)	92.5% (37/40)	2.5% (1/40)	1.0% (4/394)
98.7% (389/394)	1786	88.6% (349/394)	97.6% (40/41)	0.0% (0/41)	1.3% (5/394)
98.7% (389/394)	2767	89.1% (351/394)	95.0% (38/40)	0.0% (0/40)	1.3% (5/394)
98.7% (390/395)	036	89.1% (352/395)	95.1% (39/41)	2.4% (1/41)	1.0% (4/395)

98.7% (390/395)	5	89.6% (354/395)	87.8% (36/41)	0.0% (0/41)	1.3% (5/395)
98.7% (390/395)	12	89.6% (354/395)	87.8% (36/41)	0.0% (0/41)	1.3% (5/395)
98.7% (390/395)	57	88.9% (351/395)	95.1% (39/41)	0.0% (0/41)	1.3% (5/395)
98.7% (390/395)	122	89.9% (355/395)	92.7% (38/41)	7.3% (3/41)	0.5% (2/395)
98.7% (390/395)	147	89.1% (352/395)	95.1% (39/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	183	89.6% (354/395)	92.7% (38/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	198	89.9% (355/395)	90.2% (37/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	202	89.6% (354/395)	92.7% (38/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	219	89.9% (355/395)	90.2% (37/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	232	89.6% (354/395)	92.7% (38/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	239	89.4% (353/395)	95.1% (39/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	240	89.1% (352/395)	95.1% (39/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	244	88.9% (351/395)	95.1% (39/41)	0.0% (0/41)	1.3% (5/395)
98.7% (390/395)	260	89.9% (355/395)	92.7% (38/41)	7.3% (3/41)	0.5% (2/395)
98.7% (390/395)	261	89.6% (354/395)	92.7% (38/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	298	89.9% (355/395)	90.2% (37/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	324	89.6% (354/395)	92.7% (38/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	371	89.6% (354/395)	90.2% (37/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	390	88.9% (351/395)	97.6% (40/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	409	88.6% (350/395)	97.6% (40/41)	0.0% (0/41)	1.3% (5/395)
98.7% (390/395)	461	89.6% (354/395)	92.7% (38/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	504	89.9% (355/395)	90.2% (37/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	563	89.1% (352/395)	95.1% (39/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	597	89.9% (355/395)	87.8% (36/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	669	90.1% (356/395)	90.2% (37/41)	7.3% (3/41)	0.5% (2/395)
98.7% (390/395)	680	89.1% (352/395)	95.1% (39/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	689	88.9% (351/395)	95.1% (39/41)	0.0% (0/41)	1.3% (5/395)
98.7% (390/395)	698	89.6% (354/395)	92.7% (38/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	703	89.1% (352/395)	95.1% (39/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	899	89.4% (353/395)	95.1% (39/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	900	89.6% (354/395)	92.7% (38/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	941	89.9% (355/395)	90.2% (37/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	946	88.9% (351/395)	97.6% (40/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	957	88.9% (351/395)	95.1% (39/41)	0.0% (0/41)	1.3% (5/395)
98.7% (390/395)	959	88.6% (350/395)	97.6% (40/41)	0.0% (0/41)	1.3% (5/395)
98.7% (390/395)	986	89.4% (353/395)	92.7% (38/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	1031	88.6% (350/395)	97.6% (40/41)	0.0% (0/41)	1.3% (5/395)
98.7% (390/395)	1057	89.9% (355/395)	90.2% (37/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	1078	89.4% (353/395)	95.1% (39/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	1088	88.6% (350/395)	97.6% (40/41)	0.0% (0/41)	1.3% (5/395)
98.7% (390/395)	1121	89.4% (353/395)	95.1% (39/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	1155	89.6% (354/395)	92.7% (38/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	1157	90.1% (356/395)	90.2% (37/41)	7.3% (3/41)	0.5% (2/395)
98.7% (390/395)	1178	88.9% (351/395)	95.1% (39/41)	0.0% (0/41)	1.3% (5/395)
98.7% (390/395)	1180	88.6% (350/395)	97.6% (40/41)	0.0% (0/41)	1.3% (5/395)
98.7% (390/395)	1205	90.1% (356/395)	90.2% (37/41)	7.3% (3/41)	0.5% (2/395)
98.7% (390/395)	1232	89.4% (353/395)	95.1% (39/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	1235	89.6% (354/395)	90.2% (37/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	1238	89.6% (354/395)	92.7% (38/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	1290	89.4% (353/395)	95.1% (39/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	1296	88.9% (351/395)	97.6% (40/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	1316	88.9% (351/395)	97.6% (40/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	1318	88.6% (350/395)	97.6% (40/41)	0.0% (0/41)	1.3% (5/395)
98.7% (390/395)	1329	88.6% (350/395)	97.6% (40/41)	0.0% (0/41)	1.3% (5/395)
98.7% (390/395)	1356	90.4% (357/395)	90.2% (37/41)	9.8% (4/41)	0.3% (1/395)

98.7% (390/395)	1385	89.6% (354/395)	92.7% (38/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	1472	89.6% (354/395)	92.7% (38/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	1475	89.6% (354/395)	90.2% (37/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	1494	89.6% (354/395)	92.7% (38/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	1508	88.9% (351/395)	95.1% (39/41)	0.0% (0/41)	1.3% (5/395)
98.7% (390/395)	1521	89.6% (354/395)	92.7% (38/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	1544	90.1% (356/395)	90.2% (37/41)	7.3% (3/41)	0.5% (2/395)
98.7% (390/395)	1552	89.1% (352/395)	95.1% (39/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	1562	89.1% (352/395)	95.1% (39/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	1568	89.6% (354/395)	92.7% (38/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	1570	89.4% (353/395)	92.7% (38/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	1603	89.6% (354/395)	92.7% (38/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	1635	88.4% (349/395)	100.0% (41/41)	0.0% (0/41)	1.3% (5/395)
98.7% (390/395)	1680	89.4% (353/395)	92.7% (38/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	1702	88.9% (351/395)	95.1% (39/41)	0.0% (0/41)	1.3% (5/395)
98.7% (390/395)	1791	89.1% (352/395)	95.1% (39/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	2097	89.4% (353/395)	92.7% (38/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	2142	89.1% (352/395)	95.1% (39/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	2200	90.4% (357/395)	87.8% (36/41)	7.3% (3/41)	0.5% (2/395)
98.7% (390/395)	2224	89.4% (353/395)	95.1% (39/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	2346	89.6% (354/395)	90.2% (37/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	2381	89.1% (352/395)	95.1% (39/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	2407	89.1% (352/395)	95.1% (39/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	2415	90.1% (356/395)	90.2% (37/41)	7.3% (3/41)	0.5% (2/395)
98.7% (390/395)	2439	89.6% (354/395)	92.7% (38/41)	4.9% (2/41)	0.8% (3/395)
98.7% (390/395)	2458	89.4% (353/395)	92.7% (38/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	2496	89.1% (352/395)	95.1% (39/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	2502	89.4% (353/395)	92.7% (38/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	2511	88.9% (351/395)	97.6% (40/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	2641	88.9% (351/395)	97.6% (40/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	2714	88.9% (351/395)	95.1% (39/41)	0.0% (0/41)	1.3% (5/395)
98.7% (390/395)	2730	89.6% (354/395)	90.2% (37/41)	2.4% (1/41)	1.0% (4/395)
98.7% (390/395)	2863	89.1% (352/395)	95.1% (39/41)	2.4% (1/41)	1.0% (4/395)
98.7% (157/159)	2177	90.6% (144/159)	100.0% (13/13)	0.0% (0/13)	1.3% (2/159)
98.8% (246/249)	179	90.4% (225/249)	91.7% (22/24)	4.2% (1/24)	0.8% (2/249)
98.8% (330/334)	930	90.1% (301/334)	93.8% (30/32)	3.1% (1/32)	0.9% (3/334)
98.8% (331/335)	1467	89.6% (300/335)	94.1% (32/34)	2.9% (1/34)	0.9% (3/335)
98.9% (179/181)	800	88.4% (160/181)	100.0% (19/19)	0.0% (0/19)	1.1% (2/181)
99.0% (385/389)	730	90.0% (350/389)	97.3% (36/37)	2.7% (1/37)	0.8% (3/389)
99.0% (386/390)	120	89.5% (349/390)	95.0% (38/40)	2.5% (1/40)	0.8% (3/390)
99.0% (193/195)	2307	92.8% (181/195)	86.7% (13/15)	6.7% (1/15)	0.5% (1/195)
99.0% (387/391)	496	89.0% (348/391)	97.5% (39/40)	0.0% (0/40)	1.0% (4/391)
99.0% (388/392)	1340	90.1% (353/392)	90.0% (36/40)	2.5% (1/40)	0.8% (3/392)
99.0% (389/393)	768	89.6% (352/393)	95.1% (39/41)	4.9% (2/41)	0.5% (2/393)
99.0% (389/393)	1142	89.8% (353/393)	92.5% (37/40)	2.5% (1/40)	0.8% (3/393)
99.0% (389/393)	1789	89.3% (351/393)	92.7% (38/41)	0.0% (0/41)	1.0% (4/393)
99.0% (390/394)	587	89.6% (353/394)	95.0% (38/40)	2.5% (1/40)	0.8% (3/394)
99.0% (390/394)	1158	89.1% (351/394)	95.1% (39/41)	0.0% (0/41)	1.0% (4/394)
99.0% (390/394)	2182	89.8% (354/394)	92.7% (38/41)	4.9% (2/41)	0.5% (2/394)
99.0% (390/394)	2322	89.1% (351/394)	95.1% (39/41)	0.0% (0/41)	1.0% (4/394)
99.0% (390/394)	2621	89.1% (351/394)	97.5% (39/40)	0.0% (0/40)	1.0% (4/394)
99.0% (293/296)	926	89.9% (266/296)	96.6% (28/29)	3.4% (1/29)	0.7% (2/296)
99.0% (391/395)	3	89.1% (352/395)	97.6% (40/41)	2.4% (1/41)	0.8% (3/395)
99.0% (391/395)	14	89.4% (353/395)	95.1% (39/41)	2.4% (1/41)	0.8% (3/395)
99.0% (391/395)	43	89.6% (354/395)	92.7% (38/41)	2.4% (1/41)	0.8% (3/395)





99.0% (391/395)	2201	89.9% (355/395)	92.7% (38/41)	4.9% (2/41)	0.5% (2/395)
99.0% (391/395)	2354	89.9% (355/395)	92.7% (38/41)	4.9% (2/41)	0.5% (2/395)
99.0% (391/395)	2355	88.9% (351/395)	97.6% (40/41)	0.0% (0/41)	1.0% (4/395)
99.0% (391/395)	2362	89.9% (355/395)	92.7% (38/41)	4.9% (2/41)	0.5% (2/395)
99.0% (391/395)	2444	88.9% (351/395)	97.6% (40/41)	0.0% (0/41)	1.0% (4/395)
99.0% (391/395)	2466	89.4% (353/395)	95.1% (39/41)	2.4% (1/41)	0.8% (3/395)
99.0% (391/395)	2471	89.4% (353/395)	95.1% (39/41)	2.4% (1/41)	0.8% (3/395)
99.0% (391/395)	2479	88.9% (351/395)	97.6% (40/41)	0.0% (0/41)	1.0% (4/395)
99.0% (391/395)	2518	89.1% (352/395)	97.6% (40/41)	2.4% (1/41)	0.8% (3/395)
99.0% (391/395)	2522	89.4% (353/395)	95.1% (39/41)	2.4% (1/41)	0.8% (3/395)
99.0% (391/395)	2754	89.9% (355/395)	92.7% (38/41)	4.9% (2/41)	0.5% (2/395)
99.0% (391/395)	2773	89.4% (353/395)	95.1% (39/41)	2.4% (1/41)	0.8% (3/395)
99.0% (196/198)	246	88.4% (175/198)	95.5% (21/22)	0.0% (0/22)	1.0% (2/198)
99.0% (201/203)	1633	88.2% (179/203)	95.7% (22/23)	0.0% (0/23)	1.0% (2/203)
99.0% (202/204)	2529	88.7% (181/204)	91.7% (22/24)	4.2% (1/24)	0.5% (1/204)
99.0% (202/204)	2650	87.3% (178/204)	100.0% (24/24)	0.0% (0/24)	1.0% (2/204)
99.0% (304/307)	1560	89.6% (275/307)	96.8% (30/31)	3.2% (1/31)	0.7% (2/307)
99.0% (206/208)	771	88.9% (185/208)	100.0% (21/21)	0.0% (0/21)	1.0% (2/208)
99.2% (371/374)	1145	89.6% (335/374)	94.7% (36/38)	0.0% (0/38)	0.8% (3/374)
99.2% (249/251)	940	89.6% (225/251)	100.0% (24/24)	0.0% (0/24)	0.8% (2/251)
99.2% (379/382)	2475	89.3% (341/382)	95.0% (38/40)	0.0% (0/40)	0.8% (3/382)
99.2% (386/389)	2389	89.5% (348/389)	97.4% (38/39)	0.0% (0/39)	0.8% (3/389)
99.2% (129/130)	2316	92.3% (120/130)	90.0% (9/10)	0.0% (0/10)	0.8% (1/130)
99.2% (388/391)	1599	89.3% (349/391)	97.5% (39/40)	0.0% (0/40)	0.8% (3/391)
99.2% (259/261)	2287	90.0% (235/261)	92.9% (26/28)	7.1% (2/28)	0.0% (0/261)
99.2% (390/393)	877	89.6% (352/393)	97.4% (38/39)	0.0% (0/39)	0.8% (3/393)
99.2% (390/393)	962	89.3% (351/393)	95.1% (39/41)	0.0% (0/41)	0.8% (3/393)
99.2% (391/394)	431	89.1% (351/394)	97.6% (40/41)	0.0% (0/41)	0.8% (3/394)
99.2% (391/394)	516	89.1% (351/394)	97.6% (40/41)	0.0% (0/41)	0.8% (3/394)
99.2% (391/394)	664	89.3% (352/394)	95.1% (39/41)	0.0% (0/41)	0.8% (3/394)
99.2% (391/394)	685	90.1% (355/394)	92.5% (37/40)	2.5% (1/40)	0.5% (2/394)
99.2% (391/394)	1023	89.3% (352/394)	97.5% (39/40)	0.0% (0/40)	0.8% (3/394)
99.2% (391/394)	2788s	89.3% (352/394)	97.5% (39/40)	0.0% (0/40)	0.8% (3/394)
99.2% (392/395)	8	89.9% (355/395)	95.1% (39/41)	4.9% (2/41)	0.3% (1/395)
99.2% (392/395)	17	89.4% (353/395)	97.6% (40/41)	2.4% (1/41)	0.5% (2/395)
99.2% (392/395)	66	89.6% (354/395)	92.7% (38/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	75	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	83	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	105	89.9% (355/395)	95.1% (39/41)	4.9% (2/41)	0.3% (1/395)
99.2% (392/395)	143	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	167	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	199	89.6% (354/395)	95.1% (39/41)	2.4% (1/41)	0.5% (2/395)
99.2% (392/395)	201	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	204	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	284	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	361	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	363	89.4% (353/395)	95.1% (39/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	367	89.4% (353/395)	97.6% (40/41)	2.4% (1/41)	0.5% (2/395)
99.2% (392/395)	386	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	399	90.1% (356/395)	92.7% (38/41)	4.9% (2/41)	0.3% (1/395)
99.2% (392/395)	402	89.4% (353/395)	95.1% (39/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	476	89.9% (355/395)	95.1% (39/41)	4.9% (2/41)	0.3% (1/395)
99.2% (392/395)	480	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	521	89.4% (353/395)	95.1% (39/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	564	89.4% (353/395)	95.1% (39/41)	0.0% (0/41)	0.8% (3/395)



99.2% (392/395)	1686	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	1687	89.9% (355/395)	92.7% (38/41)	2.4% (1/41)	0.5% (2/395)
99.2% (392/395)	1698	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	1705	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	2098	89.6% (354/395)	95.1% (39/41)	2.4% (1/41)	0.5% (2/395)
99.2% (392/395)	2099	88.9% (351/395)	100.0% (41/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	2122	89.6% (354/395)	95.1% (39/41)	2.4% (1/41)	0.5% (2/395)
99.2% (392/395)	2204	89.4% (353/395)	95.1% (39/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	2249	89.6% (354/395)	95.1% (39/41)	2.4% (1/41)	0.5% (2/395)
99.2% (392/395)	2255	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	2261	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	2292	89.4% (353/395)	97.6% (40/41)	2.4% (1/41)	0.5% (2/395)
99.2% (392/395)	2352	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	2356	89.9% (355/395)	92.7% (38/41)	2.4% (1/41)	0.5% (2/395)
99.2% (392/395)	2364s	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	2367	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	2460	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	2472	89.9% (355/395)	95.1% (39/41)	4.9% (2/41)	0.3% (1/395)
99.2% (392/395)	2507	89.9% (355/395)	92.7% (38/41)	2.4% (1/41)	0.5% (2/395)
99.2% (392/395)	2510	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	2559	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	2604	89.4% (353/395)	95.1% (39/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	2635	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.2% (392/395)	2665	89.6% (354/395)	95.1% (39/41)	2.4% (1/41)	0.5% (2/395)
99.2% (392/395)	2666	89.6% (354/395)	95.1% (39/41)	2.4% (1/41)	0.5% (2/395)
99.2% (392/395)	2706	89.1% (352/395)	97.6% (40/41)	0.0% (0/41)	0.8% (3/395)
99.3% (143/144)	2282	91.0% (131/144)	92.9% (13/14)	7.1% (1/14)	0.0% (0/144)
99.3% (145/146)	1590	91.8% (134/146)	91.7% (11/12)	0.0% (0/12)	0.7% (1/146)
99.3% (304/306)	2632	90.8% (278/306)	92.9% (26/28)	0.0% (0/28)	0.7% (2/306)
99.4% (343/345)	1435	89.3% (308/345)	100.0% (35/35)	0.0% (0/35)	0.6% (2/345)
99.5% (374/376)	2636	89.4% (336/376)	97.4% (38/39)	0.0% (0/39)	0.5% (2/376)
99.5% (190/191)	1712	90.6% (173/191)	100.0% (17/17)	0.0% (0/17)	0.5% (1/191)
99.5% (391/393)	479	89.6% (352/393)	97.5% (39/40)	0.0% (0/40)	0.5% (2/393)
99.5% (391/393)	757	89.6% (352/393)	97.5% (39/40)	0.0% (0/40)	0.5% (2/393)
99.5% (392/394)	1493	89.6% (353/394)	97.5% (39/40)	0.0% (0/40)	0.5% (2/394)
99.5% (392/394)	1688	89.6% (353/394)	97.5% (39/40)	0.0% (0/40)	0.5% (2/394)
99.5% (393/395)	18	89.4% (353/395)	97.6% (40/41)	0.0% (0/41)	0.5% (2/395)
99.5% (393/395)	35	89.4% (353/395)	97.6% (40/41)	0.0% (0/41)	0.5% (2/395)
99.5% (393/395)	37	89.6% (354/395)	97.6% (40/41)	2.4% (1/41)	0.3% (1/395)
99.5% (393/395)	98	89.4% (353/395)	97.6% (40/41)	0.0% (0/41)	0.5% (2/395)
99.5% (393/395)	128	89.4% (353/395)	97.6% (40/41)	0.0% (0/41)	0.5% (2/395)
99.5% (393/395)	141	89.4% (353/395)	97.6% (40/41)	0.0% (0/41)	0.5% (2/395)
99.5% (393/395)	155	89.4% (353/395)	97.6% (40/41)	0.0% (0/41)	0.5% (2/395)
99.5% (393/395)	208	89.6% (354/395)	97.6% (40/41)	2.4% (1/41)	0.3% (1/395)
99.5% (393/395)	214	89.4% (353/395)	97.6% (40/41)	0.0% (0/41)	0.5% (2/395)
99.5% (393/395)	285	89.4% (353/395)	97.6% (40/41)	0.0% (0/41)	0.5% (2/395)
99.5% (393/395)	510	89.4% (353/395)	97.6% (40/41)	0.0% (0/41)	0.5% (2/395)
99.5% (393/395)	536	89.4% (353/395)	97.6% (40/41)	0.0% (0/41)	0.5% (2/395)
99.5% (393/395)	547	89.4% (353/395)	97.6% (40/41)	0.0% (0/41)	0.5% (2/395)
99.5% (393/395)	553	89.4% (353/395)	97.6% (40/41)	0.0% (0/41)	0.5% (2/395)
99.5% (393/395)	586	89.4% (353/395)	97.6% (40/41)	0.0% (0/41)	0.5% (2/395)
99.5% (393/395)	653	89.9% (355/395)	95.1% (39/41)	2.4% (1/41)	0.3% (1/395)
99.5% (393/395)	717	89.4% (353/395)	97.6% (40/41)	0.0% (0/41)	0.5% (2/395)
99.5% (393/395)	764	89.9% (355/395)	95.1% (39/41)	2.4% (1/41)	0.3% (1/395)
99.5% (393/395)	789	89.4% (353/395)	97.6% (40/41)	0.0% (0/41)	0.5% (2/395)



99.5% (210/211)	1400	89.6% (189/211)	95.5% (21/22)	0.0% (0/22)	0.5% (1/211)
99.6% (251/252)	1092	89.7% (226/252)	96.2% (25/26)	0.0% (0/26)	0.4% (1/252)
99.7% (299/300)	1638	90.3% (271/300)	96.6% (28/29)	0.0% (0/29)	0.3% (1/300)
99.7% (393/394)	1426	89.8% (354/394)	97.6% (40/41)	2.4% (1/41)	0.0% (0/394)
99.7% (394/395)	1460	89.9% (355/395)	97.6% (40/41)	2.4% (1/41)	0.0% (0/395)
99.7% (394/395)	1464	89.6% (354/395)	97.6% (40/41)	0.0% (0/41)	0.3% (1/395)
99.7% (394/395)	2175	89.4% (353/395)	100.0% (41/41)	0.0% (0/41)	0.3% (1/395)
100.0% (395/395)	226	89.6% (354/395)	100.0% (41/41)	0.0% (0/41)	0.0% (0/395)
100.0% (49/49)	947	87.8% (43/49)	100.0% (6/6)	0.0% (0/6)	0.0% (0/49)
100.0% (81/81)	1803	96.3% (78/81)	100.0% (3/3)	0.0% (0/3)	0.0% (0/81)
100.0% (19/19)	2290	89.5% (17/19)	100.0% (2/2)	0.0% (0/2)	0.0% (0/19)
100.0% (78/78)	2418	94.9% (74/78)	100.0% (4/4)	0.0% (0/4)	0.0% (0/78)
100.0% (22/22)	2726	86.4% (19/22)	100.0% (3/3)	0.0% (0/3)	0.0% (0/22)

It is immediately obvious that, when the total variation of John 18 is considered, the mass of the manuscripts are remarkably uniform. Only 10 manuscripts have more than 10% disagreement with the majority readings, the most disparate being manuscript 05 with 84% agreement. Fewer than one-tenth of the manuscripts have more than 5% disagreement, and over half of the manuscripts agree 98% or more with the majority readings. For each of the majority of manuscripts, in John 18 there are at most eight readings out of 395 which may be used to define groups.<sup>5</sup>

This has a clear implication for selecting manuscripts to represent the tradition in an apparatus: the large majority of manuscripts would be broadly represented by almost any randomly chosen manuscript, and would be well represented by a very small, carefully selected set of manuscripts. While it is clear that the non-majority readings provide the basis for distinguishing groups of manuscripts, it is not initially as clear that groups are well represented by manuscripts that differ most from the majority of manuscripts.<sup>6</sup>

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<sup>5</sup> The prospect of establishing groups is not as dire as this may initially sound. Even among the most highly uniform manuscripts, it could be a different set of eight readings for each group. Furthermore, if groups are defined not so often by their unique readings but by a unique profile of readings that may be shared with other groups, as McReynolds and Wisse determined, even a set of eight readings could clearly identify more groups than we currently have manuscripts available.

<sup>6</sup> This also raises a question which has been begged to this point: is our apparatus better served by selecting manuscripts based on the groups or

A simple test demonstrates the relationship between manuscripts'

agreement with the majority text and readings which may distinguish

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on the readings they represent? There are several aspects to this question that must be considered. To some extent, it is a circular question, for the readings are used to determine the groups and are not independent. On the other hand, some methods such as the Claremont Profile Method use the groups to select the readings, retaining a reading only if it was a group reading, requiring continual iteration as groups are refined. Additionally, singular readings were excluded, although a reading may be singular by an accident in reading or in group, thus may affect a manuscript's group relationship. There is also the aspect of how securely we believe we have established groups. There certainly are well established groups, such as Family 1 and Family 13. Yet even their membership varies from book to book and perhaps within a book. As described in Chapter 2, of the manuscripts included in the Luke volume, 40 of the 155 manuscripts profiled changed group membership across the three chapters of Luke sampled. As examples, manuscript 884 was determined to be a Family 1 member in chapter 20 but not in chapter 10, and manuscript 2542 in chapters 10 and 20 but not in chapter 1.

Other groups may be established with more or less certainty, complicated by mixture and corrections. In Luke, Wisse included the majority of the manuscripts in a single group,  $K^x$ , but its definition was problematic and its boundaries remained blurred, with manuscripts moving in and out of the  $K^x$  and  $K_{mix}$  groups; not surprisingly, the greatest clarity was found in pairs or small clusters of manuscripts within the massive group (Wisse, Profile Method, pp. 94-99). Wisse acknowledged (fn. 7) that further pairs and clusters could be observed with a more exhaustive search. It is not clear that  $K^x$  should be considered a group. The most difficult manuscripts to group are also the most interesting because of their age; while the oldest manuscripts, generally representing the greatest diversity, clearly represent a stage in the history of the text, it is not clear how much of their more singular nature is due to the expected loss of any family's members over time.

From a different perspective, non-textual indicators of groups have barely been considered, yet may provide significant information towards forming groups. The proposed Paulos Project at the University of Birmingham will address additional factors beyond the text which affect groups. There are also other textual features which are generally not considered. An example from John 18 is the use of the accusative with  $\lambda\epsilon\gamma\omega$  in 18:25, 30, 31, and 33. Although this is grammatically incorrect and not treated as a separate reading, the association of manuscripts 792, 1135, 2411, 2606, and 2643 in this usage is hard to ignore.

groups. As mentioned above, the majority reading usually has the support of a large majority of the manuscripts. Significant support of multiple readings is fairly rare. The following table shows the number of manuscripts agreeing with the majority readings at levels of 96% and above for the John 18 data:

John 18: Number of manuscripts			
Agreement with majority text	395 units	390 units	385 units
100%	6	25	144
≥ 99%	220	438	672
≥ 98%	711	1014	1213
≥ 97%	1168	1337	1451
≥ 96%	1436	1508	1550
≥ 95%	1537	1569	1589
Total	1659	1659	1659

For all 395 variation units in John 18, there are 6 manuscripts that agree with 100% of the majority readings, 220 manuscripts that agree with 99% or more, 711 manuscripts that agree with 98% or more, etc. The variation unit with the lowest support for its majority reading is Variation Unit 107, with 52% support. The five variation units with the lowest support are Variation Units 107, 386, 350, 262, and 22. If these five variation units are excluded and the percentage of agreements are recalculated for the remaining 390 variation units, the number of manuscripts that agree with 100% of the majority readings increases from 6 to 25, the number of manuscripts that agree with 99% or more of the majority readings increases from 220 to 438, etc. The next five variation units with the lowest support for the majority reading are Variation Units 303, 224, 257, 239, and 252. If these 10 variation units



are excluded and the percentage of agreements recalculated for the remaining 385 variation units, the number of manuscripts that agree with 100% of the majority readings increases (from 6 to 25) to 144, etc. Note that the increase in the number of manuscripts from the 395 to 390 to 385 columns is most dramatic among the manuscripts with the higher percentages.

The variation units with the lowest support for the majority reading, of course, are those where the evidence is most widely split among multiple readings. The counts above indicate that when these variation units are excluded, the range of deviation among the large majority of manuscripts is reduced to almost negligible levels. In other words, the 10 variation units identified above are those that have the best chance of distinguishing among the large majority of manuscripts, while reading these manuscripts for the rest of the variation units offers limited opportunity for refinement of groups. On the other hand, the minority of manuscripts with the greatest disagreement from the majority are least affected by excluding the 10 variation units.

The John 1-10 variation units demonstrate the same association:

John 1-10: Number of manuscripts			
Agreement with majority text	153 units	148 units	143 units
100%	43	70	180
≥ 97.5%	203	563	689
≥ 95%	865	1117	1190
≥ 92.5%	1252	1415	1441
≥ 90%	1484	1547	1578
≥ 87.5%	1577	1629	1639
≥ 85%	1647	1679	1687
≥ 80%	1706	1715	1721
≥ 75%	1735	1738	1742
Total	1785	1785	1785

The selected variation units in John 1-10 present a greater spread in percentages than the total variation of John 18, so the percentage cutoffs in the first column have been adjusted. The second column represents the calculations described above, using the 153 test passages from John 1-10. The third column repeats the calculations after deleting the five test passages (150, 91, 134, 100, 132) with the lowest support for the majority reading, and the fourth column represents calculations after deleting the next five test passages (76, 69, 32, 55, 67).

This examination of the spread of variation among the manuscripts provides significant guidance towards selecting manuscripts for the apparatus. The large majority of manuscripts have a high and compact range of agreement, and may be well represented by a small number of selected manuscripts. The results from both the selected test passages of

John 1-10 and the total variation of John 18 demonstrate that the few variation units where the support of the majority of manuscripts is divided, or equivalently where the majority reading has the least support, represent most of the variation of these manuscripts. On the other hand, the majority of the spread of variation comes from the minority of manuscripts which have a lower, imprecise agreement with the majority readings. The few variation units where the majority of manuscripts are divided do not substantially affect the spread of variation of the minority, demonstrating that a large set of readings will be needed to define any within and between group relationships. If practical considerations limit the number of manuscripts that may be included, the benefit would be to represent a wide range of the variation. The ECM practice of selecting the manuscripts with the greatest disagreement from the majority text is an objective and effective method of obtaining such a range.

The agreement with the majority text based on the John 18 variation units is displayed for all manuscripts in Table 4.1. An equivalent table is given in the John 1-10 *Text und Textwert* volume and will not be repeated here. Table 4.2 displays the manuscripts from both lists that have the highest percentage of non-majority readings.<sup>7</sup> Since the percentages

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<sup>7</sup> The manuscripts included are those that agree with the majority readings less than 85% in John 1-10 or less than 95% in John 18. Manuscript supplements were considered to be different manuscripts from their initial manuscript, so that there were 1785 manuscript units in John 1-10 and 1659 in John 18. There were 1739 manuscripts ranked in John

from John 1-10 and 18 are on such a different scale, comparing percentages between the two texts may be misleading, so the manuscripts have been ranked, and the list is sorted by the average rank of a manuscript. Both the percentage agreement and the rank are displayed; a large difference in rank could indicate that the type of text has changed between chapters 1-10 and 18. For various reasons, some manuscripts were not available in either chapters 1-10 or 18, so inclusion in the list is based on the other.

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1-10 after deleting the following 46 manuscripts, which had fewer than 10 readings: P5, P28, P36, P39, P55, P63, P95, P106, 024, 031s, 078, 091, 0101, 0105, 0127, 0162, 0210, 0258, 0273, 0286, 0287, 0302, 0306, 176, 274s, 771s, 892s, 958s, 994s, 1038s, 1052s, 1055s, 1098, 1391s, 1674, 1702s, 2455, 2519, 2547, 2551, 2552, 2569, 2584s, 2748, 2763, and 2789. Proportionally, 10 out of 153 readings in John 1-10 corresponds to 25 out of 395 readings in John 18, so there were 1652 manuscripts ranked in John 18 after deleting the following 7 manuscripts which had fewer than 25 readings: P52, P59, P108, 27, 781, 2290, and 2726. For practical reasons, the 125 manuscripts agreeing less than 85% in John 1-10 were included. Proportionally, 125 out of 1739 manuscripts in John 1-10 corresponds to 119 out of 1652 manuscripts in John 18, which happened to fall at the 95% agreement level.

Table 4.2: Percentage and Rank Agreement with the Majority Text of the Most Divergent Manuscripts in John 1-10 and John 18

Ms	Jn 1-10		Jn 18	
	Agreement	Rank	Agreement	Rank
P45	14.3%	1	-	-
P75	33.3%	2	-	-
029	34.1%	3	-	-
05	41.3%	7	84.0%	1
01	36.7%	6	87.1%	3
579s	-	-	87.3%	5
P66	44.8%	10	85.4%	2
03	34.6%	4	89.4%	8
0109	-	-	88.7%	6
P60	-	-	89.2%	7
032	36.3%	5	89.9%	9
032s	44.0%	9	-	-
1820	-	-	90.3%	10
849	46.7%	11	-	-
04	41.7%	8	90.9%	15
019	48.4%	12	90.4%	12
087	-	-	90.4%	13
033	61.2%	14	91.1%	18
2786	71.2%	28	87.3%	4
865	64.8%	19	90.6%	14
475s	-	-	90.9%	17
083	63.0%	18	-	-
070	65.5%	20	-	-
05s	-	-	91.3%	21
213	68.6%	21	91.4%	23
2129	74.2%	35	90.4%	11
1	72.5%	30	91.1%	19
69	73.7%	33	91.1%	20
2561	71.1%	27	91.6%	26
1582	73.2%	32	91.4%	22
579	72.2%	29	-	-
565	73.7%	34	91.6%	25
1654	75.8%	44	90.9%	16
33	61.8%	16	93.1%	50
022	74.5%	36	92.2%	34
892	75.5%	38	92.1%	32
13	75.7%	40	91.9%	31
2886	-	-	92.4%	37
2718	72.7%	31	92.7%	44
1819	77.8%	53	91.6%	27
205	77.8%	52	91.9%	29
1784s	-	-	92.7%	42
1253	76.0%	45	-	-
209	77.6%	50	92.7%	41
788	79.3%	59	92.1%	33
1689	-	-	92.9%	46
357	78.9%	57	92.2%	36
138	79.3%	58	92.6%	40
1071	69.3%	23	93.9%	78
086	77.8%	51	-	-

Ms	Jn 1-10		Jn 18	
	Agreement	Rank	Agreement	Rank
044	76.5%	46	93.4%	58
038	69.9%	24	94.2%	82
2643	-	-	93.2%	53
2713	79.7%	64	92.7%	43
828	77.0%	48	93.4%	60
792	79.6%	61	93.0%	49
2585	78.7%	55	-	-
124	81.7%	79	92.2%	35
346	75.6%	39	93.9%	75
1128	74.8%	37	94.0%	80
2680	79.7%	63	93.2%	54
826	79.7%	62	93.4%	59
317	57.1%	13	94.9%	111
994	80.0%	68	93.4%	61
869	79.8%	65	-	-
543	79.8%	66	93.7%	66
050	80.0%	67	-	-
2575	83.1%	94	92.7%	45
884	79.4%	60	94.1%	81
1321	82.9%	89	93.2%	52
118	80.4%	71	-	-
382	80.4%	72	-	-
1424	80.4%	73	93.9%	71
168	84.8%	115	91.9%	30
011s	-	-	93.9%	74
173	81.1%	75	-	-
983	81.2%	76	-	-
2106	80.1%	70	94.2%	83
2192	83.1%	93	93.6%	62
0233	81.6%	78	-	-
544	78.8%	56	94.7%	101
377	82.1%	82	93.9%	76
397	61.4%	15	95.4%	144
2600	81.9%	81	-	-
1009	80.0%	69	94.6%	97
2411	81.7%	80	94.4%	92
2540	82.6%	86	-	-
2148	85.5%	134	92.6%	39
27s	-	-	94.3%	88
249	82.7%	88	-	-
732	84.8%	118	93.7%	67
744	85.0%	121	93.7%	68
430	83.2%	95	-	-
1242	75.7%	41	95.4%	150
1546	82.4%	85	94.9%	107
780s	83.3%	98	-	-
2206	85.4%	131	93.6%	65
2790	83.5%	101	-	-
799	77.9%	54	95.4%	149
1319	83.6%	103	94.7%	103
733	86.2%	146	93.6%	63
472	85.0%	127	94.3%	86
0211	86.3%	150	93.6%	64

Ms	Jn 1-10		Jn 18	
	Agreement	Rank	Agreement	Rank
1506	85.9%	143	93.9%	72
2252	-	-	94.9%	108
423	83.3%	97	95.2%	131
389	83.0%	90	95.4%	141
807	84.3%	111	95.2%	126
878	85.0%	122	94.9%	115
2404	83.6%	104	95.2%	134
2478	85.6%	135	94.9%	109
2223	84.8%	116	95.2%	129
833	87.5%	197	93.2%	51
841	88.1%	211	92.6%	38
1344	86.7%	163	94.3%	87
731	87.5%	196	93.2%	55
1021	86.3%	157	94.9%	105
295	81.3%	77	95.9%	190
0141	71.1%	26	96.2%	243
2291	85.0%	124	95.4%	156
821	68.9%	22	96.2%	263
891	86.8%	170	94.9%	117
508	87.4%	189	94.7%	100
1093	82.2%	83	95.9%	209
157	77.6%	49	96.2%	247
889	87.2%	184	94.9%	116
829	88.2%	222	94.9%	113
158	84.3%	110	96.2%	232
154	89.2%	251	94.5%	95
333	83.8%	108	96.2%	242
992	83.0%	91	96.2%	267
114	84.8%	117	96.2%	245
1079	83.7%	105	96.2%	269
1219	84.2%	109	96.2%	273
772	90.8%	329	93.2%	56
1816	84.6%	113	96.2%	284
1241	62.5%	17	96.7%	392
1574	91.4%	385	93.7%	69
2463	84.3%	112	96.5%	343
1293	75.8%	43	96.8%	413
2615	84.6%	114	96.5%	347
1269	91.3%	378	94.4%	89
1463	83.4%	100	96.7%	370
1797	92.1%	458	92.9%	47
041	82.7%	87	97.0%	429
2528	91.5%	436	94.2%	84
2311	92.1%	473	93.9%	79
48	92.2%	478	94.7%	99
2304	85.0%	125	97.0%	479
1014	81.1%	74	97.2%	532
2193	76.5%	47	97.2%	560
1788	84.9%	119	97.2%	490
265	83.4%	99	97.2%	515
2188	92.7%	536	94.4%	90
16	92.7%	533	94.9%	110
1135	93.3%	603	93.4%	57

Ms	Jn 1-10		Jn 18	
	Agreement	Rank	Agreement	Rank
1335	92.8%	574	94.6%	98
2397	93.4%	632	94.4%	94
1029	83.0%	92	97.5%	637
741	93.5%	653	94.4%	91
1085	85.0%	123	97.5%	640
1534	94.0%	716	94.4%	93
017	83.6%	102	97.7%	711
798	94.7%	816	93.0%	48
1230	83.2%	96	97.7%	768
2684	94.1%	791	94.2%	85
2810	94.6%	803	93.9%	73
780	94.3%	795	94.9%	106
2766	94.8%	899	91.6%	28
857	94.7%	817	94.9%	114
1010	75.8%	42	98.0%	890
280	85.0%	120	97.9%	813
974	94.8%	869	94.6%	96
1006	94.8%	870	94.9%	118
1561	83.7%	106	98.0%	911
1571	82.2%	84	98.1%	944
2702	95.4%	1029	93.7%	70
1001	95.5%	1033	93.9%	77
1122	95.9%	1046	94.9%	119
2768	83.7%	107	98.2%	1073
1268	96.1%	1080	94.7%	102
1336	96.1%	1148	94.8%	104
597	70.6%	25	98.7%	1280
782	96.7%	1282	94.9%	112
2517	97.5%	1567	91.5%	24



Table 4.2 displays a total of 185 manuscripts: 59 are included by matching the criteria in both sections of text, chapters 1-10 and chapter 18; 38 match the criterion in one section but are missing in the other section, and 88 match the criterion in one section but not the other. Large disparities between sections within a manuscript's text are evident for several manuscripts, indicating a possible change of text within the manuscript. These may be illustrated by the following manuscripts which rank in the top 50 in one section but do not meet the criterion in the other (displaying their rank first in chapters 1-10 then in chapter 18):

- Manuscript 397: 15, 144
- Manuscript 2148: 134, 39
- Manuscript 1242: 41, 150
- Manuscript 841: 211, 38
- Manuscript 0141: 26, 243
- Manuscript 821: 22, 263
- Manuscript 157: 49, 247
- Manuscript 1241: 17, 392
- Manuscript 1293: 43, 413
- Manuscript 1797: 458, 47
- Manuscript 2193: 47, 560
- Manuscript 798: 816, 48
- Manuscript 2766: 899, 28
- Manuscript 1010: 42, 890

- Manuscript 597: 25, 1280
- Manuscript 2517: 1567, 24

Other large disparities include manuscripts 317, 168, 833, 772, 1574, and 1135.

One test for a possible change in text would be to divide the test passages into sections and examine the disparities of agreement between sections. Table 4.3 displays the results of this for John 1-10, dividing the 153 test passages into two groups, the first 77 test passages covering from the beginning of John to 6:56 and the last 76 test passages covering from 6:58 through chapter 10. Table 4.3 displays the 50 manuscripts with the greatest difference in percentage of agreement with the majority text, those manuscripts with a difference of 9% or greater. The percentage of agreement in each set of test passages is shown with their difference and the number of test passages extant in each set.

Of note, only one of the manuscripts in the list above, with the large disparity between chapters 1-10 and 18, occurs within this list of the largest disparities between the first and last halves of chapters 1-10. The single exception is GA 2517, which only has 31 of the first 77 test passages and 9 of the second 76 test passages, that is, a small sample size.

Several of the 50 manuscripts in Table 4.3 are also in Table 4.2 above (for example, the first four in the list, manuscripts 799, 032, 2540, and 579), but many of them are manuscripts that do not differ much in their rank agreement with the majority text between chapters 1-10 and 18. In particular, if a manuscript has entirely changed text at a certain point, it could be that the difference is hidden when adding counts across a larger text. In that case, the direction of a change in agreement in the two halves of the John 1-10 test passages would be expected to be confirmed in chapter 18. But for many of the manuscripts in Table 4.3, the difference between chapters 1-10 and 18 is in the opposite direction of the difference in the two halves of chapters 1-10. For example, the largest difference within chapters 1-10 is for GA 799, changing from 94.6% agreement in the first half to 61.3% in the second half, suggesting that chapter 18 would also have a low agreement. But, as Table 4.1 shows, GA 799 has a 95.4% agreement with the majority text in chapter 18.

The sample passages of chapters 1-10, compared internally and to chapter 18, do not give evidence for manuscripts changing exemplars during the copying process, or to the phenomenon sometimes referred to as “boxcar” mixture. Instead, the manuscripts that show large differences between sections are generally manuscripts with larger variation in their text. There are exceptions, such as GA 2517, though its

fragmentary text raises caution. Other manuscripts may be confirmed with full evidence, which seems warranted for several of these manuscripts due to their high variability.

Table 4.4 similarly shows the results of dividing the passages of chapter 18 into two sections, the first 198 covering 18:1-21 and the last 197 covering 18:21-40, and displays the percentage of agreement with the majority text for the two halves. The 48 manuscripts with a difference greater than 4% are displayed in the table. At best, this suggests a handful of manuscripts which may require full reading to clarify their nature, but in general these again evidence manuscripts that have higher variability.<sup>8</sup>

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<sup>8</sup> Manuscripts with fewer than 10 passages in chapters 1-10 and fewer than 25 passages in chapter 18 were excluded from Table 4.2. Similarly, manuscripts with fewer than 5 passages in either half of the chapters 1-10 passages or fewer than 12 passages in either half of chapter 18 were excluded from Tables 4.3 and 4.4.

Table 4.3: Manuscripts with the largest difference in percentage of agreement with the majority text between two halves of the chapter 1-10 test passages.

Ms	John 1-6		John 6-10		Percent Difference
	MT Agreement	Number of Passages	MT Agreement	Number of Passages	
799	94.6%	74	61.3%	75	33.3%
032	51.9%	27	30.7%	75	21.2%
2540	91.7%	12	72.7%	11	18.9%
579	62.7%	75	81.6%	76	18.9%
109	78.7%	75	97.4%	76	18.7%
865	76.2%	42	57.6%	66	18.6%
2718	64.9%	74	83.3%	54	18.5%
1253	68.9%	74	86.3%	51	17.4%
03	42.9%	77	26.3%	76	16.5%
038	77.9%	77	61.8%	76	16.1%
2786	79.2%	77	63.2%	76	16.1%
2313	80.0%	5	95.5%	22	15.5%
1692	94.7%	76	79.7%	74	15.0%
2291	77.9%	77	92.1%	76	14.2%
213	75.3%	77	61.8%	76	13.5%
1009	73.3%	75	86.7%	75	13.3%
416	97.4%	77	84.2%	76	13.2%
2561	77.6%	76	64.5%	76	13.2%
1446	80.5%	77	93.4%	76	12.9%
160	83.1%	77	96.0%	75	12.9%
32	82.5%	40	94.7%	76	12.2%
1113	93.5%	77	81.6%	76	11.9%
731	81.6%	76	93.4%	76	11.8%
683	91.8%	73	80.0%	75	11.8%
P75	38.9%	72	27.3%	66	11.6%
2517	100.0%	31	88.9%	9	11.1%
1301	86.4%	66	97.3%	75	11.0%
1630	83.8%	74	94.7%	76	11.0%
022	69.5%	59	80.4%	51	10.9%
2174	82.7%	75	93.4%	76	10.8%
2645	86.7%	75	97.4%	76	10.7%
220	92.1%	76	81.6%	76	10.5%
69	68.4%	76	78.9%	76	10.5%
33	67.1%	76	56.6%	76	10.5%
2280	96.0%	75	85.5%	76	10.5%
1148	88.3%	77	98.7%	76	10.4%
1029	77.9%	77	88.2%	76	10.2%
124	76.6%	77	86.8%	76	10.2%
2646	87.5%	64	97.4%	76	9.9%
2801	100.0%	11	90.2%	41	9.8%
2608	86.4%	44	96.1%	76	9.7%
1509	95.9%	74	86.5%	74	9.5%
174	90.5%	74	100.0%	54	9.5%
1377	94.7%	76	85.5%	76	9.2%
1788	80.3%	76	89.5%	76	9.2%
2729	100.0%	13	90.9%	22	9.1%
2661	94.4%	71	85.3%	75	9.0%
558	85.7%	77	94.7%	76	9.0%
1068	85.7%	77	94.7%	76	9.0%

Table 4.4: Manuscripts with the largest difference in percentage of agreement with the majority text between two halves of the chapter 18 variant passages.

Ms	John 18:1-21		John 18:21-40		Percent Difference
	MT Agreement	Number of Passages	MT Agreement	Number of Passages	
0290	100.0%	104	91.3%	127	8.7%
P60	92.7%	96	84.3%	70	8.4%
1654	93.9%	198	87.8%	197	6.1%
903	92.0%	187	98.0%	197	6.0%
731	89.2%	83	94.9%	197	5.8%
05s	95.5%	67	89.8%	197	5.7%
1182	94.3%	194	100.0%	26	5.7%
2223	98.0%	198	92.3%	196	5.6%
1398	98.5%	198	92.9%	197	5.6%
2400	99.5%	197	94.4%	197	5.1%
546	99.4%	171	94.4%	54	5.0%
1463	99.0%	198	94.4%	196	4.6%
1321	95.5%	198	90.9%	197	4.6%
2643	95.5%	198	90.9%	197	4.6%
544	97.0%	198	92.4%	197	4.6%
574	98.0%	198	93.4%	197	4.6%
1053	98.0%	198	93.4%	197	4.6%
1342	98.0%	198	93.4%	197	4.6%
270	98.5%	198	93.9%	197	4.6%
482	98.5%	198	93.9%	197	4.6%
1428	99.0%	198	94.4%	197	4.6%
262	99.5%	198	94.9%	197	4.6%
265	99.5%	198	94.9%	197	4.6%
2193	99.5%	198	94.9%	197	4.6%
1353	93.4%	198	98.0%	197	4.5%
1784s	90.4%	198	94.9%	197	4.5%
2188	92.9%	197	97.2%	106	4.3%
032	91.9%	198	87.8%	197	4.1%
2517	89.6%	67	93.7%	63	4.1%
317	97.0%	198	92.9%	197	4.1%
782	97.0%	198	92.9%	197	4.1%
581	97.5%	198	93.4%	197	4.1%
348	98.0%	198	93.9%	197	4.1%
1478s	98.0%	198	93.9%	197	4.1%
2145	98.0%	198	93.9%	197	4.1%
1313	98.5%	198	94.4%	197	4.1%
1326	98.5%	198	94.4%	197	4.1%
2516	98.5%	198	94.4%	197	4.1%
2902	98.5%	198	94.4%	197	4.1%
041	99.0%	198	94.9%	197	4.1%
268	99.0%	198	94.9%	197	4.1%
443	99.0%	198	94.9%	197	4.1%
395	99.5%	198	95.4%	197	4.1%
969	99.5%	198	95.4%	197	4.1%
2685	99.5%	198	95.4%	197	4.1%
2708	98.0%	197	93.9%	197	4.1%
1081	93.9%	198	98.0%	197	4.0%
1625	99.5%	182	95.4%	197	4.0%

Similar to counting a manuscript's agreement with the majority readings, a manuscript may be compared to any other manuscript by counting their agreements at all variation units.<sup>9</sup> A pair of manuscripts with a high proportion of agreement may be considered related, but attempts to define relationships by meeting necessary proportions have failed. As this study shows, utilizing total variation results in much higher percentages of agreement than using selected variation units.<sup>10</sup> However, the measure of agreement to the majority reading may be invariant to

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<sup>9</sup> This is commonly practiced with a long history in New Testament textual criticism, with a framework generally attributed to E. C. Colwell, "Method in Establishing Quantitative Relationships between Text-Types of New Testament Manuscripts."

<sup>10</sup> Colwell's rule, in "Quantitative Relationships", p. 59, of defining a text-type by a group of manuscripts that agree more than 70% with a gap of 10% from neighbors was based on empirical observation rather than any quantitative theory. W. L. Richards, in *The Greek Manuscripts of the Johannine Epistles*, p. 54, found that these percentages didn't work for his data, as they hadn't worked for others, and recognized that any such percentages must be flexible, but continued to set both cutoffs empirically, a practice followed by later studies, such as that of Bart Ehrman in *Didymus the Blind*, p. 202. Jean-Francois Racine, in *Basil of Caesarea*, recognized the percentages as estimates, and applied statistical theory to the percentages of agreement (pp. 241-249) but not to the percentage gaps between groups (pp. 249-255). For random samples of passages and manuscripts, the average of percentages of agreement between manuscripts will increase as the sample of variant passages approaches total variation, and the average gap between groups of manuscripts will decrease as more manuscripts are included. For example, in the total variation (3,046 passages) of a selection of the most divergent witnesses in the Catholic Epistles, the lowest percentage of agreement between any pair of manuscripts was 77.9%, see Gerd Mink, "Contamination, Coherence, and Coincidence", p. 157, while the largest gap between any manuscript and its closest relative was 13%, see Klaus Wachtel, "Conclusions", p. 221. It is clear that Colwell's results were a confirmation of pre-conceived relationships rather than a definition of text types; both the definition and the identification of text types thus require re-justification.

manuscript relationships across samples, and the INTF is developing tools to define relationships from this agreement as a standard. One such tool is standard in the *Text und Textwert* series, and is reproduced in Table 4.5 at the end of this chapter for the John 18 data.

For Table 4.5, each manuscript's agreement with the majority text and with every other manuscript was calculated. A pair of related manuscripts would be expected to share a proportion of the majority readings, plus the readings which arose (or which didn't deviate) out of their relatedness. A pair of unrelated manuscripts would be expected also to share some proportion of the majority readings, minus the readings which arose separately and define their unrelatedness. Thus a manuscript's agreement with the majority readings would form an approximate lower bound to manuscripts with which it is related, and an approximate upper bound to manuscripts with which it is unrelated. The set of manuscripts with which a manuscript agrees at a higher percentage than it agrees with the majority readings offer the most likely candidates with which it would form a group or subgroup.

Table 4.5 lists each manuscript, ordered traditionally by its name in the "Ms" column, with its agreement with the majority readings shown as a



percentage in the “MT” column.<sup>11</sup> Next is a selected list of manuscripts with which it has the greatest agreement, one manuscript per line, each labeled in the “OMs” column.<sup>12</sup> The two columns “C” and “N” will be discussed below. The overall percentage of agreement between Ms and each OMs is shown in the “Overall” column with the ratio of the number of agreements divided by the number of passages that are extant in both manuscripts. A second percentage of agreement is shown in the last column labeled “non-MT”, the agreement without the majority readings, with the ratio of the number of agreements in variation units where neither manuscript has the majority reading divided by the number of non-majority passages that are extant in both manuscripts.

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<sup>11</sup> The percentage of agreement between a manuscript and the majority readings may differ between Table 4.1 and Table 4.5. In Table 4.1, where only the agreement with the majority reading is calculated, subvariants of the majority reading are counted as agreeing with the majority reading. In Table 4.5, where the agreement of all pairs of manuscripts is calculated, subvariants of the majority reading are counted as differing from the main reading.

<sup>12</sup> There were three exceptions to this. First, fragmentary manuscripts with readings in fewer than 10% (40) of the variation units were included in the table and labeled as “frag”, without listing any related manuscripts. Second, manuscripts which did not have any related manuscripts, as defined below, were included in the table and labeled with “no close relatives”. Third, including the manuscripts of the most highly uniform group, K<sup>r</sup>, would have more than doubled the length of this table. The entry for manuscript 18 lists the other 141 members of this group, which agree on all or all but one of their extant passages. Instead of listing all 141 manuscripts for each member’s entry in the table, each other manuscript was labeled as K<sup>r</sup>, to refer to the list displayed at manuscript 18.

The manuscripts listed as OM<sub>s</sub> for each MS met three criteria, and sometimes a fourth. First, MS and OM<sub>s</sub> have non-deficient readings in at least 10 shared variation units. Second, the percentage of agreement between MS and OM<sub>s</sub> in all variation units (from the Overall column) is greater than the percentage of agreement of either MS or OM<sub>s</sub> with the majority readings. Third, the percentage of agreement between MS and OM<sub>s</sub> in non-majority text readings (from the non-MT column) is greater than 50%. If there were manuscripts that met these criteria for each MS, up to 10 other manuscripts (OM<sub>s</sub>) were listed. If there were more than 10 other manuscripts that met these three criteria, a fourth criterion was applied: other manuscripts for which the tabled value "C", described next, has a value of 3 or below were listed.

To help refine relationships, the two values "C" (class) and "N" (number) were calculated and listed in the table. The calculation of C and N was as follows: the manuscript pairs MS and OM<sub>s</sub> which did not meet the first three criteria above were deleted. The remaining pairs MS and OM<sub>s</sub> were sorted by OM<sub>s</sub>, then by the overall percentage agreement between MS and OM<sub>s</sub> (from the Overall column, call this PctAll), then by the percentage agreement between MS and OM<sub>s</sub> in the non-majority text readings (from the non-MT column, call this PctNonMT). For each OM<sub>s</sub>, C started with a value of 1, then incremented by 1 each time the PctAll or the PctNonMT within a given PctAll changed. Thus, C represents the level

of agreement that a given OMs shares with all other manuscripts for which it met the first three criteria above. The value N is the number of manuscripts for which a given OMs has that value of C. For example, if a manuscript pair Ms and OMs has values of C=1 and N=3, that OMs shares its highest level of agreement with 3 manuscripts, that particular Ms and 2 other manuscripts. Thus C and N provide an indication of the relative level and uniqueness of the percentage of agreement between a given Ms and OMs.

While this tool does not provide the criteria for defining groups of manuscripts, its value for suggesting or confirming relationships can be easily shown. For brevity in Table 4.5, the large, uniform group K<sup>r</sup> was not shown in total, but 142 group members are shown clearly in the entry for one member, GA 18. Clearly this group may be well represented in an apparatus by including two or three members.

Wisse identified 10 members of Family 1 in at least part of Luke: 1, 118, 131, 205, 2886 (formerly called 205<sup>abs</sup>), 209, 884, 1582, 2193, and 2542. All of these but 131 and 2542 are listed in Table 4.2 for inclusion in the John apparatus; 2542 does not contain John. The OMs (other manuscript) entries for these in Table 4.5 are as follows:

Ms 1: 1582, 2517, 209, 565, 2702, 205, 2713, 2886, 1784s, 087

Ms 118: lacunose in John 18 (but in John 1-10: 209, 205, 2713)

Ms 131: 766, 1804

Ms 205: 2886, 209, 2713, 1, 1582, 1784s, 2517, 565, 087, 475s

Ms 209: 2713, 1, 205, 2886, 994, 1784s, 1582, 565, 357, 2702

Ms 884: 138, 994, 2684, 2575, 357, 209, 2702, 565, 087

Ms 1582: 1, 2517, 209, 565, 2702, 357, 205, 2886, 2713, 087

Ms 2193: 041, 2902, 787, 1079, 1219, 699, 114, 017, 158, 1313

Ms 2886: 205, 209, 2713, 1, 1582, 565, 1784s, 2702, 475s, 2517

This suggests that 1, 118, 205, 209, 1582, and 2886 are still likely Family 1 members, that 131 and 2193 are not in John, and that 884 may have elements but is not likely a member. Additional manuscripts are identified as deserving further attention: 357, 475s, 565, 1784s, 2517, 2702, and 2713. As a family, a selection of these manuscripts would suffice for the apparatus, but there are other factors to be considered too, making that an editorial decision.

After  $K^x$  and  $K^r$ , Wisse identified Family  $\Pi$  as the third largest family of manuscripts, making it a leading candidate for conserving minuscules in the apparatus. Table 4.2 includes GA 041 based on the John 1-10 results, but not on the John 18 results. In Table 4.5, GA 041 is associated with 114, 158, 1079, 1219, 1816, 2193 and 2404, all of which are similarly included in Table 4.2 based on John 1-10 results, but none of which would be included based on John 18 results. In John 1-10, GA 041 is also associated with 114 and 1079, then another set of manuscripts, all

but one of which are included in Table 4.2, and all but two of which are included based on John 1-10 only. This suggests that there is a looser association among this group of manuscripts, but an association that is more divergent from the majority in John 1-10 than in John 18. Another possibility that cannot be ruled out without more evidence is that the selection of test passages in John 1-10 included passages where Family Π stood out, while its distinctiveness was evident but less divergent when considering total variation.

There were five manuscripts identified above that showed dramatic changes in rank agreement with the majority readings between John 1-10 and 18 and in favor of being included in the apparatus based on John 18 only. Of these, GA 2517 is a candidate for inclusion in Family 1 in chapter 18; GA 841 is paired with GA 2188 in Table 4.5 and in the equivalent table in John 1-10 but does not otherwise display relationships; both GA 1797 and GA 2766 were unremarkable in John 1-10 and had no close relatives in John 18; and GA 798 was paired with GA 037 in both John 1-10 and 18, but only has text in 18:1-5. Each of these deserves consideration to be included in the apparatus.

Table 4.5: Agreement of each manuscript to the majority text and to the closest other manuscripts

Ms	MT	OMs	C	N	Overall	non-MT
P52	94.4	frag				
P59	84.6	frag				
P60	89.2	033	8	1	93%(154/166)	67%(8/12)
		04	7	1	93%(138/149)	78%(7/9)
		2517	14	1	92%(48/52)	67%(2/3)
		213	13	1	92%(152/166)	64%(7/11)
		865	13	1	92%(152/166)	67%(8/12)
P66	85.4	03	10	1	89%(177/198)	63%(10/16)
		05	1	1	89%(47/53)	100%(3/3)
P90	96.0	no close relatives				
P108	93.8	frag				
01	86.8	032	4	1	90%(356/395)	83%(24/29)
02	95.2	no close relatives				
03	89.1	0109	4	2	95%(92/97)	90%(9/10)
		04	1	1	95%(311/329)	78%(21/27)
		019	2	1	94%(373/395)	84%(27/32)
		1819	7	1	93%(368/395)	75%(21/28)
		1820	5	1	93%(346/373)	78%(21/27)
		865	11	1	92%(362/395)	74%(20/27)
		033	13	1	91%(361/395)	76%(19/25)
		2129	7	1	91%(360/394)	68%(19/28)
		032	1	1	91%(360/395)	71%(20/28)
		P66	1	1	89%(177/198)	63%(10/16)
04	90.9	03	2	1	95%(311/329)	78%(21/27)
		019	6	1	94%(308/329)	82%(18/22)
		33	9	1	94%(302/323)	77%(13/17)
		1820	4	1	94%(287/307)	84%(16/19)
		1321	10	1	93%(307/329)	87%(13/15)
		1819	6	1	93%(307/329)	79%(15/19)
		P60	2	1	93%(138/149)	78%(7/9)
		033	9	1	92%(304/329)	94%(17/18)
		865	8	1	92%(304/329)	90%(17/19)
		2129	4	1	92%(301/328)	79%(15/19)
05	84.0	P66	2	1	89%(47/53)	100%(3/3)
05s	91.3	2517	13	1	92%(120/130)	75%(3/4)
07	98.5	461	1	5	100%(394/395)	100%(5/5)
		2907	1	4	100%(297/298)	100%(4/4)
		550	2	4	100%(393/395)	100%(5/5)
		1341	2	6	100%(393/395)	100%(5/5)
		2297	2	3	100%(393/395)	100%(5/5)
		2782	2	100	99%(127/128)	100%(2/2)
		2	3	6	99%(391/395)	100%(5/5)
		1470	2	5	99%(391/395)	100%(4/4)
		2679s	2	92	99%(98/99)	100%(2/2)
		2908	2	37	99%(89/90)	100%(2/2)
		778	2	11	99%(388/393)	100%(4/4)

Ms	MT	OMs	C	N	Overall	non-MT
011	97.4	1010	2	1	99%(266/268)	100%(5/5)
		2386	4	1	99%(265/268)	100%(5/5)
		207	4	1	99%(264/268)	100%(4/4)
		2369	2	2	98%(243/247)	75%(3/4)
		23	2	1	98%(260/265)	83%(5/6)
		1228	3	1	98%(263/268)	80%(4/5)
		184	3	2	98%(261/267)	100%(4/4)
		677	2	1	98%(261/267)	83%(5/6)
		1074	3	2	98%(262/268)	100%(4/4)
		1187	2	1	98%(262/268)	80%(4/5)
011s	93.9	1301	2	1	96%(126/131)	75%(3/4)
		2223	2	1	95%(125/131)	100%(2/2)
		731	1	2	94%(65/69)	100%(2/2)
013	97.9	1120	2	1	100%(237/238)	100%(4/4)
		207	1	2	99%(236/238)	100%(3/3)
		682	3	2	99%(236/238)	75%(3/4)
		1073	3	8	99%(236/238)	100%(4/4)
		1078	2	10	99%(236/238)	100%(3/3)
		1163	3	7	99%(236/238)	100%(3/3)
		1300	3	17	99%(236/238)	100%(3/3)
		1439	3	1	99%(236/238)	100%(4/4)
		2386	2	2	99%(235/237)	100%(4/4)
		2782	2	100	99%(127/128)	100%(2/2)
		96	2	1	99%(102/103)	100%(1/1)
		2679s	2	92	99%(98/99)	100%(2/2)
		87	3	2	99%(235/238)	100%(4/4)
		1008	2	2	99%(235/238)	100%(3/3)
		1684	2	2	99%(235/238)	100%(3/3)
		2195	3	5	99%(235/238)	100%(3/3)
		165	2	2	98%(234/238)	100%(4/4)
		293	2	1	98%(234/238)	100%(3/3)
		297	3	1	98%(234/238)	100%(4/4)
		1074	1	1	98%(234/238)	100%(3/3)
017	97.7	1346	4	2	99%(389/395)	86%(6/7)
		1561	6	4	98%(388/395)	100%(5/5)
		2193	8	2	98%(388/395)	86%(6/7)
		2624	12	1	98%(388/395)	86%(6/7)
		041	11	2	98%(387/395)	86%(6/7)
		582	6	1	98%(387/395)	100%(5/5)
		699	6	1	98%(387/395)	88%(7/8)
		1313	3	1	98%(387/395)	88%(7/8)
		2902	10	1	98%(387/395)	88%(7/8)
		649	5	24	98%(87/89)	100%(1/1)
019	90.4	0109	5	2	95%(92/97)	89%(8/9)
		03	3	1	94%(373/395)	84%(27/32)
		033	7	1	94%(371/395)	96%(24/25)
		865	7	1	94%(370/395)	92%(24/26)
		04	2	1	94%(308/329)	82%(18/22)
		33	8	1	94%(364/389)	74%(17/23)
		213	7	1	93%(367/395)	91%(21/23)

Ms	MT	OMs	C	N	Overall	non-MT
		1819	8	1	93%(367/395)	79%(19/24)
		1820	7	1	93%(345/373)	83%(19/23)
		032	3	1	91%(358/395)	64%(16/25)
021	98.2	416	1	226	100%(76/76)	100%(1/1)
		1238	7	28	99%(390/394)	100%(4/4)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2181	10	21	99%(389/394)	100%(4/4)
		2297	7	11	99%(389/394)	100%(4/4)
		2907	8	39	99%(293/297)	100%(3/3)
		7	12	17	99%(388/394)	100%(4/4)
		218	10	3	99%(388/394)	100%(5/5)
		1218	4	10	99%(388/394)	100%(4/4)
022	92.2	no close relatives				
028	98.5	2415	3	11	99%(392/395)	100%(4/4)
		2782	2	100	99%(127/128)	100%(2/2)
		271	3	5	99%(391/395)	100%(4/4)
		350	5	2	99%(359/364)	75%(3/4)
		475	14	30	99%(347/352)	100%(3/3)
030	97.2	2567	1	1	100%(209/210)	100%(3/3)
		2280	9	1	98%(387/395)	75%(6/8)
		2623	2	1	98%(387/395)	89%(8/9)
		649	5	24	98%(87/89)	100%(1/1)
		2193	15	1	98%(386/395)	86%(6/7)
		331	3	1	98%(385/395)	88%(7/8)
		375	9	1	98%(383/393)	100%(8/8)
		1676	7	1	98%(384/394)	89%(8/9)
		2794	12	1	97%(334/343)	89%(8/9)
		274s	4	1	97%(144/148)	100%(2/2)
031s	97.5	416	1	226	100%(74/74)	100%(1/1)
		1804	1	15	100%(120/120)	100%(3/3)
		771	2	82	100%(207/208)	100%(2/2)
		2782	2	100	99%(127/128)	100%(2/2)
		766	4	162	99%(141/143)	100%(2/2)
		748	6	64	98%(176/179)	100%(2/2)
		46	5	3	98%(385/392)	100%(8/8)
		1012	5	9	98%(386/393)	100%(6/6)
		1212	5	5	98%(386/393)	100%(7/7)
		165	6	1	98%(375/383)	83%(5/6)
032	89.9	03	9	1	91%(360/395)	71%(20/28)
		0109	11	1	91%(88/97)	63%(5/8)
		019	12	1	91%(358/395)	64%(16/25)
		01	1	1	90%(356/395)	83%(24/29)
033	91.1	865	1	1	100%(393/395)	100%(35/35)
		213	2	1	97%(382/395)	93%(27/29)
		0109	3	1	96%(93/97)	88%(7/8)
		1071	3	1	95%(375/395)	91%(19/21)
		1321	6	1	95%(374/395)	95%(20/21)
		33	4	1	95%(368/389)	78%(18/23)
		019	3	1	94%(371/395)	96%(24/25)



Ms	MT	OMs	C	N	Overall	non-MT
		P60	1	1	93%(154/166)	67%(8/12)
		2129	5	1	92%(361/394)	77%(17/22)
		03	7	1	91%(361/395)	76%(19/25)
034	98.5	1468	3	3	99%(391/395)	100%(4/4)
		1581	1	2	99%(390/394)	100%(3/3)
		1605	2	1	99%(391/395)	100%(5/5)
		2324	3	2	99%(391/395)	100%(4/4)
		2730	1	2	99%(391/395)	75%(3/4)
		171	2	2	99%(390/395)	100%(4/4)
		509	4	1	99%(390/395)	75%(3/4)
036	98.7	416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		2177	1	22	99%(158/159)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		1142	3	7	99%(390/393)	100%(2/2)
		563	2	4	99%(391/395)	100%(3/3)
		2908	2	37	99%(89/90)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
037	95.7	798	2	1	97%(55/57)	67%(2/3)
038	94.2	087	1	5	96%(50/52)	100%(3/3)
039	98.2	122	4	19	99%(391/395)	100%(4/4)
		2679s	2	92	99%(98/99)	100%(2/2)
		2907	5	3	99%(295/298)	67%(2/3)
		1632	10	1	99%(390/395)	60%(3/5)
		286	9	2	99%(385/391)	80%(4/5)
		343	6	3	99%(389/395)	80%(4/5)
041	97.0	2902	2	2	100%(393/395)	100%(12/12)
		1079	3	2	99%(392/395)	100%(12/12)
		1219	3	2	99%(392/395)	100%(12/12)
		2193	1	2	99%(392/395)	100%(10/10)
		699	3	1	99%(391/395)	100%(11/11)
		114	3	2	99%(390/395)	100%(11/11)
		1816	1	2	98%(388/395)	100%(10/10)
		158	3	1	98%(386/394)	80%(8/10)
		1313	2	2	98%(387/395)	100%(9/9)
		2404	3	3	97%(384/395)	100%(10/10)
044	93.4	33	2	1	95%(370/389)	79%(15/19)
		0109	9	1	94%(91/97)	56%(5/9)
045	98.0	2415	3	11	99%(390/393)	100%(5/5)
		2782	2	100	99%(126/127)	100%(2/2)
		271	3	5	99%(389/393)	100%(5/5)
		728	11	29	99%(388/393)	100%(5/5)
		475	14	30	99%(346/351)	100%(4/4)
		655	7	2	99%(387/393)	100%(5/5)
		656	3	1	99%(387/393)	100%(5/5)
		2369	1	4	98%(366/372)	100%(4/4)
		011	12	4	98%(262/267)	80%(4/5)
047	97.6	416	1	226	100%(76/76)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		2307	1	35	100%(157/157)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		9	6	2	99%(288/292)	100%(4/4)
		766	4	162	99%(143/145)	100%(1/1)
		1804	7	160	98%(120/122)	100%(1/1)
		123	4	1	98%(287/292)	100%(4/4)
054	95.4	no close relatives				
087	90.4	038	1	1	96%(50/52)	100%(3/3)
		508	1	1	96%(50/52)	100%(3/3)
		1195	4	1	96%(50/52)	100%(3/3)
		2223	1	1	96%(50/52)	100%(3/3)
		2661	4	1	96%(50/52)	100%(3/3)
		138	6	1	96%(49/51)	100%(3/3)
		0211	1	1	94%(49/52)	100%(3/3)
		731	1	2	94%(49/52)	100%(2/2)
		2680	1	1	94%(49/52)	100%(3/3)
		33	7	1	94%(46/49)	100%(2/2)
0109	88.7	1143	1	2	100%(50/50)	100%(2/2)
		213	1	1	97%(94/97)	89%(8/9)
		033	3	1	96%(93/97)	88%(7/8)
		03	1	1	95%(92/97)	90%(9/10)
		019	1	1	95%(92/97)	89%(8/9)
		1820	3	1	95%(92/97)	90%(9/10)
		044	2	1	94%(91/97)	56%(5/9)
		2129	3	1	94%(91/97)	89%(8/9)
		579s	1	1	92%(89/97)	78%(7/9)
		032	2	1	91%(88/97)	63%(5/8)
0141	96.2	821	1	1	100%(394/395)	93%(14/15)
		1370	1	1	99%(390/395)	91%(10/11)
0211	93.6	087	3	6	94%(49/52)	100%(3/3)
0290	95.2	179	6	86	99%(129/130)	100%(1/1)
		649	4	1	98%(46/47)	100%(1/1)
1	91.1	1582	1	1	100%(393/394)	100%(34/34)
		2517	2	2	98%(127/130)	82%(9/11)
		209	2	1	97%(382/395)	96%(25/26)
		565	4	1	96%(377/393)	86%(24/28)
		2702	2	1	95%(377/395)	91%(20/22)
		205	4	1	95%(374/394)	85%(22/26)
		2713	6	1	95%(375/395)	91%(21/23)
		2886	4	1	95%(374/394)	83%(20/24)
		1784s	6	1	94%(372/395)	86%(19/22)
		087	7	2	92%(48/52)	75%(3/4)
2	98.0	1341	2	6	100%(393/395)	100%(6/6)
		461	3	18	99%(392/395)	100%(5/5)
		1295	4	6	99%(392/395)	100%(6/6)
		07	4	12	99%(391/395)	100%(5/5)
		2297	4	15	99%(391/395)	100%(5/5)

Ms	MT	OMs	C	N	Overall	non-MT
		2907	4	33	99%(295/298)	100%(4/4)
		1800	4	5	99%(390/395)	100%(6/6)
		134	4	5	99%(389/395)	100%(6/6)
		281	3	1	99%(389/395)	86%(6/7)
		351	3	1	99%(389/395)	100%(7/7)
3	99.0	1142	3	7	99%(390/393)	100%(2/2)
4	95.7	no close relatives				
5	98.7	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		2307	2	72	100%(194/195)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		179	6	86	99%(247/249)	100%(1/1)
		711	5	109	99%(219/221)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
6	98.5	no close relatives				
7	98.2	416	1	226	100%(76/76)	100%(1/1)
		1712	1	129	100%(191/191)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		1205	2	4	100%(393/395)	100%(5/5)
		2307	2	72	100%(194/195)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
		2555	3	2	99%(392/395)	100%(6/6)
		2679s	2	92	99%(98/99)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		396	2	2	99%(390/395)	100%(5/5)
		263	3	9	99%(389/395)	100%(4/4)
		584	3	5	99%(389/395)	100%(5/5)
		1118	2	4	99%(389/395)	100%(4/4)
		1349	3	7	98%(188/191)	100%(1/1)
8	99.2	105	1	8	100%(393/395)	100%(2/2)
9	98.0	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		2307	2	72	100%(194/195)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		047	4	2	99%(288/292)	100%(4/4)
		766	4	162	99%(143/145)	100%(1/1)
		775	3	1	99%(389/395)	67%(4/6)
		650	1	1	98%(388/395)	80%(4/5)
10	97.7	1194	1	1	100%(393/395)	100%(9/9)
		1091	1	1	99%(392/395)	100%(7/7)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		895	1	1	98%(387/395)	100%(7/7)
		248	1	1	98%(379/387)	83%(5/6)
		2649	8	93	98%(143/146)	100%(2/2)
11	97.7	1207	3	3	99%(366/369)	100%(5/5)

Ms	MT	OMs	C	N	Overall	non-MT
		200	4	4	99%(391/395)	100%(6/6)
		2200	6	13	99%(391/395)	100%(5/5)
		944	3	1	99%(390/395)	100%(5/5)
		112	4	2	99%(389/395)	100%(6/6)
		1324	4	2	99%(389/395)	100%(5/5)
		1444	5	1	99%(389/395)	100%(5/5)
		2371	5	6	99%(389/395)	100%(5/5)
		583	3	1	98%(388/395)	100%(5/5)
		1212	6	8	98%(387/395)	100%(6/6)
12	98.7	573	2	121	99%(147/148)	100%(1/1)
		2783	1	1	99%(388/391)	100%(3/3)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
13	91.6	826	4	1	98%(388/395)	100%(26/26)
		828	4	1	98%(388/395)	100%(26/26)
		543	4	1	98%(386/395)	96%(24/25)
		346	4	1	98%(384/394)	100%(23/23)
		788	7	1	96%(379/394)	96%(24/25)
		69	6	1	94%(373/395)	92%(22/24)
		124	6	1	94%(373/395)	100%(21/21)
		1689	6	1	94%(372/395)	81%(17/21)
14	99.0	416	1	226	100%(76/76)	100%(1/1)
		707	1	3	100%(395/395)	100%(4/4)
		2782	1	33	100%(128/128)	100%(2/2)
		199	2	4	100%(394/395)	100%(3/3)
		2098	2	4	100%(394/395)	100%(3/3)
		179	2	23	100%(248/249)	100%(2/2)
		380	2	7	100%(393/395)	100%(3/3)
		587	3	3	100%(392/394)	100%(3/3)
		711	2	25	100%(220/221)	100%(2/2)
		999	2	7	100%(393/395)	100%(3/3)
		1076	2	7	100%(393/395)	100%(3/3)
		1163	2	6	100%(393/395)	100%(4/4)
		1300	2	12	100%(393/395)	100%(3/3)
		1450	2	7	100%(393/395)	100%(3/3)
		1538	2	3	100%(393/395)	100%(4/4)
		1672	2	4	100%(393/395)	100%(4/4)
		2173	2	6	100%(393/395)	100%(4/4)
		766	2	54	99%(144/145)	100%(2/2)
		2414	3	3	99%(267/269)	100%(3/3)
		57	3	4	99%(392/395)	100%(3/3)
		198	3	7	99%(392/395)	100%(3/3)
		202	3	9	99%(392/395)	100%(3/3)
		261	3	9	99%(392/395)	100%(3/3)
		272	3	4	99%(392/395)	100%(4/4)
		353	2	7	99%(392/395)	100%(4/4)
		438	3	7	99%(392/395)	100%(4/4)
		461	3	18	99%(392/395)	100%(3/3)
		504	3	5	99%(392/395)	100%(3/3)
		777	2	4	99%(392/395)	100%(4/4)

Ms	MT	OMs	C	N	Overall	non-MT
		900	3	9	99%(392/395)	100%(3/3)
		1078	2	10	99%(392/395)	100%(3/3)
		1121	3	7	99%(392/395)	100%(3/3)
		1804	2	99	99%(121/122)	100%(2/2)
		2224	2	8	99%(392/395)	100%(3/3)
		2415	3	11	99%(392/395)	100%(3/3)
		2637	3	12	99%(392/395)	100%(4/4)
15	98.0	416	1	226	100%(76/76)	100%(1/1)
		179	2	23	100%(248/249)	100%(3/3)
		1163	2	6	100%(393/395)	100%(6/6)
		1439	2	1	100%(393/395)	100%(8/8)
		013	2	10	99%(236/238)	100%(4/4)
		1804	2	99	99%(121/122)	100%(2/2)
		2894	1	1	99%(388/391)	100%(6/6)
		53	3	2	99%(380/384)	100%(6/6)
		2679s	2	92	99%(98/99)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		522	3	2	98%(388/395)	100%(5/5)
16	94.9	1528	4	1	98%(385/395)	92%(11/12)
		370	15	24	97%(123/127)	100%(4/4)
		977	6	1	97%(382/395)	91%(10/11)
		1579	5	1	97%(381/395)	91%(10/11)
		182	2	1	96%(380/395)	83%(10/12)
17	99.2	120	2	1	100%(389/390)	100%(3/3)
		880	2	1	100%(394/395)	100%(3/3)
18	99.5	35	1	70	100%(395/395)	100%(2/2)
		128	1	70	100%(395/395)	100%(2/2)
		141	1	70	100%(395/395)	100%(2/2)
		155	1	70	100%(395/395)	100%(2/2)
		214	1	70	100%(395/395)	100%(2/2)
		246	1	124	100%(198/198)	100%(2/2)
		285	1	70	100%(395/395)	100%(2/2)
		479	1	70	100%(393/393)	100%(2/2)
		510	1	70	100%(395/395)	100%(2/2)
		536	1	70	100%(395/395)	100%(2/2)
		547	1	70	100%(395/395)	100%(2/2)
		553	1	70	100%(395/395)	100%(2/2)
		586	1	70	100%(395/395)	100%(2/2)
		757	1	70	100%(393/393)	100%(2/2)
		789	1	70	100%(395/395)	100%(2/2)
		824	1	70	100%(395/395)	100%(2/2)
		897	1	70	100%(395/395)	100%(2/2)
		928	1	70	100%(395/395)	100%(2/2)
		955	1	70	100%(395/395)	100%(2/2)
		958	1	70	100%(395/395)	100%(2/2)
		1025	1	70	100%(395/395)	100%(2/2)
		1046	1	70	100%(395/395)	100%(2/2)
		1072	1	70	100%(395/395)	100%(2/2)
		1075	1	70	100%(395/395)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		1092	1	104	100%(252/252)	100%(1/1)
		1111	1	70	100%(395/395)	100%(2/2)
		1146	1	70	100%(395/395)	100%(2/2)
		1147	1	70	100%(395/395)	100%(2/2)
		1224	1	70	100%(395/395)	100%(2/2)
		1247	1	70	100%(395/395)	100%(2/2)
		1251	1	70	100%(395/395)	100%(2/2)
		1334	1	70	100%(395/395)	100%(2/2)
		1339	1	70	100%(395/395)	100%(2/2)
		1390	1	70	100%(395/395)	100%(2/2)
		1400	1	119	100%(211/211)	100%(1/1)
		1427	1	70	100%(395/395)	100%(2/2)
		1469	1	70	100%(395/395)	100%(2/2)
		1482	1	70	100%(395/395)	100%(2/2)
		1487	1	70	100%(395/395)	100%(2/2)
		1488	1	70	100%(395/395)	100%(2/2)
		1490	1	70	100%(395/395)	100%(2/2)
		1492	1	70	100%(395/395)	100%(2/2)
		1493	1	73	100%(394/394)	100%(2/2)
		1496	1	70	100%(395/395)	100%(2/2)
		1503	1	70	100%(395/395)	100%(2/2)
		1548	1	70	100%(395/395)	100%(2/2)
		1550	1	70	100%(395/395)	100%(2/2)
		1559	1	70	100%(395/395)	100%(2/2)
		1572	1	70	100%(395/395)	100%(2/2)
		1576	1	70	100%(395/395)	100%(2/2)
		1633	1	119	100%(203/203)	100%(2/2)
		1636	1	70	100%(395/395)	100%(2/2)
		1667	1	70	100%(395/395)	100%(2/2)
		1688	1	71	100%(394/394)	100%(2/2)
		1694	1	70	100%(395/395)	100%(2/2)
		1712	1	129	100%(191/191)	100%(1/1)
		2131	1	70	100%(395/395)	100%(2/2)
		2221	1	70	100%(395/395)	100%(2/2)
		2253	1	70	100%(395/395)	100%(2/2)
		2260	1	70	100%(395/395)	100%(2/2)
		2273	1	70	100%(395/395)	100%(2/2)
		2296	1	70	100%(395/395)	100%(2/2)
		2323	1	70	100%(395/395)	100%(2/2)
		2382	1	70	100%(395/395)	100%(2/2)
		2503	1	70	100%(395/395)	100%(2/2)
		2520	1	70	100%(395/395)	100%(2/2)
		2554	1	70	100%(395/395)	100%(2/2)
		2636	1	76	100%(376/376)	100%(2/2)
		2692	1	70	100%(395/395)	100%(2/2)
		2806	1	70	100%(395/395)	100%(2/2)
		83	2	69	100%(394/395)	100%(2/2)
		167	2	68	100%(394/395)	100%(2/2)
		201	2	70	100%(394/395)	100%(2/2)
		204	2	66	100%(394/395)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		361	2	73	100%(394/395)	100%(2/2)
		363	2	66	100%(394/395)	100%(2/2)
		386	2	66	100%(394/395)	100%(2/2)
		402	2	67	100%(394/395)	100%(2/2)
		480	2	67	100%(394/395)	100%(2/2)
		521	2	67	100%(394/395)	100%(2/2)
		575	2	67	100%(394/395)	100%(2/2)
		691	2	67	100%(394/395)	100%(2/2)
		763	2	66	100%(394/395)	100%(2/2)
		769	2	68	100%(394/395)	100%(2/2)
		797	2	68	100%(394/395)	100%(2/2)
		845	2	69	100%(394/395)	100%(2/2)
		890	2	66	100%(394/395)	100%(2/2)
		932	2	70	100%(394/395)	100%(2/2)
		938	2	66	100%(394/395)	100%(2/2)
		960	2	66	100%(394/395)	100%(2/2)
		961	2	70	100%(394/395)	100%(2/2)
		962	2	67	100%(392/393)	100%(2/2)
		1003	2	67	100%(394/395)	100%(2/2)
		1018	2	65	100%(394/395)	100%(2/2)
		1020	2	67	100%(394/395)	100%(2/2)
		1023	2	70	100%(393/394)	100%(2/2)
		1030	2	69	100%(394/395)	100%(2/2)
		1040	2	67	100%(394/395)	100%(2/2)
		1117	2	67	100%(394/395)	100%(2/2)
		1132	2	67	100%(394/395)	100%(2/2)
		1145	2	73	100%(373/374)	100%(2/2)
		1165	2	73	100%(394/395)	100%(2/2)
		1181	2	67	100%(394/395)	100%(2/2)
		1189	2	66	100%(394/395)	100%(2/2)
		1328	2	69	100%(394/395)	100%(2/2)
		1389	2	70	100%(394/395)	100%(2/2)
		1435	2	75	100%(344/345)	100%(1/1)
		1445	2	68	100%(394/395)	100%(2/2)
		1477	2	70	100%(394/395)	100%(2/2)
		1489	2	69	100%(394/395)	100%(2/2)
		1497	2	70	100%(394/395)	100%(2/2)
		1499	2	66	100%(394/395)	100%(2/2)
		1501	2	67	100%(394/395)	100%(2/2)
		1551	2	66	100%(394/395)	100%(2/2)
		1596	2	70	100%(394/395)	100%(2/2)
		1599	2	66	100%(390/391)	100%(2/2)
		1617	2	67	100%(394/395)	100%(2/2)
		1618	2	69	100%(394/395)	100%(2/2)
		1619	2	65	100%(394/395)	100%(2/2)
		1620	2	70	100%(394/395)	100%(2/2)
		1628	2	70	100%(394/395)	100%(2/2)
		1650	2	66	100%(394/395)	100%(2/2)
		1686	2	67	100%(394/395)	100%(2/2)
		1698	2	69	100%(394/395)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		1705	2	69	100%(394/395)	100%(2/2)
		2122	2	70	100%(394/395)	100%(2/2)
		2204	2	67	100%(394/395)	100%(2/2)
		2249	2	66	100%(394/395)	100%(2/2)
		2255	2	68	100%(394/395)	100%(2/2)
		2261	2	66	100%(394/395)	100%(2/2)
		2352	2	67	100%(394/395)	100%(2/2)
		2364s	2	69	100%(394/395)	100%(2/2)
		2367	2	67	100%(394/395)	100%(2/2)
		2460	2	73	100%(394/395)	100%(2/2)
		2510	2	68	100%(394/395)	100%(2/2)
		2559	2	66	100%(394/395)	100%(2/2)
		2632	1	79	100%(305/306)	100%(1/1)
		2635	2	67	100%(394/395)	100%(2/2)
		2706	2	66	100%(394/395)	100%(2/2)
		2788s	2	67	100%(393/394)	100%(2/2)
		940	2	87	100%(250/251)	100%(1/1)
19	98.0	no close relatives				
20	98.5	215	1	1	100%(393/395)	100%(4/4)
		2181	6	16	99%(391/395)	100%(4/4)
		2567	2	10	99%(208/210)	100%(2/2)
		2679s	2	92	99%(98/99)	100%(2/2)
21	98.2	765	3	1	100%(392/394)	83%(5/6)
		1341	2	6	100%(392/394)	100%(5/5)
		461	3	18	99%(391/394)	100%(4/4)
		1083	1	4	99%(391/394)	100%(6/6)
		2	3	6	99%(390/394)	100%(5/5)
		509	3	1	99%(389/394)	100%(4/4)
		530	2	2	99%(388/394)	100%(5/5)
		584	3	5	99%(388/394)	100%(5/5)
		2304	3	2	99%(388/394)	100%(6/6)
		2369	1	4	98%(367/373)	100%(3/3)
22	97.7	134	1	1	99%(392/395)	100%(8/8)
		1210	1	1	99%(392/395)	100%(8/8)
		2439	4	3	99%(391/395)	100%(5/5)
		2679s	2	92	99%(98/99)	100%(2/2)
		343	5	1	99%(390/395)	71%(5/7)
		1341	9	19	99%(390/395)	100%(5/5)
		2907	8	39	99%(294/298)	100%(4/4)
		1192	3	2	99%(389/395)	100%(5/5)
		584	6	2	98%(387/395)	100%(5/5)
		1800	9	5	98%(387/395)	100%(5/5)
23	96.9	1804	7	160	98%(120/122)	100%(2/2)
		011	11	2	98%(260/265)	83%(5/6)
		1434	9	1	97%(382/392)	100%(6/6)
24	97.2	32	1	1	99%(392/395)	90%(9/10)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		269	3	1	99%(390/395)	88%(7/8)
		2812	3	1	99%(390/395)	89%(8/9)



Ms	MT	OMs	C	N	Overall	non-MT
		108	2	3	99%(389/395)	100%(8/8)
		746	4	12	99%(389/395)	100%(6/6)
		904	7	25	98%(194/198)	100%(3/3)
		1110	9	1	98%(387/395)	86%(6/7)
		156	7	2	98%(384/393)	100%(6/6)
26	98.2	2307	2	72	100%(194/195)	100%(1/1)
27	95.7	frag				
27s	94.3	475s	1	2	100%(44/44)	100%(4/4)
		1319	2	1	98%(365/371)	100%(17/17)
		1343	6	1	98%(59/60)	100%(1/1)
		2634	6	1	98%(58/59)	100%(1/1)
		2649	12	1	98%(119/122)	100%(2/2)
		2397	15	1	95%(351/371)	64%(9/14)
28	96.2	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		2649	5	93	99%(143/145)	100%(3/3)
		46	7	2	98%(282/288)	100%(5/5)
		274s	3	1	98%(42/43)	100%(1/1)
		2499	11	1	98%(282/289)	71%(5/7)
		1215	12	1	97%(281/289)	83%(5/6)
		2897	12	1	97%(281/289)	100%(5/5)
		52	11	1	97%(277/286)	100%(5/5)
		1432	4	1	97%(280/289)	60%(3/5)
29	98.2	no close relatives				
30	97.7	no close relatives				
31	96.2	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		38	7	1	98%(385/393)	88%(7/8)
		760	2	1	97%(379/389)	78%(7/9)
		1148	6	1	97%(382/392)	80%(8/10)
		1053	3	1	97%(383/394)	100%(10/10)
		1808	4	1	97%(372/384)	80%(8/10)
32	97.2	24	1	1	99%(392/395)	90%(9/10)
		269	1	1	99%(391/395)	100%(8/8)
		2812	1	2	99%(391/395)	100%(9/9)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		1110	4	2	99%(390/395)	100%(8/8)
		108	2	3	99%(389/395)	100%(8/8)
		746	4	12	99%(389/395)	100%(6/6)
		2277	4	2	98%(388/395)	100%(7/7)
		406	4	1	98%(385/395)	100%(6/6)
33	93.1	1071	1	1	96%(373/389)	71%(15/21)
		044	1	1	95%(370/389)	79%(15/19)
		1321	4	1	95%(370/389)	70%(14/20)
		033	6	1	95%(368/389)	78%(18/23)
		213	6	1	94%(366/389)	73%(16/22)
		865	5	1	94%(366/389)	78%(18/23)
		087	4	1	94%(46/49)	100%(2/2)
		019	7	1	94%(364/389)	74%(17/23)

Ms	MT	OMs	C	N	Overall	non-MT
		04	4	1	94%(302/323)	77%(13/17)
34	98.0	2782	2	100	99%(127/128)	100%(2/2)
		194	1	1	99%(391/395)	100%(6/6)
		353	5	2	99%(391/395)	83%(5/6)
		779	2	79	99%(84/85)	100%(1/1)
		1397	9	1	99%(389/394)	80%(4/5)
		1672	10	3	99%(390/395)	80%(4/5)
		2398	2	8	99%(236/239)	100%(2/2)
		2679	1	1	99%(292/296)	100%(6/6)
		193	9	2	98%(388/395)	67%(4/6)
		1684	6	6	98%(388/395)	100%(5/5)
35	99.5	Kr				
36	97.2	2634	2	234	99%(82/83)	100%(2/2)
		1592	6	3	99%(390/395)	100%(7/7)
		997	11	2	98%(388/395)	100%(6/6)
		011	10	16	98%(263/268)	100%(5/5)
		904	7	25	98%(194/198)	100%(3/3)
		2649	8	93	98%(143/146)	100%(3/3)
		2908	6	47	98%(88/90)	100%(2/2)
		24	10	1	98%(386/395)	86%(6/7)
		2812	10	1	98%(386/395)	86%(6/7)
		186	9	1	98%(385/395)	100%(6/6)
37	99.5	no close relatives				
38	97.5	969	1	1	99%(390/394)	100%(8/8)
		1148	1	1	99%(387/392)	80%(8/10)
		1808	1	1	98%(378/384)	90%(9/10)
		760	1	1	98%(382/389)	86%(6/7)
		1053	1	1	98%(387/394)	90%(9/10)
		31	2	1	98%(385/393)	88%(7/8)
		1396	5	1	98%(386/394)	100%(6/6)
		2546	3	1	98%(385/394)	90%(9/10)
		370	8	42	98%(124/127)	100%(2/2)
39	97.7	779	2	79	99%(84/85)	100%(1/1)
		1684	3	1	99%(390/395)	86%(6/7)
		1707	6	1	99%(389/395)	86%(6/7)
		854	12	1	98%(388/395)	88%(7/8)
		862	10	1	98%(388/395)	83%(5/6)
		993	3	1	98%(384/392)	86%(6/7)
		2679s	8	83	98%(97/99)	100%(1/1)
40	96.7	169	1	1	97%(384/395)	90%(9/10)
43	99.0	416	1	226	100%(76/76)	100%(1/1)
		179	2	23	100%(248/249)	100%(2/2)
		711	2	25	100%(220/221)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
		198	3	7	99%(392/395)	100%(3/3)
		232	3	4	99%(392/395)	100%(3/3)
		1804	2	99	99%(121/122)	100%(2/2)
		2420	2	1	99%(392/395)	75%(3/4)
44	98.2	2782	2	100	99%(127/128)	100%(2/2)
		1475	2	2	99%(391/395)	100%(4/4)

Ms	MT	OMs	C	N	Overall	non-MT
45	98.7	416	1	226	100%(76/76)	100%(1/1)
		1316	1	1	100%(389/391)	100%(4/4)
		342	3	1	99%(363/366)	100%(4/4)
		7	6	6	99%(387/391)	100%(4/4)
		1205	7	21	99%(387/391)	100%(3/3)
		1290	5	15	99%(387/391)	100%(3/3)
		1494	6	13	99%(387/391)	100%(3/3)
		1343	2	233	99%(83/84)	100%(1/1)
		1421	8	3	99%(341/345)	100%(2/2)
		2634	2	234	99%(82/83)	100%(1/1)
46	96.7	2782	2	100	99%(127/128)	100%(2/2)
		766	4	162	99%(143/145)	100%(2/2)
		1395	7	8	99%(388/394)	100%(9/9)
		2897	4	2	99%(388/394)	100%(10/10)
		1804	7	160	98%(120/122)	100%(2/2)
		1215	4	2	98%(386/394)	100%(10/10)
		28	3	1	98%(282/288)	100%(5/5)
		54	3	3	98%(385/394)	100%(9/9)
		80	5	1	97%(383/394)	86%(6/7)
		2605	5	1	97%(382/394)	100%(9/9)
47	96.5	58	1	1	99%(391/395)	92%(12/13)
		61	1	1	99%(390/395)	92%(11/12)
		56	2	1	98%(386/395)	83%(10/12)
48	94.7	780	1	1	97%(380/390)	94%(15/16)
		974	17	1	95%(368/388)	69%(9/13)
49	98.2	416	1	226	100%(76/76)	100%(1/1)
		2307	2	72	100%(194/195)	100%(2/2)
		2725	2	12	100%(199/200)	100%(3/3)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		973	2	1	99%(390/394)	100%(6/6)
		2686	3	1	99%(391/395)	100%(6/6)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		778	2	11	99%(388/393)	100%(4/4)
		1143	3	21	99%(194/197)	100%(1/1)
		2387	2	1	99%(389/395)	100%(6/6)
51	98.5	390	8	5	99%(391/395)	75%(3/4)
		1639	2	1	99%(391/395)	100%(4/4)
		2511	5	4	99%(391/395)	75%(3/4)
		484	10	5	99%(390/395)	75%(3/4)
		502	4	7	99%(390/395)	100%(4/4)
		2266	10	7	99%(390/395)	75%(3/4)
		2301	10	3	99%(390/395)	75%(3/4)
		2398	2	8	99%(236/239)	100%(2/2)
52	96.7	1395	2	1	100%(390/392)	100%(11/11)
		2649	2	17	99%(145/146)	100%(4/4)
		2782	2	100	99%(124/125)	100%(2/2)
		779	2	79	99%(84/85)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		2500	9	5	99%(387/392)	100%(8/8)
		2897	6	1	98%(385/392)	90%(9/10)
		46	6	3	98%(383/391)	100%(9/9)
		2679s	8	83	98%(97/99)	100%(1/1)
		54	3	3	98%(383/392)	100%(9/9)
		851	6	2	98%(380/389)	100%(7/7)
53	97.9	416	1	226	100%(76/76)	100%(1/1)
		179	6	86	99%(236/238)	100%(3/3)
		1804	2	99	99%(121/122)	100%(2/2)
		2562	3	4	99%(381/384)	100%(6/6)
		15	6	6	99%(380/384)	100%(6/6)
		902	2	1	99%(380/384)	100%(7/7)
		2894	4	1	99%(376/380)	100%(5/5)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(2/2)
54	96.5	1804	7	160	98%(120/122)	100%(2/2)
		1395	9	6	98%(388/395)	100%(9/9)
		2283	8	3	98%(388/395)	100%(9/9)
		2897	5	2	98%(388/395)	100%(10/10)
		46	8	2	98%(385/394)	100%(9/9)
		52	9	3	98%(383/392)	100%(9/9)
		1215	8	1	98%(386/395)	100%(10/10)
		2605	3	1	97%(384/395)	100%(10/10)
		1498	7	1	97%(383/395)	88%(7/8)
55	98.7	246	2	83	100%(192/193)	100%(2/2)
		769	3	76	100%(388/390)	100%(3/3)
		771	2	82	100%(207/208)	100%(1/1)
		1030	4	74	100%(388/390)	100%(3/3)
		1445	3	76	100%(388/390)	100%(3/3)
		1586	2	1	100%(388/390)	75%(3/4)
		2255	3	76	100%(388/390)	100%(3/3)
		2467	2	6	99%(280/282)	100%(3/3)
		986	3	8	99%(386/390)	100%(3/3)
		2765	3	1	99%(386/390)	100%(4/4)
56	95.7	58	2	1	99%(389/395)	100%(13/13)
		47	3	1	98%(386/395)	83%(10/12)
		61	3	1	97%(384/395)	82%(9/11)
57	98.7	416	1	226	100%(76/76)	100%(1/1)
		332	3	4	100%(375/377)	100%(4/4)
		77	2	2	99%(392/395)	80%(4/5)
		2458	4	1	99%(392/395)	75%(3/4)
		2782	2	100	99%(127/128)	100%(1/1)
		711	5	109	99%(219/221)	100%(2/2)
		1475	2	2	99%(391/395)	100%(3/3)
		2414	4	16	99%(266/269)	100%(3/3)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
58	96.2	47	1	1	99%(391/395)	92%(12/13)
		56	1	1	99%(389/395)	100%(13/13)

Ms	MT	OMs	C	N	Overall	non-MT
		61	2	1	98%(388/395)	83%(10/12)
59	97.2	no close relatives				
60	97.7	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		1454	2	2	100%(394/395)	100%(8/8)
		1495	3	1	100%(394/395)	89%(8/9)
		1685	3	2	99%(392/395)	100%(8/8)
		779	2	79	99%(84/85)	100%(1/1)
		2868	3	2	99%(390/395)	100%(6/6)
		1084	4	2	99%(389/395)	57%(4/7)
		500	4	14	98%(258/263)	100%(3/3)
		529	1	1	98%(387/395)	75%(6/8)
61	96.5	47	2	1	99%(390/395)	92%(11/12)
		58	3	1	98%(388/395)	83%(10/12)
		56	3	1	97%(384/395)	82%(9/11)
63	97.7	989	2	1	100%(394/395)	100%(8/8)
		800	2	6	99%(180/181)	100%(2/2)
		391	3	1	99%(392/395)	100%(8/8)
		178	6	2	99%(390/395)	100%(5/5)
		997	7	2	99%(390/395)	100%(6/6)
		1592	6	3	99%(390/395)	100%(6/6)
		353	8	25	99%(389/395)	100%(5/5)
		2414	7	17	99%(265/269)	100%(4/4)
		2482	2	1	98%(388/395)	100%(6/6)
		186	6	1	98%(387/395)	100%(6/6)
64	97.2	416	1	226	100%(76/76)	100%(1/1)
		1804	2	99	99%(121/122)	100%(3/3)
		212	5	1	99%(389/395)	100%(7/7)
		267	5	1	99%(389/395)	100%(7/7)
65	98.0	2396	1	1	100%(394/394)	100%(7/7)
		219	5	16	99%(392/395)	100%(5/5)
		2782	2	100	99%(127/128)	100%(2/2)
		779	2	79	99%(84/85)	100%(1/1)
		358	6	12	99%(390/395)	100%(5/5)
		360	6	13	99%(390/395)	100%(5/5)
		2217	8	12	99%(390/395)	100%(5/5)
		1077	8	10	99%(387/393)	100%(5/5)
		1373	6	3	99%(389/395)	100%(5/5)
		280	7	3	98%(375/382)	100%(4/4)
66	99.2	1092	1	104	100%(252/252)	100%(1/1)
		1400	1	119	100%(211/211)	100%(1/1)
68	96.7	726	3	1	99%(389/395)	90%(9/10)
		365	1	1	98%(386/393)	82%(9/11)
		1463	4	1	98%(387/394)	90%(9/10)
		2278	6	1	98%(388/395)	75%(6/8)
		557	5	1	98%(387/395)	89%(8/9)
		649	5	24	98%(87/89)	100%(1/1)
		1377	2	1	98%(382/391)	90%(9/10)
		1113	3	1	98%(385/395)	80%(8/10)
		1375	3	1	98%(385/395)	70%(7/10)

Ms	MT	OMs	C	N	Overall	non-MT
		2760	20	1	97%(383/394)	86%(6/7)
69	91.1	788	6	1	97%(381/394)	89%(25/28)
		124	3	1	96%(378/395)	96%(24/25)
		826	7	1	96%(378/395)	91%(21/23)
		828	7	1	96%(378/395)	91%(21/23)
		346	6	1	95%(376/394)	91%(19/21)
		543	7	1	95%(376/395)	86%(19/22)
		13	6	1	94%(373/395)	92%(22/24)
		1654	1	1	92%(362/395)	73%(16/22)
70	97.7	2884	1	1	99%(392/395)	88%(7/8)
71	96.5	1413	2	2	98%(387/395)	91%(10/11)
		86	7	1	98%(386/395)	90%(9/10)
		1014	1	1	98%(386/395)	78%(7/9)
		1458	1	2	98%(386/395)	82%(9/11)
		1531	5	1	98%(386/395)	90%(9/10)
		569	7	1	98%(385/395)	90%(9/10)
		1170	7	1	98%(385/395)	89%(8/9)
		1663	1	1	97%(371/382)	100%(10/10)
		2291	7	1	97%(383/395)	82%(9/11)
		2705	3	3	97%(381/394)	67%(6/9)
72	98.2	416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		1142	3	7	99%(390/393)	100%(3/3)
		139	4	1	99%(391/395)	80%(4/5)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		263	3	9	99%(389/395)	100%(4/4)
		1118	2	4	99%(389/395)	100%(4/4)
73	97.0	1207	4	3	99%(365/369)	100%(5/5)
		112	3	1	99%(390/395)	100%(8/8)
		766	4	162	99%(143/145)	100%(2/2)
		583	2	1	99%(389/395)	100%(7/7)
		1804	7	160	98%(120/122)	100%(2/2)
		748	6	64	98%(178/181)	100%(2/2)
		11	5	2	98%(388/395)	100%(7/7)
		2649	8	93	98%(143/146)	100%(2/2)
		1212	8	4	98%(386/395)	100%(7/7)
74	98.0	483	1	2	100%(393/394)	100%(7/7)
		484	2	4	100%(392/394)	100%(6/6)
		771	2	82	100%(207/208)	100%(1/1)
		1198	4	2	99%(388/391)	100%(6/6)
		90	1	2	99%(390/394)	100%(6/6)
		666s	4	2	99%(390/394)	100%(6/6)
		502	4	7	99%(389/394)	100%(5/5)
		1394	4	3	99%(389/394)	100%(5/5)
		2645	4	4	99%(389/394)	100%(5/5)
		766	4	162	99%(143/145)	100%(1/1)
75	99.2	416	1	226	100%(76/76)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		2316	1	89	100%(130/130)	100%(1/1)
		98	2	3	100%(394/395)	100%(2/2)
		877	3	7	100%(391/393)	100%(2/2)
		1459	3	13	100%(393/395)	100%(2/2)
		2650	1	3	100%(203/204)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
76	97.5	2118	1	1	99%(392/395)	100%(9/9)
		1143	3	21	99%(194/197)	100%(1/1)
		2215	6	3	99%(388/394)	100%(6/6)
		2514	6	2	98%(388/395)	100%(7/7)
		2656	2	1	98%(387/394)	75%(6/8)
		1193	7	2	98%(387/395)	100%(6/6)
		2649	10	9	98%(143/146)	67%(2/3)
		247	7	1	98%(386/395)	100%(6/6)
77	98.2	57	4	1	99%(392/395)	80%(4/5)
		332	6	1	99%(374/377)	80%(4/5)
		2782	2	100	99%(127/128)	100%(1/1)
		2458	5	3	99%(391/395)	100%(4/4)
		2695	2	2	99%(391/395)	100%(5/5)
		2414	4	16	99%(266/269)	100%(4/4)
		269	4	1	99%(390/395)	83%(5/6)
		708	4	1	99%(390/395)	100%(4/4)
		32	5	4	99%(389/395)	100%(6/6)
		746	4	12	99%(389/395)	100%(4/4)
78	97.7	1448	1	1	100%(392/394)	100%(8/8)
		1513	1	1	99%(391/394)	100%(8/8)
		1701	1	1	99%(391/394)	100%(9/9)
		127	3	1	99%(389/394)	100%(7/7)
		132	2	2	99%(389/394)	100%(8/8)
		2405	1	2	98%(383/391)	100%(8/8)
79	96.1	no close relatives				
80	97.0	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		2649	10	9	98%(143/146)	67%(2/3)
		1595	9	2	98%(386/395)	100%(7/7)
		1395	17	1	98%(385/395)	86%(6/7)
		46	10	2	97%(383/394)	86%(6/7)
		2238	19	3	97%(377/388)	71%(5/7)
83	99.2	Kr				
86	96.5	569	1	1	99%(392/395)	100%(13/13)
		1170	1	1	99%(392/395)	100%(12/12)
		1531	2	3	99%(391/395)	100%(12/12)
		2291	2	1	99%(389/395)	100%(13/13)
		2387	3	4	98%(388/395)	100%(9/9)
		1413	2	2	98%(387/395)	91%(10/11)
		71	3	2	98%(386/395)	90%(9/10)
		1458	1	2	98%(386/395)	82%(9/11)
		1663	3	1	97%(370/382)	90%(9/10)
		2705	3	3	97%(381/394)	67%(6/9)
87	97.5	2679s	2	92	99%(98/99)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		96	3	2	99%(256/259)	100%(5/5)
		013	6	27	99%(235/238)	100%(4/4)
		562	1	1	99%(390/395)	100%(10/10)
		2442	12	19	98%(337/343)	100%(5/5)
		011	10	16	98%(263/268)	100%(4/4)
		207	5	1	98%(376/384)	100%(4/4)
89	98.2	390	2	10	100%(393/395)	100%(5/5)
		484	3	6	99%(392/395)	100%(5/5)
		2266	3	8	99%(392/395)	100%(5/5)
		483	5	8	99%(391/395)	100%(5/5)
		1198	5	6	99%(388/392)	100%(5/5)
		1290	5	15	99%(391/395)	100%(4/4)
		1397	4	6	99%(390/394)	100%(4/4)
		2511	4	9	99%(391/395)	100%(4/4)
		2749	3	3	99%(391/395)	80%(4/5)
		779	2	79	99%(84/85)	100%(1/1)
90	98.0	74	5	3	99%(390/394)	100%(6/6)
		484	7	1	99%(391/395)	100%(5/5)
		483	7	3	99%(390/395)	100%(5/5)
		1198	7	2	99%(387/392)	100%(5/5)
		666s	9	1	99%(389/395)	100%(5/5)
95	98.7	2782	1	33	100%(127/127)	100%(1/1)
		779	2	79	99%(84/85)	100%(1/1)
96	96.9	2529	1	3	100%(82/82)	100%(1/1)
		2535	1	2	100%(82/82)	100%(1/1)
		2782	1	33	100%(56/56)	100%(1/1)
		013	4	2	99%(102/103)	100%(1/1)
		87	2	1	99%(256/259)	100%(5/5)
		2679s	5	3	99%(81/82)	100%(1/1)
		779	3	1	99%(68/69)	100%(1/1)
		562	2	1	98%(254/259)	100%(6/6)
98	99.5	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		75	2	1	100%(394/395)	100%(2/2)
		877	2	2	100%(392/393)	100%(2/2)
		1459	2	2	100%(394/395)	100%(2/2)
100	99.0	1164	1	2	100%(395/395)	100%(4/4)
		1340	1	2	100%(392/392)	100%(4/4)
		371	1	3	100%(394/395)	100%(4/4)
		597	1	3	100%(394/395)	100%(4/4)
		1235	1	3	100%(394/395)	100%(4/4)
		2346	1	3	100%(394/395)	100%(4/4)
		291	1	3	100%(393/395)	100%(3/3)
		1056	1	3	100%(393/395)	100%(4/4)
		1423	1	4	100%(393/395)	100%(4/4)
		1057	2	8	99%(392/395)	100%(3/3)
		1510	1	4	99%(391/394)	100%(4/4)
105	99.2	8	1	1	100%(393/395)	100%(2/2)
		324	1	2	100%(393/395)	100%(3/3)
		367	1	11	100%(393/395)	100%(2/2)



Ms	MT	OMs	C	N	Overall	non-MT
		476	1	7	100%(393/395)	100%(2/2)
		754	1	4	100%(393/395)	100%(2/2)
		771	2	82	100%(207/208)	100%(1/1)
		1292	2	1	100%(393/395)	67%(2/3)
		2472	1	4	100%(393/395)	100%(2/2)
		2666	4	8	100%(393/395)	100%(2/2)
		926	5	20	99%(294/296)	100%(1/1)
106	96.5	776	7	1	98%(384/394)	100%(8/8)
		1455	6	2	97%(383/395)	100%(8/8)
		1365	6	2	97%(382/395)	100%(8/8)
107	98.0	2725	1	4	100%(200/200)	100%(3/3)
		347	3	3	100%(393/395)	100%(6/6)
		766	2	54	99%(144/145)	100%(3/3)
		927	5	2	99%(392/395)	100%(6/6)
		2178	4	7	99%(392/395)	100%(6/6)
		140	5	6	99%(391/395)	100%(5/5)
		925	6	6	99%(391/395)	100%(5/5)
		2908	2	37	99%(89/90)	100%(2/2)
		2399	5	5	99%(239/242)	100%(3/3)
		1664	7	8	99%(390/395)	100%(5/5)
108	97.2	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		24	5	2	99%(389/395)	100%(8/8)
		32	5	4	99%(389/395)	100%(8/8)
		2812	5	2	99%(389/395)	100%(8/8)
		156	3	2	98%(386/393)	100%(7/7)
		269	9	3	98%(387/395)	100%(6/6)
		2649	8	93	98%(143/146)	100%(3/3)
		1087	1	1	98%(385/395)	88%(7/8)
		1364	5	3	98%(385/395)	86%(6/7)
109	97.0	416	1	226	100%(76/76)	100%(1/1)
		2679s	2	92	99%(98/99)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		013	9	33	98%(234/238)	100%(4/4)
		011	10	16	98%(263/268)	100%(5/5)
		2442	15	11	98%(336/343)	100%(6/6)
		262	2	2	98%(385/395)	86%(6/7)
		1228	8	2	97%(384/395)	86%(6/7)
		2304	14	2	97%(384/395)	86%(6/7)
111	98.5	416	1	226	100%(76/76)	100%(1/1)
		823	1	2	100%(395/395)	100%(6/6)
		906	2	2	100%(393/395)	100%(6/6)
		2182	2	3	99%(391/394)	100%(3/3)
		1563	2	2	99%(391/395)	100%(5/5)
		274	9	39	99%(246/249)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1491	5	4	99%(390/395)	100%(4/4)
112	97.7	583	1	1	99%(392/395)	100%(7/7)

Ms	MT	OMs	C	N	Overall	non-MT
		1207	4	3	99%(365/369)	100%(5/5)
		73	2	1	99%(390/395)	100%(8/8)
		11	4	4	99%(389/395)	100%(6/6)
		200	5	2	99%(389/395)	100%(5/5)
		592	17	5	98%(387/395)	100%(5/5)
113	97.0	771	2	82	100%(207/208)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		491	4	1	99%(385/390)	100%(8/8)
		335	6	12	98%(223/227)	100%(2/2)
		585	5	4	98%(387/394)	100%(8/8)
		1007	5	3	98%(387/394)	100%(9/9)
		330	7	1	98%(385/393)	100%(8/8)
		545	6	1	98%(385/394)	88%(7/8)
		578	7	3	98%(385/394)	100%(9/9)
		2127	8	1	98%(385/394)	100%(9/9)
114	96.2	2902	3	3	99%(392/395)	100%(13/13)
		489	3	2	99%(391/395)	100%(13/13)
		1079	4	3	99%(391/395)	100%(13/13)
		1219	4	2	99%(391/395)	100%(13/13)
		041	4	3	99%(390/395)	100%(11/11)
		699	4	3	99%(390/395)	100%(12/12)
		2193	5	7	99%(389/395)	100%(10/10)
		1272	5	3	98%(385/395)	100%(11/11)
		1816	4	5	98%(385/395)	100%(10/10)
		2404	2	5	98%(385/395)	100%(12/12)
116	97.7	416	1	226	100%(76/76)	100%(1/1)
		711	2	25	100%(220/221)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
		179	6	86	99%(247/249)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2649	5	93	99%(144/146)	100%(2/2)
		413	5	3	98%(388/395)	100%(5/5)
117	97.2	2679s	2	92	99%(98/99)	100%(2/2)
		2732	7	7	99%(391/395)	100%(7/7)
		166	10	20	99%(389/395)	100%(6/6)
		901	4	2	99%(389/395)	100%(8/8)
		1804	7	160	98%(120/122)	100%(2/2)
		775	7	1	98%(388/395)	71%(5/7)
		2603	9	1	98%(388/395)	88%(7/8)
		446	8	1	98%(386/395)	71%(5/7)
		528	7	6	98%(385/395)	100%(6/6)
		1213	5	1	98%(385/395)	71%(5/7)
118s	97.2	no close relatives				
119	96.2	416	1	226	100%(76/76)	100%(1/1)
		1588	2	3	99%(392/395)	100%(13/13)
		1804	2	99	99%(121/122)	100%(3/3)
		2782	2	100	99%(127/128)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		491	3	2	99%(387/391)	100%(9/9)
		330	4	2	99%(389/394)	100%(11/11)
		217	6	3	98%(387/395)	100%(12/12)
		191	5	1	98%(386/395)	100%(10/10)
		578	7	3	98%(386/395)	100%(11/11)
		113	12	3	97%(383/394)	100%(8/8)
120	99.0	416	1	226	100%(75/75)	100%(1/1)
		880	1	3	100%(390/390)	100%(4/4)
		2316	1	89	100%(129/129)	100%(1/1)
		17	1	2	100%(389/390)	100%(3/3)
		199	4	2	100%(388/390)	67%(2/3)
		2098	4	2	100%(388/390)	67%(2/3)
		573	2	121	99%(146/147)	100%(1/1)
		179	6	86	99%(245/247)	100%(1/1)
		587	6	2	99%(386/389)	67%(2/3)
		711	5	109	99%(218/220)	100%(1/1)
121	98.0	1421	7	13	99%(344/348)	100%(3/3)
		533	7	6	99%(390/395)	100%(5/5)
		1019	9	1	99%(390/395)	83%(5/6)
		766	4	162	99%(143/145)	100%(1/1)
		413	4	5	99%(389/395)	100%(5/5)
		1804	7	160	98%(120/122)	100%(1/1)
		748	6	64	98%(178/181)	100%(1/1)
		987s	4	1	98%(388/395)	83%(5/6)
		2694	5	1	98%(388/395)	83%(5/6)
122	98.7	1408	2	8	100%(393/395)	100%(3/3)
		2292	2	5	100%(393/395)	100%(3/3)
		1300	3	17	99%(392/395)	100%(3/3)
		1341	3	8	99%(392/395)	100%(4/4)
		039	1	2	99%(391/395)	100%(4/4)
		298	3	2	99%(391/395)	100%(3/3)
		682	4	3	99%(389/393)	100%(3/3)
		899	4	3	99%(391/395)	100%(3/3)
		1218	2	3	99%(391/395)	100%(4/4)
		2679s	2	92	99%(98/99)	100%(2/2)
123	98.0	2307	2	72	100%(194/195)	100%(2/2)
		2176	2	1	99%(392/395)	100%(7/7)
		1143	3	21	99%(194/197)	100%(1/1)
		047	6	1	98%(287/292)	100%(4/4)
124	92.2	788	5	1	97%(381/394)	96%(24/25)
		69	2	1	96%(378/395)	96%(24/25)
		826	6	1	96%(378/395)	100%(20/20)
		828	6	1	96%(378/395)	100%(20/20)
		346	7	1	95%(375/394)	94%(17/18)
		543	6	1	95%(376/395)	95%(18/19)
		13	5	1	94%(373/395)	100%(21/21)
		1689	7	1	93%(369/395)	83%(15/18)
		213	11	1	92%(365/395)	75%(15/20)
125	98.7	416	1	226	100%(75/75)	100%(1/1)
		1804	2	99	99%(120/121)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
126	97.2	370	10	6	98%(124/127)	75%(3/4)
127	97.2	1448	2	1	99%(392/395)	100%(9/9)
		132	1	1	99%(391/395)	100%(10/10)
		78	3	2	99%(389/394)	100%(7/7)
		1701	3	3	99%(389/395)	100%(9/9)
		1513	4	2	98%(387/395)	100%(7/7)
		1136	3	1	98%(385/394)	71%(5/7)
		2405	2	3	98%(383/392)	100%(9/9)
		175	6	1	98%(385/395)	89%(8/9)
		2623	5	1	98%(385/395)	88%(7/8)
		2524	2	3	97%(381/391)	100%(10/10)
128	99.5	Kr				
129	98.5	416	1	226	100%(76/76)	100%(1/1)
		1804	2	99	99%(121/122)	100%(2/2)
130	98.0	227	2	2	99%(391/395)	100%(5/5)
		1804	7	160	98%(120/122)	100%(1/1)
131	98.0	766	4	162	99%(143/145)	100%(1/1)
		1804	7	160	98%(120/122)	100%(1/1)
132	96.7	127	2	1	99%(391/395)	100%(10/10)
		78	3	2	99%(389/394)	100%(8/8)
		1448	3	3	99%(390/395)	100%(9/9)
		1701	3	3	99%(389/395)	100%(10/10)
		1513	4	2	98%(387/395)	100%(8/8)
		2405	2	3	98%(383/392)	100%(10/10)
		175	5	2	98%(385/395)	90%(9/10)
		2524	2	3	97%(381/391)	100%(11/11)
133	97.5	416	1	226	100%(76/76)	100%(1/1)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		711	5	109	99%(219/221)	100%(2/2)
		1094	6	1	99%(391/395)	89%(8/9)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		330	4	2	99%(389/394)	100%(9/9)
		2649	5	93	99%(144/146)	100%(2/2)
		491	5	2	99%(385/391)	100%(6/6)
134	97.5	22	1	2	99%(392/395)	100%(8/8)
		1341	5	21	99%(391/395)	100%(6/6)
		2679s	2	92	99%(98/99)	100%(2/2)
		2	7	10	99%(389/395)	100%(6/6)
		343	7	1	99%(389/395)	71%(5/7)
		1210	4	3	99%(389/395)	100%(7/7)
		584	4	3	98%(388/395)	100%(6/6)
		1800	7	4	98%(388/395)	100%(6/6)
		351	4	3	98%(387/395)	100%(7/7)
		530	6	2	98%(387/395)	100%(6/6)
135	97.7	416	1	226	100%(76/76)	100%(1/1)
		1804	1	15	100%(122/122)	100%(3/3)
		771	2	82	100%(207/208)	100%(2/2)
		179	6	86	99%(247/249)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		711	5	109	99%(219/221)	100%(2/2)
		2860	6	8	99%(390/395)	100%(6/6)
		766	4	162	99%(143/145)	100%(2/2)
		808	3	5	99%(389/395)	100%(6/6)
		933	6	5	99%(388/394)	100%(5/5)
		2369	4	1	98%(367/374)	80%(4/5)
137	97.5	534	1	1	99%(376/379)	89%(8/9)
		195	4	6	99%(391/395)	100%(6/6)
		2856	4	5	99%(391/395)	100%(6/6)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		852	5	3	99%(389/395)	100%(6/6)
		1312	3	1	99%(389/395)	89%(8/9)
		715	2	1	98%(388/395)	89%(8/9)
		657	6	2	98%(288/294)	75%(3/4)
		1096	6	2	98%(382/390)	100%(6/6)
138	92.6	994	2	1	99%(388/394)	96%(24/25)
		357	1	1	98%(387/394)	96%(26/27)
		2575	2	1	98%(372/381)	96%(22/23)
		2684	2	1	98%(384/394)	100%(21/21)
		884	1	1	97%(377/390)	100%(19/19)
		087	2	1	96%(49/51)	100%(3/3)
		565	5	1	96%(375/392)	88%(21/24)
		1582	6	1	96%(376/393)	96%(22/23)
		1	6	1	95%(376/394)	96%(22/23)
		2517	6	3	95%(124/130)	80%(8/10)
139	98.5	887	1	1	100%(394/395)	100%(6/6)
		210	1	3	100%(393/395)	100%(5/5)
		2307	2	72	100%(194/195)	100%(1/1)
		72	5	3	99%(391/395)	80%(4/5)
		195	4	6	99%(391/395)	100%(4/4)
		2567	2	10	99%(208/210)	100%(2/2)
		1118	1	2	99%(390/395)	100%(4/4)
		2732	10	7	99%(390/395)	100%(4/4)
		2856	9	2	99%(390/395)	75%(3/4)
140	98.5	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		347	3	3	100%(393/395)	100%(5/5)
		925	2	5	100%(393/395)	100%(5/5)
		2307	2	72	100%(194/195)	100%(2/2)
		2725	2	12	100%(199/200)	100%(2/2)
		573	2	121	99%(147/148)	100%(2/2)
		2649	2	17	99%(145/146)	100%(3/3)
		2139	3	1	99%(391/395)	100%(5/5)
		2908	2	37	99%(89/90)	100%(2/2)
		778	2	11	99%(388/393)	100%(4/4)
		1012	2	1	99%(390/395)	100%(5/5)
141	99.5	Kr				
142	98.0	2782	2	100	99%(127/128)	100%(2/2)
		2679s	2	92	99%(98/99)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
143	99.2	416	1	226	100%(76/76)	100%(1/1)
		179	2	23	100%(248/249)	100%(2/2)
		431	1	2	100%(392/394)	100%(2/2)
		564	2	3	100%(393/395)	100%(2/2)
		711	2	25	100%(220/221)	100%(2/2)
		843	3	4	100%(393/395)	100%(2/2)
		1473	3	4	100%(393/395)	100%(2/2)
		2389	2	14	100%(387/389)	100%(2/2)
		2604	3	4	100%(393/395)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
144s	98.5	573	1	23	100%(148/148)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		504	3	5	99%(392/395)	100%(4/4)
		2782	2	100	99%(127/128)	100%(2/2)
		1792	3	1	99%(391/395)	100%(4/4)
		2571	4	14	99%(391/395)	100%(4/4)
		2724	5	12	99%(391/395)	100%(4/4)
		1240	4	8	99%(390/395)	100%(4/4)
		350	3	2	99%(359/364)	100%(3/3)
145	98.5	573	2	121	99%(147/148)	100%(1/1)
		2324	3	2	99%(391/395)	100%(4/4)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2717	4	13	99%(227/230)	100%(2/2)
147	98.7	1712	1	129	100%(191/191)	100%(1/1)
		940	2	87	100%(250/251)	100%(1/1)
		1040	5	69	100%(393/395)	100%(3/3)
		978	1	1	99%(392/395)	100%(3/3)
		1544	8	5	99%(391/395)	100%(3/3)
		1131	3	4	99%(280/283)	100%(1/1)
148	97.7	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		573	2	121	99%(147/148)	100%(2/2)
		2649	2	17	99%(145/146)	100%(3/3)
		1010	5	2	99%(391/395)	86%(6/7)
		2679s	2	92	99%(98/99)	100%(2/2)
		011	2	11	99%(265/268)	100%(5/5)
		144s	4	6	99%(390/395)	100%(5/5)
		766	4	162	99%(143/145)	100%(2/2)
		2314	4	1	98%(388/395)	100%(5/5)
149	98.0	1804	7	160	98%(120/122)	100%(2/2)
150	99.0	no close relatives				
151	97.0	1083	7	18	99%(390/395)	100%(8/8)
		2907	8	39	99%(294/298)	100%(4/4)
		766	4	162	99%(143/145)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		748	6	64	98%(178/181)	100%(2/2)
		2679s	8	83	98%(97/99)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		2649	8	93	98%(143/146)	100%(2/2)
		134	10	1	98%(386/395)	86%(6/7)
		281	10	1	98%(385/395)	86%(6/7)
		211	6	1	97%(384/395)	86%(6/7)
152	96.7	416	1	226	100%(76/76)	100%(1/1)
		555	2	1	100%(393/395)	100%(13/13)
		892	1	1	98%(112/114)	88%(7/8)
		1216	4	5	98%(388/395)	100%(7/7)
		892s	1	1	98%(251/256)	100%(4/4)
		348	4	1	98%(385/395)	90%(9/10)
		1528	3	6	98%(385/395)	100%(8/8)
		184	4	2	97%(383/394)	100%(7/7)
		977	4	1	97%(383/395)	88%(7/8)
		1579	3	2	97%(383/395)	100%(8/8)
153	98.5	416	1	226	100%(76/76)	100%(1/1)
		766	2	54	99%(144/145)	100%(2/2)
		1418	2	1	99%(392/395)	80%(4/5)
		1804	2	99	99%(121/122)	100%(2/2)
		2462	1	1	99%(392/395)	80%(4/5)
		783	2	1	99%(391/395)	83%(5/6)
		2693s	2	1	99%(372/376)	100%(5/5)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		117	2	1	99%(390/395)	100%(6/6)
		901	2	2	99%(390/395)	100%(6/6)
		1554	1	1	99%(390/395)	100%(4/4)
154	94.5	733	1	1	97%(365/377)	94%(15/16)
		1182	12	1	95%(198/208)	100%(6/6)
155	99.5	Kr				
156	97.5	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		2649	5	93	99%(144/146)	100%(3/3)
		108	3	1	98%(386/393)	100%(7/7)
		997	12	1	98%(386/393)	83%(5/6)
		2812	6	4	98%(386/393)	100%(7/7)
		1685	11	3	98%(385/393)	100%(6/6)
		770	10	1	98%(370/378)	83%(5/6)
		24	9	1	98%(384/393)	100%(6/6)
		32	11	1	98%(384/393)	100%(6/6)
157	96.2	443	12	1	97%(384/395)	100%(8/8)
		159	9	1	97%(382/394)	100%(8/8)
		2623	8	1	97%(383/395)	89%(8/9)
158	96.2	2193	9	1	98%(387/394)	80%(8/10)
		041	13	1	98%(386/394)	80%(8/10)
		2902	11	1	98%(386/394)	82%(9/11)
		699	9	1	98%(385/394)	90%(9/10)
		1079	11	1	98%(385/394)	82%(9/11)
		1219	12	1	98%(385/394)	82%(9/11)
		1346	10	3	98%(385/394)	100%(8/8)

Ms	MT	OMs	C	N	Overall	non-MT
		114	11	1	97%(383/394)	80%(8/10)
		1313	12	2	97%(381/394)	78%(7/9)
		1816	11	1	96%(380/394)	78%(7/9)
159	96.7	443	1	1	100%(393/394)	100%(12/12)
		470	9	3	99%(388/394)	100%(8/8)
		490	9	3	99%(388/394)	100%(8/8)
		839	8	1	99%(388/394)	100%(8/8)
		1486	9	3	99%(388/394)	100%(8/8)
		2238	7	2	98%(378/387)	100%(8/8)
		2516	10	1	97%(383/394)	100%(8/8)
		157	2	1	97%(382/394)	100%(8/8)
		700	6	2	97%(382/394)	75%(6/8)
		2623	9	1	97%(382/394)	88%(7/8)
160	98.0	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		556	5	2	99%(391/395)	100%(5/5)
		1120	8	22	99%(391/395)	100%(5/5)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(1/1)
		1804	7	160	98%(120/122)	100%(1/1)
		906	6	2	98%(388/395)	80%(4/5)
162	96.9	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		2649	8	93	98%(143/146)	100%(3/3)
		440	2	1	98%(382/391)	100%(9/9)
163	97.0	1125	8	1	98%(387/395)	86%(6/7)
164	97.5	748	6	64	98%(178/181)	100%(2/2)
		963	11	5	98%(387/395)	100%(6/6)
		1086	10	6	98%(387/395)	100%(6/6)
165	97.4	766	6	3	99%(133/135)	100%(1/1)
		013	9	33	98%(234/238)	100%(4/4)
		1804	9	6	98%(119/121)	100%(1/1)
		1010	16	7	98%(378/385)	100%(5/5)
		1197	14	13	98%(378/385)	100%(5/5)
		031s	12	1	98%(375/383)	83%(5/6)
		2603	13	1	98%(377/385)	100%(6/6)
		2649	11	1	98%(133/136)	100%(1/1)
		1212	9	1	98%(376/385)	83%(5/6)
		1439	15	3	98%(376/385)	100%(5/5)
166	98.2	416	1	226	100%(76/76)	100%(1/1)
		1804	2	99	99%(121/122)	100%(2/2)
		2679s	2	92	99%(98/99)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2420	4	5	99%(390/395)	100%(4/4)
		766	4	162	99%(143/145)	100%(2/2)
		117	3	3	99%(389/395)	100%(6/6)



Ms	MT	OMs	C	N	Overall	non-MT
		263	3	9	99%(389/395)	100%(4/4)
		746	4	12	99%(389/395)	100%(4/4)
167	99.2	Kr				
168	91.9	878	4	1	96%(368/382)	100%(18/18)
169	95.7	40	1	1	97%(384/395)	90%(9/10)
		370	15	24	97%(123/127)	100%(2/2)
170	98.2	no close relatives				
171	98.2	1468	2	1	99%(392/395)	100%(5/5)
		034	3	1	99%(390/395)	100%(4/4)
		1605	3	1	99%(390/395)	100%(5/5)
175	95.9	1448	6	2	98%(386/395)	89%(8/9)
		1513	6	1	98%(386/395)	80%(8/10)
		132	6	1	98%(385/395)	90%(9/10)
		299	1	1	98%(385/395)	92%(11/12)
		352	8	2	98%(384/394)	100%(11/11)
		1701	5	2	98%(385/395)	90%(9/10)
		331	4	2	97%(383/395)	100%(9/9)
		2623	7	2	97%(383/395)	100%(9/9)
		2405	4	1	97%(379/392)	90%(9/10)
		2524	6	1	97%(378/391)	83%(10/12)
178	98.5	2414	2	1	100%(268/269)	100%(4/4)
		800	2	6	99%(180/181)	100%(2/2)
		179	6	86	99%(247/249)	100%(2/2)
		353	2	7	99%(392/395)	100%(5/5)
		711	5	109	99%(219/221)	100%(2/2)
		989	4	3	99%(391/395)	100%(5/5)
		997	4	2	99%(391/395)	100%(5/5)
		1592	3	2	99%(391/395)	100%(5/5)
		63	4	3	99%(390/395)	100%(5/5)
		766	4	162	99%(143/145)	100%(2/2)
179	98.8	416	1	226	100%(76/76)	100%(1/1)
		2181	1	2	100%(249/249)	100%(3/3)
		14	3	1	100%(248/249)	100%(2/2)
		15	2	1	100%(248/249)	100%(3/3)
		43	2	1	100%(248/249)	100%(2/2)
		143	2	1	100%(248/249)	100%(2/2)
		239	1	1	100%(248/249)	100%(2/2)
		332	2	1	100%(232/233)	100%(2/2)
		374	2	1	100%(237/238)	100%(2/2)
		475	3	1	100%(248/249)	100%(2/2)
		478	3	1	100%(248/249)	100%(2/2)
		527	2	1	100%(248/249)	100%(3/3)
		707	3	1	100%(248/249)	100%(2/2)
		764	2	1	100%(248/249)	100%(2/2)
		975	2	1	100%(248/249)	100%(2/2)
		1123	2	1	100%(248/249)	100%(2/2)
		1167	3	1	100%(248/249)	100%(2/2)
		1197	2	1	100%(248/249)	100%(3/3)
		1238	3	1	100%(248/249)	100%(2/2)
		1452	3	1	100%(248/249)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		1693	1	1	100%(248/249)	100%(3/3)
		2172	2	1	100%(248/249)	100%(2/2)
		2509	2	1	100%(248/249)	100%(3/3)
		2624	2	1	100%(248/249)	100%(3/3)
		2666	3	1	100%(248/249)	100%(2/2)
		711	2	25	100%(220/221)	100%(2/2)
		836	2	3	99%(173/174)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
		0290	1	1	99%(129/130)	100%(1/1)
		53	2	3	99%(236/238)	100%(3/3)
		57	3	4	99%(247/249)	100%(2/2)
		135	3	1	99%(247/249)	100%(2/2)
		166	2	3	99%(247/249)	100%(2/2)
		178	3	2	99%(247/249)	100%(2/2)
		195	2	2	99%(247/249)	100%(1/1)
		198	3	7	99%(247/249)	100%(2/2)
		218	3	2	99%(247/249)	100%(2/2)
		229	1	1	99%(247/249)	100%(2/2)
		232	3	4	99%(247/249)	100%(2/2)
		244	3	3	99%(247/249)	100%(1/1)
		261	3	9	99%(247/249)	100%(1/1)
		268	3	2	99%(247/249)	100%(2/2)
		291	2	5	99%(247/249)	100%(1/1)
		292	3	2	99%(247/249)	100%(3/3)
		353	2	7	99%(247/249)	100%(2/2)
		380	3	8	99%(247/249)	100%(1/1)
		592	3	1	99%(247/249)	100%(2/2)
		654	1	1	99%(246/248)	100%(2/2)
		688	3	2	99%(247/249)	100%(2/2)
		939	3	1	99%(247/249)	100%(1/1)
		946	3	2	99%(247/249)	100%(1/1)
		965	3	1	99%(247/249)	100%(3/3)
		980	3	3	99%(247/249)	100%(1/1)
		1026	3	2	99%(247/249)	100%(3/3)
		1056	2	5	99%(247/249)	100%(2/2)
		1058	3	4	99%(247/249)	100%(2/2)
		1073	3	8	99%(247/249)	100%(2/2)
		1078	2	10	99%(247/249)	100%(2/2)
		1141	3	4	99%(247/249)	100%(1/1)
		1163	3	7	99%(247/249)	100%(2/2)
		1191	3	2	99%(247/249)	100%(2/2)
		1300	3	17	99%(247/249)	100%(1/1)
		1347	3	4	99%(247/249)	100%(1/1)
		1443	1	1	99%(247/249)	100%(2/2)
		1472	3	8	99%(247/249)	100%(1/1)
		1519	2	1	99%(247/249)	100%(2/2)
		1547	2	2	99%(247/249)	100%(2/2)
		1575	1	5	99%(247/249)	100%(2/2)
		1783	3	1	99%(247/249)	100%(1/1)
		1790	2	2	99%(247/249)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		1804	2	99	99%(121/122)	100%(2/2)
		2213	2	2	99%(247/249)	100%(2/2)
		2321	3	2	99%(247/249)	100%(2/2)
		2346	3	4	99%(247/249)	100%(1/1)
		2420	1	2	99%(247/249)	100%(2/2)
		2511	2	3	99%(247/249)	100%(2/2)
		2562	3	4	99%(236/238)	100%(3/3)
		2637	3	12	99%(247/249)	100%(2/2)
		2756	1	1	99%(247/249)	100%(2/2)
		2760	3	3	99%(246/248)	100%(3/3)
		748	2	29	99%(179/181)	100%(2/2)
179s	97.3	2517	1	1	100%(12/12)	100%(1/1)
		2159	1	1	99%(144/146)	67%(2/3)
180	96.5	370	4	18	98%(125/127)	100%(3/3)
		904	7	25	98%(194/198)	100%(2/2)
		998	3	3	98%(387/395)	100%(8/8)
		1580	3	2	98%(387/395)	100%(8/8)
		303	7	3	97%(373/385)	100%(8/8)
		858	29	2	97%(382/395)	88%(7/8)
		1256	2	1	97%(382/395)	100%(8/8)
182	95.7	1528	6	2	97%(383/395)	100%(9/9)
		16	5	1	96%(380/395)	83%(10/12)
183	98.7	416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		448	2	1	100%(394/395)	100%(5/5)
		573	2	121	99%(147/148)	100%(1/1)
		2182	2	3	99%(391/394)	100%(3/3)
		409	2	2	99%(391/395)	100%(3/3)
		563	2	4	99%(391/395)	100%(3/3)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
184	96.7	416	1	226	100%(76/76)	100%(1/1)
		1216	4	5	98%(387/394)	100%(7/7)
		011	14	13	98%(261/267)	100%(4/4)
		2908	6	47	98%(87/89)	100%(2/2)
		152	8	1	97%(383/394)	100%(7/7)
		348	5	1	97%(383/394)	89%(8/9)
		1528	5	2	97%(383/394)	100%(7/7)
		477	5	1	97%(382/394)	88%(7/8)
185	97.7	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		573	2	121	99%(147/148)	100%(2/2)
		2649	2	17	99%(145/146)	100%(3/3)
		766	4	162	99%(143/145)	100%(2/2)
		1222	4	1	99%(389/395)	100%(5/5)
		1804	7	160	98%(120/122)	100%(2/2)
		1373	8	5	98%(388/395)	100%(5/5)
		2500	16	12	98%(388/395)	100%(5/5)
		135	16	8	98%(387/395)	100%(5/5)

Ms	MT	OMs	C	N	Overall	non-MT
186	97.2	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		997	7	2	99%(390/395)	100%(7/7)
		1592	6	3	99%(390/395)	100%(7/7)
		259	5	1	99%(389/395)	100%(6/6)
		353	8	25	99%(389/395)	100%(6/6)
		770	7	1	98%(374/380)	88%(7/8)
		63	7	1	98%(387/395)	100%(6/6)
		391	7	1	98%(386/395)	100%(6/6)
		2482	5	1	98%(386/395)	100%(6/6)
187	97.2	218	5	2	99%(391/395)	100%(8/8)
		766	4	162	99%(143/145)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		748	6	64	98%(178/181)	100%(2/2)
		934	5	2	98%(387/395)	100%(7/7)
		2649	8	93	98%(143/146)	100%(2/2)
188	97.5	416	1	226	100%(76/76)	100%(1/1)
		2679s	2	92	99%(98/99)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1595	4	1	98%(388/395)	75%(6/8)
		1449	3	1	98%(387/395)	83%(5/6)
		1439	16	1	98%(386/395)	57%(4/7)
189	98.2	1236	1	1	100%(393/395)	100%(7/7)
		825	1	1	99%(391/395)	100%(6/6)
190	98.5	416	1	226	100%(76/76)	100%(1/1)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		1338	3	1	99%(389/393)	100%(4/4)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		577	3	1	99%(390/395)	100%(5/5)
		746	2	8	99%(390/395)	100%(4/4)
		1535	2	1	99%(390/395)	100%(5/5)
		1554	2	1	99%(390/395)	60%(3/5)
		2695	3	1	99%(390/395)	100%(4/4)
191	96.5	416	1	226	100%(76/76)	100%(1/1)
		1804	2	99	99%(121/122)	100%(3/3)
		2782	2	100	99%(127/128)	100%(1/1)
		1588	5	1	99%(389/395)	100%(11/11)
		330	6	3	98%(387/394)	100%(10/10)
		491	7	7	98%(384/391)	100%(7/7)
		119	6	3	98%(386/395)	100%(10/10)
		217	10	1	97%(384/395)	100%(10/10)
		578	10	1	97%(383/395)	100%(9/9)
		1344	1	1	97%(188/194)	100%(6/6)
192	97.2	370	8	42	98%(124/127)	100%(3/3)
193	97.7	416	1	226	100%(76/76)	100%(1/1)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(2/2)
		1624	5	2	99%(389/395)	100%(6/6)
		1804	7	160	98%(120/122)	100%(2/2)
		748	6	64	98%(178/181)	100%(2/2)
		2526	4	2	98%(277/282)	100%(4/4)
		2868	6	7	98%(388/395)	100%(5/5)
194	98.0	34	2	1	99%(391/395)	100%(6/6)
		353	5	2	99%(391/395)	83%(5/6)
		779	2	79	99%(84/85)	100%(1/1)
		478	11	1	99%(390/395)	83%(5/6)
		1672	10	3	99%(390/395)	80%(4/5)
		2398	2	8	99%(236/239)	100%(2/2)
		135	9	1	99%(389/395)	83%(5/6)
		777	10	3	99%(389/395)	80%(4/5)
		2369	1	4	98%(368/374)	100%(4/4)
		1684	6	6	98%(388/395)	100%(5/5)
195	98.5	210	1	3	100%(393/395)	100%(5/5)
		771	2	82	100%(207/208)	100%(1/1)
		1141	2	5	100%(393/395)	100%(4/4)
		1472	3	8	99%(392/395)	100%(4/4)
		137	2	2	99%(391/395)	100%(6/6)
		139	3	2	99%(391/395)	100%(4/4)
		852	3	4	99%(391/395)	100%(5/5)
		263	2	5	99%(390/395)	100%(4/4)
		335	3	2	99%(224/227)	100%(2/2)
		746	2	8	99%(390/395)	100%(4/4)
196	98.0	240	4	9	99%(392/395)	100%(5/5)
		730	6	11	99%(386/389)	100%(4/4)
		305	3	5	99%(386/390)	100%(5/5)
		2101	5	4	99%(388/392)	100%(5/5)
		1280	9	5	99%(390/395)	100%(5/5)
		1545	7	5	99%(390/395)	100%(5/5)
		1609	4	3	99%(390/395)	100%(5/5)
		1019	11	3	99%(389/395)	100%(5/5)
		1804	7	160	98%(120/122)	100%(2/2)
		1436	3	1	98%(388/395)	83%(5/6)
198	98.7	364	1	1	100%(394/395)	100%(5/5)
		399	3	13	100%(393/395)	100%(3/3)
		43	5	3	99%(392/395)	100%(3/3)
		1672	4	10	99%(392/395)	100%(4/4)
		2172	5	4	99%(392/395)	100%(4/4)
		166	4	5	99%(391/395)	100%(4/4)
		353	4	4	99%(391/395)	100%(4/4)
		777	4	10	99%(391/395)	100%(4/4)
		2354	3	6	99%(391/395)	100%(3/3)
		779	2	79	99%(84/85)	100%(1/1)
199	99.2	416	1	226	100%(76/76)	100%(1/1)
		2098	1	4	100%(395/395)	100%(3/3)
		2316	1	89	100%(130/130)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		2782	1	33	100%(128/128)	100%(2/2)
		14	2	2	100%(394/395)	100%(3/3)
		587	2	2	100%(393/394)	100%(3/3)
		707	2	2	100%(394/395)	100%(3/3)
		1514	2	8	100%(394/395)	100%(2/2)
		120	3	2	100%(388/390)	67%(2/3)
		219	3	7	100%(393/395)	100%(3/3)
		399	3	13	100%(393/395)	100%(2/2)
		461	2	5	100%(393/395)	100%(3/3)
		504	2	2	100%(393/395)	100%(3/3)
		653	2	8	100%(393/395)	100%(2/2)
		880	3	2	100%(393/395)	67%(2/3)
		1155	2	4	100%(393/395)	100%(3/3)
		1408	2	8	100%(393/395)	100%(2/2)
		1459	3	13	100%(393/395)	100%(2/2)
		1687	3	6	100%(393/395)	100%(2/2)
		2292	2	5	100%(393/395)	100%(2/2)
		2356	3	7	100%(393/395)	100%(2/2)
		2415	2	3	100%(393/395)	100%(3/3)
		2507	3	6	100%(393/395)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
200	98.2	1207	1	2	100%(368/369)	100%(5/5)
		941	1	2	100%(393/395)	100%(5/5)
		944	2	3	99%(392/395)	100%(5/5)
		11	2	2	99%(391/395)	100%(6/6)
		1324	3	2	99%(391/395)	100%(5/5)
		1444	3	3	99%(391/395)	100%(5/5)
		2200	6	13	99%(391/395)	100%(4/4)
		112	4	2	99%(389/395)	100%(5/5)
		2371	5	6	99%(389/395)	100%(4/4)
201	99.2	Kr				
202	98.7	900	1	2	100%(395/395)	100%(5/5)
		2782	1	33	100%(128/128)	100%(2/2)
		476	1	7	100%(393/395)	100%(3/3)
		1121	2	3	100%(393/395)	100%(4/4)
		380	3	8	99%(392/395)	100%(3/3)
		1300	3	17	99%(392/395)	100%(3/3)
		1792	2	3	99%(392/395)	100%(4/4)
		2525	2	3	99%(392/395)	100%(4/4)
		2224	3	9	99%(391/395)	100%(3/3)
		779	2	79	99%(84/85)	100%(1/1)
204	99.2	Kr				
205	91.6	2886	1	1	99%(388/393)	100%(28/28)
		209	3	1	97%(381/394)	89%(23/26)
		2713	4	1	95%(375/394)	87%(20/23)
		1	11	1	95%(374/394)	85%(22/26)
		1582	11	1	95%(373/393)	84%(21/25)
		1784s	3	1	95%(374/394)	83%(19/23)
		2517	9	1	95%(123/130)	78%(7/9)
		565	11	1	94%(370/392)	76%(19/25)

Ms	MT	OMs	C	N	Overall	non-MT
		087	3	6	94%(49/52)	100%(3/3)
		475s	7	2	93%(41/44)	67%(2/3)
207	97.7	013	2	10	99%(236/238)	100%(3/3)
		2782	2	100	99%(127/128)	100%(2/2)
		2679s	2	92	99%(98/99)	100%(2/2)
		2725	7	33	99%(198/200)	100%(2/2)
		2908	2	37	99%(89/90)	100%(2/2)
		011	5	15	99%(264/268)	100%(4/4)
		87	6	1	98%(376/384)	100%(4/4)
208	99.5	no close relatives				
209	92.7	2713	2	1	97%(383/395)	92%(22/24)
		1	3	1	97%(382/395)	96%(25/26)
		205	2	1	97%(381/394)	89%(23/26)
		2886	2	1	97%(381/394)	88%(21/24)
		994	5	1	97%(381/395)	95%(20/21)
		1784s	2	1	97%(381/395)	91%(21/23)
		1582	3	1	96%(380/394)	96%(24/25)
		565	3	1	96%(377/393)	92%(22/24)
		357	5	1	95%(377/395)	91%(20/22)
		2702	3	1	95%(375/395)	89%(16/18)
210	98.5	139	2	2	100%(393/395)	100%(5/5)
		195	1	3	100%(393/395)	100%(5/5)
		1141	2	5	100%(393/395)	100%(4/4)
		887	3	2	99%(392/395)	100%(5/5)
		1472	3	8	99%(392/395)	100%(4/4)
		2856	3	1	99%(392/395)	80%(4/5)
		852	3	4	99%(391/395)	100%(5/5)
		263	2	5	99%(390/395)	100%(4/4)
		746	2	8	99%(390/395)	100%(4/4)
		1118	1	2	99%(390/395)	100%(4/4)
211	97.0	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		370	2	8	99%(126/127)	100%(5/5)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(1/1)
		1349	3	7	98%(188/191)	100%(2/2)
		1804	7	160	98%(120/122)	100%(1/1)
		151	14	2	97%(384/395)	86%(6/7)
212	97.7	416	1	226	100%(76/76)	100%(1/1)
		1804	1	15	100%(122/122)	100%(3/3)
		267	4	1	99%(391/395)	100%(7/7)
		779	2	79	99%(84/85)	100%(1/1)
		766	4	162	99%(143/145)	100%(2/2)
		64	3	2	99%(389/395)	100%(7/7)
		1266	11	6	98%(388/395)	100%(5/5)
		500	4	14	98%(258/263)	100%(3/3)
		2679s	8	83	98%(97/99)	100%(1/1)
		2649	8	93	98%(143/146)	100%(2/2)
213	91.4	0109	2	1	97%(94/97)	89%(8/9)

Ms	MT	OMs	C	N	Overall	non-MT
		033	2	1	97%(382/395)	93%(27/29)
		865	2	1	96%(380/395)	93%(27/29)
		1321	2	1	95%(377/395)	96%(21/22)
		1071	4	1	95%(374/395)	90%(18/20)
		33	6	1	94%(366/389)	73%(16/22)
		019	8	1	93%(367/395)	91%(21/23)
		1820	6	1	93%(345/373)	86%(19/22)
		124	8	1	92%(365/395)	75%(15/20)
		P60	5	1	92%(152/166)	64%(7/11)
214	99.5	Kr				
215	99.0	20	1	1	100%(393/395)	100%(4/4)
217	95.7	578	1	1	100%(394/395)	100%(16/16)
		330	2	1	99%(391/394)	100%(13/13)
		1804	2	99	99%(121/122)	100%(3/3)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		2649	5	93	99%(144/146)	100%(3/3)
		1588	6	1	98%(388/395)	100%(12/12)
		119	5	1	98%(387/395)	100%(12/12)
		491	8	6	98%(383/391)	100%(8/8)
		191	6	1	97%(384/395)	100%(10/10)
218	97.7	416	1	226	100%(76/76)	100%(1/1)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		711	5	109	99%(219/221)	100%(2/2)
		187	1	1	99%(391/395)	100%(8/8)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2649	5	93	99%(144/146)	100%(2/2)
		934	3	1	99%(389/395)	100%(7/7)
219	98.7	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		2782	1	33	100%(128/128)	100%(2/2)
		942	2	1	100%(394/395)	100%(4/4)
		199	3	13	100%(393/395)	100%(3/3)
		358	2	2	100%(393/395)	100%(5/5)
		360	2	2	100%(393/395)	100%(5/5)
		1155	2	4	100%(393/395)	100%(4/4)
		2098	3	13	100%(393/395)	100%(3/3)
		2200	2	3	100%(393/395)	100%(4/4)
		2217	2	1	100%(393/395)	100%(5/5)
		573	2	121	99%(147/148)	100%(1/1)
		65	2	2	99%(392/395)	100%(5/5)
		1058	3	4	99%(392/395)	100%(4/4)
		1077	3	4	99%(390/393)	100%(5/5)
		1373	2	3	99%(392/395)	100%(5/5)
		1564	3	3	99%(377/380)	100%(4/4)
		1575	1	5	99%(392/395)	100%(3/3)
		2396	2	3	99%(391/394)	100%(4/4)



Ms	MT	OMs	C	N	Overall	non-MT
		2592	3	3	99%(391/394)	100%(5/5)
		2371	2	2	99%(391/395)	100%(4/4)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
220	97.7	2278	1	1	99%(391/395)	86%(6/7)
		2492	1	2	99%(379/384)	100%(6/6)
		766	4	162	99%(143/145)	100%(1/1)
		2756	3	2	99%(389/395)	100%(6/6)
		1804	7	160	98%(120/122)	100%(1/1)
		1561	6	4	98%(388/395)	100%(5/5)
		2280	8	7	98%(387/395)	100%(6/6)
		2649	8	93	98%(143/146)	100%(1/1)
		649	5	24	98%(87/89)	100%(1/1)
225	97.0	1804	7	160	98%(120/122)	100%(2/2)
226	100.0	no close relatives				
227	98.5	1352	1	1	100%(393/395)	100%(5/5)
		130	1	1	99%(391/395)	100%(5/5)
		668	1	1	99%(391/395)	100%(6/6)
228	96.2	no close relatives				
229	98.0	179	6	86	99%(247/249)	100%(2/2)
		711	5	109	99%(219/221)	100%(2/2)
		2414	4	16	99%(266/269)	100%(3/3)
		1672	10	3	99%(390/395)	80%(4/5)
		766	4	162	99%(143/145)	100%(2/2)
		777	10	3	99%(389/395)	80%(4/5)
		1804	7	160	98%(120/122)	100%(2/2)
		748	6	64	98%(178/181)	100%(2/2)
		1266	12	3	98%(388/395)	80%(4/5)
230	98.5	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		2307	2	72	100%(194/195)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
		461	3	18	99%(392/395)	100%(4/4)
		1341	4	1	99%(392/395)	80%(4/5)
		07	4	12	99%(391/395)	100%(4/4)
		2297	4	15	99%(391/395)	100%(4/4)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
231	98.7	no close relatives				
232	98.7	416	1	226	100%(76/76)	100%(1/1)
		1804	1	15	100%(122/122)	100%(3/3)
		771	2	82	100%(207/208)	100%(2/2)
		43	5	3	99%(392/395)	100%(3/3)
		2420	1	2	99%(392/395)	100%(4/4)
		166	4	5	99%(391/395)	100%(4/4)
		263	1	3	99%(391/395)	100%(4/4)
		746	1	2	99%(391/395)	100%(4/4)
		933	3	2	99%(390/394)	100%(4/4)
		1073	4	18	99%(391/395)	100%(4/4)

Ms	MT	OMs	C	N	Overall	non-MT
233	96.5	no close relatives				
234	98.5	1290	3	7	99%(392/395)	100%(4/4)
		1594	7	5	99%(391/395)	100%(4/4)
		1787	7	5	99%(391/395)	100%(4/4)
		1406	5	1	99%(390/395)	75%(3/4)
		766	4	162	99%(143/145)	100%(1/1)
235	98.5	no close relatives				
237	98.5	2804	1	1	99%(390/395)	100%(4/4)
239	98.7	179	2	23	100%(248/249)	100%(2/2)
		771	2	82	100%(207/208)	100%(1/1)
		926	5	20	99%(294/296)	100%(2/2)
		956	4	5	99%(392/395)	100%(5/5)
		1300	3	17	99%(392/395)	100%(3/3)
		1640	4	5	99%(392/395)	100%(5/5)
		2282s	4	5	99%(392/395)	100%(5/5)
		711	5	109	99%(219/221)	100%(1/1)
		1078	4	12	99%(391/395)	100%(3/3)
		2679s	2	92	99%(98/99)	100%(2/2)
240	98.7	730	1	1	100%(389/389)	100%(4/4)
		1400	1	119	100%(211/211)	100%(1/1)
		2101	2	2	100%(391/392)	100%(5/5)
		246	2	83	100%(197/198)	100%(2/2)
		305	1	2	100%(388/390)	100%(5/5)
		332	3	4	100%(375/377)	100%(4/4)
		769	3	76	100%(393/395)	100%(3/3)
		1031	2	12	100%(393/395)	100%(4/4)
		1178	1	10	100%(393/395)	100%(4/4)
		1280	2	5	100%(393/395)	100%(5/5)
		1445	3	76	100%(393/395)	100%(3/3)
		1545	2	2	100%(393/395)	100%(5/5)
		1633	2	77	100%(202/203)	100%(2/2)
		2255	3	76	100%(393/395)	100%(3/3)
		196	1	2	99%(392/395)	100%(5/5)
		1019	3	2	99%(392/395)	100%(5/5)
		1456	2	2	99%(392/395)	100%(4/4)
		2782	2	100	99%(127/128)	100%(1/1)
		600	2	2	99%(382/386)	100%(4/4)
		986	3	8	99%(391/395)	100%(3/3)
		1609	3	1	99%(391/395)	100%(4/4)
244	98.7	1400	1	119	100%(211/211)	100%(1/1)
		771	2	82	100%(207/208)	100%(1/1)
		179	6	86	99%(247/249)	100%(1/1)
		332	5	6	99%(374/377)	100%(3/3)
		946	4	1	99%(392/395)	75%(3/4)
		1347	4	1	99%(392/395)	80%(4/5)
		2301	4	5	99%(392/395)	100%(4/4)
		711	5	109	99%(219/221)	100%(1/1)
		240	6	9	99%(391/395)	100%(3/3)
		1031	5	8	99%(391/395)	100%(3/3)
245	98.5	no close relatives				

Ms	MT	OMs	C	N	Overall	non-MT
246	99.0	Kr				
247	97.2	2514	1	1	100%(393/395)	100%(10/10)
		370	2	8	99%(126/127)	100%(4/4)
		1193	5	2	99%(390/395)	100%(8/8)
		2215	5	2	99%(389/394)	100%(7/7)
		1678	2	2	99%(389/395)	89%(8/9)
		2118	4	1	99%(389/395)	100%(8/8)
		2860	17	2	98%(388/395)	71%(5/7)
		76	7	1	98%(386/395)	100%(6/6)
248	97.4	10	6	1	98%(379/387)	83%(5/6)
251	97.5	no close relatives				
259	98.2	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		573	2	121	99%(147/148)	100%(2/2)
		2649	2	17	99%(145/146)	100%(3/3)
		711	5	109	99%(219/221)	100%(2/2)
		766	4	162	99%(143/145)	100%(2/2)
		186	3	2	99%(389/395)	100%(6/6)
		1804	7	160	98%(120/122)	100%(2/2)
		748	6	64	98%(178/181)	100%(2/2)
260	98.7	2287	2	2	100%(260/261)	100%(1/1)
		1296	2	1	99%(391/395)	100%(3/3)
261	98.7	771	2	82	100%(207/208)	100%(1/1)
		380	3	8	99%(392/395)	100%(3/3)
		1076	4	7	99%(392/395)	100%(3/3)
		1300	3	17	99%(392/395)	100%(3/3)
		2782	2	100	99%(127/128)	100%(2/2)
		202	4	4	99%(391/395)	100%(3/3)
		900	4	4	99%(391/395)	100%(3/3)
		1078	4	12	99%(391/395)	100%(3/3)
		1121	4	3	99%(391/395)	100%(3/3)
		2224	3	9	99%(391/395)	100%(3/3)
262	97.2	109	9	2	98%(385/395)	86%(6/7)
		527	16	2	98%(385/395)	86%(6/7)
		1187	3	1	98%(385/395)	100%(6/6)
		1540	9	1	97%(321/330)	80%(4/5)
263	98.2	232	5	11	99%(391/395)	100%(4/4)
		1238	7	28	99%(391/395)	100%(4/4)
		2732	7	7	99%(391/395)	100%(5/5)
		195	6	4	99%(390/395)	100%(4/4)
		210	6	5	99%(390/395)	100%(4/4)
		2172	9	16	99%(390/395)	100%(4/4)
		2181	10	21	99%(390/395)	100%(4/4)
		2420	4	5	99%(390/395)	100%(4/4)
		746	4	12	99%(389/395)	100%(4/4)
		1479	2	1	99%(389/395)	100%(4/4)
264	96.2	370	8	42	98%(124/127)	100%(4/4)
		809	4	1	97%(381/395)	100%(8/8)
265	97.2	771	2	82	100%(207/208)	100%(1/1)
		2685	1	1	99%(392/395)	100%(9/9)

Ms	MT	OMs	C	N	Overall	non-MT
		1223	4	1	99%(390/394)	89%(8/9)
		654	4	1	99%(387/393)	86%(6/7)
		787	7	1	99%(389/395)	80%(8/10)
		2193	6	1	99%(389/395)	78%(7/9)
		1804	7	160	98%(120/122)	100%(1/1)
		585	7	8	98%(387/395)	100%(7/7)
		649	5	24	98%(87/89)	100%(1/1)
		545	5	3	98%(386/395)	100%(7/7)
266	97.0	370	4	18	98%(125/127)	100%(3/3)
		1144	2	1	98%(388/395)	100%(8/8)
		1197	15	2	98%(388/395)	86%(6/7)
		2679s	8	83	98%(97/99)	100%(1/1)
		528	6	4	98%(386/395)	100%(7/7)
		2304	11	3	98%(385/395)	100%(7/7)
		2514	8	3	98%(385/395)	86%(6/7)
		2526	8	2	98%(275/282)	75%(3/4)
		1788	10	2	97%(381/391)	86%(6/7)
		151	14	2	97%(384/395)	86%(6/7)
267	97.7	416	1	226	100%(76/76)	100%(1/1)
		766	2	54	99%(144/145)	100%(3/3)
		1804	2	99	99%(121/122)	100%(3/3)
		212	2	1	99%(391/395)	100%(7/7)
		64	3	2	99%(389/395)	100%(7/7)
268	97.0	771	1	13	100%(208/208)	100%(2/2)
		787	2	1	100%(393/395)	92%(11/12)
		1804	2	99	99%(121/122)	100%(2/2)
		980	5	1	99%(391/395)	100%(8/8)
		2193	3	1	99%(391/395)	90%(9/10)
		041	5	1	99%(390/395)	90%(9/10)
		265	4	1	99%(390/395)	80%(8/10)
		270	4	2	99%(389/395)	91%(10/11)
		2685	3	2	99%(389/395)	100%(8/8)
		700	4	4	97%(384/395)	75%(6/8)
269	97.7	32	2	2	99%(391/395)	100%(8/8)
		24	4	1	99%(390/395)	88%(7/8)
		746	4	12	99%(389/395)	100%(5/5)
		904	4	12	99%(195/198)	100%(3/3)
		2812	5	2	99%(389/395)	100%(7/7)
		657	4	1	98%(289/294)	80%(4/5)
		36	6	1	98%(387/395)	71%(5/7)
		108	5	1	98%(387/395)	100%(6/6)
		577	6	3	98%(387/395)	100%(5/5)
		1535	5	3	98%(387/395)	100%(5/5)
270	96.2	1804	3	3	99%(121/122)	67%(2/3)
		2624	6	1	99%(390/395)	91%(10/11)
		787	6	7	99%(389/395)	100%(11/11)
		1026	9	1	99%(389/395)	91%(10/11)
		2280	8	7	98%(387/395)	100%(9/9)
		585	9	7	98%(385/395)	100%(8/8)
		1463	9	1	98%(384/394)	89%(8/9)

Ms	MT	OMs	C	N	Overall	non-MT
		700	5	1	97%(383/395)	78%(7/9)
		1816	7	2	97%(383/395)	100%(9/9)
		1377	7	1	96%(377/391)	100%(8/8)
271	98.5	2415	1	1	100%(394/395)	100%(5/5)
		2782	2	100	99%(127/128)	100%(2/2)
		028	2	1	99%(391/395)	100%(4/4)
		045	2	1	99%(389/393)	100%(5/5)
		568	4	5	99%(391/395)	100%(4/4)
		1341	5	21	99%(391/395)	100%(4/4)
		1672	6	17	99%(391/395)	100%(4/4)
		779	2	79	99%(84/85)	100%(1/1)
		353	6	15	99%(390/395)	100%(4/4)
		497	6	4	99%(390/395)	100%(4/4)
272	98.2	416	1	226	100%(76/76)	100%(1/1)
		2782	1	33	100%(128/128)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		2173	4	8	99%(392/395)	100%(5/5)
		2908	2	37	99%(89/90)	100%(2/2)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		661	3	8	99%(389/395)	100%(4/4)
273s	95.9	no close relatives				
274	98.4	573	1	23	100%(122/122)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)
		2307	1	35	100%(158/158)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		2908	1	8	100%(60/60)	100%(1/1)
		952	2	1	100%(248/249)	100%(3/3)
		1467	3	1	100%(188/189)	100%(2/2)
		714	3	1	99%(247/249)	100%(3/3)
		1000	3	1	99%(247/249)	100%(3/3)
		1474	3	1	99%(247/249)	100%(2/2)
		1491	3	1	99%(247/249)	100%(2/2)
		1664	3	2	99%(247/249)	100%(2/2)
		2502	3	1	99%(247/249)	67%(2/3)
		2571	3	2	99%(247/249)	100%(3/3)
		1565	3	1	99%(202/204)	100%(2/2)
		1540	1	1	99%(182/184)	67%(2/3)
		473	1	3	99%(246/249)	100%(3/3)
		493	2	1	99%(246/249)	100%(3/3)
		655	3	2	99%(246/249)	100%(2/2)
		750	3	1	99%(246/249)	100%(3/3)
		791	1	1	99%(244/247)	100%(1/1)
		1179	2	1	99%(246/249)	100%(2/2)
		1211	2	3	99%(246/249)	100%(2/2)
		1425	3	1	99%(246/249)	100%(3/3)
		1484	2	1	99%(246/249)	100%(1/1)
		2121	2	1	99%(241/244)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		2721	3	3	99%(246/249)	100%(2/2)
		350	3	2	99%(215/218)	100%(2/2)
274s	95.9	657	3	2	98%(113/115)	100%(2/2)
		2687	4	1	98%(145/148)	100%(4/4)
		28	4	1	98%(42/43)	100%(1/1)
		030	11	1	97%(144/148)	100%(2/2)
		1502	3	1	97%(144/148)	75%(3/4)
		365	9	1	97%(142/147)	100%(2/2)
		368	2	1	97%(143/148)	100%(4/4)
		992	1	1	97%(143/148)	100%(4/4)
		1113	9	1	97%(143/148)	100%(3/3)
275	98.0	no close relatives				
276	97.7	506	1	1	99%(390/393)	100%(6/6)
		1423	5	4	99%(390/395)	100%(5/5)
		2622	2	1	99%(390/395)	100%(6/6)
		1510	5	2	99%(388/394)	100%(5/5)
		2687	2	1	99%(388/394)	100%(7/7)
		1404	6	2	98%(376/382)	100%(6/6)
		278	4	1	98%(384/391)	100%(5/5)
		2328	1	1	98%(388/395)	100%(7/7)
277	98.0	2571	4	14	99%(391/395)	100%(5/5)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		1668	6	3	99%(389/395)	100%(6/6)
		350	7	1	98%(358/364)	75%(3/4)
		656	7	1	98%(388/395)	80%(4/5)
		1077	11	6	98%(386/393)	100%(4/4)
278	98.0	1510	1	4	99%(387/390)	100%(6/6)
		597	6	1	99%(387/391)	80%(4/5)
		2567	2	10	99%(205/207)	100%(3/3)
		276	5	2	98%(384/391)	100%(5/5)
		1404	7	1	98%(371/378)	100%(5/5)
279	95.9	1513	5	1	98%(387/395)	90%(9/10)
		1701	5	2	98%(385/395)	90%(9/10)
280	97.9	416	1	226	100%(71/71)	100%(1/1)
		1564	4	4	99%(363/367)	100%(4/4)
		1343	3	3	99%(78/79)	100%(1/1)
		2634	3	2	99%(77/78)	100%(1/1)
		2907	11	3	99%(286/290)	100%(3/3)
		013	9	33	98%(226/230)	100%(3/3)
		1804	9	6	98%(115/117)	100%(1/1)
		65	7	1	98%(375/382)	100%(4/4)
		011	10	16	98%(252/257)	100%(4/4)
		2679s	8	83	98%(96/98)	100%(2/2)
281	97.2	1341	9	19	99%(390/395)	100%(6/6)
		2	8	1	99%(389/395)	86%(6/7)
		765	16	17	99%(389/395)	100%(6/6)
		1295	10	22	99%(389/395)	100%(6/6)
		411	14	7	98%(388/395)	100%(6/6)
		1083	17	14	98%(387/395)	100%(6/6)

Ms	MT	OMs	C	N	Overall	non-MT
		731s	1	10	98%(44/45)	100%(1/1)
		134	9	1	98%(386/395)	100%(6/6)
		351	6	1	98%(386/395)	75%(6/8)
		151	12	1	98%(385/395)	86%(6/7)
282	97.7	2172	9	16	99%(390/395)	100%(5/5)
		2414	7	17	99%(265/269)	100%(3/3)
		355	11	7	98%(387/395)	100%(5/5)
		2499	8	1	98%(387/395)	71%(5/7)
		2649	10	9	98%(143/146)	67%(2/3)
283	97.5	1188	2	1	99%(160/162)	100%(2/2)
		762	5	1	98%(159/162)	100%(1/1)
		796	8	1	98%(158/161)	100%(2/2)
		811	7	1	98%(159/162)	100%(1/1)
		1623	4	1	98%(159/162)	100%(1/1)
		2497	7	1	98%(159/162)	100%(2/2)
284	99.2	no close relatives				
285	99.5	Kr				
286	98.0	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		2177	1	22	99%(158/159)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		1225	4	5	99%(387/391)	100%(5/5)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(1/1)
		039	4	2	99%(385/391)	80%(4/5)
		1210	4	3	99%(385/391)	100%(6/6)
287	97.7	2649	8	93	98%(143/146)	100%(2/2)
288	97.2	no close relatives				
289	97.2	2679s	1	22	100%(99/99)	100%(3/3)
		956	4	5	99%(392/395)	100%(8/8)
		1640	4	5	99%(392/395)	100%(8/8)
		2282s	4	5	99%(392/395)	100%(8/8)
		963	4	3	99%(390/395)	100%(8/8)
		2107	4	5	99%(390/395)	100%(7/7)
		2497	4	4	99%(389/395)	100%(7/7)
		2737	4	2	99%(389/395)	100%(8/8)
		1239	2	1	98%(386/395)	100%(8/8)
		1802	2	1	98%(386/395)	100%(9/9)
290	97.7	246	2	83	100%(197/198)	100%(2/2)
291	99.0	100	3	3	100%(393/395)	100%(3/3)
		1164	3	3	100%(393/395)	100%(3/3)
		1340	3	3	100%(390/392)	100%(3/3)
		179	6	86	99%(247/249)	100%(1/1)
		371	3	3	99%(392/395)	100%(3/3)
		597	4	3	99%(392/395)	100%(3/3)
		1235	3	4	99%(392/395)	100%(3/3)
		2346	3	4	99%(392/395)	100%(3/3)
292	96.7	416	1	226	100%(76/76)	100%(1/1)
		1804	1	15	100%(122/122)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		771	2	82	100%(207/208)	100%(2/2)
		2760	3	3	99%(385/388)	100%(11/11)
		711	5	109	99%(219/221)	100%(2/2)
		1094	5	2	99%(385/389)	100%(10/10)
		1007	3	2	99%(384/389)	100%(11/11)
		766	4	162	99%(143/145)	100%(2/2)
		1204	2	1	97%(376/388)	71%(5/7)
		405	2	2	97%(240/248)	100%(3/3)
293	97.2	2908	1	8	100%(90/90)	100%(3/3)
		013	9	33	98%(234/238)	100%(3/3)
		2679s	8	83	98%(97/99)	100%(2/2)
		011	14	13	98%(262/268)	100%(4/4)
294	97.5	no close relatives				
295	95.9	1343	1	54	100%(83/83)	100%(2/2)
		2634	1	57	100%(82/82)	100%(2/2)
		2649	5	93	99%(143/145)	100%(3/3)
		1804	9	6	98%(119/121)	100%(2/2)
		990	2	1	97%(379/389)	80%(8/10)
296	96.5	724	1	1	100%(393/395)	100%(12/12)
		2290s	2	1	99%(373/376)	92%(11/12)
		2679s	2	92	99%(98/99)	100%(3/3)
		956	8	8	99%(389/395)	100%(8/8)
		1640	8	8	99%(389/395)	100%(8/8)
		525	3	1	98%(388/395)	92%(12/13)
		1303	5	1	98%(387/395)	83%(10/12)
		2708	4	1	98%(386/394)	100%(11/11)
		1802	6	1	97%(384/395)	90%(9/10)
		1200s	3	1	97%(380/393)	100%(7/7)
297	97.0	2679s	2	92	99%(98/99)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		013	9	33	98%(234/238)	100%(4/4)
		537	4	1	98%(386/394)	100%(7/7)
		2649	8	93	98%(143/146)	100%(2/2)
		527	14	1	98%(386/395)	88%(7/8)
		761	14	1	98%(386/395)	86%(6/7)
		1090	22	1	98%(384/394)	71%(5/7)
		1215	13	1	97%(384/395)	78%(7/9)
298	98.7	2307	2	72	100%(194/195)	100%(1/1)
		930	5	3	99%(331/334)	67%(2/3)
		122	4	19	99%(391/395)	100%(3/3)
		1347	6	7	99%(391/395)	100%(4/4)
299	95.7	175	4	1	98%(385/395)	92%(11/12)
		2524	3	1	97%(380/391)	79%(11/14)
		1006	15	1	97%(381/395)	77%(10/13)
		352	13	2	96%(380/394)	90%(9/10)
		1676	14	1	96%(380/394)	90%(9/10)
		2728	13	1	96%(380/395)	91%(10/11)
		974	13	1	96%(373/388)	77%(10/13)
		782	13	1	96%(379/395)	75%(9/12)



Ms	MT	OMs	C	N	Overall	non-MT
		1268	14	2	96%(379/395)	83%(10/12)
		2252	14	1	96%(378/394)	82%(9/11)
301	97.7	373	1	1	99%(391/395)	88%(7/8)
303	96.4	854	16	2	98%(376/385)	100%(9/9)
		370	12	3	97%(114/117)	100%(3/3)
		819	18	1	97%(375/385)	89%(8/9)
		1256	1	1	97%(375/385)	100%(9/9)
		1265	13	2	97%(375/385)	100%(8/8)
		315	17	2	97%(374/385)	100%(10/10)
		2490	14	1	97%(374/385)	100%(8/8)
		180	3	1	97%(373/385)	100%(8/8)
		523	6	2	97%(372/384)	100%(9/9)
		856	13	1	97%(373/385)	100%(9/9)
305	98.2	240	3	14	100%(388/390)	100%(5/5)
		730	3	17	100%(382/384)	100%(4/4)
		2101	3	7	99%(384/387)	100%(5/5)
		196	2	2	99%(386/390)	100%(5/5)
		1031	5	8	99%(386/390)	100%(4/4)
		1280	4	4	99%(386/390)	100%(5/5)
		1545	4	5	99%(386/390)	100%(5/5)
		1456	4	4	99%(385/390)	100%(4/4)
		2483	1	1	99%(384/390)	80%(4/5)
		2590	4	1	99%(384/390)	83%(5/6)
306	96.7	2679s	2	92	99%(98/99)	100%(2/2)
		736	7	1	98%(383/390)	75%(6/8)
		734	6	1	98%(386/394)	89%(8/9)
		2908	6	47	98%(88/90)	100%(2/2)
		370	8	42	98%(124/127)	100%(3/3)
		2526	8	2	98%(275/282)	75%(3/4)
		755	7	1	97%(384/395)	75%(6/8)
		881	7	3	97%(383/394)	100%(8/8)
		1004	4	1	97%(384/395)	75%(6/8)
		1043	7	2	97%(384/395)	100%(9/9)
315	95.7	370	2	8	99%(126/127)	100%(5/5)
		742	2	1	99%(390/394)	93%(13/14)
		2735	4	1	99%(390/395)	100%(14/14)
		1336	2	3	98%(322/328)	100%(13/13)
		741	4	1	98%(383/393)	93%(14/15)
		817	3	1	98%(385/395)	100%(13/13)
		303	4	4	97%(374/385)	100%(10/10)
		744	3	1	97%(382/395)	94%(15/16)
		2206	2	1	97%(380/393)	93%(14/15)
		1506	3	1	96%(377/391)	93%(13/14)
317	94.9	333	2	1	97%(358/368)	91%(10/11)
		423	2	1	97%(381/395)	92%(12/13)
324	98.7	105	1	8	100%(393/395)	100%(3/3)
		754	1	4	100%(393/395)	100%(3/3)
		2782	2	100	99%(127/128)	100%(1/1)
		1545	5	1	99%(391/395)	60%(3/5)
		2224	3	9	99%(391/395)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
329	99.0	573	1	23	100%(148/148)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
330	96.7	416	1	226	100%(76/76)	100%(1/1)
		1804	1	15	100%(122/122)	100%(3/3)
		217	2	2	99%(391/394)	100%(13/13)
		491	3	2	99%(386/390)	100%(8/8)
		578	3	1	99%(390/394)	100%(12/12)
		1094	5	2	99%(390/394)	100%(10/10)
		1588	3	1	99%(390/394)	100%(11/11)
		119	4	1	99%(389/394)	100%(11/11)
		766	4	162	99%(143/145)	100%(2/2)
		191	4	2	98%(387/394)	100%(10/10)
331	96.5	2623	1	1	100%(393/395)	100%(13/13)
		731s	1	10	98%(44/45)	100%(1/1)
		030	8	1	98%(385/395)	88%(7/8)
		175	9	3	97%(383/395)	100%(9/9)
		1676	10	3	97%(382/394)	100%(9/9)
		2794	14	2	97%(332/343)	100%(9/9)
		375	15	2	97%(380/393)	100%(8/8)
332	98.7	416	1	226	100%(75/75)	100%(1/1)
		179	2	23	100%(232/233)	100%(2/2)
		57	2	1	100%(375/377)	100%(4/4)
		240	3	14	100%(375/377)	100%(4/4)
		730	3	17	100%(369/371)	100%(3/3)
		2381	2	1	100%(375/377)	100%(4/4)
		766	2	54	99%(143/144)	100%(2/2)
		77	2	2	99%(374/377)	80%(4/5)
		244	3	3	99%(374/377)	100%(3/3)
		1804	2	99	99%(120/121)	100%(2/2)
		2101	3	7	99%(371/374)	100%(4/4)
		2782	2	100	99%(122/123)	100%(1/1)
		748	2	29	99%(178/180)	100%(2/2)
		1475	3	1	99%(373/377)	100%(3/3)
		1343	2	233	99%(82/83)	100%(1/1)
		2634	2	234	99%(81/82)	100%(1/1)
333	96.2	423	1	1	98%(362/368)	100%(12/12)
		317	1	1	97%(358/368)	91%(10/11)
335	97.8	370	1	6	100%(15/15)	100%(1/1)
		836	2	3	99%(165/166)	100%(2/2)
		2117	1	1	99%(224/227)	100%(3/3)
		766	4	162	99%(143/145)	100%(1/1)
		522	3	2	98%(223/227)	100%(2/2)
		1096	4	1	98%(223/227)	100%(2/2)
		1152	3	1	98%(222/226)	100%(2/2)
		1355	1	1	98%(223/227)	100%(3/3)
		1549	3	1	98%(223/227)	67%(2/3)
		1678	4	1	98%(223/227)	67%(2/3)
342	98.4	416	1	226	100%(68/68)	100%(1/1)
		2316	1	89	100%(120/120)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		573	2	121	99%(137/138)	100%(1/1)
		45	3	1	99%(363/366)	100%(4/4)
		711	7	2	99%(205/207)	100%(1/1)
		1058	7	1	99%(366/370)	100%(4/4)
		1421	8	3	99%(320/324)	100%(2/2)
		1343	3	3	99%(75/76)	100%(1/1)
		2634	3	2	99%(74/75)	100%(1/1)
		766	6	3	99%(133/135)	100%(1/1)
343	98.0	1295	6	1	99%(391/395)	83%(5/6)
		2679s	2	92	99%(98/99)	100%(2/2)
		22	4	1	99%(390/395)	71%(5/7)
		1341	10	1	99%(390/395)	80%(4/5)
		2907	9	1	99%(294/298)	75%(3/4)
		039	4	2	99%(389/395)	80%(4/5)
		134	5	1	99%(389/395)	71%(5/7)
		2	11	1	98%(388/395)	80%(4/5)
		716	1	1	98%(388/395)	100%(6/6)
		1210	7	1	98%(388/395)	83%(5/6)
344s	97.5	2649	2	17	99%(145/146)	100%(3/3)
		1347	13	1	99%(389/395)	83%(5/6)
345	96.1	no close relatives				
346	93.9	826	3	1	99%(391/394)	100%(23/23)
		543	3	1	99%(389/394)	96%(21/22)
		828	3	1	99%(389/394)	100%(22/22)
		13	3	1	98%(384/394)	100%(23/23)
		788	4	1	97%(382/393)	96%(21/22)
		69	4	1	95%(376/394)	91%(19/21)
		124	5	1	95%(375/394)	94%(17/18)
		1689	3	1	95%(375/394)	88%(15/17)
347	98.5	416	1	226	100%(76/76)	100%(1/1)
		766	1	2	100%(145/145)	100%(3/3)
		927	2	1	100%(394/395)	100%(6/6)
		107	2	1	100%(393/395)	100%(6/6)
		140	2	4	100%(393/395)	100%(5/5)
		2725	2	12	100%(199/200)	100%(2/2)
		2908	2	37	99%(89/90)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		778	2	11	99%(388/393)	100%(4/4)
348	95.9	416	1	226	100%(76/76)	100%(1/1)
		1804	7	160	98%(120/122)	100%(2/2)
		152	7	1	98%(385/395)	90%(9/10)
		555	4	1	98%(385/395)	91%(10/11)
		184	5	1	97%(383/394)	89%(8/9)
349	97.5	2388	2	1	100%(393/395)	100%(8/8)
		2141	2	3	99%(392/395)	100%(7/7)
		534	4	1	98%(371/379)	67%(4/6)
		1465	11	1	98%(386/395)	83%(5/6)
350	98.1	573	2	121	99%(147/148)	100%(2/2)
		2649	2	17	99%(145/146)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		028	4	1	99%(359/364)	75%(3/4)
		144s	6	2	99%(359/364)	100%(3/3)
		655	6	1	99%(359/364)	80%(4/5)
		2324	5	1	99%(359/364)	75%(3/4)
		277	4	1	98%(358/364)	75%(3/4)
		1443	6	2	98%(358/364)	100%(4/4)
351	97.0	1800	2	2	99%(392/395)	100%(9/9)
		765	13	20	99%(390/395)	100%(7/7)
		2	7	10	99%(389/395)	100%(7/7)
		134	7	4	98%(387/395)	100%(7/7)
		1083	18	2	98%(387/395)	86%(6/7)
		1210	9	2	98%(387/395)	100%(7/7)
		2679s	8	83	98%(97/99)	100%(2/2)
		281	8	1	98%(386/395)	75%(6/8)
		2709	8	2	98%(385/395)	100%(7/7)
		2304	14	2	97%(384/395)	86%(6/7)
352	95.7	375	1	1	100%(390/392)	100%(15/15)
		2794	2	2	99%(340/342)	100%(15/15)
		1676	2	2	99%(388/393)	100%(14/14)
		2728	3	1	99%(388/394)	88%(14/16)
		1006	3	1	98%(387/394)	93%(14/15)
		974	3	1	98%(378/387)	87%(13/15)
		1136	2	2	98%(384/393)	89%(8/9)
		175	3	1	98%(384/394)	100%(11/11)
		1268	1	1	98%(384/394)	93%(13/14)
		2524	4	1	97%(378/390)	92%(11/12)
353	98.2	2414	3	3	99%(267/269)	100%(4/4)
		178	3	2	99%(392/395)	100%(5/5)
		997	3	1	99%(392/395)	100%(6/6)
		1592	2	1	99%(392/395)	100%(6/6)
		1672	4	10	99%(392/395)	100%(5/5)
		34	3	1	99%(391/395)	83%(5/6)
		194	2	1	99%(391/395)	83%(5/6)
		770	3	1	99%(375/380)	100%(6/6)
		186	3	2	99%(389/395)	100%(6/6)
		661	3	8	99%(389/395)	100%(4/4)
355	97.7	2782	2	100	99%(127/128)	100%(2/2)
		1240	3	2	99%(391/395)	100%(6/6)
		1418	5	7	99%(390/395)	100%(5/5)
		2451	6	7	99%(390/395)	100%(5/5)
		766	4	162	99%(143/145)	100%(2/2)
		524	1	2	99%(389/395)	100%(6/6)
		661	3	8	99%(389/395)	100%(5/5)
		775	5	2	98%(388/395)	100%(5/5)
		785	4	2	98%(388/395)	83%(5/6)
		282	3	1	98%(387/395)	100%(5/5)
357	92.2	138	2	1	98%(387/394)	96%(26/27)
		994	4	1	97%(384/395)	92%(22/24)

Ms	MT	OMs	C	N	Overall	non-MT
		2684	3	1	97%(384/395)	96%(21/22)
		2575	4	1	96%(368/382)	91%(20/22)
		209	10	1	95%(377/395)	91%(20/22)
		2517	6	3	95%(124/130)	80%(8/10)
		1582	9	1	95%(375/394)	100%(23/23)
		884	5	1	95%(372/391)	94%(17/18)
		1	9	1	95%(375/395)	100%(23/23)
		565	10	1	94%(371/393)	83%(19/23)
358	98.2	573	1	23	100%(148/148)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		219	3	7	100%(393/395)	100%(5/5)
		360	2	2	100%(393/395)	100%(6/6)
		942	3	6	99%(392/395)	100%(4/4)
		1077	3	4	99%(390/393)	100%(6/6)
		1373	2	3	99%(392/395)	100%(6/6)
		2592	3	3	99%(391/394)	100%(6/6)
		2782	2	100	99%(127/128)	100%(2/2)
		1211	3	2	99%(390/395)	100%(5/5)
359	97.7	no close relatives				
360	98.2	573	1	23	100%(148/148)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		2782	1	33	100%(128/128)	100%(2/2)
		219	3	7	100%(393/395)	100%(5/5)
		358	2	2	100%(393/395)	100%(6/6)
		942	3	6	99%(392/395)	100%(4/4)
		1077	3	4	99%(390/393)	100%(6/6)
		1373	2	3	99%(392/395)	100%(6/6)
		2592	3	3	99%(391/394)	100%(6/6)
		779	2	79	99%(84/85)	100%(1/1)
		1211	3	2	99%(390/395)	100%(5/5)
361	99.2	Kr				
363	99.2	Kr				
364	98.5	198	1	1	100%(394/395)	100%(5/5)
		1672	6	17	99%(391/395)	100%(4/4)
		2172	6	10	99%(391/395)	100%(4/4)
		475	9	21	99%(348/352)	100%(4/4)
		779	2	79	99%(84/85)	100%(1/1)
		166	7	11	99%(390/395)	100%(4/4)
		353	6	15	99%(390/395)	100%(4/4)
		777	7	16	99%(390/395)	100%(4/4)
		1191	7	4	99%(390/395)	100%(4/4)
		766	4	162	99%(143/145)	100%(2/2)
365	96.4	68	3	1	98%(386/393)	82%(9/11)
		726	5	1	98%(385/393)	80%(8/10)
		649	7	1	98%(86/88)	100%(1/1)
		1463	7	2	98%(383/392)	80%(8/10)
		557	7	2	98%(383/393)	78%(7/9)
		1113	5	2	97%(382/393)	80%(8/10)

Ms	MT	OMs	C	N	Overall	non-MT
		1375	5	1	97%(382/393)	70%(7/10)
		1377	3	1	97%(378/389)	70%(7/10)
		1007	19	1	97%(380/393)	88%(7/8)
		274s	6	4	97%(142/147)	100%(2/2)
367	99.2	105	1	8	100%(393/395)	100%(2/2)
		390	2	10	100%(393/395)	100%(3/3)
		476	1	7	100%(393/395)	100%(2/2)
		672	1	2	100%(393/395)	100%(2/2)
		754	1	4	100%(393/395)	100%(2/2)
		771	2	82	100%(207/208)	100%(1/1)
		1290	2	5	100%(393/395)	100%(3/3)
		1459	3	13	100%(393/395)	100%(2/2)
		2099	1	15	100%(393/395)	100%(2/2)
		2641	1	5	100%(393/395)	100%(3/3)
368	95.2	649	5	24	98%(87/89)	100%(2/2)
		274s	6	4	97%(143/148)	100%(4/4)
370	96.1	335	1	1	100%(15/15)	100%(1/1)
		856	1	1	100%(127/127)	100%(5/5)
		889	1	1	100%(127/127)	100%(5/5)
		1043	1	1	100%(127/127)	100%(5/5)
		1262	1	1	100%(127/127)	100%(5/5)
		2307	1	35	100%(48/48)	100%(1/1)
		211	2	1	99%(126/127)	100%(5/5)
		247	2	1	99%(126/127)	100%(4/4)
		315	1	1	99%(126/127)	100%(5/5)
		518	1	1	99%(126/127)	100%(4/4)
		819	1	1	99%(126/127)	100%(4/4)
		887	3	2	99%(126/127)	100%(4/4)
		2215	2	3	99%(125/126)	100%(4/4)
		2514	2	3	99%(126/127)	100%(4/4)
		180	1	1	98%(125/127)	100%(3/3)
		266	1	1	98%(125/127)	100%(3/3)
		393	2	1	98%(125/127)	100%(4/4)
		435s	2	1	98%(125/127)	100%(4/4)
		477	1	1	98%(125/127)	100%(5/5)
		755	1	1	98%(125/127)	100%(3/3)
		858	3	1	98%(125/127)	100%(3/3)
		2174	2	1	98%(125/127)	100%(4/4)
		2490	1	1	98%(125/127)	75%(3/4)
		126	1	1	98%(124/127)	75%(3/4)
		192	1	1	98%(124/127)	100%(3/3)
		264	1	1	98%(124/127)	100%(4/4)
		683	3	1	98%(124/127)	100%(3/3)
		744	2	1	98%(124/127)	100%(5/5)
		772	1	1	98%(81/83)	100%(5/5)
		817	2	1	98%(124/127)	100%(5/5)
		833	2	1	98%(124/127)	100%(5/5)
		1029	1	1	98%(124/127)	67%(2/3)
		1188	3	1	98%(124/127)	100%(3/3)
		1203	3	1	98%(124/127)	75%(3/4)

Ms	MT	OMs	C	N	Overall	non-MT
		1309	1	1	98%(124/127)	67%(2/3)
		1542	3	1	98%(122/125)	100%(2/2)
		1574	1	1	98%(124/127)	80%(4/5)
		1709	2	1	98%(124/127)	100%(3/3)
		2206	1	1	98%(124/127)	80%(4/5)
		2608	3	1	98%(124/127)	100%(3/3)
		2620	2	1	98%(124/127)	100%(3/3)
		2660	3	1	98%(124/127)	67%(2/3)
		2727	1	1	98%(124/127)	67%(2/3)
		2775s	3	1	98%(124/127)	75%(3/4)
		303	2	3	97%(114/117)	100%(3/3)
		16	2	1	97%(123/127)	100%(4/4)
		169	2	1	97%(123/127)	100%(2/2)
		492	3	1	97%(123/127)	100%(3/3)
		552	1	1	97%(123/127)	100%(2/2)
		554	1	1	97%(123/127)	100%(3/3)
		829	1	1	97%(123/127)	75%(3/4)
		874	3	1	97%(123/127)	100%(4/4)
		1044	1	1	97%(123/127)	67%(2/3)
		1048	2	1	97%(123/127)	67%(2/3)
		1166	3	1	97%(123/127)	67%(2/3)
		1353	2	1	97%(123/127)	100%(1/1)
		1446	2	1	97%(123/127)	100%(3/3)
		2236	2	1	97%(123/127)	75%(3/4)
		2374	3	1	97%(123/127)	100%(2/2)
		2405	3	1	97%(123/127)	67%(2/3)
		2591	1	1	97%(123/127)	100%(3/3)
		1506	2	1	97%(122/126)	100%(4/4)
371	98.7	100	2	4	100%(394/395)	100%(4/4)
		1164	2	4	100%(394/395)	100%(4/4)
		1340	2	4	100%(391/392)	100%(4/4)
		597	2	3	100%(393/395)	100%(4/4)
		1235	2	3	100%(393/395)	100%(4/4)
		2346	2	3	100%(393/395)	100%(4/4)
		291	2	5	99%(392/395)	100%(3/3)
		1056	2	5	99%(392/395)	100%(4/4)
		1423	2	4	99%(392/395)	100%(4/4)
		1510	2	5	99%(390/394)	100%(4/4)
373	97.5	301	1	1	99%(391/395)	88%(7/8)
		1804	7	160	98%(120/122)	100%(3/3)
		528	6	4	98%(386/395)	100%(6/6)
374	97.7	416	1	226	100%(65/65)	100%(1/1)
		179	2	23	100%(237/238)	100%(2/2)
		711	2	25	100%(209/210)	100%(2/2)
		766	2	54	99%(133/134)	100%(2/2)
		2649	2	17	99%(134/135)	100%(2/2)
		1804	4	3	99%(110/111)	100%(2/2)
		748	3	1	99%(168/170)	100%(2/2)
		2414	5	3	99%(255/258)	100%(3/3)
		1343	4	2	99%(72/73)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		2634	4	2	99%(71/72)	100%(1/1)
375	96.2	352	1	1	100%(390/392)	100%(15/15)
		2794	2	2	99%(341/343)	100%(14/14)
		1676	2	2	99%(387/392)	100%(13/13)
		1136	1	1	98%(385/392)	89%(8/9)
		2728	4	1	98%(386/393)	93%(13/14)
		1006	4	1	98%(385/393)	93%(13/14)
		974	2	1	98%(377/386)	93%(13/14)
		1268	4	1	97%(382/393)	92%(12/13)
		299	3	1	97%(380/393)	90%(9/10)
		2524	5	1	97%(376/389)	91%(10/11)
376	98.1	711	5	109	99%(212/214)	100%(1/1)
		766	4	162	99%(139/141)	100%(1/1)
		1804	9	6	98%(116/118)	100%(1/1)
377	93.9	807	1	1	97%(383/394)	94%(15/16)
379	97.5	2590	1	1	99%(391/395)	100%(8/8)
		1119	5	14	99%(275/278)	100%(3/3)
		1280	9	5	99%(390/395)	100%(6/6)
		1804	7	160	98%(120/122)	100%(1/1)
		811	6	4	98%(388/395)	100%(6/6)
		987s	5	2	98%(387/395)	100%(6/6)
		1217	5	3	98%(387/395)	100%(7/7)
		1436	4	4	98%(387/395)	100%(6/6)
		2694	6	2	98%(387/395)	100%(6/6)
		1643	4	2	98%(386/395)	100%(6/6)
380	99.0	926	2	4	100%(295/296)	100%(2/2)
		771	2	82	100%(207/208)	100%(1/1)
		999	2	7	100%(393/395)	100%(3/3)
		1076	2	7	100%(393/395)	100%(3/3)
		1300	2	12	100%(393/395)	100%(3/3)
		1450	2	7	100%(393/395)	100%(3/3)
		202	3	9	99%(392/395)	100%(3/3)
		261	3	9	99%(392/395)	100%(3/3)
		900	3	9	99%(392/395)	100%(3/3)
		1078	2	10	99%(392/395)	100%(3/3)
		1121	3	7	99%(392/395)	100%(3/3)
		2224	2	8	99%(392/395)	100%(3/3)
		2782	2	100	99%(127/128)	100%(2/2)
386	99.2	Kr				
387	99.0	1389	2	70	100%(394/395)	100%(3/3)
		1477	2	70	100%(394/395)	100%(3/3)
		1497	2	70	100%(394/395)	100%(3/3)
		1552	1	1	100%(394/395)	100%(4/4)
		246	2	83	100%(197/198)	100%(2/2)
		806	2	6	100%(393/395)	100%(3/3)
		953	2	4	100%(393/395)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		2355	2	1	100%(393/395)	100%(3/3)
		1813	1	1	99%(392/395)	100%(4/4)
388	98.2	779	2	79	99%(84/85)	100%(1/1)



Ms	MT	OMs	C	N	Overall	non-MT
389	95.4	1219	6	1	99%(388/394)	80%(12/15)
		489	6	1	98%(387/394)	86%(12/14)
		2902	8	1	98%(387/394)	79%(11/14)
		1079	9	1	98%(386/394)	79%(11/14)
		114	7	1	98%(385/394)	85%(11/13)
		1699	9	1	98%(384/394)	90%(9/10)
		1272	8	1	97%(382/394)	92%(11/12)
		2463	8	1	97%(382/394)	82%(9/11)
		2404	6	1	96%(380/394)	92%(11/12)
		2411	6	1	96%(361/375)	77%(10/13)
390	98.7	484	1	3	100%(394/395)	100%(5/5)
		2266	1	1	100%(394/395)	100%(5/5)
		89	1	1	100%(393/395)	100%(5/5)
		367	1	11	100%(393/395)	100%(3/3)
		483	2	3	100%(393/395)	100%(5/5)
		771	2	82	100%(207/208)	100%(1/1)
		999	3	1	100%(393/395)	75%(3/4)
		1198	2	2	100%(390/392)	100%(5/5)
		1290	2	5	100%(393/395)	100%(4/4)
		1397	1	1	100%(392/394)	100%(4/4)
		1450	3	1	100%(393/395)	75%(3/4)
		2099	1	15	100%(393/395)	100%(3/3)
		2511	1	3	100%(393/395)	100%(4/4)
		2641	1	5	100%(393/395)	100%(4/4)
		2749	1	1	100%(393/395)	80%(4/5)
		74	3	2	99%(391/394)	100%(5/5)
		666s	3	2	99%(392/395)	100%(5/5)
		51	2	2	99%(391/395)	75%(3/4)
		502	3	4	99%(391/395)	100%(4/4)
		1318	3	5	99%(391/395)	100%(3/3)
		1635	3	5	99%(391/395)	100%(3/3)
		2645	3	3	99%(391/395)	100%(4/4)
		779	2	79	99%(84/85)	100%(1/1)
391	97.5	989	3	1	100%(393/395)	100%(8/8)
		800	2	6	99%(180/181)	100%(2/2)
		63	3	1	99%(392/395)	100%(8/8)
		997	9	6	99%(389/395)	100%(6/6)
		1592	8	3	99%(389/395)	100%(6/6)
		2779	10	14	99%(268/272)	100%(3/3)
		2482	3	1	98%(387/395)	100%(6/6)
		770	9	3	98%(372/380)	100%(6/6)
		186	8	2	98%(386/395)	100%(6/6)
392	96.7	2782	2	100	99%(127/128)	100%(2/2)
		1707	4	4	99%(390/395)	100%(9/9)
		862	6	5	99%(389/395)	100%(8/8)
		2573	5	7	98%(387/395)	100%(7/7)
		1265	8	5	98%(386/395)	100%(8/8)
		1302	12	5	98%(386/395)	89%(8/9)
		993	8	5	97%(381/392)	100%(7/7)
		818	7	3	97%(383/395)	100%(9/9)

Ms	MT	OMs	C	N	Overall	non-MT
		2214	13	5	97%(383/395)	100%(8/8)
		370	15	24	97%(123/127)	100%(2/2)
393	97.7	2649	7	3	99%(144/146)	67%(2/3)
		370	4	18	98%(125/127)	100%(4/4)
394	98.5	no close relatives				
395	97.5	771	2	82	100%(207/208)	100%(1/1)
		711	5	109	99%(219/221)	100%(1/1)
		470	6	1	99%(391/395)	88%(7/8)
		490	6	1	99%(391/395)	88%(7/8)
		1486	6	1	99%(391/395)	88%(7/8)
		980	7	1	99%(390/395)	86%(6/7)
		766	4	162	99%(143/145)	100%(1/1)
		1804	7	160	98%(120/122)	100%(1/1)
		748	6	64	98%(178/181)	100%(1/1)
		2649	8	93	98%(143/146)	100%(1/1)
396	98.0	1228	1	1	99%(391/395)	100%(8/8)
		2181	6	16	99%(391/395)	100%(5/5)
		2679s	2	92	99%(98/99)	100%(2/2)
		2907	4	33	99%(295/298)	100%(3/3)
		1073	8	28	99%(390/395)	100%(5/5)
		1790	8	9	99%(389/395)	100%(5/5)
		2386	8	7	99%(388/394)	100%(5/5)
		013	9	33	98%(234/238)	100%(3/3)
		2722	3	2	98%(279/284)	100%(3/3)
		500	4	14	98%(258/263)	100%(4/4)
397	95.4	no close relatives				
399	99.2	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		1514	2	8	100%(394/395)	100%(2/2)
		198	2	1	100%(393/395)	100%(3/3)
		199	3	13	100%(393/395)	100%(2/2)
		653	2	8	100%(393/395)	100%(2/2)
		1157	2	2	100%(393/395)	100%(3/3)
		1205	2	4	100%(393/395)	100%(3/3)
		1459	3	13	100%(393/395)	100%(2/2)
		1687	3	6	100%(393/395)	100%(2/2)
		2098	3	13	100%(393/395)	100%(2/2)
		2200	2	3	100%(393/395)	100%(3/3)
		2354	1	1	100%(393/395)	100%(3/3)
		2356	3	7	100%(393/395)	100%(2/2)
		2415	2	3	100%(393/395)	100%(3/3)
		2507	3	6	100%(393/395)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
402	99.2	Kr				
403	97.0	478	15	6	98%(327/333)	100%(5/5)
		2750	12	1	98%(323/331)	100%(5/5)
405	96.0	2649	9	2	98%(143/146)	75%(3/4)
		292	22	1	97%(240/248)	100%(3/3)
		1393	5	1	97%(239/247)	100%(3/3)
		1432	5	1	97%(240/248)	80%(4/5)

Ms	MT	OMs	C	N	Overall	non-MT
		578	11	1	96%(239/248)	100%(4/4)
		2127	14	1	96%(239/248)	100%(4/4)
406	97.2	416	1	226	100%(76/76)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1110	12	3	98%(386/395)	100%(6/6)
		32	13	2	98%(385/395)	100%(6/6)
408	98.0	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		438	3	7	99%(392/395)	100%(6/6)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(1/1)
		1410	5	1	99%(389/395)	100%(6/6)
		1349	3	7	98%(188/191)	100%(1/1)
409	98.7	2451	3	2	99%(392/395)	100%(4/4)
		183	5	11	99%(391/395)	100%(3/3)
		1240	3	2	99%(391/395)	100%(4/4)
		888	1	4	99%(248/251)	100%(1/1)
410	98.7	414	2	1	100%(393/394)	100%(5/5)
		1466	2	1	100%(393/394)	100%(5/5)
		2472	1	4	100%(392/394)	100%(3/3)
		852	2	2	99%(391/394)	100%(5/5)
		1472	5	6	99%(390/394)	100%(3/3)
		2141	3	3	99%(390/394)	100%(4/4)
		2458	5	3	99%(390/394)	100%(3/3)
		1343	2	233	99%(82/83)	100%(1/1)
		2634	2	234	99%(81/82)	100%(1/1)
411	98.0	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		2307	2	72	100%(194/195)	100%(2/2)
		1349	2	2	99%(189/191)	100%(2/2)
		2907	4	33	99%(295/298)	100%(3/3)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(1/1)
		281	4	1	98%(388/395)	100%(6/6)
		2176	4	1	98%(388/395)	100%(5/5)
412	97.2	1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2649	8	93	98%(143/146)	100%(2/2)
		529	2	1	98%(385/395)	75%(6/8)
413	98.0	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		533	7	6	99%(390/395)	100%(5/5)
		2649	5	93	99%(144/146)	100%(3/3)
		121	5	1	99%(389/395)	100%(5/5)
		1685	5	3	99%(389/395)	100%(6/6)

Ms	MT	OMs	C	N	Overall	non-MT
		1966	1	1	99%(386/392)	100%(7/7)
		2868	4	4	99%(389/395)	100%(5/5)
		500	4	14	98%(258/263)	100%(3/3)
		1343s	1	1	98%(305/311)	75%(3/4)
414	98.5	1466	1	1	100%(395/395)	100%(6/6)
		410	1	2	100%(393/394)	100%(5/5)
		852	1	2	100%(393/395)	100%(6/6)
		1472	3	8	99%(392/395)	100%(4/4)
		2141	2	3	99%(392/395)	100%(5/5)
		1096	1	3	99%(386/390)	100%(6/6)
		1465	1	2	99%(391/395)	100%(6/6)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		269	2	2	99%(390/395)	100%(5/5)
		746	2	8	99%(390/395)	100%(4/4)
415	99.0	1712	1	129	100%(191/191)	100%(1/1)
		201	2	70	100%(394/395)	100%(3/3)
		361	2	73	100%(394/395)	100%(3/3)
		1165	2	73	100%(394/395)	100%(3/3)
		2460	2	73	100%(394/395)	100%(3/3)
		246	2	83	100%(197/198)	100%(2/2)
		1323	3	7	100%(393/395)	100%(3/3)
		1462	3	7	100%(393/395)	100%(3/3)
		1476	3	8	100%(393/395)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		1634	3	7	100%(393/395)	100%(3/3)
		2322	2	6	100%(392/394)	100%(3/3)
		2444	3	9	100%(393/395)	100%(3/3)
416	98.7	021	1	1	100%(76/76)	100%(1/1)
		031s	1	2	100%(74/74)	100%(1/1)
		036	1	3	100%(76/76)	100%(1/1)
		047	1	3	100%(76/76)	100%(1/1)
		5	1	2	100%(76/76)	100%(1/1)
		7	1	3	100%(76/76)	100%(1/1)
		9	1	2	100%(76/76)	100%(1/1)
		14	1	3	100%(76/76)	100%(1/1)
		15	1	1	100%(76/76)	100%(1/1)
		43	1	1	100%(76/76)	100%(1/1)
		45	1	1	100%(76/76)	100%(1/1)
		49	1	1	100%(76/76)	100%(1/1)
		53	1	1	100%(76/76)	100%(1/1)
		57	1	1	100%(76/76)	100%(1/1)
		64	1	1	100%(76/76)	100%(1/1)
		72	1	3	100%(76/76)	100%(1/1)
		75	1	2	100%(76/76)	100%(1/1)
		98	1	2	100%(76/76)	100%(1/1)
		109	1	1	100%(76/76)	100%(1/1)
		111	1	2	100%(76/76)	100%(1/1)
		116	1	1	100%(76/76)	100%(1/1)
		119	1	1	100%(76/76)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		120	1	3	100%(75/75)	100%(1/1)
		125	1	1	100%(75/75)	100%(1/1)
		129	1	1	100%(76/76)	100%(1/1)
		133	1	1	100%(76/76)	100%(1/1)
		135	1	2	100%(76/76)	100%(1/1)
		143	1	1	100%(76/76)	100%(1/1)
		152	1	1	100%(76/76)	100%(1/1)
		153	1	1	100%(76/76)	100%(1/1)
		160	1	2	100%(76/76)	100%(1/1)
		166	1	1	100%(76/76)	100%(1/1)
		179	1	2	100%(76/76)	100%(1/1)
		183	1	3	100%(76/76)	100%(1/1)
		184	1	1	100%(76/76)	100%(1/1)
		188	1	1	100%(76/76)	100%(1/1)
		190	1	1	100%(76/76)	100%(1/1)
		191	1	1	100%(76/76)	100%(1/1)
		193	1	1	100%(76/76)	100%(1/1)
		199	1	4	100%(76/76)	100%(1/1)
		211	1	2	100%(76/76)	100%(1/1)
		212	1	2	100%(76/76)	100%(1/1)
		218	1	1	100%(76/76)	100%(1/1)
		219	1	3	100%(76/76)	100%(1/1)
		230	1	2	100%(76/76)	100%(1/1)
		232	1	2	100%(76/76)	100%(1/1)
		267	1	1	100%(76/76)	100%(1/1)
		272	1	2	100%(76/76)	100%(1/1)
		280	1	1	100%(71/71)	100%(1/1)
		286	1	2	100%(76/76)	100%(1/1)
		292	1	2	100%(76/76)	100%(1/1)
		330	1	2	100%(76/76)	100%(1/1)
		332	1	1	100%(75/75)	100%(1/1)
		342	1	2	100%(68/68)	100%(1/1)
		347	1	2	100%(76/76)	100%(1/1)
		348	1	1	100%(76/76)	100%(1/1)
		374	1	1	100%(65/65)	100%(1/1)
		399	1	2	100%(76/76)	100%(1/1)
		406	1	1	100%(76/76)	100%(1/1)
		408	1	2	100%(76/76)	100%(1/1)
		411	1	2	100%(76/76)	100%(1/1)
		419	1	2	100%(76/76)	100%(1/1)
		438	1	1	100%(76/76)	100%(1/1)
		439	1	2	100%(76/76)	100%(1/1)
		448	1	3	100%(76/76)	100%(1/1)
		449	1	1	100%(76/76)	100%(1/1)
		475	1	2	100%(76/76)	100%(1/1)
		478	1	1	100%(76/76)	100%(1/1)
		497	1	2	100%(76/76)	100%(1/1)
		504	1	2	100%(76/76)	100%(1/1)
		513	1	1	100%(76/76)	100%(1/1)
		516	1	2	100%(76/76)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		527	1	1	100%(76/76)	100%(1/1)
		533	1	1	100%(76/76)	100%(1/1)
		549	1	1	100%(76/76)	100%(1/1)
		551	1	1	100%(76/76)	100%(1/1)
		555	1	1	100%(76/76)	100%(1/1)
		556	1	3	100%(76/76)	100%(1/1)
		560	1	1	100%(76/76)	100%(1/1)
		564	1	1	100%(76/76)	100%(1/1)
		568	1	2	100%(76/76)	100%(1/1)
		587	1	2	100%(76/76)	100%(1/1)
		588	1	2	100%(76/76)	100%(1/1)
		662	1	1	100%(76/76)	100%(1/1)
		688	1	1	100%(76/76)	100%(1/1)
		690	1	1	100%(76/76)	100%(1/1)
		698	1	2	100%(76/76)	100%(1/1)
		707	1	3	100%(76/76)	100%(1/1)
		711	1	1	100%(76/76)	100%(1/1)
		718	1	1	100%(76/76)	100%(1/1)
		728	1	2	100%(76/76)	100%(1/1)
		745	1	1	100%(76/76)	100%(1/1)
		764	1	2	100%(76/76)	100%(1/1)
		766	1	2	100%(76/76)	100%(1/1)
		823	1	2	100%(76/76)	100%(1/1)
		843	1	4	100%(76/76)	100%(1/1)
		844	1	1	100%(76/76)	100%(1/1)
		871	1	3	100%(76/76)	100%(1/1)
		877	1	5	100%(75/75)	100%(1/1)
		880	1	3	100%(76/76)	100%(1/1)
		896	1	2	100%(76/76)	100%(1/1)
		906	1	1	100%(76/76)	100%(1/1)
		927	1	1	100%(76/76)	100%(1/1)
		933	1	1	100%(76/76)	100%(1/1)
		934	1	1	100%(76/76)	100%(1/1)
		937	1	2	100%(76/76)	100%(1/1)
		965	1	2	100%(76/76)	100%(1/1)
		1007	1	2	100%(76/76)	100%(1/1)
		1010	1	1	100%(76/76)	100%(1/1)
		1013	1	1	100%(76/76)	100%(1/1)
		1026	1	2	100%(76/76)	100%(1/1)
		1032	1	4	100%(76/76)	100%(1/1)
		1033	1	3	100%(76/76)	100%(1/1)
		1034	1	2	100%(76/76)	100%(1/1)
		1058	1	3	100%(76/76)	100%(1/1)
		1073	1	1	100%(76/76)	100%(1/1)
		1085	1	1	100%(76/76)	100%(1/1)
		1094	1	2	100%(76/76)	100%(1/1)
		1110	1	1	100%(76/76)	100%(1/1)
		1114	1	2	100%(76/76)	100%(1/1)
		1120	1	2	100%(76/76)	100%(1/1)
		1123	1	1	100%(76/76)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		1127	1	1	100%(76/76)	100%(1/1)
		1142	1	1	100%(76/76)	100%(1/1)
		1155	1	3	100%(76/76)	100%(1/1)
		1157	1	2	100%(76/76)	100%(1/1)
		1163	1	1	100%(76/76)	100%(1/1)
		1167	1	2	100%(76/76)	100%(1/1)
		1186	1	2	100%(76/76)	100%(1/1)
		1191	1	1	100%(76/76)	100%(1/1)
		1192	1	3	100%(76/76)	100%(1/1)
		1193	1	1	100%(76/76)	100%(1/1)
		1197	1	1	100%(76/76)	100%(1/1)
		1203	1	1	100%(76/76)	100%(1/1)
		1205	1	3	100%(76/76)	100%(1/1)
		1216	1	1	100%(76/76)	100%(1/1)
		1223	1	1	100%(76/76)	100%(1/1)
		1225	1	2	100%(76/76)	100%(1/1)
		1226	1	1	100%(76/76)	100%(1/1)
		1232	1	2	100%(76/76)	100%(1/1)
		1238	1	1	100%(76/76)	100%(1/1)
		1285	1	2	100%(76/76)	100%(1/1)
		1297	1	1	100%(76/76)	100%(1/1)
		1310	1	1	100%(76/76)	100%(1/1)
		1322	1	2	100%(76/76)	100%(1/1)
		1338	1	1	100%(76/76)	100%(1/1)
		1357	1	1	100%(76/76)	100%(1/1)
		1367	1	3	100%(76/76)	100%(1/1)
		1410	1	1	100%(76/76)	100%(1/1)
		1439	1	1	100%(76/76)	100%(1/1)
		1449	1	1	100%(76/76)	100%(1/1)
		1452	1	1	100%(76/76)	100%(1/1)
		1459	1	2	100%(76/76)	100%(1/1)
		1464	1	2	100%(76/76)	100%(1/1)
		1467	1	5	100%(76/76)	100%(1/1)
		1471	1	3	100%(76/76)	100%(1/1)
		1473	1	4	100%(76/76)	100%(1/1)
		1478s	1	2	100%(76/76)	100%(1/1)
		1481	1	2	100%(76/76)	100%(1/1)
		1491	1	3	100%(76/76)	100%(1/1)
		1494	1	3	100%(76/76)	100%(1/1)
		1509	1	1	100%(76/76)	100%(1/1)
		1514	1	2	100%(76/76)	100%(1/1)
		1519	1	1	100%(76/76)	100%(1/1)
		1538	1	1	100%(76/76)	100%(1/1)
		1563	1	1	100%(76/76)	100%(1/1)
		1564	1	2	100%(75/75)	100%(1/1)
		1566	1	3	100%(76/76)	100%(1/1)
		1569	1	2	100%(73/73)	100%(1/1)
		1570	1	2	100%(76/76)	100%(1/1)
		1588	1	2	100%(76/76)	100%(1/1)
		1598	1	1	100%(76/76)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		1632	1	3	100%(76/76)	100%(1/1)
		1660	1	1	100%(76/76)	100%(1/1)
		1664	1	4	100%(76/76)	100%(1/1)
		1673	1	1	100%(76/76)	100%(1/1)
		1687	1	3	100%(76/76)	100%(1/1)
		1789	1	3	100%(76/76)	100%(1/1)
		1804	1	15	100%(76/76)	100%(1/1)
		2098	1	4	100%(76/76)	100%(1/1)
		2112	1	2	100%(76/76)	100%(1/1)
		2172	1	1	100%(76/76)	100%(1/1)
		2173	1	2	100%(76/76)	100%(1/1)
		2174	1	1	100%(76/76)	100%(1/1)
		2178	1	1	100%(76/76)	100%(1/1)
		2181	1	2	100%(76/76)	100%(1/1)
		2195	1	1	100%(76/76)	100%(1/1)
		2200	1	2	100%(76/76)	100%(1/1)
		2213	1	1	100%(76/76)	100%(1/1)
		2215	1	1	100%(76/76)	100%(1/1)
		2217	1	2	100%(76/76)	100%(1/1)
		2245	1	1	100%(76/76)	100%(1/1)
		2263	1	1	100%(76/76)	100%(1/1)
		2283	1	2	100%(76/76)	100%(1/1)
		2284	1	1	100%(76/76)	100%(1/1)
		2307	1	35	100%(72/72)	100%(1/1)
		2316	1	89	100%(76/76)	100%(1/1)
		2317	1	2	100%(76/76)	100%(1/1)
		2356	1	2	100%(76/76)	100%(1/1)
		2381	1	1	100%(76/76)	100%(1/1)
		2386	1	1	100%(76/76)	100%(1/1)
		2389	1	1	100%(75/75)	100%(1/1)
		2442	1	1	100%(76/76)	100%(1/1)
		2465	1	1	100%(76/76)	100%(1/1)
		2502	1	3	100%(76/76)	100%(1/1)
		2507	1	3	100%(76/76)	100%(1/1)
		2509	1	1	100%(76/76)	100%(1/1)
		2545	1	2	100%(76/76)	100%(1/1)
		2546	1	2	100%(76/76)	100%(1/1)
		2555	1	1	100%(76/76)	100%(1/1)
		2562	1	1	100%(76/76)	100%(1/1)
		2604	1	4	100%(76/76)	100%(1/1)
		2606	1	1	100%(76/76)	100%(1/1)
		2616	1	1	100%(76/76)	100%(1/1)
		2624	1	2	100%(76/76)	100%(1/1)
		2633	1	1	100%(76/76)	100%(1/1)
		2637	1	3	100%(76/76)	100%(1/1)
		2658	1	1	100%(76/76)	100%(1/1)
		2666	1	1	100%(76/76)	100%(1/1)
		2686	1	3	100%(76/76)	100%(1/1)
		2721	1	3	100%(76/76)	100%(1/1)
		2732	1	1	100%(76/76)	100%(1/1)



Ms	MT	OMs	C	N	Overall	non-MT
		2750	1	1	100%(75/75)	100%(1/1)
		2760	1	2	100%(76/76)	100%(1/1)
		2773	1	4	100%(76/76)	100%(1/1)
		2863	1	2	100%(76/76)	100%(1/1)
419	97.4	416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(192/192)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1556	1	1	98%(370/376)	88%(7/8)
		1804	7	160	98%(120/122)	100%(1/1)
		1013	9	1	98%(380/387)	86%(6/7)
		1085	9	1	98%(380/387)	86%(6/7)
422	96.2	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		2649	5	93	99%(144/146)	100%(3/3)
		1804	7	160	98%(120/122)	100%(2/2)
423	95.2	333	1	1	98%(362/368)	100%(12/12)
		317	2	1	97%(381/395)	92%(12/13)
428	95.2	2679s	8	83	98%(96/98)	100%(2/2)
		723	8	1	98%(384/394)	86%(12/14)
		743	9	1	97%(375/388)	91%(10/11)
		818	12	1	96%(380/394)	91%(10/11)
		857	15	1	96%(379/394)	85%(11/13)
		1534	9	1	96%(379/394)	86%(12/14)
		1336	18	3	96%(314/327)	100%(11/11)
		1182	11	1	96%(210/220)	80%(4/5)
		741	16	1	95%(374/392)	92%(11/12)
		886	16	1	95%(375/393)	90%(9/10)
431	99.2	143	3	8	100%(392/394)	100%(2/2)
		771	2	82	100%(206/207)	100%(1/1)
		926	5	20	99%(293/295)	100%(1/1)
435s	96.7	518	2	1	99%(389/395)	90%(9/10)
		370	4	18	98%(125/127)	100%(4/4)
438	98.2	416	1	226	100%(76/76)	100%(1/1)
		766	2	54	99%(144/145)	100%(2/2)
		408	3	1	99%(392/395)	100%(6/6)
		1804	2	99	99%(121/122)	100%(2/2)
		2782	2	100	99%(127/128)	100%(2/2)
		481	3	1	99%(391/395)	80%(4/5)
		748	2	29	99%(179/181)	100%(2/2)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1438	3	2	99%(390/395)	100%(4/4)
		661	3	8	99%(389/395)	100%(4/4)
439	99.0	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		877	2	2	100%(392/393)	100%(3/3)
		2307	2	72	100%(194/195)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		179	6	86	99%(247/249)	100%(2/2)
		1155	4	11	99%(392/395)	100%(3/3)
440	96.2	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		162	4	1	98%(382/391)	100%(9/9)
443	97.0	159	1	1	100%(393/394)	100%(12/12)
		470	7	2	99%(390/395)	100%(8/8)
		490	7	2	99%(390/395)	100%(8/8)
		839	6	1	99%(390/395)	100%(8/8)
		1486	7	2	99%(390/395)	100%(8/8)
		2238	5	1	98%(380/388)	100%(8/8)
		2516	4	1	98%(385/395)	100%(8/8)
		157	1	1	97%(384/395)	100%(8/8)
		700	4	4	97%(384/395)	75%(6/8)
		2623	6	1	97%(384/395)	88%(7/8)
444	97.7	2809	1	1	100%(393/395)	100%(9/9)
		2908	2	37	99%(89/90)	100%(3/3)
		1039	5	2	99%(389/395)	100%(5/5)
		1190	5	4	99%(389/395)	100%(6/6)
		1664	9	4	99%(389/395)	100%(5/5)
		370	4	18	98%(125/127)	100%(3/3)
		1804	7	160	98%(120/122)	100%(1/1)
		2215	10	2	98%(387/394)	100%(5/5)
		1063	10	3	98%(387/395)	100%(5/5)
		2135	11	3	98%(387/395)	100%(5/5)
445	95.8	no close relatives				
446	97.5	1213	1	2	100%(394/395)	100%(10/10)
		2813	2	1	100%(370/372)	100%(9/9)
		2732	15	1	99%(389/395)	83%(5/6)
		1804	7	160	98%(120/122)	100%(2/2)
		449	19	13	98%(388/395)	100%(6/6)
		2245	16	1	98%(388/395)	100%(6/6)
		2750	6	1	98%(385/392)	100%(6/6)
		2679s	8	83	98%(97/99)	100%(1/1)
		117	15	2	98%(386/395)	71%(5/7)
		370	8	42	98%(124/127)	100%(2/2)
447	98.0	1073	8	28	99%(390/395)	100%(5/5)
		2195	3	5	99%(390/395)	100%(5/5)
		2442	12	19	98%(337/343)	100%(5/5)
		592	15	14	98%(388/395)	100%(5/5)
		1790	14	6	98%(388/395)	80%(4/5)
448	98.5	416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		183	2	1	100%(394/395)	100%(5/5)
		573	2	121	99%(147/148)	100%(1/1)
		274	4	20	99%(247/249)	100%(2/2)
		72	5	3	99%(391/395)	80%(4/5)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		766	4	162	99%(143/145)	100%(1/1)
449	97.7	416	1	226	100%(76/76)	100%(1/1)
		766	2	54	99%(144/145)	100%(2/2)
		1037	2	2	99%(392/395)	100%(7/7)
		1083	2	1	99%(392/395)	88%(7/8)
		1804	2	99	99%(121/122)	100%(2/2)
		2603	2	1	99%(392/395)	89%(8/9)
		148	3	3	99%(391/395)	100%(7/7)
		2679s	2	92	99%(98/99)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		775	2	1	99%(390/395)	100%(6/6)
		263	3	9	99%(389/395)	100%(5/5)
		1511	2	1	98%(387/395)	83%(5/6)
461	98.7	07	1	2	100%(394/395)	100%(5/5)
		550	1	2	100%(394/395)	100%(5/5)
		1341	1	4	100%(394/395)	100%(5/5)
		2297	1	2	100%(394/395)	100%(5/5)
		2907	1	4	100%(297/298)	100%(4/4)
		199	3	13	100%(393/395)	100%(3/3)
		765	2	2	100%(393/395)	100%(5/5)
		1295	2	2	100%(393/395)	100%(5/5)
		1408	2	8	100%(393/395)	100%(3/3)
		2098	3	13	100%(393/395)	100%(3/3)
		2	2	3	99%(392/395)	100%(5/5)
		21	3	3	99%(391/394)	100%(4/4)
		682	3	2	99%(390/393)	75%(3/4)
		1163	3	7	99%(392/395)	100%(4/4)
		1300	3	17	99%(392/395)	100%(3/3)
		1470	1	1	99%(392/395)	100%(4/4)
		2571	3	2	99%(392/395)	100%(4/4)
		2782	2	100	99%(127/128)	100%(2/2)
		563	2	4	99%(391/395)	100%(3/3)
		778	1	4	99%(389/393)	100%(4/4)
		1800	3	3	99%(391/395)	100%(5/5)
		2142	2	4	99%(391/395)	100%(3/3)
		2224	3	9	99%(391/395)	100%(3/3)
		2563	2	3	99%(391/395)	100%(4/4)
		2679s	2	92	99%(98/99)	100%(2/2)
		2908	2	37	99%(89/90)	100%(2/2)
470	97.7	490	1	2	100%(395/395)	100%(9/9)
		1486	1	2	100%(395/395)	100%(9/9)
		980	1	3	100%(394/395)	100%(8/8)
		771	2	82	100%(207/208)	100%(1/1)
		839	1	4	100%(393/395)	100%(8/8)
		2321	1	4	100%(393/395)	100%(8/8)
		395	3	3	99%(391/395)	88%(7/8)
		443	2	4	99%(390/395)	100%(8/8)
		766	4	162	99%(143/145)	100%(1/1)
		159	2	4	99%(388/394)	100%(8/8)

Ms	MT	OMs	C	N	Overall	non-MT
471	98.2	no close relatives				
472	94.3	2679s	7	1	98%(53/54)	100%(3/3)
473	97.5	274	9	39	99%(246/249)	100%(3/3)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		2907	8	39	99%(294/298)	100%(3/3)
		904	7	25	98%(194/198)	100%(2/2)
		2679s	8	83	98%(97/99)	100%(1/1)
		2908	6	47	98%(88/90)	100%(2/2)
		370	8	42	98%(124/127)	100%(2/2)
		770	11	2	98%(371/380)	100%(5/5)
475	98.3	416	1	226	100%(76/76)	100%(1/1)
		779	1	3	100%(55/55)	100%(1/1)
		478	2	1	100%(351/352)	100%(6/6)
		179	2	23	100%(248/249)	100%(2/2)
		711	2	25	100%(220/221)	100%(2/2)
		1191	2	1	99%(350/352)	100%(5/5)
		1672	3	1	99%(350/352)	100%(5/5)
		2474	2	1	99%(349/351)	100%(6/6)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		353	3	2	99%(349/352)	100%(5/5)
		777	3	2	99%(349/352)	100%(5/5)
		364	3	1	99%(348/352)	100%(4/4)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		028	3	1	99%(347/352)	100%(3/3)
		1346	2	1	99%(347/352)	100%(4/4)
		1691	2	1	99%(347/352)	60%(3/5)
		1306	2	2	99%(321/326)	100%(4/4)
475s	90.9	27s	1	1	100%(44/44)	100%(4/4)
		1319	1	1	100%(44/44)	100%(4/4)
		557	6	3	98%(43/44)	100%(3/3)
		726	6	4	98%(43/44)	100%(3/3)
		1377	1	4	98%(43/44)	100%(3/3)
		1128	1	1	97%(30/31)	100%(2/2)
		679	4	1	96%(42/44)	67%(2/3)
		2148	1	1	96%(42/44)	100%(2/2)
		2478	3	1	96%(42/44)	67%(2/3)
		2713	3	1	96%(42/44)	100%(2/2)
476	99.2	105	1	8	100%(393/395)	100%(2/2)
		202	2	2	100%(393/395)	100%(3/3)
		367	1	11	100%(393/395)	100%(2/2)
		754	1	4	100%(393/395)	100%(2/2)
		900	2	2	100%(393/395)	100%(3/3)
		1121	2	3	100%(393/395)	100%(3/3)
		2529	2	2	100%(203/204)	100%(1/1)
477	96.2	370	4	18	98%(125/127)	100%(5/5)
		2174	4	1	98%(387/395)	100%(9/9)

Ms	MT	OMs	C	N	Overall	non-MT
		1528	3	6	98%(385/395)	100%(9/9)
		184	6	1	97%(382/394)	88%(7/8)
		1579	3	2	97%(383/395)	100%(9/9)
		513	6	1	97%(382/395)	100%(8/8)
478	98.0	416	1	226	100%(76/76)	100%(1/1)
		475	2	1	100%(351/352)	100%(6/6)
		179	2	23	100%(248/249)	100%(2/2)
		711	2	25	100%(220/221)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
		1191	3	2	99%(392/395)	100%(6/6)
		1804	2	99	99%(121/122)	100%(2/2)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		403	1	1	98%(327/333)	100%(5/5)
		2369	3	6	98%(367/374)	100%(4/4)
479	99.5	Kr				
480	99.2	Kr				
481	98.5	2782	2	100	99%(127/128)	100%(2/2)
		390	8	5	99%(391/395)	75%(3/4)
		438	6	2	99%(391/395)	80%(4/5)
		1538	5	14	99%(391/395)	100%(4/4)
		779	2	79	99%(84/85)	100%(1/1)
		484	10	5	99%(390/395)	75%(3/4)
		661	2	4	99%(390/395)	100%(4/4)
		1347	9	17	99%(390/395)	100%(4/4)
		2266	10	7	99%(390/395)	75%(3/4)
		2649	5	93	99%(144/146)	100%(2/2)
482	96.2	2400	3	1	98%(387/394)	82%(9/11)
		1398	2	1	98%(387/395)	85%(11/13)
		2516	3	1	98%(386/395)	82%(9/11)
		574	5	1	98%(385/395)	83%(10/12)
		2902	17	1	97%(384/395)	80%(8/10)
		114	14	1	97%(383/395)	80%(8/10)
		699	15	1	97%(382/395)	78%(7/9)
		1313	12	2	97%(382/395)	78%(7/9)
		1816	10	1	97%(381/395)	78%(7/9)
		389	15	2	96%(380/394)	73%(8/11)
483	98.2	74	1	1	100%(393/394)	100%(7/7)
		484	1	3	100%(394/395)	100%(6/6)
		390	2	10	100%(393/395)	100%(5/5)
		771	2	82	100%(207/208)	100%(1/1)
		1198	2	2	100%(390/392)	100%(6/6)
		666s	3	2	99%(392/395)	100%(6/6)
		2266	3	8	99%(392/395)	100%(5/5)
		2518	2	3	99%(392/395)	100%(4/4)
		89	3	6	99%(391/395)	100%(5/5)
		502	3	4	99%(391/395)	100%(5/5)
		1394	3	1	99%(391/395)	100%(5/5)
		2645	3	3	99%(391/395)	100%(5/5)

Ms	MT	OMs	C	N	Overall	non-MT
		2749	3	3	99%(391/395)	80%(4/5)
		90	2	2	99%(390/395)	100%(5/5)
484	98.5	390	1	2	100%(394/395)	100%(5/5)
		483	1	2	100%(394/395)	100%(6/6)
		1198	1	1	100%(391/392)	100%(6/6)
		74	2	2	100%(392/394)	100%(6/6)
		666s	1	1	100%(393/395)	100%(6/6)
		771	2	82	100%(207/208)	100%(1/1)
		2266	2	1	100%(393/395)	100%(5/5)
		89	2	2	99%(392/395)	100%(5/5)
		1290	3	7	99%(392/395)	100%(4/4)
		1397	2	2	99%(391/394)	100%(4/4)
		2511	2	3	99%(392/395)	100%(4/4)
		2641	2	6	99%(392/395)	100%(4/4)
		2645	2	1	99%(392/395)	100%(5/5)
		2749	2	2	99%(392/395)	80%(4/5)
		90	1	2	99%(391/395)	100%(5/5)
486	97.2	no close relatives				
489	96.2	1219	2	2	100%(393/395)	100%(14/14)
		2902	3	3	99%(392/395)	100%(13/13)
		114	2	3	99%(391/395)	100%(13/13)
		1079	4	3	99%(391/395)	100%(13/13)
		041	4	3	99%(390/395)	100%(11/11)
		389	2	1	98%(387/394)	86%(12/14)
		1272	1	2	98%(387/395)	100%(12/12)
		581	3	3	98%(385/395)	92%(11/12)
		2404	2	5	98%(385/395)	100%(12/12)
		2411	2	1	97%(366/376)	79%(11/14)
490	97.7	470	1	2	100%(395/395)	100%(9/9)
		1486	1	2	100%(395/395)	100%(9/9)
		980	1	3	100%(394/395)	100%(8/8)
		771	2	82	100%(207/208)	100%(1/1)
		839	1	4	100%(393/395)	100%(8/8)
		2321	1	4	100%(393/395)	100%(8/8)
		395	3	3	99%(391/395)	88%(7/8)
		443	2	4	99%(390/395)	100%(8/8)
		766	4	162	99%(143/145)	100%(1/1)
		159	2	4	99%(388/394)	100%(8/8)
491	97.7	779	1	3	100%(81/81)	100%(1/1)
		2782	1	33	100%(128/128)	100%(2/2)
		1588	2	3	99%(388/391)	100%(9/9)
		1804	2	99	99%(121/122)	100%(2/2)
		119	3	1	99%(387/391)	100%(9/9)
		330	3	4	99%(386/390)	100%(8/8)
		113	3	1	99%(385/390)	100%(8/8)
		1237	4	1	99%(385/391)	100%(5/5)
		191	4	2	98%(384/391)	100%(7/7)
		522	4	2	98%(383/391)	100%(5/5)
492	95.7	2649	6	3	99%(144/146)	75%(3/4)
		2897	13	1	97%(383/395)	100%(9/9)

Ms	MT	OMs	C	N	Overall	non-MT
		370	15	24	97%(123/127)	100%(3/3)
493	97.5	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		274	9	39	99%(246/249)	100%(3/3)
		904	7	25	98%(194/198)	100%(2/2)
494	96.2	2679s	8	83	98%(97/99)	100%(1/1)
		2649	9	2	98%(143/146)	75%(3/4)
		2908	6	47	98%(88/90)	100%(3/3)
		370	8	42	98%(124/127)	100%(3/3)
		2603	17	5	98%(385/395)	100%(8/8)
		1215	16	1	97%(381/395)	78%(7/9)
495	98.0	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		573	2	121	99%(147/148)	100%(2/2)
		2679s	2	92	99%(98/99)	100%(2/2)
		274	9	39	99%(246/249)	100%(3/3)
		2724	10	2	99%(390/395)	80%(4/5)
		013	9	33	98%(234/238)	100%(2/2)
		1781	7	1	98%(388/395)	83%(5/6)
		011	10	16	98%(263/268)	100%(3/3)
		500	4	14	98%(258/263)	100%(2/2)
496	99.0	843	3	4	100%(389/391)	100%(2/2)
		1473	3	4	100%(389/391)	100%(2/2)
		2604	3	4	100%(389/391)	100%(2/2)
		896	5	2	99%(388/391)	100%(2/2)
		1167	6	2	99%(388/391)	100%(2/2)
497	98.2	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		568	3	3	99%(392/395)	100%(5/5)
		2415	5	17	99%(391/395)	100%(4/4)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		271	6	7	99%(390/395)	100%(4/4)
		766	4	162	99%(143/145)	100%(1/1)
		1349	3	7	98%(188/191)	100%(1/1)
498	98.2	979	2	5	99%(390/394)	100%(4/4)
		1615	4	2	99%(390/394)	100%(5/5)
		1126	1	1	99%(389/394)	100%(6/6)
		2467	5	9	99%(278/282)	100%(3/3)
		1202	2	2	99%(389/395)	100%(6/6)
		1553	2	1	99%(385/391)	100%(6/6)
500	97.7	1349	1	1	100%(66/66)	100%(2/2)
		2172	7	3	99%(260/263)	100%(4/4)
		655	7	2	99%(259/263)	100%(3/3)
		766	6	3	99%(67/68)	100%(1/1)
		1343	5	1	99%(67/68)	100%(1/1)
		1804	6	1	99%(67/68)	100%(1/1)
		2263	3	2	99%(259/263)	100%(3/3)
		2634	5	2	99%(67/68)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		2868	4	4	99%(259/263)	100%(3/3)
		396	7	2	98%(258/263)	100%(4/4)
501	98.0	no close relatives				
502	98.2	1639	1	1	100%(394/395)	100%(6/6)
		2641	3	1	99%(392/395)	80%(4/5)
		483	5	8	99%(391/395)	100%(5/5)
		661	1	2	99%(391/395)	100%(5/5)
		1290	5	15	99%(391/395)	100%(4/4)
		51	3	2	99%(390/395)	100%(4/4)
		74	6	5	99%(389/394)	100%(5/5)
		1454	6	3	99%(390/395)	100%(5/5)
		1394	6	2	99%(389/395)	100%(4/4)
		2315	4	2	99%(389/395)	100%(4/4)
503	98.0	2177	1	22	99%(158/159)	100%(1/1)
504	98.7	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		199	3	13	100%(393/395)	100%(3/3)
		2098	3	13	100%(393/395)	100%(3/3)
		144s	2	2	99%(392/395)	100%(4/4)
		587	5	7	99%(391/394)	100%(3/3)
		2782	2	100	99%(127/128)	100%(2/2)
		1349	2	2	99%(189/191)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
505	97.5	2782	2	100	99%(127/128)	100%(2/2)
		2679s	2	92	99%(98/99)	100%(2/2)
		2725	7	33	99%(198/200)	100%(2/2)
		2908	2	37	99%(89/90)	100%(2/2)
		013	6	27	99%(235/238)	100%(3/3)
		011	5	15	99%(264/268)	100%(4/4)
		148	18	6	98%(387/395)	83%(5/6)
506	98.2	276	1	1	99%(390/393)	100%(6/6)
		2622	1	1	99%(389/393)	100%(5/5)
		1423	5	4	99%(388/393)	100%(4/4)
		2687	1	1	99%(387/392)	100%(6/6)
		1510	5	2	99%(386/392)	100%(3/3)
		1404	6	2	98%(374/380)	100%(4/4)
		013	9	33	98%(232/236)	100%(2/2)
507	98.5	2362	2	1	100%(393/395)	100%(4/4)
		1530	2	1	99%(389/392)	100%(4/4)
		2097	1	1	99%(391/395)	75%(3/4)
508	94.7	087	1	5	96%(50/52)	100%(3/3)
509	98.5	1296	1	1	99%(392/395)	100%(4/4)
		1585	2	2	99%(391/395)	100%(4/4)
		034	4	1	99%(390/395)	75%(3/4)
		21	7	7	99%(389/394)	100%(4/4)
510	99.5	Kr				
511	98.2	2307	2	72	100%(193/194)	100%(1/1)
		1039	3	2	99%(388/391)	100%(5/5)
		1442	6	1	99%(387/391)	100%(4/4)



Ms	MT	OMs	C	N	Overall	non-MT
		2135	5	3	99%(386/391)	100%(5/5)
		2399	9	2	98%(234/238)	75%(3/4)
512	99.0	1590	1	2	100%(146/146)	100%(1/1)
		1712	1	129	100%(191/191)	100%(1/1)
		246	2	83	100%(197/198)	100%(2/2)
		1633	2	77	100%(202/203)	100%(2/2)
		1703	5	1	99%(392/395)	67%(2/3)
		1789	4	1	99%(390/393)	67%(2/3)
513	96.5	416	1	226	100%(76/76)	100%(1/1)
		1804	7	160	98%(120/122)	100%(3/3)
		892s	2	2	98%(250/256)	100%(5/5)
		977	1	1	98%(385/395)	100%(9/9)
		1579	2	2	98%(385/395)	90%(9/10)
		477	6	1	97%(382/395)	100%(8/8)
514	97.7	no close relatives				
515	97.4	573	2	121	99%(146/147)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2400	1	1	98%(380/387)	88%(7/8)
		2649	8	93	98%(143/146)	100%(1/1)
		574	3	1	98%(379/388)	100%(9/9)
		1398	3	1	98%(379/388)	100%(9/9)
		1448	8	1	98%(379/388)	83%(5/6)
516	99.2	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		1467	2	3	100%(333/334)	100%(3/3)
		2773	2	2	100%(393/394)	100%(3/3)
		246	2	83	100%(196/197)	100%(1/1)
		575	3	65	100%(392/394)	100%(2/2)
		877	3	7	100%(390/392)	100%(2/2)
		1033	2	4	100%(392/394)	100%(2/2)
		1114	2	6	100%(392/394)	100%(2/2)
		1117	3	65	100%(392/394)	100%(2/2)
		1474	2	3	100%(392/394)	100%(2/2)
		1494	3	2	100%(392/394)	100%(3/3)
		1633	2	77	100%(201/202)	100%(1/1)
		1686	3	65	100%(392/394)	100%(2/2)
		2307	2	72	100%(194/195)	100%(1/1)
		2352	3	65	100%(392/394)	100%(2/2)
		2389	2	14	100%(386/388)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
518	97.0	370	2	8	99%(126/127)	100%(4/4)
		435s	1	1	99%(389/395)	90%(9/10)
		2812	13	3	98%(385/395)	86%(6/7)
519	96.2	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		904	7	25	98%(194/198)	100%(3/3)
		2679s	8	83	98%(97/99)	100%(2/2)
		1294	2	1	97%(383/395)	89%(8/9)
		2658	7	1	97%(383/395)	89%(8/9)

Ms	MT	OMs	C	N	Overall	non-MT
		370	15	24	97%(123/127)	100%(3/3)
		1215	15	1	97%(382/395)	89%(8/9)
		2214	20	1	97%(381/395)	78%(7/9)
		2660	5	1	97%(381/395)	78%(7/9)
520	97.5	2725	3	1	100%(199/200)	67%(2/3)
		2399	5	5	99%(239/242)	100%(3/3)
		2679s	8	83	98%(97/99)	100%(1/1)
		731s	1	10	98%(44/45)	100%(1/1)
521	99.2	Kr				
522	97.7	766	4	162	99%(143/145)	100%(1/1)
		1804	7	160	98%(120/122)	100%(1/1)
		15	15	12	98%(388/395)	100%(5/5)
		335	6	12	98%(223/227)	100%(2/2)
		491	8	6	98%(383/391)	100%(5/5)
		2321	15	5	98%(387/395)	100%(5/5)
		2649	8	93	98%(143/146)	100%(1/1)
		1306	13	2	98%(361/369)	100%(5/5)
523	95.9	1265	11	4	98%(384/394)	100%(9/9)
		734	21	2	97%(382/393)	89%(8/9)
		854	22	7	97%(383/394)	100%(9/9)
		1302	18	1	97%(383/394)	100%(9/9)
		303	7	3	97%(372/384)	100%(9/9)
		370	15	24	97%(123/127)	100%(3/3)
		315	21	3	97%(381/394)	100%(10/10)
		856	18	1	96%(379/394)	89%(8/9)
		1262	9	1	96%(379/394)	90%(9/10)
		1536	20	1	96%(379/394)	89%(8/9)
524	97.7	355	5	6	99%(389/395)	100%(6/6)
		661	3	8	99%(389/395)	100%(5/5)
		785	4	2	98%(388/395)	83%(5/6)
		1443	8	3	98%(388/395)	100%(5/5)
		449	23	13	98%(387/395)	100%(5/5)
525	95.4	724	6	5	99%(389/395)	100%(12/12)
		1804	7	160	98%(120/122)	100%(2/2)
		296	6	1	98%(388/395)	92%(12/13)
		2290s	8	1	98%(368/376)	92%(11/12)
		2708	8	2	97%(382/394)	100%(11/11)
		1303	9	1	97%(382/395)	91%(10/11)
		1802	7	1	96%(380/395)	90%(9/10)
527	97.0	416	1	226	100%(76/76)	100%(1/1)
		179	2	23	100%(248/249)	100%(3/3)
		711	5	109	99%(219/221)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(2/2)
		748	6	64	98%(178/181)	100%(2/2)
		649	5	24	98%(87/89)	100%(1/1)
		262	2	2	98%(385/395)	86%(6/7)
		809	3	1	97%(384/395)	100%(8/8)
528	97.2	1538	10	18	99%(390/395)	100%(6/6)

Ms	MT	OMs	C	N	Overall	non-MT
		2509	9	2	99%(389/394)	100%(7/7)
		766	4	162	99%(143/145)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		031s	13	6	98%(384/393)	100%(6/6)
		266	5	1	98%(386/395)	100%(7/7)
		373	3	1	98%(386/395)	100%(6/6)
		527	13	3	98%(386/395)	100%(7/7)
		1212	10	5	98%(385/395)	100%(6/6)
		2283	13	1	98%(385/395)	100%(6/6)
529	96.7	60	18	1	98%(387/395)	75%(6/8)
		412	3	1	98%(385/395)	75%(6/8)
530	97.5	2679s	2	92	99%(98/99)	100%(2/2)
		21	11	16	99%(388/394)	100%(5/5)
		1010	13	12	99%(389/395)	100%(6/6)
		011	10	16	98%(263/268)	100%(5/5)
		2369	3	6	98%(367/374)	100%(5/5)
		134	7	4	98%(387/395)	100%(6/6)
		584	7	1	98%(387/395)	83%(5/6)
		1415	9	1	98%(387/395)	83%(5/6)
		2304	9	1	98%(386/395)	86%(6/7)
		2465	12	1	98%(386/395)	83%(5/6)
533	98.2	416	1	226	100%(76/76)	100%(1/1)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		2515	3	1	99%(392/395)	100%(5/5)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		121	2	1	99%(390/395)	100%(5/5)
		413	2	1	99%(390/395)	100%(5/5)
		1297	3	1	99%(390/395)	100%(6/6)
		1665	3	1	99%(390/395)	83%(5/6)
		1642	1	1	99%(389/395)	100%(5/5)
534	97.4	137	1	1	99%(376/379)	89%(8/9)
		762	4	1	98%(372/379)	100%(5/5)
		349	3	1	98%(371/379)	67%(4/6)
		1465	10	1	98%(371/379)	83%(5/6)
		715	4	1	98%(370/379)	88%(7/8)
		1312	4	1	98%(370/379)	75%(6/8)
		657	13	1	98%(277/284)	75%(3/4)
536	99.5	Kr				
537	97.5	573	2	121	99%(146/147)	100%(1/1)
		2567	3	1	99%(207/209)	67%(2/3)
		1343	2	233	99%(82/83)	100%(1/1)
		2634	2	234	99%(81/82)	100%(1/1)
		297	4	1	98%(386/394)	100%(7/7)
		2649	8	93	98%(142/145)	100%(1/1)
		649	5	24	98%(87/89)	100%(1/1)
538	97.7	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		2649	5	93	99%(144/146)	100%(3/3)
543	93.7	826	2	1	100%(393/395)	96%(24/25)
		828	2	1	99%(391/395)	96%(23/24)
		346	3	1	99%(389/394)	96%(21/22)
		13	2	1	98%(386/395)	96%(24/25)
		788	2	1	98%(385/394)	96%(23/24)
		69	5	1	95%(376/395)	86%(19/22)
		124	4	1	95%(376/395)	95%(18/19)
		1689	4	1	95%(375/395)	83%(15/18)
544	94.7	2516	12	1	97%(384/395)	85%(11/13)
		574	6	1	97%(383/395)	86%(12/14)
		1398	9	1	96%(380/395)	77%(10/13)
545	97.0	585	1	1	99%(392/395)	100%(10/10)
		2535	3	3	99%(193/196)	100%(5/5)
		1804	7	160	98%(120/122)	100%(2/2)
		2375	3	1	98%(383/391)	100%(7/7)
		2685	6	3	98%(387/395)	100%(7/7)
		113	10	1	98%(385/394)	88%(7/8)
		292	12	3	98%(380/389)	100%(8/8)
		1641	5	1	98%(385/395)	86%(6/7)
		2703	11	2	98%(385/395)	88%(7/8)
		270	14	4	97%(384/395)	100%(8/8)
546	98.2	582	3	1	99%(222/225)	100%(1/1)
		1080	1	1	99%(222/225)	100%(2/2)
		2284	5	1	99%(222/225)	100%(1/1)
		2508	4	1	99%(222/225)	100%(1/1)
		2686	5	1	99%(222/225)	100%(1/1)
		1404	5	1	99%(213/216)	100%(1/1)
		1306	2	2	99%(197/200)	100%(1/1)
547	99.5	Kr				
548	98.0	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		573	2	121	99%(147/148)	100%(2/2)
		2649	2	17	99%(145/146)	100%(3/3)
		779	2	79	99%(84/85)	100%(1/1)
		766	4	162	99%(143/145)	100%(2/2)
		997	9	6	99%(389/395)	100%(5/5)
		1804	7	160	98%(120/122)	100%(2/2)
		1012	5	9	98%(388/395)	100%(5/5)
		1624	6	5	98%(388/395)	100%(5/5)
549	99.0	416	1	226	100%(76/76)	100%(1/1)
		2666	2	1	100%(394/395)	100%(3/3)
		564	3	1	100%(393/395)	67%(2/3)
		766	2	54	99%(144/145)	100%(2/2)
		179	6	86	99%(247/249)	100%(2/2)
		190	4	2	99%(392/395)	75%(3/4)
		1804	2	99	99%(121/122)	100%(2/2)
		2458	3	1	99%(392/395)	100%(3/3)
		711	5	109	99%(219/221)	100%(2/2)
550	98.5	461	1	5	100%(394/395)	100%(5/5)

Ms	MT	OMs	C	N	Overall	non-MT
		765	1	2	100%(394/395)	100%(6/6)
		07	2	3	100%(393/395)	100%(5/5)
		1341	2	6	100%(393/395)	100%(5/5)
		2297	2	3	100%(393/395)	100%(5/5)
		2545	2	2	100%(392/394)	100%(5/5)
		2177	1	22	99%(158/159)	100%(1/1)
		2907	2	5	99%(296/298)	100%(4/4)
		1800	2	2	99%(392/395)	100%(6/6)
		2782	2	100	99%(127/128)	100%(2/2)
		2	3	6	99%(391/395)	100%(5/5)
		144s	3	5	99%(391/395)	100%(4/4)
		1266	3	2	99%(391/395)	100%(5/5)
		1470	2	5	99%(391/395)	100%(4/4)
		2679s	2	92	99%(98/99)	100%(2/2)
		2908	2	37	99%(89/90)	100%(2/2)
		778	2	11	99%(388/393)	100%(4/4)
		1781	3	2	99%(390/395)	83%(5/6)
551	97.5	416	1	226	100%(76/76)	100%(1/1)
		1127	2	1	100%(394/395)	100%(9/9)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		711	5	109	99%(219/221)	100%(2/2)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2649	5	93	99%(144/146)	100%(2/2)
		934	6	2	98%(386/395)	100%(6/6)
552	96.7	370	15	24	97%(123/127)	100%(2/2)
553	99.5	Kr				
554	96.7	370	15	24	97%(123/127)	100%(3/3)
555	96.2	416	1	226	100%(76/76)	100%(1/1)
		152	2	1	100%(393/395)	100%(13/13)
		892s	2	2	98%(250/256)	100%(4/4)
		348	3	1	98%(385/395)	91%(10/11)
		892	2	1	97%(111/114)	88%(7/8)
		1528	6	2	97%(383/395)	100%(8/8)
		1579	4	1	97%(381/395)	100%(8/8)
		1243	5	1	96%(380/394)	100%(8/8)
556	98.5	416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		1120	3	2	100%(393/395)	100%(5/5)
		2317	2	1	100%(390/392)	100%(5/5)
		573	2	121	99%(147/148)	100%(1/1)
		160	3	2	99%(391/395)	100%(5/5)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2195	3	5	99%(390/395)	100%(4/4)
557	97.0	726	2	1	99%(389/395)	100%(9/9)
		1463	3	1	98%(387/394)	100%(9/9)

Ms	MT	OMs	C	N	Overall	non-MT
		2492	4	2	98%(377/384)	100%(7/7)
		68	5	1	98%(387/395)	89%(8/9)
		1113	1	1	98%(387/395)	90%(9/10)
		475s	2	3	98%(43/44)	100%(3/3)
		1377	1	4	98%(382/391)	100%(9/9)
		1375	2	2	98%(385/395)	78%(7/9)
		679	1	1	97%(383/394)	90%(9/10)
		1502	4	1	97%(384/395)	86%(6/7)
558	97.2	2908	6	47	98%(88/90)	100%(1/1)
560	98.0	416	1	226	100%(76/76)	100%(1/1)
		711	2	25	100%(220/221)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
		179	6	86	99%(247/249)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		2173	5	25	99%(391/395)	100%(5/5)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2649	5	93	99%(144/146)	100%(2/2)
561	98.2	999	5	13	99%(392/395)	100%(4/4)
		1345	2	1	99%(392/395)	100%(6/6)
		1450	5	13	99%(392/395)	100%(4/4)
		2494	2	2	99%(392/395)	100%(6/6)
		2782	2	100	99%(127/128)	100%(2/2)
		1792	5	4	99%(390/395)	100%(4/4)
		2525	4	4	99%(390/395)	100%(4/4)
		766	4	162	99%(143/145)	100%(2/2)
		808	3	5	99%(389/395)	100%(5/5)
		2133	3	1	99%(387/393)	100%(4/4)
562	96.2	87	3	2	99%(390/395)	100%(10/10)
		96	5	1	98%(254/259)	100%(6/6)
		2679s	8	83	98%(97/99)	100%(2/2)
563	98.7	2307	2	72	100%(194/195)	100%(2/2)
		2725	2	12	100%(199/200)	100%(2/2)
		036	5	6	99%(391/395)	100%(3/3)
		183	5	11	99%(391/395)	100%(3/3)
		461	5	24	99%(391/395)	100%(3/3)
		1032	8	10	99%(390/394)	100%(3/3)
		2908	2	37	99%(89/90)	100%(2/2)
		274	9	39	99%(246/249)	100%(2/2)
564	99.2	416	1	226	100%(76/76)	100%(1/1)
		143	3	8	100%(393/395)	100%(2/2)
		549	3	1	100%(393/395)	67%(2/3)
		2389	2	14	100%(387/389)	100%(2/2)
		2666	4	8	100%(393/395)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
565	91.6	994	7	1	96%(379/393)	88%(21/24)
		1582	4	1	96%(377/392)	86%(24/28)
		1	4	1	96%(377/393)	86%(24/28)
		2684	7	1	96%(376/393)	86%(18/21)

Ms	MT	OMs	C	N	Overall	non-MT
		2517	5	1	95%(124/130)	82%(9/11)
		2575	7	1	95%(362/380)	86%(19/22)
		2702	5	1	95%(372/393)	85%(17/20)
		205	8	1	94%(370/392)	76%(19/25)
		2886	7	1	94%(370/392)	74%(17/23)
		087	6	1	92%(48/52)	100%(3/3)
568	98.5	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		497	3	1	99%(392/395)	100%(5/5)
		2415	3	11	99%(392/395)	100%(4/4)
		2782	2	100	99%(127/128)	100%(2/2)
		271	3	5	99%(391/395)	100%(4/4)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
569	96.2	86	1	2	99%(392/395)	100%(13/13)
		1170	2	1	99%(391/395)	100%(12/12)
		1531	3	2	99%(390/395)	100%(12/12)
		2387	4	3	98%(387/395)	100%(9/9)
		1413	3	1	98%(386/395)	91%(10/11)
		2291	5	2	98%(386/395)	100%(12/12)
		2611	6	2	98%(386/395)	100%(10/10)
		71	6	1	98%(385/395)	90%(9/10)
		1458	4	1	98%(385/395)	82%(9/11)
		1663	4	1	97%(370/382)	82%(9/11)
573	98.6	144s	1	3	100%(148/148)	100%(2/2)
		274	1	5	100%(122/122)	100%(2/2)
		329	1	3	100%(148/148)	100%(2/2)
		358	1	3	100%(148/148)	100%(2/2)
		360	1	4	100%(148/148)	100%(2/2)
		592	1	3	100%(148/148)	100%(2/2)
		655	1	3	100%(148/148)	100%(2/2)
		750	1	3	100%(148/148)	100%(2/2)
		877	1	5	100%(147/147)	100%(1/1)
		952	1	4	100%(148/148)	100%(2/2)
		1077	1	4	100%(148/148)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)
		1373	1	3	100%(148/148)	100%(2/2)
		1425	1	3	100%(148/148)	100%(2/2)
		1474	1	3	100%(148/148)	100%(2/2)
		1647	1	3	100%(148/148)	100%(2/2)
		1703	1	5	100%(148/148)	100%(2/2)
		2121	1	3	100%(143/143)	100%(2/2)
		2307	1	35	100%(124/124)	100%(1/1)
		2571	1	3	100%(148/148)	100%(2/2)
		2586	1	3	100%(148/148)	100%(2/2)
		2592	1	4	100%(148/148)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		036	3	1	99%(147/148)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		047	2	1	99%(147/148)	100%(1/1)
		5	3	1	99%(147/148)	100%(1/1)
		7	3	1	99%(147/148)	100%(1/1)
		9	3	1	99%(147/148)	100%(1/1)
		12	1	1	99%(147/148)	100%(1/1)
		72	2	1	99%(147/148)	100%(1/1)
		140	3	2	99%(147/148)	100%(2/2)
		145	1	1	99%(147/148)	100%(1/1)
		148	2	2	99%(147/148)	100%(2/2)
		160	2	1	99%(147/148)	100%(1/1)
		183	3	1	99%(147/148)	100%(1/1)
		185	2	2	99%(147/148)	100%(2/2)
		230	3	1	99%(147/148)	100%(1/1)
		259	2	2	99%(147/148)	100%(2/2)
		286	3	1	99%(147/148)	100%(1/1)
		342	2	1	99%(137/138)	100%(1/1)
		350	1	2	99%(147/148)	100%(2/2)
		408	2	1	99%(147/148)	100%(1/1)
		448	3	1	99%(147/148)	100%(1/1)
		495	2	1	99%(147/148)	100%(2/2)
		497	2	1	99%(147/148)	100%(1/1)
		515	1	1	99%(146/147)	100%(1/1)
		537	1	1	99%(146/147)	100%(1/1)
		548	2	2	99%(147/148)	100%(2/2)
		556	3	1	99%(147/148)	100%(1/1)
		568	2	1	99%(147/148)	100%(1/1)
		597	3	1	99%(147/148)	100%(1/1)
		698	3	1	99%(147/148)	100%(1/1)
		714	2	1	99%(147/148)	100%(2/2)
		728	3	1	99%(147/148)	100%(1/1)
		774	2	1	99%(147/148)	100%(1/1)
		795	3	1	99%(147/148)	100%(2/2)
		871	3	1	99%(147/148)	100%(1/1)
		937	2	1	99%(147/148)	100%(1/1)
		1000	2	1	99%(147/148)	100%(2/2)
		1033	3	1	99%(147/148)	100%(1/1)
		1058	2	1	99%(147/148)	100%(1/1)
		1090	2	2	99%(147/148)	100%(2/2)
		1114	3	1	99%(147/148)	100%(1/1)
		1125	2	1	99%(147/148)	100%(2/2)
		1155	3	1	99%(147/148)	100%(1/1)
		1157	3	1	99%(147/148)	100%(1/1)
		1186	2	1	99%(147/148)	100%(1/1)
		1196	1	1	99%(147/148)	100%(1/1)
		1211	1	2	99%(147/148)	100%(2/2)
		1214	2	1	99%(147/148)	100%(2/2)
		1222	2	1	99%(147/148)	100%(2/2)
		1225	2	1	99%(147/148)	100%(1/1)
		1233	1	1	99%(147/148)	100%(2/2)
		1285	2	1	99%(147/148)	100%(1/1)



Ms	MT	OMs	C	N	Overall	non-MT
		1322	3	1	99%(147/148)	100%(1/1)
		1367	3	1	99%(147/148)	100%(1/1)
		1393	2	2	99%(147/148)	100%(2/2)
		1478s	2	1	99%(147/148)	100%(1/1)
		1485	3	1	99%(147/148)	100%(2/2)
		1491	2	1	99%(147/148)	100%(1/1)
		1521	2	1	99%(147/148)	100%(1/1)
		1539	3	1	99%(147/148)	100%(2/2)
		1564	2	1	99%(141/142)	100%(1/1)
		1565	2	1	99%(147/148)	100%(1/1)
		1569	2	2	99%(139/140)	100%(1/1)
		1570	3	1	99%(147/148)	100%(1/1)
		1583	1	1	99%(147/148)	100%(1/1)
		1648	1	1	99%(147/148)	100%(1/1)
		1664	2	1	99%(147/148)	100%(1/1)
		1668	1	1	99%(147/148)	100%(2/2)
		1692	1	1	99%(147/148)	100%(1/1)
		1789	3	1	99%(145/146)	100%(1/1)
		2112	2	1	99%(147/148)	100%(1/1)
		2139	2	2	99%(147/148)	100%(2/2)
		2200	3	1	99%(147/148)	100%(1/1)
		2217	3	1	99%(147/148)	100%(1/1)
		2317	3	1	99%(147/148)	100%(1/1)
		2322	3	1	99%(147/148)	100%(1/1)
		2324	1	1	99%(147/148)	100%(1/1)
		2474	3	2	99%(147/148)	100%(2/2)
		2500	3	2	99%(147/148)	100%(2/2)
		2502	2	1	99%(147/148)	100%(1/1)
		2686	2	1	99%(147/148)	100%(1/1)
		2721	2	1	99%(147/148)	100%(1/1)
		2724	3	1	99%(147/148)	100%(2/2)
		2767	3	1	99%(147/148)	100%(1/1)
		2863	2	1	99%(147/148)	100%(1/1)
		904	1	3	99%(83/84)	100%(1/1)
574	95.7	2516	1	1	99%(390/395)	100%(13/13)
		2400	2	1	98%(387/394)	83%(10/12)
		515	5	2	98%(379/388)	100%(9/9)
		1398	4	1	98%(386/395)	92%(12/13)
		482	4	1	98%(385/395)	83%(10/12)
		544	2	1	97%(383/395)	86%(12/14)
		489	21	1	97%(381/395)	80%(8/10)
		175	16	1	96%(380/395)	80%(8/10)
		1268	14	2	96%(379/395)	83%(10/12)
575	99.2	Kr				
577	97.7	2634	1	57	100%(83/83)	100%(2/2)
		1343	2	233	99%(83/84)	100%(2/2)
		190	7	7	99%(390/395)	100%(5/5)
		2649	5	93	99%(144/146)	100%(3/3)
		1535	4	1	99%(389/395)	100%(6/6)
		32	8	3	98%(387/395)	100%(6/6)

Ms	MT	OMs	C	N	Overall	non-MT
		269	9	3	98%(387/395)	100%(5/5)
		2812	8	3	98%(387/395)	100%(6/6)
578	95.9	217	1	1	100%(394/395)	100%(16/16)
		1804	2	99	99%(121/122)	100%(3/3)
		330	3	4	99%(390/394)	100%(12/12)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		2649	5	93	99%(144/146)	100%(3/3)
		491	8	6	98%(383/391)	100%(8/8)
		1588	7	2	98%(387/395)	100%(11/11)
		119	6	3	98%(386/395)	100%(11/11)
		405	4	2	96%(239/248)	100%(4/4)
579s	87.3	0109	10	1	92%(89/97)	78%(7/9)
580	98.0	no close relatives				
581	95.4	1690	9	1	98%(386/395)	92%(11/12)
		2902	13	1	98%(386/395)	92%(11/12)
		489	12	2	98%(385/395)	92%(11/12)
		1079	13	1	98%(385/395)	92%(11/12)
		1219	14	1	98%(385/395)	92%(11/12)
		2463	6	3	98%(385/395)	100%(11/11)
		1272	6	4	97%(384/395)	100%(12/12)
		1627	9	1	97%(384/395)	92%(12/13)
		114	13	1	97%(383/395)	91%(10/11)
		2404	5	3	97%(382/395)	100%(12/12)
582	97.7	1712	1	129	100%(191/191)	100%(1/1)
		1561	2	1	99%(391/395)	86%(6/7)
		546	1	5	99%(222/225)	100%(1/1)
		1026	13	1	98%(388/395)	75%(6/8)
		2492	5	1	98%(377/384)	83%(5/6)
		017	4	1	98%(387/395)	100%(5/5)
		2756	9	1	98%(387/395)	67%(4/6)
583	98.0	112	1	1	99%(392/395)	100%(7/7)
		73	4	1	99%(389/395)	100%(7/7)
		11	5	2	98%(388/395)	100%(5/5)
584	97.7	1205	7	21	99%(391/395)	100%(5/5)
		2679s	2	92	99%(98/99)	100%(2/2)
		2907	4	33	99%(295/298)	100%(4/4)
		1341	9	19	99%(390/395)	100%(5/5)
		1080	2	1	99%(389/395)	100%(5/5)
		1295	10	22	99%(389/395)	100%(5/5)
		134	6	3	98%(388/395)	100%(6/6)
		2304	6	1	98%(388/395)	75%(6/8)
		22	7	3	98%(387/395)	100%(5/5)
		530	7	4	98%(387/395)	83%(5/6)
585	97.2	545	1	1	99%(392/395)	100%(10/10)
		2375	1	1	99%(386/391)	100%(8/8)
		2535	3	3	99%(193/196)	100%(5/5)
		1804	7	160	98%(120/122)	100%(2/2)
		113	5	4	98%(387/394)	100%(8/8)
		2685	5	7	98%(388/395)	100%(7/7)

Ms	MT	OMs	C	N	Overall	non-MT
		1306	7	3	98%(362/369)	100%(6/6)
		1434	5	3	98%(387/395)	100%(7/7)
		270	8	3	98%(385/395)	100%(8/8)
		1641	4	1	98%(385/395)	100%(6/6)
586	99.5	Kr				
587	99.0	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		199	2	4	100%(393/394)	100%(3/3)
		2098	2	4	100%(393/394)	100%(3/3)
		711	2	25	100%(219/220)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		461	3	18	99%(391/394)	100%(3/3)
		504	3	5	99%(391/394)	100%(3/3)
		2415	3	11	99%(391/394)	100%(3/3)
		2782	2	100	99%(127/128)	100%(2/2)
588	98.0	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		2307	2	72	100%(194/195)	100%(1/1)
		2177	1	22	99%(158/159)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(1/1)
		1804	7	160	98%(120/122)	100%(1/1)
591	98.5	no close relatives				
592	97.7	573	1	23	100%(148/148)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		2307	2	72	100%(194/195)	100%(2/2)
		1073	4	18	99%(391/395)	100%(6/6)
		1790	4	1	99%(391/395)	86%(6/7)
		011	2	11	99%(265/268)	100%(6/6)
		2649	5	93	99%(144/146)	100%(2/2)
		1346	4	2	99%(389/395)	86%(6/7)
		447	3	1	98%(388/395)	100%(5/5)
595	95.4	no close relatives				
597	98.7	100	2	4	100%(394/395)	100%(4/4)
		1164	2	4	100%(394/395)	100%(4/4)
		1340	2	4	100%(391/392)	100%(4/4)
		371	2	3	100%(393/395)	100%(4/4)
		1235	2	3	100%(393/395)	100%(4/4)
		2346	2	3	100%(393/395)	100%(4/4)
		573	2	121	99%(147/148)	100%(1/1)
		291	2	5	99%(392/395)	100%(3/3)
		1056	2	5	99%(392/395)	100%(4/4)
		1423	2	4	99%(392/395)	100%(4/4)
		278	3	1	99%(387/391)	80%(4/5)
		1510	2	5	99%(390/394)	100%(4/4)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
600	98.2	1031	4	1	99%(383/386)	80%(4/5)
		240	6	9	99%(382/386)	100%(4/4)
		1178	6	8	99%(382/386)	100%(4/4)
		939	6	1	99%(381/386)	100%(4/4)
		2101	6	2	99%(378/383)	100%(4/4)
		2301	9	5	99%(381/386)	100%(4/4)
		766	4	162	99%(143/145)	100%(1/1)
		2467	5	9	99%(277/281)	100%(3/3)
		1804	7	160	98%(120/122)	100%(1/1)
		2673	3	1	98%(380/386)	80%(4/5)
645	99.0	83	2	69	100%(394/395)	100%(3/3)
		1023	2	70	100%(393/394)	100%(3/3)
		1560	2	8	100%(306/307)	100%(2/2)
		1698	2	69	100%(394/395)	100%(3/3)
		1705	2	69	100%(394/395)	100%(3/3)
		2364s	2	69	100%(394/395)	100%(3/3)
		2496	1	1	100%(394/395)	100%(4/4)
		246	2	83	100%(197/198)	100%(2/2)
		1145	3	66	100%(372/374)	100%(2/2)
		1633	2	77	100%(202/203)	100%(2/2)
		2466	3	6	100%(393/395)	100%(3/3)
		2177	1	22	99%(158/159)	100%(1/1)
		1088	3	2	99%(392/395)	100%(3/3)
		1786	3	2	99%(391/394)	100%(3/3)
		2782	2	100	99%(127/128)	100%(1/1)
648	99.0	no close relatives				
649	96.6	836	1	1	100%(50/50)	100%(1/1)
		881	1	1	99%(88/89)	100%(3/3)
		1327	1	1	99%(88/89)	100%(2/2)
		0290	2	1	98%(46/47)	100%(1/1)
		030	4	1	98%(87/89)	100%(1/1)
		368	1	1	98%(87/89)	100%(2/2)
		1009	1	1	98%(87/89)	67%(2/3)
		1589	2	1	98%(87/89)	100%(1/1)
		1606	1	1	98%(87/89)	100%(1/1)
		365	3	1	98%(86/88)	100%(1/1)
650	98.0	9	10	1	98%(388/395)	80%(4/5)
651	98.0	1549	1	1	100%(394/395)	100%(8/8)
		2146	1	1	99%(392/395)	100%(8/8)
652	97.0	no close relatives				
653	99.2	1514	2	8	100%(394/395)	100%(2/2)
		199	3	13	100%(393/395)	100%(2/2)
		399	3	13	100%(393/395)	100%(2/2)
		1459	3	13	100%(393/395)	100%(2/2)
		1687	3	6	100%(393/395)	100%(2/2)
		2098	3	13	100%(393/395)	100%(2/2)
		2356	3	7	100%(393/395)	100%(2/2)
		2507	3	6	100%(393/395)	100%(2/2)
		2529	2	2	100%(203/204)	100%(1/1)
654	97.7	179	6	86	99%(246/248)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		1223	3	2	99%(388/392)	100%(7/7)
		265	5	2	99%(387/393)	86%(6/7)
		2321	8	3	99%(387/393)	100%(6/6)
		1804	9	6	98%(119/121)	100%(1/1)
		2193	8	2	98%(386/393)	86%(6/7)
		1306	11	1	98%(360/367)	80%(4/5)
		041	11	2	98%(385/393)	86%(6/7)
		2685	6	3	98%(385/393)	100%(5/5)
		649	5	24	98%(87/89)	100%(1/1)
655	98.0	573	1	23	100%(148/148)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		2782	2	100	99%(127/128)	100%(2/2)
		779	2	79	99%(84/85)	100%(1/1)
		2717	4	13	99%(227/230)	100%(2/2)
		350	4	1	99%(359/364)	80%(4/5)
		2649	5	93	99%(144/146)	100%(2/2)
		045	5	2	99%(387/393)	100%(5/5)
		500	3	7	99%(259/263)	100%(3/3)
656	98.0	2782	1	33	100%(128/128)	100%(2/2)
		779	2	79	99%(84/85)	100%(1/1)
		045	5	2	99%(387/393)	100%(5/5)
		1804	7	160	98%(120/122)	100%(2/2)
		013	9	33	98%(234/238)	100%(3/3)
		277	6	1	98%(388/395)	80%(4/5)
		449	19	13	98%(388/395)	100%(5/5)
657	97.3	1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		830	3	2	99%(273/277)	100%(2/2)
		269	6	1	98%(289/294)	80%(4/5)
		274s	1	1	98%(113/115)	100%(2/2)
		2622	3	1	98%(289/294)	100%(4/4)
		2649	8	93	98%(143/146)	100%(2/2)
		1358	1	1	98%(287/294)	80%(4/5)
		2687	6	1	98%(286/293)	80%(4/5)
		534	7	1	98%(277/284)	75%(3/4)
660	97.7	779	2	79	99%(84/85)	100%(1/1)
		697	3	2	98%(387/395)	100%(8/8)
		1005	5	1	98%(387/395)	100%(8/8)
		2535	5	6	98%(192/196)	100%(3/3)
		2679s	8	83	98%(97/99)	100%(1/1)
661	98.2	502	3	4	99%(391/395)	100%(5/5)
		1078	4	12	99%(391/395)	100%(4/4)
		481	6	2	99%(390/395)	100%(4/4)
		1639	4	4	99%(390/395)	100%(4/4)
		2451	6	7	99%(390/395)	100%(4/4)
		353	8	25	99%(389/395)	100%(4/4)
		355	5	6	99%(389/395)	100%(5/5)
		524	1	2	99%(389/395)	100%(5/5)
		1240	5	7	99%(389/395)	100%(4/4)

Ms	MT	OMs	C	N	Overall	non-MT
		2414	7	17	99%(265/269)	100%(3/3)
662	98.5	416	1	226	100%(76/76)	100%(1/1)
		2515	1	1	100%(393/395)	100%(5/5)
		766	2	54	99%(144/145)	100%(2/2)
		533	3	3	99%(392/395)	100%(5/5)
		1804	2	99	99%(121/122)	100%(2/2)
		711	5	109	99%(219/221)	100%(2/2)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2649	5	93	99%(144/146)	100%(2/2)
663	97.0	766	4	162	99%(143/145)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		2649	8	93	98%(143/146)	100%(2/2)
		1966	7	1	97%(381/392)	86%(6/7)
664	99.2	no close relatives				
666s	98.0	484	2	4	100%(393/395)	100%(6/6)
		1198	3	1	100%(390/392)	86%(6/7)
		390	5	4	99%(392/395)	100%(5/5)
		483	3	3	99%(392/395)	100%(6/6)
		74	5	3	99%(390/394)	100%(6/6)
		1397	5	1	99%(390/394)	80%(4/5)
		2645	4	4	99%(390/395)	100%(5/5)
		2749	5	2	99%(390/395)	80%(4/5)
		766	4	162	99%(143/145)	100%(1/1)
		90	3	1	99%(389/395)	100%(5/5)
668	97.5	227	2	2	99%(391/395)	100%(6/6)
669	98.7	2132	1	1	99%(391/395)	100%(4/4)
672	99.2	367	1	11	100%(393/395)	100%(2/2)
		1459	3	13	100%(393/395)	100%(2/2)
676	97.5	825	3	1	98%(388/395)	100%(6/6)
		1625	2	1	98%(370/379)	83%(5/6)
677	96.4	011	15	1	98%(261/267)	83%(5/6)
		2908	6	47	98%(87/89)	100%(3/3)
		1228	7	1	97%(383/394)	88%(7/8)
		2304	13	1	97%(383/394)	88%(7/8)
		370	16	5	97%(123/127)	75%(3/4)
679	95.4	557	9	1	97%(383/394)	90%(9/10)
		1113	8	1	97%(381/394)	82%(9/11)
		2478	2	1	96%(377/394)	75%(9/12)
		475s	6	9	96%(42/44)	67%(2/3)
680	98.7	no close relatives				
682	98.7	1408	2	8	100%(391/393)	100%(3/3)
		013	3	1	99%(236/238)	75%(3/4)
		461	4	1	99%(390/393)	75%(3/4)
		1300	3	17	99%(390/393)	100%(3/3)
		2782	2	100	99%(127/128)	100%(2/2)
		07	5	1	99%(389/393)	75%(3/4)
		122	4	19	99%(389/393)	100%(3/3)
		899	4	3	99%(389/393)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		2679s	2	92	99%(98/99)	100%(2/2)
		2908	2	37	99%(89/90)	100%(2/2)
683	95.9	2634	1	57	100%(83/83)	100%(2/2)
		1343	2	233	99%(83/84)	100%(2/2)
		370	8	42	98%(124/127)	100%(3/3)
684	96.2	1252	1	1	100%(393/395)	100%(13/13)
		834	1	2	99%(392/395)	100%(14/14)
		727	3	2	99%(390/394)	100%(12/12)
		749	3	2	99%(390/394)	100%(13/13)
		1261	1	2	99%(386/390)	100%(14/14)
		729	1	3	99%(370/374)	100%(14/14)
		1182	1	1	99%(217/220)	100%(8/8)
		736	2	3	99%(384/390)	100%(9/9)
		1533	3	2	99%(389/395)	92%(12/13)
		1536	1	1	99%(389/395)	92%(12/13)
		2185	1	3	98%(374/381)	92%(11/12)
		883	3	2	98%(386/395)	100%(10/10)
		2214	3	1	98%(386/395)	91%(10/11)
685	99.2	962	3	66	100%(390/392)	100%(2/2)
		1132	3	66	100%(392/394)	100%(2/2)
		1617	3	66	100%(392/394)	100%(2/2)
686	96.5	766	4	162	99%(143/145)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		2649	8	93	98%(143/146)	100%(2/2)
688	98.5	416	1	226	100%(76/76)	100%(1/1)
		766	2	54	99%(144/145)	100%(2/2)
		179	6	86	99%(247/249)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		711	5	109	99%(219/221)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		475	14	30	99%(347/352)	100%(3/3)
		2649	5	93	99%(144/146)	100%(2/2)
689	98.7	1462	2	6	100%(394/395)	100%(4/4)
		1584	1	2	100%(394/395)	100%(4/4)
		1634	2	6	100%(394/395)	100%(4/4)
		2689	1	2	100%(394/395)	100%(5/5)
		246	2	83	100%(197/198)	100%(2/2)
		1508	3	5	100%(393/395)	100%(4/4)
		1618	3	70	100%(393/395)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		1131	2	5	99%(281/283)	100%(3/3)
		1614	2	2	99%(392/395)	100%(5/5)
		1702	3	2	99%(391/395)	100%(3/3)
690	97.0	416	1	226	100%(76/76)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
691	99.2	Kr				
694	98.0	no close relatives				
695	96.5	1343	2	233	99%(83/84)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		2634	2	234	99%(82/83)	100%(1/1)
		1143	5	4	99%(194/197)	67%(2/3)
		1396	3	2	99%(389/395)	100%(9/9)
		370	4	18	98%(125/127)	100%(4/4)
696	99.0	246	1	124	100%(198/198)	100%(2/2)
		1030	2	69	100%(394/395)	100%(3/3)
		1688	2	73	100%(393/394)	100%(2/2)
		1461	3	4	100%(393/395)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		1656	3	7	100%(393/395)	100%(3/3)
		1560	4	29	99%(305/307)	100%(2/2)
		55	4	6	99%(387/390)	100%(3/3)
		1680	4	3	99%(392/395)	100%(3/3)
		2621	3	3	99%(391/394)	100%(2/2)
697	96.2	1005	2	1	99%(391/395)	100%(13/13)
		1365	1	1	99%(391/395)	100%(13/13)
		2372	1	3	99%(278/282)	90%(9/10)
		660	2	4	98%(387/395)	100%(8/8)
		2679s	8	83	98%(97/99)	100%(2/2)
		2394	5	2	98%(385/395)	100%(8/8)
		1455	7	2	97%(382/395)	100%(8/8)
698	98.5	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		2307	2	72	100%(194/195)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
		1142	3	7	99%(390/393)	100%(3/3)
		1341	5	21	99%(391/395)	100%(4/4)
		2679s	2	92	99%(98/99)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(1/1)
699	96.5	2902	2	2	100%(393/395)	100%(13/13)
		1079	3	2	99%(392/395)	100%(13/13)
		1219	3	2	99%(392/395)	100%(13/13)
		041	3	1	99%(391/395)	100%(11/11)
		114	3	2	99%(390/395)	100%(12/12)
		489	4	2	99%(390/395)	100%(12/12)
		1346	3	2	99%(389/395)	100%(9/9)
		1690	2	2	99%(389/395)	100%(11/11)
		1816	3	1	98%(386/395)	100%(10/10)
		2404	3	3	97%(384/395)	100%(11/11)
700	96.7	2321	15	5	98%(387/395)	100%(7/7)
		2280	18	1	98%(385/395)	75%(6/8)
		2516	9	1	98%(385/395)	70%(7/10)
		2624	24	1	98%(385/395)	75%(6/8)
		443	15	1	97%(384/395)	75%(6/8)
		2760	21	1	97%(383/394)	75%(6/8)
		159	11	1	97%(382/394)	75%(6/8)
		270	17	2	97%(383/395)	78%(7/9)
		787	27	1	97%(383/395)	75%(6/8)



Ms	MT	OMs	C	N	Overall	non-MT
		292	20	1	97%(377/389)	75%(6/8)
703	98.5	no close relatives				
705	98.0	no close relatives				
706	95.7	no close relatives				
707	99.0	14	1	3	100%(395/395)	100%(4/4)
		416	1	226	100%(76/76)	100%(1/1)
		2782	1	33	100%(128/128)	100%(2/2)
		199	2	4	100%(394/395)	100%(3/3)
		2098	2	4	100%(394/395)	100%(3/3)
		179	2	23	100%(248/249)	100%(2/2)
		380	2	7	100%(393/395)	100%(3/3)
		587	3	3	100%(392/394)	100%(3/3)
		711	2	25	100%(220/221)	100%(2/2)
		999	2	7	100%(393/395)	100%(3/3)
		1076	2	7	100%(393/395)	100%(3/3)
		1163	2	6	100%(393/395)	100%(4/4)
		1300	2	12	100%(393/395)	100%(3/3)
		1450	2	7	100%(393/395)	100%(3/3)
		1538	2	3	100%(393/395)	100%(4/4)
		1672	2	4	100%(393/395)	100%(4/4)
		2173	2	6	100%(393/395)	100%(4/4)
		766	2	54	99%(144/145)	100%(2/2)
		2414	3	3	99%(267/269)	100%(3/3)
		57	3	4	99%(392/395)	100%(3/3)
		198	3	7	99%(392/395)	100%(3/3)
		202	3	9	99%(392/395)	100%(3/3)
		261	3	9	99%(392/395)	100%(3/3)
		272	3	4	99%(392/395)	100%(4/4)
		353	2	7	99%(392/395)	100%(4/4)
		438	3	7	99%(392/395)	100%(4/4)
		461	3	18	99%(392/395)	100%(3/3)
		504	3	5	99%(392/395)	100%(3/3)
		777	2	4	99%(392/395)	100%(4/4)
		900	3	9	99%(392/395)	100%(3/3)
		1078	2	10	99%(392/395)	100%(3/3)
		1121	3	7	99%(392/395)	100%(3/3)
		1804	2	99	99%(121/122)	100%(2/2)
		2224	2	8	99%(392/395)	100%(3/3)
		2415	3	11	99%(392/395)	100%(3/3)
		2637	3	12	99%(392/395)	100%(4/4)
708	98.5	2782	2	100	99%(127/128)	100%(1/1)
		836	4	4	99%(317/320)	100%(3/3)
		2451	4	5	99%(391/395)	100%(4/4)
		77	6	4	99%(390/395)	100%(4/4)
710	97.5	no close relatives				
711	98.6	416	1	226	100%(76/76)	100%(1/1)
		43	3	1	100%(220/221)	100%(2/2)
		116	2	1	100%(220/221)	100%(2/2)
		143	3	8	100%(220/221)	100%(2/2)
		179	3	1	100%(220/221)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		374	3	1	100%(209/210)	100%(2/2)
		560	2	1	100%(220/221)	100%(2/2)
		587	3	3	100%(219/220)	100%(1/1)
		1123	3	1	100%(220/221)	100%(2/2)
		1127	3	1	100%(220/221)	100%(2/2)
		1226	2	1	100%(220/221)	100%(2/2)
		1538	2	3	100%(220/221)	100%(2/2)
		1598	2	2	100%(220/221)	100%(2/2)
		2172	3	1	100%(220/221)	100%(2/2)
		2173	2	6	100%(220/221)	100%(2/2)
		2181	3	2	100%(220/221)	100%(2/2)
		2389	2	14	100%(216/217)	100%(2/2)
		2509	3	1	100%(220/221)	100%(2/2)
		2616	2	1	100%(219/220)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		166	3	1	99%(219/221)	100%(2/2)
		195	3	1	99%(219/221)	100%(1/1)
		229	2	1	99%(219/221)	100%(2/2)
		259	3	1	99%(219/221)	100%(2/2)
		353	3	2	99%(219/221)	100%(2/2)
		376	1	1	99%(212/214)	100%(1/1)
		395	2	1	99%(219/221)	100%(1/1)
		527	3	1	99%(219/221)	100%(2/2)
		777	3	2	99%(219/221)	100%(2/2)
		786	1	1	99%(219/221)	100%(2/2)
		957	2	1	99%(219/221)	100%(1/1)
		972	1	1	99%(219/221)	67%(2/3)
		973	1	1	99%(219/221)	100%(2/2)
		995	2	1	99%(219/221)	100%(1/1)
		1037	3	1	99%(219/221)	100%(1/1)
		1201	1	1	99%(219/221)	100%(2/2)
		1443	2	1	99%(219/221)	100%(2/2)
		1519	3	1	99%(219/221)	100%(2/2)
		1547	3	1	99%(219/221)	100%(1/1)
		1652	3	1	99%(219/221)	100%(1/1)
		1693	3	1	99%(219/221)	100%(2/2)
		2420	3	1	99%(219/221)	100%(2/2)
		2511	3	1	99%(219/221)	100%(1/1)
		2518	3	1	99%(219/221)	100%(1/1)
		011	2	11	99%(93/94)	100%(1/1)
		500	2	2	99%(88/89)	100%(1/1)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
713	95.4	1006	13	1	97%(381/395)	85%(11/13)
		974	11	1	96%(374/388)	85%(11/13)
		2524	14	1	96%(375/391)	91%(10/11)
		2794	19	2	96%(329/343)	90%(9/10)
		2728	14	1	96%(378/395)	82%(9/11)

Ms	MT	OMs	C	N	Overall	non-MT
714	98.2	2307	2	72	100%(194/195)	100%(2/2)
		573	2	121	99%(147/148)	100%(2/2)
		274	4	20	99%(247/249)	100%(3/3)
		2908	2	37	99%(89/90)	100%(3/3)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		2135	6	1	99%(390/395)	83%(5/6)
		2420	4	5	99%(390/395)	100%(4/4)
		904	4	12	99%(195/198)	100%(2/2)
		2563	5	6	99%(389/395)	100%(4/4)
715	96.5	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		137	7	1	98%(388/395)	89%(8/9)
		2649	8	93	98%(143/146)	100%(3/3)
		534	5	1	98%(370/379)	88%(7/8)
716	97.2	343	8	1	98%(388/395)	100%(6/6)
717	99.5	no close relatives				
718	97.5	416	1	226	100%(76/76)	100%(1/1)
		2307	2	72	100%(194/195)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2687	5	1	98%(385/394)	100%(6/6)
719	98.5	771	1	13	100%(204/204)	100%(1/1)
		926	2	4	100%(291/292)	100%(2/2)
		1300	2	12	100%(389/391)	100%(4/4)
		1804	2	99	99%(117/118)	100%(1/1)
		2782	2	100	99%(127/128)	100%(2/2)
		930	4	3	99%(327/330)	100%(2/2)
		202	4	4	99%(387/391)	100%(3/3)
		900	4	4	99%(387/391)	100%(3/3)
		1143	2	2	99%(192/194)	100%(1/1)
		2908	2	37	99%(89/90)	100%(2/2)
720	97.2	779	2	79	99%(84/85)	100%(1/1)
		2679s	8	83	98%(97/99)	100%(1/1)
		731s	1	10	98%(44/45)	100%(1/1)
		854	21	1	98%(384/394)	86%(6/7)
723	95.7	857	2	1	99%(390/395)	100%(16/16)
		1534	2	1	99%(390/395)	100%(17/17)
		1387	7	1	98%(386/395)	91%(10/11)
		1336	7	2	98%(320/328)	92%(11/12)
		428	3	1	98%(384/394)	86%(12/14)
		2214	6	1	98%(385/395)	83%(10/12)
		993	6	10	97%(382/392)	100%(9/9)
		818	7	3	97%(383/395)	100%(11/11)
		1677	4	1	97%(378/390)	90%(9/10)
		744	4	1	96%(380/395)	81%(13/16)
724	97.0	296	1	1	100%(393/395)	100%(12/12)
		2290s	1	1	100%(374/376)	92%(11/12)
		1804	2	99	99%(121/122)	100%(2/2)
		956	5	4	99%(391/395)	100%(8/8)

Ms	MT	OMs	C	N	Overall	non-MT
		2679s	2	92	99%(98/99)	100%(3/3)
		525	1	1	99%(389/395)	100%(12/12)
		2708	3	1	99%(388/394)	100%(11/11)
		1303	2	2	98%(388/395)	91%(10/11)
		1802	3	1	98%(386/395)	90%(9/10)
		1200s	2	2	97%(382/393)	100%(7/7)
725	97.0	2295	1	1	99%(392/395)	100%(10/10)
		1402	1	1	99%(390/395)	100%(10/10)
726	97.0	1463	1	1	99%(389/394)	100%(10/10)
		68	1	1	99%(389/395)	90%(9/10)
		557	1	1	99%(389/395)	100%(9/9)
		2756	6	2	98%(388/395)	100%(7/7)
		365	2	1	98%(385/393)	80%(8/10)
		475s	2	3	98%(43/44)	100%(3/3)
		1377	1	4	98%(382/391)	100%(9/9)
		2280	12	4	98%(386/395)	100%(7/7)
		1113	2	1	98%(385/395)	89%(8/9)
		1375	2	2	98%(385/395)	78%(7/9)
727	96.7	835	1	1	100%(392/394)	92%(12/13)
		749	1	1	99%(390/393)	92%(12/13)
		684	3	3	99%(390/394)	100%(12/12)
		1252	3	4	99%(390/394)	100%(11/11)
		729	4	1	99%(368/373)	92%(12/13)
		834	2	4	99%(389/394)	100%(12/12)
		736	2	3	99%(383/389)	100%(8/8)
		1536	2	2	99%(388/394)	92%(11/12)
		2185	2	2	98%(373/380)	91%(10/11)
		731s	1	10	98%(44/45)	100%(1/1)
728	98.2	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		2307	2	72	100%(194/195)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
		1341	3	8	99%(392/395)	100%(5/5)
		2549	2	1	99%(391/395)	80%(4/5)
		011	3	1	99%(265/268)	83%(5/6)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		045	3	1	99%(388/393)	100%(5/5)
		2176	3	1	99%(389/395)	100%(5/5)
		1349	3	7	98%(188/191)	100%(1/1)
		2369	1	4	98%(368/374)	100%(4/4)
729	95.5	684	5	1	99%(370/374)	100%(14/14)
		749	4	1	99%(369/373)	100%(14/14)
		1252	5	1	99%(370/374)	100%(13/13)
		834	2	4	99%(369/374)	100%(14/14)
		1533	2	1	99%(369/374)	93%(13/14)
		2908	4	1	99%(78/79)	100%(3/3)
		1261	3	1	99%(364/369)	100%(14/14)
		1182	3	1	98%(206/210)	100%(8/8)
		2185	3	1	98%(353/360)	92%(12/13)

Ms	MT	OMs	C	N	Overall	non-MT
		1267	1	1	96%(359/374)	80%(8/10)
730	99.0	240	1	2	100%(389/389)	100%(4/4)
		2101	2	2	100%(385/386)	100%(4/4)
		246	2	83	100%(191/192)	100%(1/1)
		305	1	2	100%(382/384)	100%(4/4)
		332	3	4	100%(369/371)	100%(3/3)
		769	3	76	100%(387/389)	100%(2/2)
		999	2	7	100%(387/389)	100%(3/3)
		1031	2	12	100%(387/389)	100%(3/3)
		1178	1	10	100%(387/389)	100%(3/3)
		1280	2	5	100%(387/389)	100%(4/4)
		1445	3	76	100%(387/389)	100%(2/2)
		1450	2	7	100%(387/389)	100%(3/3)
		1545	2	2	100%(387/389)	100%(4/4)
		1633	2	77	100%(196/197)	100%(1/1)
		2255	3	76	100%(387/389)	100%(2/2)
		2725	2	12	100%(193/194)	100%(2/2)
		836	2	3	99%(313/315)	100%(2/2)
		2779	3	2	99%(266/268)	100%(2/2)
		196	1	2	99%(386/389)	100%(4/4)
		1019	3	2	99%(386/389)	100%(4/4)
		1057	2	8	99%(386/389)	100%(2/2)
		1456	2	2	99%(386/389)	100%(3/3)
		2518	2	3	99%(386/389)	100%(2/2)
		2782	2	100	99%(126/127)	100%(1/1)
731	93.2	011s	3	1	94%(65/69)	100%(2/2)
		087	3	6	94%(49/52)	100%(2/2)
731s	95.6	281	6	1	98%(44/45)	100%(1/1)
		331	2	1	98%(44/45)	100%(1/1)
		520	4	1	98%(44/45)	100%(1/1)
		720	3	1	98%(44/45)	100%(1/1)
		799	1	1	98%(44/45)	100%(1/1)
		2490	5	1	98%(44/45)	100%(1/1)
		2623	3	1	98%(44/45)	100%(1/1)
		2715	2	1	98%(44/45)	100%(1/1)
		1506	1	1	98%(43/44)	100%(1/1)
		2185	6	1	98%(42/43)	100%(1/1)
732	93.7	863	2	1	98%(89/91)	100%(3/3)
		878	5	1	96%(380/395)	88%(14/16)
733	93.6	154	1	1	97%(365/377)	94%(15/16)
734	96.7	862	6	5	99%(388/394)	100%(8/8)
		858	4	2	98%(387/394)	90%(9/10)
		1265	4	4	98%(387/394)	100%(9/9)
		306	5	1	98%(386/394)	89%(8/9)
		2573	5	7	98%(386/394)	100%(7/7)
		817	6	1	98%(384/394)	83%(10/12)
		303	3	2	97%(374/384)	89%(8/9)
		993	6	10	97%(381/391)	100%(7/7)
		523	3	1	97%(382/393)	89%(8/9)
		874	1	1	97%(383/394)	70%(7/10)

Ms	MT	OMs	C	N	Overall	non-MT
736	97.7	1252	3	4	99%(386/390)	100%(9/9)
		684	7	1	99%(384/390)	100%(9/9)
		727	6	2	99%(383/389)	100%(8/8)
		749	6	2	99%(383/389)	100%(9/9)
		306	3	1	98%(383/390)	75%(6/8)
		820	3	1	98%(381/388)	86%(6/7)
		834	4	2	98%(383/390)	100%(9/9)
		1302	6	1	98%(383/390)	88%(7/8)
		2573	6	1	98%(382/390)	100%(5/5)
		2526	6	1	98%(271/277)	100%(3/3)
741	94.4	855	10	1	98%(385/393)	93%(14/15)
		315	12	1	98%(383/393)	93%(14/15)
		2735	13	3	98%(383/393)	100%(14/14)
		1336	12	1	97%(317/326)	100%(13/13)
		817	12	1	96%(379/393)	93%(13/14)
		1534	11	1	96%(377/393)	87%(13/15)
		886	12	1	96%(375/392)	92%(11/12)
		744	10	1	95%(374/393)	88%(14/16)
		1021	11	1	95%(368/387)	83%(10/12)
		2206	7	1	95%(371/391)	80%(12/15)
742	96.4	2735	2	1	99%(391/394)	93%(13/14)
		315	2	1	99%(390/394)	93%(13/14)
		819	3	1	99%(390/394)	92%(11/12)
		1160	3	1	99%(390/394)	92%(12/13)
		855	2	1	99%(389/394)	85%(11/13)
		2470	3	1	99%(350/355)	85%(11/13)
		1336	1	1	99%(322/327)	92%(12/13)
		818	1	1	98%(387/394)	92%(11/12)
		741	2	1	98%(383/392)	93%(13/14)
		886	2	2	98%(383/393)	100%(11/11)
		1021	3	1	97%(375/388)	75%(9/12)
743	96.1	1804	7	160	98%(120/122)	100%(2/2)
		2679	5	1	97%(285/293)	100%(6/6)
		854	23	1	97%(378/389)	89%(8/9)
		993	11	1	97%(375/386)	78%(7/9)
		1217	9	3	97%(378/389)	100%(8/8)
		1613	20	1	97%(378/389)	89%(8/9)
		723	20	1	97%(377/389)	82%(9/11)
		428	7	1	97%(375/388)	91%(10/11)
		2214	23	1	96%(375/389)	78%(7/9)
		2735	26	1	96%(375/389)	89%(8/9)
744	93.2	833	1	1	98%(388/395)	96%(24/25)
		370	8	42	98%(124/127)	100%(5/5)
		857	18	1	95%(377/395)	81%(13/16)
		1534	13	1	95%(377/395)	82%(14/17)
		741	17	1	95%(374/393)	88%(14/16)
		1506	7	1	95%(370/391)	88%(14/16)
		2206	8	1	94%(371/393)	88%(14/16)
		892	5	1	94%(107/114)	100%(4/4)
		772	5	1	94%(319/340)	75%(12/16)

Ms	MT	OMs	C	N	Overall	non-MT
		2192	3	1	94%(366/391)	81%(13/16)
745	97.2	416	1	226	100%(76/76)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
746	98.2	232	5	11	99%(391/395)	100%(4/4)
		2812	1	2	99%(391/395)	100%(7/7)
		195	6	4	99%(390/395)	100%(4/4)
		2420	4	5	99%(390/395)	100%(4/4)
		766	4	162	99%(143/145)	100%(2/2)
		24	5	2	99%(389/395)	100%(6/6)
		32	5	4	99%(389/395)	100%(6/6)
		263	3	9	99%(389/395)	100%(4/4)
		269	5	3	99%(389/395)	100%(5/5)
		1143	3	21	99%(194/197)	100%(1/1)
747	95.7	no close relatives				
748	97.8	1665	1	1	99%(180/181)	100%(3/3)
		2515	2	1	99%(180/181)	100%(3/3)
		116	5	1	99%(179/181)	100%(2/2)
		844	4	1	99%(179/181)	100%(2/2)
		1357	4	1	99%(179/181)	100%(2/2)
		766	4	162	99%(143/145)	100%(2/2)
		151	4	1	98%(178/181)	100%(2/2)
		164	1	1	98%(178/181)	100%(2/2)
		187	4	1	98%(178/181)	100%(2/2)
		1645	1	1	98%(178/181)	67%(2/3)
749	96.2	727	2	1	99%(390/393)	92%(12/13)
		835	2	1	99%(391/394)	86%(12/14)
		684	3	3	99%(390/394)	100%(13/13)
		1252	3	4	99%(390/394)	100%(12/12)
		729	1	3	99%(369/373)	100%(14/14)
		834	2	4	99%(389/394)	100%(13/13)
		736	2	3	99%(383/389)	100%(9/9)
		1261	4	2	99%(383/389)	100%(13/13)
		1533	3	2	99%(388/394)	92%(12/13)
		2185	1	3	98%(373/380)	92%(11/12)
750	98.0	573	1	23	100%(148/148)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		2307	2	72	100%(194/195)	100%(2/2)
		274	9	39	99%(246/249)	100%(3/3)
		1222	3	1	99%(390/395)	100%(5/5)
		2649	5	93	99%(144/146)	100%(2/2)
752	95.7	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		1425	8	1	98%(384/394)	100%(10/10)
754	99.2	105	1	8	100%(393/395)	100%(2/2)
		324	1	2	100%(393/395)	100%(3/3)
		367	1	11	100%(393/395)	100%(2/2)
		476	1	7	100%(393/395)	100%(2/2)
755	97.0	370	4	18	98%(125/127)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		881	6	2	98%(384/394)	100%(8/8)
		306	22	2	97%(384/395)	75%(6/8)
		858	19	2	97%(384/395)	88%(7/8)
		889	6	1	97%(384/395)	91%(10/11)
		1217	10	4	97%(384/395)	86%(6/7)
		1613	19	8	97%(384/395)	100%(7/7)
757	99.5	Kr				
758	99.0	1092	1	104	100%(252/252)	100%(1/1)
		1400	1	119	100%(211/211)	100%(1/1)
		479	2	71	100%(392/393)	100%(2/2)
		932	2	70	100%(394/395)	100%(3/3)
		961	2	70	100%(394/395)	100%(3/3)
		1596	2	70	100%(394/395)	100%(3/3)
		1620	2	70	100%(394/395)	100%(3/3)
		1628	2	70	100%(394/395)	100%(3/3)
		2122	2	70	100%(394/395)	100%(3/3)
		246	2	83	100%(197/198)	100%(2/2)
		1600	3	6	100%(393/395)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		1656	3	7	100%(393/395)	100%(3/3)
		2466	3	6	100%(393/395)	100%(3/3)
		986	2	8	99%(392/395)	100%(3/3)
		1057	2	8	99%(392/395)	100%(3/3)
759	98.2	946	6	2	99%(391/395)	100%(4/4)
		1792	5	4	99%(390/395)	100%(4/4)
		2525	4	4	99%(390/395)	100%(4/4)
		2856	7	2	99%(390/395)	100%(4/4)
		1143	5	4	99%(194/197)	67%(2/3)
760	97.2	38	5	1	98%(382/389)	86%(6/7)
		31	4	1	97%(379/389)	78%(7/9)
761	97.5	2679s	2	92	99%(98/99)	100%(2/2)
		2908	2	37	99%(89/90)	100%(3/3)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		995	5	1	99%(390/395)	86%(6/7)
		2649	5	93	99%(144/146)	100%(2/2)
		801	4	2	99%(389/395)	100%(6/6)
		1595	3	1	99%(389/395)	67%(6/9)
		998	3	3	98%(387/395)	100%(6/6)
		1215	5	1	98%(387/395)	89%(8/9)
762	98.0	925	6	6	99%(391/395)	100%(5/5)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1557	3	2	99%(389/395)	100%(5/5)
		534	2	1	98%(372/379)	100%(5/5)
		283	2	5	98%(159/162)	100%(1/1)
763	99.2	Kr				
764	99.5	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		179	2	23	100%(248/249)	100%(2/2)



Ms	MT	OMs	C	N	Overall	non-MT
765	98.2	550	1	2	100%(394/395)	100%(6/6)
		1341	1	4	100%(394/395)	100%(6/6)
		21	2	1	100%(392/394)	83%(5/6)
		461	2	5	100%(393/395)	100%(5/5)
		1295	2	2	100%(393/395)	100%(6/6)
		2177	1	22	99%(158/159)	100%(1/1)
		2907	2	5	99%(296/298)	100%(4/4)
		07	3	3	99%(392/395)	100%(5/5)
		2	2	3	99%(392/395)	100%(6/6)
		1083	3	1	99%(392/395)	86%(6/7)
		1142	3	7	99%(390/393)	100%(3/3)
		1225	3	3	99%(392/395)	100%(5/5)
		1266	2	3	99%(392/395)	100%(6/6)
		2297	3	3	99%(392/395)	100%(5/5)
		148	3	3	99%(391/395)	100%(6/6)
		1800	3	3	99%(391/395)	100%(6/6)
		2354	3	6	99%(391/395)	100%(4/4)
		2679s	2	92	99%(98/99)	100%(2/2)
		011	2	11	99%(265/268)	100%(5/5)
		134	3	3	99%(390/395)	100%(6/6)
		351	2	1	99%(390/395)	100%(7/7)
		1210	3	1	99%(390/395)	100%(6/6)
		1470	3	4	99%(390/395)	100%(4/4)
		281	2	2	99%(389/395)	100%(6/6)
		530	3	1	99%(389/395)	83%(5/6)
		584	3	5	99%(389/395)	100%(5/5)
		2369	2	2	98%(368/374)	75%(3/4)
766	97.9	347	1	2	100%(145/145)	100%(3/3)
		416	1	226	100%(76/76)	100%(1/1)
		49	3	1	99%(144/145)	100%(2/2)
		107	3	1	99%(144/145)	100%(3/3)
		116	3	1	99%(144/145)	100%(2/2)
		133	2	1	99%(144/145)	100%(2/2)
		153	2	1	99%(144/145)	100%(2/2)
		190	2	1	99%(144/145)	100%(2/2)
		218	2	1	99%(144/145)	100%(2/2)
		267	2	1	99%(144/145)	100%(3/3)
		272	2	1	99%(144/145)	100%(2/2)
		438	2	1	99%(144/145)	100%(2/2)
		449	2	1	99%(144/145)	100%(2/2)
		533	2	1	99%(144/145)	100%(2/2)
		551	3	1	99%(144/145)	100%(2/2)
		560	3	1	99%(144/145)	100%(2/2)
		662	3	1	99%(144/145)	100%(2/2)
		688	2	1	99%(144/145)	100%(2/2)
		711	3	2	99%(144/145)	100%(2/2)
		844	2	1	99%(144/145)	100%(2/2)
		1197	3	1	99%(144/145)	100%(2/2)
		1226	3	1	99%(144/145)	100%(2/2)
		1357	2	1	99%(144/145)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		1502	1	1	99%(144/145)	100%(2/2)
		1538	3	1	99%(144/145)	100%(2/2)
		1569	2	2	99%(136/137)	100%(1/1)
		1598	3	1	99%(144/145)	100%(2/2)
		2133	1	1	99%(142/143)	100%(2/2)
		2173	3	1	99%(144/145)	100%(2/2)
		2178	3	1	99%(144/145)	100%(2/2)
		2245	3	1	99%(144/145)	100%(2/2)
		2381	3	1	99%(144/145)	100%(2/2)
		2389	3	1	99%(140/141)	100%(2/2)
		2562	2	1	99%(144/145)	100%(2/2)
		2616	3	1	99%(144/145)	100%(2/2)
		2732	3	1	99%(144/145)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		46	2	1	99%(143/145)	100%(2/2)
		73	3	1	99%(143/145)	100%(2/2)
		131	1	1	99%(143/145)	100%(1/1)
		151	2	1	99%(143/145)	100%(2/2)
		185	3	1	99%(143/145)	100%(2/2)
		187	2	1	99%(143/145)	100%(2/2)
		220	3	1	99%(143/145)	100%(1/1)
		376	2	1	99%(139/141)	100%(1/1)
		522	1	1	99%(143/145)	100%(1/1)
		528	2	1	99%(143/145)	100%(2/2)
		561	3	2	99%(143/145)	100%(2/2)
		663	1	1	99%(143/145)	100%(2/2)
		686	1	1	99%(143/145)	100%(2/2)
		746	3	1	99%(143/145)	100%(2/2)
		778	3	1	99%(143/145)	100%(2/2)
		786	2	1	99%(143/145)	100%(2/2)
		830	3	2	99%(143/145)	100%(1/1)
		905	1	1	99%(143/145)	100%(2/2)
		945	2	1	99%(143/145)	100%(1/1)
		954	1	1	99%(143/145)	100%(2/2)
		971	2	1	99%(143/145)	100%(1/1)
		973	3	1	99%(143/145)	100%(2/2)
		1152	1	1	99%(143/145)	100%(1/1)
		1364	1	1	99%(143/145)	100%(2/2)
		1393	3	1	99%(143/145)	100%(2/2)
		1403	1	1	99%(143/145)	67%(2/3)
		1422	1	1	99%(143/145)	100%(2/2)
		1554	3	1	99%(143/145)	100%(1/1)
		1573	1	1	99%(143/145)	100%(3/3)
		1673	3	1	99%(143/145)	100%(2/2)
		2117	2	1	99%(143/145)	100%(1/1)
		2277	2	1	99%(143/145)	100%(2/2)
		2454	3	1	99%(143/145)	100%(1/1)
		2658	3	1	99%(143/145)	100%(2/2)
		2670	2	1	99%(143/145)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		2756	2	1	99%(143/145)	100%(1/1)
		165	1	1	99%(133/135)	100%(1/1)
		500	3	7	99%(67/68)	100%(1/1)
768	99.0	2354	2	2	99%(390/393)	100%(3/3)
769	99.2	Kr				
770	97.4	2649	3	1	99%(130/131)	100%(3/3)
		997	5	1	99%(376/380)	100%(7/7)
		1592	4	3	99%(376/380)	100%(7/7)
		353	6	15	99%(375/380)	100%(6/6)
		1343	4	2	99%(68/69)	100%(2/2)
		2634	5	2	99%(67/68)	100%(2/2)
		186	4	1	98%(374/380)	88%(7/8)
		1364	4	2	98%(372/380)	100%(7/7)
		2482	4	2	98%(372/380)	100%(6/6)
		473	5	2	98%(371/380)	100%(5/5)
771	99.0	268	1	1	100%(208/208)	100%(2/2)
		719	1	1	100%(204/204)	100%(1/1)
		956	1	4	100%(208/208)	100%(2/2)
		1086	1	1	100%(208/208)	100%(2/2)
		1209	1	1	100%(208/208)	100%(2/2)
		1237	1	1	100%(208/208)	100%(2/2)
		1483	1	1	100%(208/208)	100%(2/2)
		1640	1	4	100%(208/208)	100%(2/2)
		2136	1	3	100%(208/208)	100%(2/2)
		2137	1	3	100%(208/208)	100%(2/2)
		2282s	1	4	100%(208/208)	100%(2/2)
		2765	1	1	100%(208/208)	100%(2/2)
		2860	1	1	100%(208/208)	100%(2/2)
		031s	2	1	100%(207/208)	100%(2/2)
		55	1	6	100%(207/208)	100%(1/1)
		74	2	2	100%(207/208)	100%(1/1)
		105	1	8	100%(207/208)	100%(1/1)
		113	1	1	100%(207/208)	100%(2/2)
		135	2	1	100%(207/208)	100%(2/2)
		195	1	3	100%(207/208)	100%(1/1)
		232	2	1	100%(207/208)	100%(2/2)
		239	2	1	100%(207/208)	100%(1/1)
		244	2	1	100%(207/208)	100%(1/1)
		261	1	1	100%(207/208)	100%(1/1)
		265	1	1	100%(207/208)	100%(1/1)
		292	2	1	100%(207/208)	100%(2/2)
		367	1	11	100%(207/208)	100%(1/1)
		380	2	7	100%(207/208)	100%(1/1)
		390	2	10	100%(207/208)	100%(1/1)
		395	1	1	100%(207/208)	100%(1/1)
		431	1	2	100%(206/207)	100%(1/1)
		470	3	3	100%(207/208)	100%(1/1)
		483	2	3	100%(207/208)	100%(1/1)
		484	2	4	100%(207/208)	100%(1/1)
		490	3	3	100%(207/208)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		769	3	76	100%(207/208)	100%(1/1)
		787	1	1	100%(207/208)	100%(2/2)
		806	2	6	100%(207/208)	100%(1/1)
		808	1	1	100%(207/208)	100%(2/2)
		839	1	4	100%(207/208)	100%(1/1)
		864	1	2	100%(207/208)	100%(2/2)
		926	3	1	100%(207/208)	100%(1/1)
		938	3	67	100%(207/208)	100%(1/1)
		939	2	1	100%(207/208)	100%(1/1)
		946	1	1	100%(207/208)	100%(1/1)
		957	1	1	100%(207/208)	100%(1/1)
		963	1	4	100%(207/208)	100%(2/2)
		965	2	1	100%(207/208)	100%(2/2)
		975	3	11	100%(207/208)	100%(1/1)
		980	2	1	100%(207/208)	100%(1/1)
		995	1	1	100%(207/208)	100%(1/1)
		999	2	7	100%(207/208)	100%(1/1)
		1026	2	1	100%(207/208)	100%(2/2)
		1037	1	1	100%(207/208)	100%(1/1)
		1076	2	7	100%(207/208)	100%(1/1)
		1094	2	1	100%(207/208)	100%(2/2)
		1141	2	5	100%(207/208)	100%(1/1)
		1178	1	10	100%(207/208)	100%(1/1)
		1189	3	67	100%(207/208)	100%(1/1)
		1290	2	5	100%(207/208)	100%(1/1)
		1292	1	3	100%(207/208)	100%(1/1)
		1300	2	12	100%(207/208)	100%(1/1)
		1347	1	1	100%(207/208)	100%(1/1)
		1394	1	1	100%(207/208)	100%(1/1)
		1445	3	76	100%(207/208)	100%(1/1)
		1450	2	7	100%(207/208)	100%(1/1)
		1472	2	2	100%(207/208)	100%(1/1)
		1486	3	3	100%(207/208)	100%(1/1)
		1547	1	1	100%(207/208)	100%(1/1)
		1586	1	2	100%(207/208)	100%(1/1)
		1594	3	1	100%(207/208)	100%(1/1)
		1622s	3	2	100%(207/208)	100%(2/2)
		1629	3	2	100%(207/208)	100%(2/2)
		1635	1	2	100%(207/208)	100%(2/2)
		1637	1	7	100%(207/208)	100%(1/1)
		1650	3	67	100%(207/208)	100%(1/1)
		1652	1	1	100%(207/208)	100%(1/1)
		1783	1	1	100%(207/208)	100%(1/1)
		1787	3	1	100%(207/208)	100%(1/1)
		2099	1	15	100%(207/208)	100%(1/1)
		2109	2	4	100%(207/208)	100%(1/1)
		2238	1	1	100%(201/202)	100%(2/2)
		2255	3	76	100%(207/208)	100%(1/1)
		2321	1	4	100%(207/208)	100%(1/1)
		2472	1	4	100%(207/208)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		2511	1	3	100%(207/208)	100%(1/1)
		2518	1	1	100%(207/208)	100%(1/1)
		2624	3	1	100%(207/208)	100%(2/2)
		2637	2	1	100%(207/208)	100%(2/2)
		2641	1	5	100%(207/208)	100%(1/1)
		2645	1	1	100%(207/208)	100%(2/2)
		2665	1	2	100%(207/208)	100%(1/1)
		2703	1	1	100%(207/208)	100%(2/2)
		2708	1	1	100%(206/207)	100%(2/2)
		2760	2	1	100%(206/207)	100%(2/2)
		836	3	1	99%(145/146)	100%(1/1)
		1804	2	99	99%(118/119)	100%(2/2)
772	93.2	370	8	42	98%(81/83)	100%(5/5)
		1262	6	1	97%(329/340)	100%(15/15)
		856	17	1	97%(328/340)	93%(13/14)
		889	10	1	97%(328/340)	94%(15/16)
		1043	13	1	97%(328/340)	93%(13/14)
		744	14	1	94%(319/340)	75%(12/16)
773	99.0	no close relatives				
774	99.2	1521	1	2	100%(393/395)	100%(3/3)
		2307	2	72	100%(194/195)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
775	98.0	1418	3	5	99%(391/395)	100%(5/5)
		449	10	18	99%(390/395)	100%(6/6)
		9	7	1	99%(389/395)	67%(4/6)
		013	9	33	98%(234/238)	100%(3/3)
		117	10	1	98%(388/395)	71%(5/7)
		355	7	3	98%(388/395)	100%(5/5)
		783	11	2	98%(388/395)	100%(5/5)
		1511	1	1	98%(388/395)	83%(5/6)
776	97.0	1455	1	1	99%(390/394)	83%(10/12)
		2394	1	1	99%(390/394)	90%(9/10)
		2613	2	1	99%(388/394)	89%(8/9)
		013	9	33	98%(233/237)	100%(4/4)
		2908	6	47	98%(87/89)	100%(2/2)
		1589	3	1	98%(385/394)	100%(7/7)
		106	1	1	98%(384/394)	100%(8/8)
		1195	2	1	97%(383/394)	89%(8/9)
777	98.2	1672	1	1	100%(394/395)	100%(6/6)
		1266	2	3	99%(392/395)	100%(6/6)
		1341	3	8	99%(392/395)	100%(5/5)
		353	4	4	99%(391/395)	100%(5/5)
		1083	4	10	99%(391/395)	100%(6/6)
		2224	3	9	99%(391/395)	100%(4/4)
		2907	4	33	99%(295/298)	100%(3/3)
		779	2	79	99%(84/85)	100%(1/1)
		2	4	5	99%(390/395)	100%(5/5)
		2550	4	5	99%(390/395)	100%(4/4)
778	98.2	461	5	24	99%(389/393)	100%(4/4)
		971	1	1	99%(389/393)	100%(5/5)

Ms	MT	OMs	C	N	Overall	non-MT
		2297	4	15	99%(389/393)	100%(4/4)
		2725	7	33	99%(197/199)	100%(2/2)
		07	7	8	99%(388/393)	100%(4/4)
		140	7	9	99%(388/393)	100%(4/4)
		1470	3	4	99%(388/393)	100%(4/4)
		766	4	162	99%(143/145)	100%(2/2)
		1660	5	2	99%(387/393)	100%(5/5)
		2768	3	1	99%(387/393)	75%(3/4)
779	97.6	475	1	2	100%(55/55)	100%(1/1)
		491	1	2	100%(81/81)	100%(1/1)
		2782	1	33	100%(59/59)	100%(1/1)
		39	1	1	99%(84/85)	100%(1/1)
		65	3	1	99%(84/85)	100%(1/1)
		95	2	1	99%(84/85)	100%(1/1)
		145	3	3	99%(84/85)	100%(1/1)
		193	2	3	99%(84/85)	100%(1/1)
		194	3	1	99%(84/85)	100%(1/1)
		212	3	1	99%(84/85)	100%(1/1)
		388	1	1	99%(84/85)	100%(1/1)
		548	3	1	99%(84/85)	100%(1/1)
		655	3	2	99%(84/85)	100%(1/1)
		656	2	1	99%(84/85)	100%(1/1)
		660	1	1	99%(84/85)	100%(1/1)
		720	1	1	99%(84/85)	100%(1/1)
		903	1	1	99%(84/85)	100%(1/1)
		931	1	1	99%(84/85)	100%(1/1)
		1084	2	1	99%(84/85)	100%(1/1)
		1204	1	1	99%(83/84)	100%(1/1)
		1212	2	1	99%(84/85)	100%(1/1)
		1298	2	1	99%(84/85)	100%(1/1)
		1299	1	3	99%(84/85)	100%(2/2)
		1440	1	1	99%(84/85)	100%(1/1)
		1603	1	1	99%(84/85)	100%(1/1)
		1673	2	3	99%(84/85)	100%(1/1)
		1677	1	1	99%(84/85)	100%(1/1)
		1691	1	1	99%(84/85)	100%(1/1)
		2283	3	3	99%(84/85)	100%(1/1)
		2521	2	1	99%(84/85)	100%(1/1)
		2523	2	1	99%(84/85)	100%(1/1)
		2535	2	1	99%(84/85)	100%(1/1)
		2550	3	1	99%(84/85)	100%(1/1)
		2868	2	3	99%(84/85)	100%(1/1)
		2897	3	1	99%(84/85)	100%(1/1)
780	94.9	48	1	1	97%(380/390)	94%(15/16)
		1006	16	1	96%(373/390)	77%(10/13)
		2524	17	1	96%(369/386)	100%(10/10)
		782	15	1	95%(372/390)	83%(10/12)
		2728	16	1	95%(372/390)	91%(10/11)
		2252	16	1	95%(370/389)	82%(9/11)
		2397	14	1	95%(371/390)	77%(10/13)

Ms	MT	OMs	C	N	Overall	non-MT
		974	16	1	95%(364/383)	69%(9/13)
781	95.2	frag				
782	94.9	2252	2	1	99%(390/394)	94%(17/18)
		2397	3	1	99%(389/395)	90%(17/19)
		1001	3	1	98%(387/395)	90%(17/19)
		1006	5	1	98%(386/395)	94%(15/16)
		1676	5	2	98%(385/394)	93%(13/14)
		2728	6	2	98%(386/395)	88%(14/16)
		974	5	1	97%(377/388)	88%(14/16)
		1268	5	1	97%(384/395)	88%(14/16)
		475s	6	9	96%(42/44)	67%(2/3)
		780	5	1	95%(372/390)	83%(10/12)
783	97.7	153	7	2	99%(391/395)	83%(5/6)
		1238	7	28	99%(391/395)	100%(5/5)
		2679s	2	92	99%(98/99)	100%(2/2)
		2693s	3	1	99%(372/376)	86%(6/7)
		901	3	1	99%(390/395)	88%(7/8)
		1418	5	7	99%(390/395)	100%(5/5)
		2462	3	1	99%(390/395)	100%(5/5)
		766	4	162	99%(143/145)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		775	5	2	98%(388/395)	100%(5/5)
784	95.9	no close relatives				
785	97.7	1804	2	99	99%(121/122)	100%(3/3)
		2414	7	17	99%(265/269)	100%(4/4)
		355	9	2	98%(388/395)	83%(5/6)
		524	3	1	98%(388/395)	83%(5/6)
		1443	8	3	98%(388/395)	100%(5/5)
786	97.0	711	5	109	99%(219/221)	100%(2/2)
		766	4	162	99%(143/145)	100%(2/2)
		1143	3	21	99%(194/197)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		748	6	64	98%(178/181)	100%(2/2)
		2649	8	93	98%(143/146)	100%(2/2)
		2908	6	47	98%(88/90)	100%(3/3)
		1193	9	1	98%(386/395)	86%(6/7)
		2514	8	3	98%(385/395)	86%(6/7)
		2709	8	2	98%(385/395)	100%(7/7)
787	96.7	268	2	1	100%(393/395)	92%(11/12)
		771	2	82	100%(207/208)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		2193	2	3	99%(391/395)	100%(10/10)
		041	4	3	99%(390/395)	100%(10/10)
		1026	5	2	99%(390/395)	100%(10/10)
		270	3	1	99%(389/395)	100%(11/11)
		2280	4	3	99%(389/395)	100%(9/9)
		2685	5	7	98%(388/395)	100%(8/8)
		1377	4	1	97%(379/391)	100%(8/8)
788	92.1	826	5	1	98%(386/394)	96%(24/25)
		543	5	1	98%(385/394)	96%(23/24)

Ms	MT	OMs	C	N	Overall	non-MT
		828	5	1	98%(384/394)	96%(23/24)
		346	5	1	97%(382/393)	96%(21/22)
		69	1	1	97%(381/394)	89%(25/28)
		124	1	1	97%(381/394)	96%(24/25)
		13	4	1	96%(379/394)	96%(24/25)
		1689	5	1	94%(372/394)	85%(17/20)
		213	9	1	93%(365/394)	71%(15/21)
789	99.5	Kr				
790	97.0	1436	1	2	99%(391/395)	100%(9/9)
		1217	2	2	99%(389/395)	100%(9/9)
		1387s	10	5	98%(386/394)	100%(7/7)
		1004	2	1	98%(385/395)	100%(7/7)
791	97.7	274	9	39	99%(244/247)	100%(1/1)
		1143	3	21	99%(192/195)	100%(1/1)
		2894	8	3	98%(382/389)	100%(5/5)
		904	7	25	98%(192/196)	100%(1/1)
		2679s	8	83	98%(96/98)	100%(1/1)
792	92.8	892	6	1	94%(105/112)	67%(4/6)
		2643	1	1	93%(335/359)	77%(13/17)
793	98.2	no close relatives				
794	97.7	1209	3	1	99%(389/395)	83%(5/6)
		2590	7	1	98%(387/395)	83%(5/6)
795	98.2	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		800	2	6	99%(180/181)	100%(1/1)
		573	2	121	99%(147/148)	100%(2/2)
		274	4	20	99%(247/249)	100%(2/2)
		2782	2	100	99%(127/128)	100%(1/1)
		2725	7	33	99%(198/200)	100%(1/1)
		140	7	9	99%(390/395)	100%(4/4)
		144s	4	6	99%(390/395)	100%(4/4)
		2779	10	14	99%(268/272)	100%(2/2)
796	97.7	2782	2	100	99%(127/128)	100%(2/2)
		2679s	2	92	99%(98/99)	100%(2/2)
		2725	7	33	99%(198/200)	100%(2/2)
		2908	2	37	99%(89/90)	100%(2/2)
		013	9	33	98%(233/237)	100%(3/3)
		283	2	5	98%(158/161)	100%(2/2)
		289	8	2	98%(386/394)	100%(6/6)
		1012	8	8	98%(386/394)	100%(5/5)
		2497	8	4	98%(386/394)	100%(5/5)
		2649	8	93	98%(142/145)	100%(2/2)
797	99.2	Kr				
798	93.0	904	9	1	98%(47/48)	100%(1/1)
		037	1	1	97%(55/57)	67%(2/3)
799	95.4	731s	1	10	98%(44/45)	100%(1/1)
800	98.9	989	1	1	100%(181/181)	100%(2/2)
		2414	1	2	100%(55/55)	100%(1/1)
		63	2	1	99%(180/181)	100%(2/2)
		178	2	1	99%(180/181)	100%(2/2)



Ms	MT	OMs	C	N	Overall	non-MT
		391	2	1	99%(180/181)	100%(2/2)
		795	2	1	99%(180/181)	100%(1/1)
		997	2	1	99%(180/181)	100%(2/2)
		2754	1	1	99%(180/181)	100%(1/1)
801	98.0	1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2717	4	13	99%(227/230)	100%(2/2)
		2649	5	93	99%(144/146)	100%(2/2)
		761	6	2	99%(389/395)	100%(6/6)
		1454	10	6	99%(389/395)	100%(5/5)
		60	12	7	98%(388/395)	100%(5/5)
		1084	5	1	98%(388/395)	80%(4/5)
		1495	13	5	98%(388/395)	100%(5/5)
		1685	8	1	98%(388/395)	83%(5/6)
806	99.0	769	2	68	100%(394/395)	100%(3/3)
		1389	2	70	100%(394/395)	100%(3/3)
		1445	2	68	100%(394/395)	100%(3/3)
		1477	2	70	100%(394/395)	100%(3/3)
		1497	2	70	100%(394/395)	100%(3/3)
		2255	2	68	100%(394/395)	100%(3/3)
		246	2	83	100%(197/198)	100%(2/2)
		387	2	5	100%(393/395)	100%(3/3)
		771	2	82	100%(207/208)	100%(1/1)
		953	2	4	100%(393/395)	100%(3/3)
		1178	2	1	100%(393/395)	75%(3/4)
		1633	2	77	100%(202/203)	100%(2/2)
		2109	2	4	100%(393/395)	100%(3/3)
		986	2	8	99%(392/395)	100%(3/3)
		1031	3	8	99%(392/395)	100%(3/3)
		1406	1	1	99%(392/395)	75%(3/4)
		1552	3	3	99%(392/395)	100%(3/3)
		1652	2	1	99%(392/395)	67%(2/3)
807	95.2	377	1	1	97%(383/394)	94%(15/16)
808	97.7	771	2	82	100%(207/208)	100%(2/2)
		2860	6	8	99%(390/395)	100%(6/6)
		135	8	7	99%(389/395)	100%(6/6)
		561	4	4	99%(389/395)	100%(5/5)
		1143	3	21	99%(194/197)	100%(1/1)
		1218	4	10	99%(389/395)	100%(5/5)
		1804	7	160	98%(120/122)	100%(2/2)
		1266	11	6	98%(388/395)	100%(5/5)
		1345	6	1	98%(388/395)	100%(5/5)
		2494	5	1	98%(388/395)	100%(5/5)
809	96.2	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		2649	5	93	99%(144/146)	100%(3/3)
		527	18	2	97%(384/395)	100%(8/8)
		264	2	1	97%(381/395)	100%(8/8)
811	97.7	1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		1436	2	1	99%(390/395)	100%(7/7)
		2649	5	93	99%(144/146)	100%(2/2)
		904	5	1	99%(195/198)	67%(2/3)
		1315	3	2	99%(389/395)	100%(6/6)
		379	6	1	98%(388/395)	100%(6/6)
		1217	4	1	98%(388/395)	100%(7/7)
		2590	5	1	98%(388/395)	100%(6/6)
		283	2	5	98%(159/162)	100%(1/1)
817	95.2	1160	12	1	98%(386/395)	92%(12/13)
		370	8	42	98%(124/127)	100%(5/5)
		315	11	3	98%(385/395)	100%(13/13)
		856	14	1	97%(382/395)	100%(11/11)
		741	10	1	96%(379/393)	93%(13/14)
		1043	14	1	96%(380/395)	100%(10/10)
		886	10	1	96%(378/394)	91%(10/11)
		744	6	1	96%(378/395)	93%(14/15)
		1262	11	1	96%(378/395)	100%(10/10)
		1534	12	1	95%(377/395)	92%(11/12)
818	95.7	742	9	1	98%(387/394)	92%(11/12)
		2735	10	3	98%(386/395)	100%(12/12)
		1336	6	2	98%(320/328)	100%(12/12)
		315	11	3	98%(385/395)	100%(12/12)
		392	10	7	97%(383/395)	100%(9/9)
		857	11	1	97%(382/395)	100%(12/12)
		886	7	1	97%(381/394)	100%(11/11)
		1534	8	2	97%(381/395)	92%(12/13)
		428	9	1	96%(380/394)	91%(10/11)
		741	13	1	96%(378/393)	100%(12/12)
819	96.7	370	2	8	99%(126/127)	100%(4/4)
		742	4	3	99%(390/394)	92%(11/12)
		2735	3	1	99%(391/395)	92%(12/13)
		888	1	4	99%(248/251)	100%(2/2)
		854	6	1	99%(390/395)	91%(10/11)
		1613	5	1	99%(390/395)	91%(10/11)
		2490	4	1	98%(387/395)	80%(8/10)
		818	3	1	98%(386/395)	91%(10/11)
		303	3	2	97%(375/385)	89%(8/9)
		886	3	3	97%(383/394)	100%(10/10)
820	97.2	883	1	1	99%(387/393)	90%(9/10)
		736	6	1	98%(381/388)	86%(6/7)
		1252	10	1	98%(386/393)	89%(8/9)
		862	11	6	98%(385/393)	100%(6/6)
		2573	5	7	98%(385/393)	100%(6/6)
		684	13	1	98%(384/393)	89%(8/9)
		2452	2	1	98%(339/347)	90%(9/10)
		834	13	1	98%(383/393)	89%(8/9)
		1004	3	1	98%(383/393)	86%(6/7)
		1536	12	1	98%(383/393)	89%(8/9)
821	96.2	0141	1	1	100%(394/395)	93%(14/15)
		1370	2	1	99%(389/395)	82%(9/11)

Ms	MT	OMs	C	N	Overall	non-MT
823	98.5	111	1	2	100%(395/395)	100%(6/6)
		416	1	226	100%(76/76)	100%(1/1)
		906	2	2	100%(393/395)	100%(6/6)
		2182	2	3	99%(391/394)	100%(3/3)
		1563	2	2	99%(391/395)	100%(5/5)
		274	9	39	99%(246/249)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1491	5	4	99%(390/395)	100%(4/4)
824	99.5	Kr				
825	97.7	189	2	1	99%(391/395)	100%(6/6)
		1236	2	1	99%(389/395)	100%(6/6)
		676	1	1	98%(388/395)	100%(6/6)
826	93.4	543	1	1	100%(393/395)	96%(24/25)
		828	1	1	100%(393/395)	100%(25/25)
		346	1	1	99%(391/394)	100%(23/23)
		13	1	2	98%(388/395)	100%(26/26)
		788	1	1	98%(386/394)	96%(24/25)
		69	3	2	96%(378/395)	91%(21/23)
		124	2	2	96%(378/395)	100%(20/20)
		1689	2	1	95%(377/395)	90%(17/19)
827	96.2	no close relatives				
828	93.4	826	1	1	100%(393/395)	100%(25/25)
		543	2	1	99%(391/395)	96%(23/24)
		346	2	1	99%(389/394)	100%(22/22)
		13	1	2	98%(388/395)	100%(26/26)
		788	3	1	98%(384/394)	96%(23/24)
		69	3	2	96%(378/395)	91%(21/23)
		124	2	2	96%(378/395)	100%(20/20)
		1689	1	1	96%(378/395)	85%(17/20)
829	94.9	370	16	5	97%(123/127)	75%(3/4)
		892	3	1	96%(109/114)	100%(5/5)
830	98.4	1483	3	2	99%(375/378)	100%(4/4)
		864	3	1	99%(373/378)	100%(3/3)
		2278	2	1	99%(373/378)	100%(4/4)
		657	2	1	99%(273/277)	100%(2/2)
		766	4	162	99%(143/145)	100%(1/1)
		2467	7	2	99%(261/265)	100%(1/1)
831	98.0	2307	2	72	100%(194/195)	100%(2/2)
		2907	8	39	99%(294/298)	100%(3/3)
833	92.7	744	1	1	98%(388/395)	96%(24/25)
		370	8	42	98%(124/127)	100%(5/5)
		1506	8	1	94%(368/391)	88%(14/16)
834	95.9	684	2	1	99%(392/395)	100%(14/14)
		1252	2	1	99%(392/395)	100%(13/13)
		727	4	1	99%(389/394)	100%(12/12)
		729	2	2	99%(369/374)	100%(14/14)
		1261	2	1	99%(385/390)	100%(14/14)
		736	4	4	98%(383/390)	100%(9/9)
		1182	2	3	98%(216/220)	100%(8/8)

Ms	MT	OMs	C	N	Overall	non-MT
		1536	4	1	98%(388/395)	92%(12/13)
		2185	1	3	98%(374/381)	92%(11/12)
		2214	1	1	98%(387/395)	92%(11/12)
835	96.5	727	1	1	100%(392/394)	92%(12/13)
		749	2	1	99%(391/394)	86%(12/14)
		684	4	1	99%(391/395)	92%(12/13)
		1252	4	1	99%(391/395)	92%(11/12)
		1533	1	1	99%(391/395)	100%(13/13)
		834	3	1	99%(390/395)	92%(12/13)
		736	3	1	99%(384/390)	89%(8/9)
		1536	3	1	99%(389/395)	85%(11/13)
		2214	2	1	98%(387/395)	91%(10/11)
		993	4	3	98%(383/392)	100%(8/8)
836	98.4	649	1	1	100%(50/50)	100%(1/1)
		179	4	1	99%(173/174)	100%(2/2)
		335	2	1	99%(165/166)	100%(2/2)
		730	4	1	99%(313/315)	100%(2/2)
		771	3	1	99%(145/146)	100%(1/1)
		708	2	1	99%(317/320)	100%(3/3)
		1043	2	1	99%(317/320)	100%(5/5)
		1078	3	1	99%(317/320)	100%(3/3)
		856	3	1	99%(316/320)	100%(5/5)
		2398	3	1	99%(206/209)	100%(1/1)
839	97.7	470	3	3	100%(393/395)	100%(8/8)
		490	3	3	100%(393/395)	100%(8/8)
		771	2	82	100%(207/208)	100%(1/1)
		1486	3	3	100%(393/395)	100%(8/8)
		926	5	20	99%(294/296)	100%(3/3)
		980	3	3	99%(392/395)	100%(7/7)
		711	5	109	99%(219/221)	100%(1/1)
		443	2	4	99%(390/395)	100%(8/8)
		766	4	162	99%(143/145)	100%(1/1)
		159	2	4	99%(388/394)	100%(8/8)
841	92.6	2188	1	1	96%(291/303)	86%(12/14)
843	99.2	416	1	226	100%(76/76)	100%(1/1)
		1473	1	4	100%(395/395)	100%(3/3)
		2316	1	89	100%(130/130)	100%(1/1)
		2604	1	4	100%(395/395)	100%(3/3)
		896	2	3	100%(394/395)	100%(3/3)
		1167	2	3	100%(394/395)	100%(3/3)
		143	3	8	100%(393/395)	100%(2/2)
		496	1	3	100%(389/391)	100%(2/2)
		951	1	3	100%(393/395)	100%(2/2)
		1570	2	3	100%(393/395)	100%(3/3)
		573	2	121	99%(147/148)	100%(1/1)
844	98.2	416	1	226	100%(76/76)	100%(1/1)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		2634	2	234	99%(82/83)	100%(1/1)
		190	9	2	99%(390/395)	60%(3/5)
		2649	5	93	99%(144/146)	100%(2/2)
		533	12	2	99%(389/395)	60%(3/5)
		1143	3	21	99%(194/197)	100%(1/1)
845	99.2	Kr				
851	97.4	1598	5	8	99%(388/392)	100%(6/6)
		2500	6	5	99%(388/392)	100%(7/7)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		2649	5	93	99%(144/146)	100%(3/3)
		1077	8	10	99%(384/390)	100%(6/6)
		1597	6	5	99%(386/392)	100%(6/6)
		2592	9	8	99%(385/391)	100%(6/6)
		1395	9	6	98%(385/392)	100%(7/7)
		52	9	3	98%(380/389)	100%(7/7)
852	98.0	414	3	1	100%(393/395)	100%(6/6)
		1466	3	1	100%(393/395)	100%(6/6)
		410	3	1	99%(391/394)	100%(5/5)
		1472	3	8	99%(392/395)	100%(5/5)
		195	4	6	99%(391/395)	100%(5/5)
		210	4	3	99%(391/395)	100%(5/5)
		1096	1	3	99%(386/390)	100%(7/7)
		2856	4	5	99%(391/395)	100%(5/5)
		137	5	1	99%(389/395)	100%(6/6)
		1465	4	1	99%(389/395)	100%(6/6)
854	96.7	1613	1	1	100%(393/395)	100%(12/12)
		2735	1	3	99%(392/395)	100%(13/13)
		1160	2	2	99%(391/395)	100%(12/12)
		2679s	2	92	99%(98/99)	100%(2/2)
		734	1	3	99%(388/394)	100%(10/10)
		858	2	1	99%(389/395)	91%(10/11)
		1302	2	2	99%(389/395)	100%(10/10)
		306	2	1	98%(388/395)	90%(9/10)
		993	1	3	98%(385/392)	100%(9/9)
		2490	2	1	98%(388/395)	90%(9/10)
		303	1	1	98%(376/385)	100%(9/9)
		428	2	1	98%(384/394)	100%(11/11)
		523	2	2	97%(383/394)	100%(9/9)
		886	3	3	97%(383/394)	100%(10/10)
855	96.2	742	5	1	99%(389/394)	85%(11/13)
		1160	5	1	99%(390/395)	92%(12/13)
		2470	2	1	99%(351/356)	86%(12/14)
		315	5	1	99%(389/395)	86%(12/14)
		2735	5	1	99%(389/395)	92%(12/13)
		1302	4	1	98%(388/395)	91%(10/11)
		741	1	1	98%(385/393)	93%(14/15)
		886	4	1	97%(383/394)	83%(10/12)
		523	4	1	97%(382/394)	90%(9/10)
		874	4	1	97%(381/395)	78%(7/9)

Ms	MT	OMs	C	N	Overall	non-MT
856	95.9	370	1	6	100%(127/127)	100%(5/5)
		1043	3	1	99%(391/395)	100%(14/14)
		1262	2	1	99%(391/395)	100%(15/15)
		836	7	5	99%(316/320)	100%(5/5)
		881	3	1	99%(388/394)	100%(12/12)
		889	3	1	98%(388/395)	93%(14/15)
		315	9	2	98%(386/395)	100%(12/12)
		303	7	3	97%(373/385)	100%(9/9)
		817	11	1	97%(382/395)	100%(11/11)
		772	4	2	97%(328/340)	93%(13/14)
857	94.9	1534	1	1	99%(391/395)	100%(19/19)
		723	1	2	99%(390/395)	100%(16/16)
		2470	5	1	98%(350/356)	93%(14/15)
		370	8	42	98%(124/127)	100%(3/3)
		1336	9	1	97%(319/328)	92%(12/13)
		818	9	2	97%(382/395)	100%(12/12)
		1021	1	1	97%(376/389)	73%(11/15)
		741	12	1	96%(379/393)	87%(13/15)
		428	13	1	96%(379/394)	85%(11/13)
		744	9	1	95%(377/395)	81%(13/16)
858	96.5	2725	7	33	99%(198/200)	100%(3/3)
		370	4	18	98%(125/127)	100%(3/3)
		734	3	1	98%(387/394)	90%(9/10)
		1265	5	1	98%(388/395)	90%(9/10)
		904	7	25	98%(194/198)	100%(3/3)
		1387	6	1	98%(386/395)	100%(9/9)
		755	5	1	97%(384/395)	88%(7/8)
		303	6	2	97%(374/385)	89%(8/9)
		428	5	2	97%(382/394)	91%(10/11)
		180	5	1	97%(382/395)	88%(7/8)
861	95.2	no close relatives				
862	97.7	1707	1	1	100%(394/395)	100%(9/9)
		2573	1	1	100%(393/395)	100%(8/8)
		888	1	4	99%(248/251)	100%(2/2)
		1265	2	1	99%(390/395)	100%(8/8)
		392	3	1	99%(389/395)	100%(8/8)
		734	1	3	99%(388/394)	100%(8/8)
		1302	2	2	99%(389/395)	100%(8/8)
		1684	4	6	99%(389/395)	100%(6/6)
		370	4	18	98%(125/127)	100%(3/3)
		1653	2	2	98%(388/395)	100%(5/5)
863	96.7	878	1	1	99%(90/91)	100%(3/3)
		732	1	1	98%(89/91)	100%(3/3)
864	98.5	771	2	82	100%(207/208)	100%(2/2)
		1483	2	1	100%(393/395)	100%(5/5)
		1804	2	99	99%(121/122)	100%(2/2)
		830	2	2	99%(373/378)	100%(3/3)
865	90.6	033	1	1	100%(393/395)	100%(35/35)
		213	3	1	96%(380/395)	93%(27/29)
		1071	5	1	94%(373/395)	91%(19/21)

Ms	MT	OMs	C	N	Overall	non-MT
		1321	8	1	94%(372/395)	95%(20/21)
		33	5	1	94%(366/389)	78%(18/23)
		0109	7	1	94%(91/97)	88%(7/8)
		019	4	1	94%(370/395)	92%(24/26)
		P60	4	1	92%(152/166)	67%(8/12)
		03	6	1	92%(362/395)	74%(20/27)
		2129	6	1	92%(361/394)	71%(17/24)
871	98.2	416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		1566	2	1	100%(394/395)	100%(6/6)
		573	2	121	99%(147/148)	100%(1/1)
		1481	3	1	99%(392/395)	100%(5/5)
		2437	3	1	99%(360/364)	100%(5/5)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1143	3	21	99%(194/197)	100%(1/1)
873	96.5	no close relatives				
874	96.2	734	22	1	97%(383/394)	70%(7/10)
		878	2	1	97%(383/395)	92%(11/12)
		370	15	24	97%(123/127)	100%(4/4)
		855	35	1	97%(381/395)	78%(7/9)
		1263	2	1	96%(378/392)	100%(10/10)
875	98.0	2437	5	1	98%(358/364)	100%(4/4)
877	99.2	416	1	226	100%(75/75)	100%(1/1)
		573	1	23	100%(147/147)	100%(1/1)
		1343	1	54	100%(83/83)	100%(1/1)
		2316	1	89	100%(129/129)	100%(1/1)
		2634	1	57	100%(82/82)	100%(1/1)
		98	2	3	100%(392/393)	100%(2/2)
		439	2	1	100%(392/393)	100%(3/3)
		75	3	3	100%(391/393)	100%(2/2)
		516	3	13	100%(390/392)	100%(2/2)
		1459	3	13	100%(391/393)	100%(2/2)
		1474	2	3	100%(391/393)	100%(2/2)
		1539	2	2	100%(391/393)	100%(2/2)
		2307	2	72	100%(194/195)	100%(1/1)
		2650	1	3	100%(202/203)	100%(1/1)
878	94.9	863	1	1	99%(90/91)	100%(3/3)
		874	2	1	97%(383/395)	92%(11/12)
		1263	1	1	97%(379/392)	100%(13/13)
		168	1	1	96%(368/382)	100%(18/18)
		732	2	1	96%(380/395)	88%(14/16)
880	99.0	120	1	3	100%(390/390)	100%(4/4)
		416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		17	1	2	100%(394/395)	100%(3/3)
		199	4	2	100%(393/395)	67%(2/3)
		2098	4	2	100%(393/395)	67%(2/3)
		573	2	121	99%(147/148)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		179	6	86	99%(247/249)	100%(1/1)
		587	6	2	99%(391/394)	67%(2/3)
		711	5	109	99%(219/221)	100%(1/1)
881	96.2	649	2	2	99%(88/89)	100%(3/3)
		1043	4	1	99%(389/394)	100%(13/13)
		856	4	1	99%(388/394)	100%(12/12)
		370	4	18	98%(125/127)	100%(5/5)
		1262	5	1	98%(386/394)	100%(12/12)
		755	2	1	98%(384/394)	100%(8/8)
		889	5	1	98%(384/394)	100%(12/12)
		306	18	2	97%(383/394)	100%(8/8)
		315	14	4	97%(383/394)	100%(10/10)
		1613	19	8	97%(383/394)	100%(8/8)
883	96.5	820	1	1	99%(387/393)	90%(9/10)
		1252	7	3	98%(388/395)	100%(10/10)
		684	10	2	98%(386/395)	100%(10/10)
		1182	4	3	98%(215/220)	100%(6/6)
		2452	1	1	98%(341/349)	91%(10/11)
		370	8	42	98%(124/127)	100%(3/3)
		834	11	2	98%(385/395)	100%(10/10)
		1261	15	1	97%(379/390)	100%(10/10)
		729	13	1	97%(363/374)	100%(10/10)
		2185	11	1	97%(368/381)	89%(8/9)
884	94.1	138	5	1	97%(377/390)	100%(19/19)
		994	6	1	96%(377/391)	94%(17/18)
		2684	6	2	96%(375/391)	100%(15/15)
		2575	8	1	95%(360/378)	94%(15/16)
		357	8	1	95%(372/391)	94%(17/18)
		209	14	1	94%(369/391)	100%(15/15)
		2702	6	2	94%(369/391)	86%(12/14)
		565	13	1	94%(367/389)	89%(16/18)
		087	3	6	94%(49/52)	100%(3/3)
886	95.2	1160	11	3	98%(385/394)	100%(12/12)
		2735	13	3	98%(384/394)	100%(12/12)
		2490	15	1	97%(382/394)	90%(9/10)
		818	9	2	97%(381/394)	100%(11/11)
		1336	16	2	96%(315/327)	100%(11/11)
		741	15	1	96%(375/392)	92%(11/12)
		857	17	1	96%(377/394)	91%(10/11)
		2188	2	1	96%(289/302)	70%(7/10)
		2206	5	1	96%(375/392)	86%(12/14)
		428	17	1	95%(375/393)	90%(9/10)
887	98.2	139	1	1	100%(394/395)	100%(6/6)
		2307	2	72	100%(194/195)	100%(1/1)
		210	2	3	99%(392/395)	100%(5/5)
		370	2	8	99%(126/127)	100%(4/4)
		195	5	2	99%(391/395)	80%(4/5)
		2567	2	10	99%(208/210)	100%(2/2)
		72	9	4	99%(390/395)	80%(4/5)
		1585	3	1	99%(390/395)	100%(4/4)



Ms	MT	OMs	C	N	Overall	non-MT
		1118	2	4	99%(389/395)	100%(4/4)
		2732	14	10	99%(389/395)	100%(4/4)
888	98.4	409	3	1	99%(248/251)	100%(1/1)
		819	4	1	99%(248/251)	100%(2/2)
		862	4	1	99%(248/251)	100%(2/2)
		2573	3	1	99%(248/251)	100%(2/2)
889	94.9	370	1	6	100%(127/127)	100%(5/5)
		856	5	1	98%(388/395)	93%(14/15)
		1262	4	1	98%(388/395)	94%(15/16)
		1043	6	1	98%(387/395)	100%(14/14)
		881	6	2	98%(384/394)	100%(12/12)
		755	4	1	97%(384/395)	91%(10/11)
		315	19	2	97%(383/395)	92%(12/13)
		772	3	1	97%(328/340)	94%(15/16)
		1336	21	1	96%(314/328)	92%(11/12)
		857	19	1	95%(376/395)	75%(9/12)
890	99.2	Kr				
891	94.9	no close relatives				
892	92.1	152	4	1	98%(112/114)	88%(7/8)
		555	5	1	97%(111/114)	88%(7/8)
		829	2	1	96%(109/114)	100%(5/5)
		2192	2	1	96%(106/111)	100%(4/4)
		744	13	1	94%(107/114)	100%(4/4)
		792	1	1	94%(105/112)	67%(4/6)
		087	5	1	93%(38/41)	100%(2/2)
892s	96.5	152	5	1	98%(251/256)	100%(4/4)
		513	3	1	98%(250/256)	100%(5/5)
		555	3	1	98%(250/256)	100%(4/4)
		977	5	1	97%(248/256)	80%(4/5)
895	96.7	10	4	1	98%(387/395)	100%(7/7)
		1194	4	1	98%(385/395)	100%(7/7)
896	99.0	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		843	2	2	100%(394/395)	100%(3/3)
		1473	2	2	100%(394/395)	100%(3/3)
		2604	2	2	100%(394/395)	100%(3/3)
		1167	4	1	100%(393/395)	100%(3/3)
		573	2	121	99%(147/148)	100%(1/1)
		496	2	2	99%(388/391)	100%(2/2)
		1570	4	3	99%(392/395)	100%(3/3)
897	99.5	Kr				
899	98.7	1408	2	8	100%(393/395)	100%(3/3)
		1300	3	17	99%(392/395)	100%(3/3)
		930	4	3	99%(331/334)	100%(2/2)
		122	4	19	99%(391/395)	100%(3/3)
		461	5	24	99%(391/395)	100%(3/3)
		682	4	3	99%(389/393)	100%(3/3)
		2908	2	37	99%(89/90)	100%(2/2)
900	98.7	202	1	2	100%(395/395)	100%(5/5)
		2782	1	33	100%(128/128)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		476	1	7	100%(393/395)	100%(3/3)
		1121	2	3	100%(393/395)	100%(4/4)
		380	3	8	99%(392/395)	100%(3/3)
		1300	3	17	99%(392/395)	100%(3/3)
		1792	2	3	99%(392/395)	100%(4/4)
		2525	2	3	99%(392/395)	100%(4/4)
		2224	3	9	99%(391/395)	100%(3/3)
		779	2	79	99%(84/85)	100%(1/1)
901	97.2	2732	7	7	99%(391/395)	100%(7/7)
		153	11	7	99%(390/395)	100%(6/6)
		783	5	1	99%(390/395)	88%(7/8)
		2693s	5	2	99%(371/376)	100%(7/7)
		117	3	3	99%(389/395)	100%(8/8)
		1083	10	15	99%(389/395)	100%(7/7)
		1391	12	2	99%(389/395)	86%(6/7)
		2603	11	5	98%(387/395)	100%(7/7)
		2679s	8	83	98%(97/99)	100%(2/2)
		527	13	3	98%(386/395)	100%(7/7)
902	97.4	2562	3	4	99%(381/384)	100%(7/7)
		53	3	2	99%(380/384)	100%(7/7)
		2649	5	93	99%(144/146)	100%(3/3)
		15	13	2	98%(378/384)	100%(6/6)
		1804	7	160	98%(120/122)	100%(2/2)
		2894	6	2	98%(374/380)	100%(5/5)
		1439	10	3	98%(377/384)	100%(6/6)
		904	7	25	98%(194/198)	100%(1/1)
		2535	5	6	98%(192/196)	100%(2/2)
		2679s	8	83	98%(97/99)	100%(1/1)
903	94.8	779	2	79	99%(84/85)	100%(1/1)
		2679s	8	83	98%(97/99)	100%(1/1)
904	97.5	1343	3	3	99%(74/75)	100%(1/1)
		1387	3	1	99%(195/198)	100%(3/3)
		1396	3	2	99%(195/198)	100%(2/2)
		1557	3	2	99%(195/198)	100%(2/2)
		1580	2	2	99%(195/198)	100%(2/2)
		1623	3	1	99%(195/198)	100%(3/3)
		2679	3	1	98%(107/109)	100%(1/1)
		180	2	3	98%(194/198)	100%(2/2)
		473	3	2	98%(194/198)	100%(2/2)
		493	3	1	98%(194/198)	100%(2/2)
		519	2	2	98%(194/198)	100%(3/3)
		998	3	3	98%(194/198)	100%(2/2)
		1556	3	1	98%(194/198)	67%(2/3)
		2374	1	1	98%(194/198)	100%(2/2)
		798	1	1	98%(47/48)	100%(1/1)
905	96.5	766	4	162	99%(143/145)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		1422	3	1	98%(388/395)	100%(10/10)
		2649	8	93	98%(143/146)	100%(2/2)
906	98.0	416	1	226	100%(76/76)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		111	2	1	100%(393/395)	100%(6/6)
		823	2	1	100%(393/395)	100%(6/6)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1491	5	4	99%(390/395)	100%(5/5)
		1563	3	1	99%(389/395)	100%(5/5)
		160	10	2	98%(388/395)	80%(4/5)
		1505	3	1	98%(388/395)	80%(4/5)
923	99.2	no close relatives				
924	98.5	246	2	83	100%(197/198)	100%(2/2)
		1633	2	77	100%(202/203)	100%(2/2)
		1278	1	1	99%(390/395)	100%(4/4)
925	98.5	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		140	2	4	100%(393/395)	100%(5/5)
		246	2	83	100%(197/198)	100%(1/1)
		2307	2	72	100%(194/195)	100%(2/2)
		2725	2	12	100%(199/200)	100%(2/2)
		2773	3	6	100%(393/395)	100%(4/4)
		573	2	121	99%(147/148)	100%(2/2)
		2649	2	17	99%(145/146)	100%(3/3)
		762	1	1	99%(391/395)	100%(5/5)
		1557	1	2	99%(391/395)	100%(5/5)
926	99.0	2782	1	33	100%(55/55)	100%(1/1)
		380	1	1	100%(295/296)	100%(2/2)
		719	2	1	100%(291/292)	100%(2/2)
		939	1	1	100%(295/296)	100%(2/2)
		1300	1	2	100%(295/296)	100%(2/2)
		771	2	82	100%(207/208)	100%(1/1)
		2779	2	1	99%(172/173)	100%(2/2)
		105	3	1	99%(294/296)	100%(1/1)
		239	3	1	99%(294/296)	100%(2/2)
		261	2	1	99%(294/296)	100%(2/2)
		431	2	1	99%(293/295)	100%(1/1)
		839	2	1	99%(294/296)	100%(3/3)
		946	2	1	99%(294/296)	100%(2/2)
		1076	3	1	99%(294/296)	100%(2/2)
		1178	3	1	99%(294/296)	100%(2/2)
		1292	3	1	99%(294/296)	100%(1/1)
		1783	2	1	99%(294/296)	100%(2/2)
		2321	2	1	99%(294/296)	100%(3/3)
927	98.2	416	1	226	100%(76/76)	100%(1/1)
		347	2	1	100%(394/395)	100%(6/6)
		2725	2	12	100%(199/200)	100%(2/2)
		766	2	54	99%(144/145)	100%(3/3)
		107	4	2	99%(392/395)	100%(6/6)
		140	4	3	99%(392/395)	100%(5/5)
		2908	2	37	99%(89/90)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		778	4	10	99%(387/393)	100%(4/4)
928	99.5	Kr				
929	97.2	1038	1	1	98%(387/395)	78%(7/9)
930	98.8	2679s	1	22	100%(38/38)	100%(1/1)
		2287	3	1	100%(199/200)	100%(1/1)
		1408	3	1	99%(332/334)	100%(2/2)
		122	3	1	99%(331/334)	67%(2/3)
		230	7	1	99%(331/334)	67%(2/3)
		298	2	1	99%(331/334)	67%(2/3)
		719	6	2	99%(327/330)	100%(2/2)
		899	3	1	99%(331/334)	100%(2/2)
		1300	4	2	99%(331/334)	100%(2/2)
		274	7	1	99%(186/188)	100%(1/1)
931	97.7	779	2	79	99%(84/85)	100%(1/1)
		2535	3	3	99%(193/196)	100%(3/3)
		2679s	8	83	98%(97/99)	100%(1/1)
		649	5	24	98%(87/89)	100%(1/1)
932	99.2	Kr				
933	98.2	416	1	226	100%(76/76)	100%(1/1)
		1804	2	99	99%(121/122)	100%(3/3)
		232	5	11	99%(390/394)	100%(4/4)
		2381	6	5	99%(390/394)	100%(4/4)
		475	9	21	99%(348/352)	100%(4/4)
		1672	9	16	99%(389/394)	100%(4/4)
		135	8	7	99%(388/394)	100%(5/5)
		353	8	25	99%(388/394)	100%(4/4)
		777	9	16	99%(388/394)	100%(4/4)
		1073	10	25	99%(388/394)	100%(4/4)
934	97.2	416	1	226	100%(76/76)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		218	10	3	99%(389/395)	100%(7/7)
		2868	6	7	98%(388/395)	100%(6/6)
		187	5	1	98%(387/395)	100%(7/7)
		1127	21	12	98%(387/395)	100%(6/6)
		551	20	4	98%(386/395)	100%(6/6)
		2238	7	2	98%(379/388)	100%(6/6)
		2526	7	4	98%(275/282)	100%(4/4)
		2660	4	1	98%(385/395)	100%(8/8)
935	98.2	1804	7	160	98%(120/122)	100%(1/1)
937	98.0	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		2679s	2	92	99%(98/99)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(1/1)
		1804	7	160	98%(120/122)	100%(1/1)
938	99.2	Kr				
939	98.5	926	2	4	100%(295/296)	100%(2/2)
		771	2	82	100%(207/208)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		179	6	86	99%(247/249)	100%(1/1)
		711	5	109	99%(219/221)	100%(1/1)
		2414	4	16	99%(266/269)	100%(2/2)
		600	3	3	99%(381/386)	100%(4/4)
		766	4	162	99%(143/145)	100%(1/1)
940	99.2	Kr				
941	98.7	200	2	1	100%(393/395)	100%(5/5)
		1207	2	3	100%(367/369)	100%(4/4)
		944	2	3	99%(392/395)	100%(4/4)
		1444	3	3	99%(391/395)	100%(4/4)
942	99.0	2782	1	33	100%(128/128)	100%(2/2)
		219	2	1	100%(394/395)	100%(4/4)
		358	3	6	99%(392/395)	100%(4/4)
		360	3	5	99%(392/395)	100%(4/4)
		1078	2	10	99%(392/395)	100%(3/3)
		1155	4	11	99%(392/395)	100%(3/3)
		2200	4	5	99%(392/395)	100%(3/3)
		2217	4	3	99%(392/395)	100%(4/4)
943	99.5	no close relatives				
944	98.5	1207	1	2	100%(368/369)	100%(4/4)
		1444	1	1	100%(394/395)	100%(6/6)
		200	3	1	99%(392/395)	100%(5/5)
		941	2	1	99%(392/395)	100%(4/4)
		1324	2	1	99%(392/395)	100%(5/5)
		11	3	1	99%(390/395)	100%(5/5)
945	98.5	2722	1	1	99%(281/284)	100%(3/3)
		766	4	162	99%(143/145)	100%(1/1)
946	98.7	771	2	82	100%(207/208)	100%(1/1)
		926	5	20	99%(294/296)	100%(2/2)
		179	6	86	99%(247/249)	100%(1/1)
		244	5	1	99%(392/395)	75%(3/4)
		1141	3	4	99%(392/395)	100%(3/3)
		711	5	109	99%(219/221)	100%(1/1)
		759	1	1	99%(391/395)	100%(4/4)
		1472	5	6	99%(391/395)	100%(3/3)
		2301	7	3	99%(391/395)	75%(3/4)
		836	7	5	99%(316/320)	100%(3/3)
947	100.0	no close relatives				
948	98.2	no close relatives				
949	96.6	2679s	4	2	99%(86/87)	100%(3/3)
		1387	9	1	98%(373/382)	89%(8/9)
		1387s	14	1	98%(372/381)	86%(6/7)
		1613	18	1	97%(372/382)	100%(8/8)
		315	17	2	97%(371/382)	100%(9/9)
		1217	11	1	97%(371/382)	86%(6/7)
		1265	16	1	97%(371/382)	100%(7/7)
		723	18	2	97%(370/382)	100%(9/9)
		727	23	1	97%(369/381)	100%(7/7)
		1302	23	1	97%(370/382)	100%(7/7)
951	99.2	843	3	4	100%(393/395)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		1473	3	4	100%(393/395)	100%(2/2)
		2604	3	4	100%(393/395)	100%(2/2)
952	98.5	573	1	23	100%(148/148)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)
		2307	1	35	100%(195/195)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		274	2	1	100%(248/249)	100%(3/3)
		1485	4	2	99%(392/395)	100%(5/5)
		2502	5	2	99%(391/395)	75%(3/4)
		1125	5	1	99%(390/395)	100%(5/5)
		1647	3	1	99%(390/395)	100%(4/4)
		2649	5	93	99%(144/146)	100%(2/2)
953	99.0	1389	2	70	100%(394/395)	100%(3/3)
		1477	2	70	100%(394/395)	100%(3/3)
		1497	2	70	100%(394/395)	100%(3/3)
		246	2	83	100%(197/198)	100%(2/2)
		387	2	5	100%(393/395)	100%(3/3)
		575	4	1	100%(393/395)	67%(2/3)
		806	2	6	100%(393/395)	100%(3/3)
		1117	4	1	100%(393/395)	67%(2/3)
		1633	2	77	100%(202/203)	100%(2/2)
		1552	3	3	99%(392/395)	100%(3/3)
954	97.0	766	4	162	99%(143/145)	100%(2/2)
		1502	2	1	98%(385/395)	100%(7/7)
		1675	3	1	97%(373/383)	88%(7/8)
955	99.5	Kr				
956	98.0	771	1	13	100%(208/208)	100%(2/2)
		1640	1	4	100%(395/395)	100%(8/8)
		2282s	1	4	100%(395/395)	100%(8/8)
		2679s	1	22	100%(99/99)	100%(3/3)
		1622s	2	3	100%(394/395)	100%(8/8)
		1629	2	3	100%(394/395)	100%(8/8)
		963	1	4	100%(393/395)	100%(8/8)
		1054s	2	3	100%(393/395)	100%(8/8)
		1086	2	3	100%(393/395)	100%(8/8)
		2136	2	3	100%(393/395)	100%(6/6)
		2137	2	3	100%(393/395)	100%(6/6)
		289	2	3	99%(392/395)	100%(8/8)
		1804	2	99	99%(121/122)	100%(2/2)
		2637	3	12	99%(392/395)	100%(6/6)
		2737	1	3	99%(392/395)	100%(8/8)
		1387s	3	3	99%(390/394)	100%(7/7)
		2107	2	3	99%(391/395)	100%(6/6)
		2758s	2	3	99%(391/395)	100%(8/8)
		1017	1	3	99%(390/395)	88%(7/8)
		2497	3	3	99%(390/395)	100%(6/6)
		1064	2	3	99%(389/395)	100%(6/6)
		1644	3	3	99%(389/395)	100%(8/8)
957	98.7	771	2	82	100%(207/208)	100%(1/1)
		711	5	109	99%(219/221)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		979	2	5	99%(390/394)	100%(3/3)
		1615	4	2	99%(390/394)	100%(4/4)
958	99.5	Kr				
959	98.7	83	3	68	100%(393/395)	100%(3/3)
		246	2	83	100%(197/198)	100%(2/2)
		1023	3	67	100%(392/394)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		1698	3	68	100%(393/395)	100%(3/3)
		1705	3	68	100%(393/395)	100%(3/3)
		2364s	3	68	100%(393/395)	100%(3/3)
		2177	1	22	99%(158/159)	100%(1/1)
		1119	4	32	99%(276/278)	100%(2/2)
		1560	4	29	99%(305/307)	100%(2/2)
960	99.2	Kr				
961	99.2	Kr				
962	99.2	Kr				
963	97.5	771	2	82	100%(207/208)	100%(2/2)
		956	3	5	100%(393/395)	100%(8/8)
		1640	3	5	100%(393/395)	100%(8/8)
		2282s	3	5	100%(393/395)	100%(8/8)
		1622s	4	6	99%(392/395)	100%(8/8)
		1629	4	6	99%(392/395)	100%(8/8)
		2679s	2	92	99%(98/99)	100%(3/3)
		2737	3	5	99%(390/395)	100%(8/8)
		1017	3	1	99%(389/395)	78%(7/9)
		164	2	2	98%(387/395)	100%(6/6)
965	97.0	416	1	226	100%(76/76)	100%(1/1)
		1804	1	15	100%(122/122)	100%(3/3)
		771	2	82	100%(207/208)	100%(2/2)
		179	6	86	99%(247/249)	100%(3/3)
		711	5	109	99%(219/221)	100%(2/2)
		1094	7	2	99%(390/395)	100%(9/9)
		766	4	162	99%(143/145)	100%(2/2)
		2760	7	1	99%(388/394)	100%(9/9)
		748	6	64	98%(178/181)	100%(2/2)
		1007	7	1	98%(387/395)	100%(9/9)
968	95.2	1451	3	1	96%(380/394)	67%(8/12)
		1289	2	1	96%(379/394)	91%(10/11)
		2528	3	1	96%(379/394)	69%(11/16)
969	97.5	38	1	1	99%(390/394)	100%(8/8)
		1148	2	1	98%(385/393)	78%(7/9)
971	98.2	778	1	4	99%(389/393)	100%(5/5)
		766	4	162	99%(143/145)	100%(1/1)
		1804	7	160	98%(120/122)	100%(1/1)
972	99.0	711	6	1	99%(219/221)	67%(2/3)
973	97.7	711	5	109	99%(219/221)	100%(2/2)
		49	6	4	99%(390/394)	100%(6/6)
		766	4	162	99%(143/145)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		748	6	64	98%(178/181)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		107	9	5	98%(387/394)	100%(5/5)
		2387	3	4	98%(387/394)	100%(6/6)
		786	8	3	98%(386/394)	86%(6/7)
		1788	6	1	98%(382/390)	83%(5/6)
		2649	8	93	98%(143/146)	100%(2/2)
974	94.6	1006	1	1	100%(386/388)	95%(19/20)
		352	7	1	98%(378/387)	87%(13/15)
		375	7	1	98%(377/386)	93%(13/14)
		2728	8	1	97%(377/388)	81%(13/16)
		713	2	1	96%(374/388)	85%(11/13)
		299	7	1	96%(373/388)	77%(10/13)
		475s	6	9	96%(42/44)	67%(2/3)
		780	8	1	95%(364/383)	69%(9/13)
		48	2	1	95%(368/388)	69%(9/13)
		1321	5	1	95%(368/388)	65%(11/17)
975	99.2	1092	1	104	100%(252/252)	100%(1/1)
		1400	1	119	100%(211/211)	100%(1/1)
		179	2	23	100%(248/249)	100%(2/2)
		769	3	76	100%(393/395)	100%(2/2)
		771	2	82	100%(207/208)	100%(1/1)
		932	3	69	100%(393/395)	100%(2/2)
		961	3	69	100%(393/395)	100%(2/2)
		986	1	13	100%(393/395)	100%(3/3)
		1445	3	76	100%(393/395)	100%(2/2)
		1596	3	69	100%(393/395)	100%(2/2)
		1620	3	69	100%(393/395)	100%(2/2)
		1628	3	69	100%(393/395)	100%(2/2)
		2122	3	69	100%(393/395)	100%(2/2)
		2255	3	76	100%(393/395)	100%(2/2)
976	97.6	2779	9	2	99%(217/220)	100%(2/2)
		2649	10	9	98%(140/143)	67%(2/3)
977	96.5	513	4	1	98%(385/395)	100%(9/9)
		1243	3	1	98%(384/394)	90%(9/10)
		1579	2	2	98%(385/395)	90%(9/10)
		1528	5	2	97%(384/395)	100%(8/8)
		152	10	1	97%(383/395)	88%(7/8)
		892s	3	1	97%(248/256)	80%(4/5)
		16	3	1	97%(382/395)	91%(10/11)
978	99.0	147	4	1	99%(392/395)	100%(3/3)
979	98.7	1615	1	1	100%(392/394)	100%(5/5)
		498	1	2	99%(390/394)	100%(4/4)
		957	3	2	99%(390/394)	100%(3/3)
		1024	2	1	99%(390/394)	100%(5/5)
		1594	7	5	99%(390/394)	100%(3/3)
		1787	7	5	99%(390/394)	100%(3/3)
		2467	3	3	99%(279/282)	100%(3/3)
980	98.0	470	2	1	100%(394/395)	100%(8/8)
		490	2	1	100%(394/395)	100%(8/8)
		1486	2	1	100%(394/395)	100%(8/8)
		771	2	82	100%(207/208)	100%(1/1)



Ms	MT	OMs	C	N	Overall	non-MT
		839	3	1	99%(392/395)	100%(7/7)
		2321	3	2	99%(392/395)	100%(7/7)
		268	4	1	99%(391/395)	100%(8/8)
		443	3	1	99%(389/395)	100%(7/7)
		2685	3	2	99%(389/395)	100%(6/6)
		159	3	1	98%(387/394)	100%(7/7)
982	96.5	no close relatives				
986	98.7	246	2	83	100%(197/198)	100%(2/2)
		769	3	76	100%(393/395)	100%(3/3)
		932	3	69	100%(393/395)	100%(3/3)
		961	3	69	100%(393/395)	100%(3/3)
		975	3	11	100%(393/395)	100%(3/3)
		1018	3	68	100%(393/395)	100%(3/3)
		1445	3	76	100%(393/395)	100%(3/3)
		1596	3	69	100%(393/395)	100%(3/3)
		1620	3	69	100%(393/395)	100%(3/3)
		1628	3	69	100%(393/395)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		2122	3	69	100%(393/395)	100%(3/3)
		2255	3	76	100%(393/395)	100%(3/3)
		1035	2	1	99%(392/395)	100%(4/4)
		1649	2	1	99%(392/395)	100%(4/4)
987s	97.5	1400	1	119	100%(211/211)	100%(1/1)
		1019	4	2	99%(391/395)	100%(7/7)
		2694	2	2	99%(391/395)	100%(8/8)
		121	8	2	98%(388/395)	83%(5/6)
		1643	3	1	98%(388/395)	100%(7/7)
		379	7	4	98%(387/395)	100%(6/6)
		2590	6	4	98%(387/395)	100%(6/6)
		1110	13	2	98%(386/395)	83%(5/6)
		370	11	11	98%(124/127)	67%(2/3)
988	97.2	2679s	2	92	99%(98/99)	100%(2/2)
		1190	5	4	99%(389/395)	100%(7/7)
		2135	7	4	99%(389/395)	100%(7/7)
		2178	12	16	99%(389/395)	100%(6/6)
		1063	10	3	98%(387/395)	100%(6/6)
		1409	3	2	98%(387/395)	100%(8/8)
		2709	5	1	98%(387/395)	88%(7/8)
		2399	10	5	98%(237/242)	100%(4/4)
		1540	8	2	97%(321/330)	100%(6/6)
989	98.0	800	1	2	100%(181/181)	100%(2/2)
		63	1	1	100%(394/395)	100%(8/8)
		391	1	1	100%(393/395)	100%(8/8)
		178	5	3	99%(391/395)	100%(5/5)
		997	4	2	99%(391/395)	100%(6/6)
		1592	3	2	99%(391/395)	100%(6/6)
		2398	2	8	99%(236/239)	100%(3/3)
		1350	5	3	99%(389/395)	80%(4/5)
		2482	1	4	99%(389/395)	100%(6/6)
		186	5	1	98%(388/395)	100%(6/6)

Ms	MT	OMs	C	N	Overall	non-MT
990	97.0	1013	6	1	99%(389/395)	100%(8/8)
		1085	6	1	99%(389/395)	100%(8/8)
		295	4	1	97%(379/389)	80%(8/10)
991	99.2	1408	2	8	100%(393/395)	100%(2/2)
		1560	4	29	99%(305/307)	100%(1/1)
992	96.2	274s	6	4	97%(143/148)	100%(4/4)
993	96.9	854	9	3	98%(385/392)	100%(9/9)
		1613	8	3	98%(385/392)	100%(9/9)
		1684	6	6	98%(385/392)	100%(7/7)
		39	7	1	98%(384/392)	86%(6/7)
		1302	10	2	98%(383/392)	100%(8/8)
		1677	3	1	97%(377/387)	88%(7/8)
		2214	8	1	97%(382/392)	100%(8/8)
		392	8	1	97%(381/392)	100%(7/7)
		743	5	1	97%(375/386)	78%(7/9)
		2676	1	1	97%(196/202)	67%(2/3)
994	93.4	2575	1	1	99%(378/382)	100%(24/24)
		138	1	1	99%(388/394)	96%(24/25)
		2684	1	1	98%(387/395)	95%(20/21)
		357	3	1	97%(384/395)	92%(22/24)
		565	1	1	96%(379/393)	88%(21/24)
		884	2	1	96%(377/391)	94%(17/18)
		2517	3	1	96%(125/130)	80%(8/10)
		2702	4	1	95%(374/395)	88%(14/16)
		1784s	4	1	94%(373/395)	83%(15/18)
		087	3	6	94%(49/52)	100%(3/3)
995	98.0	771	2	82	100%(207/208)	100%(1/1)
		711	5	109	99%(219/221)	100%(1/1)
		1598	5	8	99%(391/395)	100%(5/5)
		779	2	79	99%(84/85)	100%(1/1)
		761	4	1	99%(390/395)	86%(6/7)
		766	4	162	99%(143/145)	100%(1/1)
		2283	6	1	99%(389/395)	86%(6/7)
		748	6	64	98%(178/181)	100%(1/1)
		335	6	12	98%(223/227)	100%(1/1)
		2494	6	2	98%(388/395)	80%(4/5)
996	97.5	no close relatives				
997	98.0	1592	1	1	100%(393/395)	100%(7/7)
		800	2	6	99%(180/181)	100%(2/2)
		353	2	7	99%(392/395)	100%(6/6)
		989	4	3	99%(391/395)	100%(6/6)
		770	2	2	99%(376/380)	100%(7/7)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		186	2	2	99%(390/395)	100%(7/7)
		2482	1	4	99%(389/395)	100%(6/6)
		36	3	1	98%(388/395)	100%(6/6)
998	97.5	2679s	2	92	99%(98/99)	100%(2/2)
		1580	2	2	99%(389/395)	100%(7/7)
		180	2	3	98%(387/395)	100%(8/8)

Ms	MT	OMs	C	N	Overall	non-MT
		761	10	2	98%(387/395)	100%(6/6)
		904	7	25	98%(194/198)	100%(2/2)
		2908	6	47	98%(88/90)	100%(2/2)
		1387s	13	4	98%(385/394)	83%(5/6)
999	99.0	1450	1	2	100%(395/395)	100%(4/4)
		2782	1	33	100%(128/128)	100%(2/2)
		380	2	7	100%(393/395)	100%(3/3)
		730	3	17	100%(387/389)	100%(3/3)
		771	2	82	100%(207/208)	100%(1/1)
		1076	2	7	100%(393/395)	100%(3/3)
		1300	2	12	100%(393/395)	100%(3/3)
		202	3	9	99%(392/395)	100%(3/3)
		261	3	9	99%(392/395)	100%(3/3)
		561	1	5	99%(392/395)	100%(4/4)
		900	3	9	99%(392/395)	100%(3/3)
		1031	3	8	99%(392/395)	100%(3/3)
		1078	2	10	99%(392/395)	100%(3/3)
		1121	3	7	99%(392/395)	100%(3/3)
		1290	3	7	99%(392/395)	100%(3/3)
		1397	3	2	99%(391/394)	75%(3/4)
		1545	3	3	99%(392/395)	100%(4/4)
		2224	2	8	99%(392/395)	100%(3/3)
		2641	2	6	99%(392/395)	100%(3/3)
1000	97.7	2307	1	35	100%(195/195)	100%(2/2)
		573	2	121	99%(147/148)	100%(2/2)
		274	4	20	99%(247/249)	100%(3/3)
		1485	5	3	99%(391/395)	100%(6/6)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		952	5	5	99%(390/395)	100%(5/5)
		1125	6	2	99%(389/395)	100%(6/6)
		904	7	25	98%(194/198)	100%(2/2)
		1623	5	2	98%(387/395)	100%(5/5)
1001	93.9	2397	1	1	100%(393/395)	100%(22/22)
		2252	3	1	99%(388/394)	95%(18/19)
		782	4	1	98%(387/395)	90%(17/19)
		2794	15	1	97%(332/343)	93%(14/15)
		1676	12	1	97%(381/394)	93%(13/14)
		2728	10	1	97%(382/395)	88%(14/16)
		1006	12	1	97%(381/395)	88%(14/16)
		1268	12	1	97%(381/395)	82%(14/17)
		352	12	1	96%(380/394)	93%(13/14)
		974	14	1	96%(373/388)	77%(13/17)
1003	99.2	Kr				
1004	97.0	2908	6	47	98%(88/90)	100%(2/2)
		790	4	1	98%(385/395)	100%(7/7)
		820	11	1	98%(383/393)	86%(6/7)
		306	22	2	97%(384/395)	75%(6/8)
1005	96.2	2679s	1	22	100%(99/99)	100%(3/3)
		697	1	2	99%(391/395)	100%(13/13)

Ms	MT	OMs	C	N	Overall	non-MT
		2372	1	3	99%(278/282)	90%(9/10)
		1365	3	1	99%(389/395)	100%(12/12)
		660	2	4	98%(387/395)	100%(8/8)
		2394	5	2	98%(385/395)	100%(8/8)
		1455	5	1	97%(384/395)	100%(9/9)
1006	94.9	974	1	1	100%(386/388)	95%(19/20)
		2794	5	1	98%(337/343)	93%(14/15)
		352	5	1	98%(387/394)	93%(14/15)
		375	6	1	98%(385/393)	93%(13/14)
		782	5	1	98%(386/395)	94%(15/16)
		1676	5	2	98%(385/394)	93%(13/14)
		299	4	1	97%(381/395)	77%(10/13)
		713	1	1	97%(381/395)	85%(11/13)
		780	3	1	96%(373/390)	77%(10/13)
		1321	3	1	95%(377/395)	71%(12/17)
1007	96.5	416	1	226	100%(76/76)	100%(1/1)
		1804	1	15	100%(122/122)	100%(3/3)
		2760	5	1	99%(390/394)	100%(11/11)
		292	6	1	99%(384/389)	100%(11/11)
		1094	7	2	99%(390/395)	100%(10/10)
		766	4	162	99%(143/145)	100%(2/2)
		113	5	4	98%(387/394)	100%(9/9)
		330	6	3	98%(387/394)	100%(10/10)
		2127	4	2	98%(388/395)	100%(11/11)
		2703	6	2	98%(386/395)	100%(9/9)
1008	98.5	2908	2	37	99%(89/90)	100%(2/2)
		013	6	27	99%(235/238)	100%(3/3)
		2724	9	15	99%(389/394)	100%(3/3)
1009	94.6	649	6	1	98%(87/89)	67%(2/3)
		1273	1	1	95%(343/360)	100%(9/9)
1010	98.0	416	1	226	100%(76/76)	100%(1/1)
		011	1	1	99%(266/268)	100%(5/5)
		1083	1	4	99%(392/395)	100%(7/7)
		2679s	2	92	99%(98/99)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		530	2	2	99%(389/395)	100%(6/6)
		1415	3	1	99%(389/395)	83%(5/6)
		165	3	2	98%(378/385)	100%(5/5)
		2369	3	6	98%(367/374)	100%(4/4)
1011	96.5	1048	1	1	97%(384/395)	78%(7/9)
1012	97.7	2782	1	33	100%(128/128)	100%(2/2)
		140	7	9	99%(390/395)	100%(5/5)
		1804	7	160	98%(120/122)	100%(3/3)
		031s	8	6	98%(386/393)	100%(6/6)
		548	8	3	98%(388/395)	100%(5/5)
		1299	3	1	98%(388/395)	75%(6/8)
		1624	7	1	98%(388/395)	83%(5/6)
		2868	6	7	98%(388/395)	100%(5/5)
		1212	6	8	98%(387/395)	100%(6/6)

Ms	MT	OMs	C	N	Overall	non-MT
		2908	6	47	98%(88/90)	100%(1/1)
1013	97.5	416	1	226	100%(76/76)	100%(1/1)
		1085	2	1	100%(393/395)	100%(9/9)
		1804	2	99	99%(121/122)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(2/2)
		990	1	2	99%(389/395)	100%(8/8)
		748	6	64	98%(178/181)	100%(2/2)
		419	5	2	98%(380/387)	86%(6/7)
		1556	2	2	98%(377/384)	100%(7/7)
1014	97.2	71	5	1	98%(386/395)	78%(7/9)
1015	99.2	no close relatives				
1017	97.0	956	7	1	99%(390/395)	88%(7/8)
		1640	7	1	99%(390/395)	88%(7/8)
		2282s	7	1	99%(390/395)	88%(7/8)
		963	6	1	99%(389/395)	78%(7/9)
		1622s	8	1	99%(389/395)	88%(7/8)
		1629	8	1	99%(389/395)	88%(7/8)
		1054s	8	1	98%(388/395)	88%(7/8)
		2679	6	1	97%(288/296)	75%(3/4)
		1303	8	1	97%(384/395)	89%(8/9)
		2708	7	2	97%(383/394)	89%(8/9)
1018	99.2	Kr				
1019	98.0	1400	1	119	100%(211/211)	100%(1/1)
		2301	2	1	100%(393/395)	100%(6/6)
		2694	1	1	100%(393/395)	100%(8/8)
		240	4	9	99%(392/395)	100%(5/5)
		987s	2	2	99%(391/395)	100%(7/7)
		121	3	1	99%(390/395)	83%(5/6)
		1643	2	2	99%(390/395)	100%(7/7)
		766	4	162	99%(143/145)	100%(1/1)
		196	4	1	99%(389/395)	100%(5/5)
		2590	3	1	99%(389/395)	100%(6/6)
1020	99.2	Kr				
1021	94.9	857	12	1	97%(376/389)	73%(11/15)
		2470	27	1	97%(339/351)	82%(9/11)
		723	25	1	96%(375/389)	77%(10/13)
		855	36	1	96%(375/389)	82%(9/11)
		1160	30	1	96%(375/389)	91%(10/11)
		2735	27	1	96%(375/389)	83%(10/12)
		1336	17	1	96%(310/322)	92%(11/12)
		315	29	1	96%(374/389)	83%(10/12)
		1534	10	1	96%(374/389)	73%(11/15)
		741	18	1	95%(368/387)	83%(10/12)
1023	99.2	Kr				
1024	97.7	1615	3	1	99%(391/394)	86%(6/7)
		979	2	5	99%(390/394)	100%(5/5)
		2779	11	2	99%(267/271)	75%(3/4)
		1202	4	1	98%(387/394)	86%(6/7)

Ms	MT	OMs	C	N	Overall	non-MT
		2649	8	93	98%(143/146)	100%(2/2)
1025	99.5	Kr				
1026	97.0	416	1	226	100%(76/76)	100%(1/1)
		1804	1	15	100%(122/122)	100%(3/3)
		771	2	82	100%(207/208)	100%(2/2)
		2624	4	1	99%(392/395)	100%(10/10)
		2280	2	1	99%(390/395)	100%(9/9)
		766	4	162	99%(143/145)	100%(2/2)
		270	4	2	99%(389/395)	91%(10/11)
		2238	3	1	99%(382/388)	89%(8/9)
		557	3	1	98%(387/395)	100%(8/8)
		1641	3	1	98%(386/395)	100%(7/7)
1029	97.5	370	11	11	98%(124/127)	67%(2/3)
1030	99.2	Kr				
1031	98.7	1400	1	119	100%(211/211)	100%(1/1)
		240	3	14	100%(393/395)	100%(4/4)
		246	2	83	100%(197/198)	100%(2/2)
		730	3	17	100%(387/389)	100%(3/3)
		769	3	76	100%(393/395)	100%(3/3)
		1178	1	10	100%(393/395)	100%(4/4)
		1280	2	5	100%(393/395)	100%(5/5)
		1445	3	76	100%(393/395)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		2255	3	76	100%(393/395)	100%(3/3)
		600	1	1	99%(383/386)	80%(4/5)
		1670	1	1	99%(392/395)	100%(4/4)
		2101	3	7	99%(389/392)	100%(4/4)
		2782	2	100	99%(127/128)	100%(1/1)
		305	3	5	99%(386/390)	100%(4/4)
		986	3	8	99%(391/395)	100%(3/3)
		2454	2	1	99%(391/395)	100%(4/4)
1032	98.7	416	1	226	100%(76/76)	100%(1/1)
		1712	1	129	100%(191/191)	100%(1/1)
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		2725	2	12	100%(198/199)	100%(3/3)
		573	2	121	99%(147/148)	100%(1/1)
		2215	2	3	99%(390/393)	100%(5/5)
		563	2	4	99%(390/394)	100%(3/3)
		2908	2	37	99%(89/90)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
1033	99.2	416	1	226	100%(76/76)	100%(1/1)
		1712	1	129	100%(191/191)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		516	3	13	100%(392/394)	100%(2/2)
		1114	2	6	100%(393/395)	100%(2/2)
		2307	2	72	100%(194/195)	100%(1/1)
		2389	2	14	100%(387/389)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
1034	99.0	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		1467	2	3	100%(334/335)	100%(3/3)
		2307	2	72	100%(194/195)	100%(2/2)
		2773	3	6	100%(393/395)	100%(3/3)
		573	2	121	99%(147/148)	100%(1/1)
		2907	2	5	99%(296/298)	100%(3/3)
		122	2	3	99%(392/395)	100%(3/3)
		461	3	18	99%(392/395)	100%(3/3)
		2439	3	1	99%(392/395)	100%(3/3)
1035	98.5	246	2	83	100%(197/198)	100%(2/2)
		1600	3	6	100%(393/395)	100%(4/4)
		1633	2	77	100%(202/203)	100%(2/2)
		986	2	8	99%(392/395)	100%(4/4)
		1649	3	1	99%(391/395)	100%(4/4)
		2178	7	1	99%(391/395)	80%(4/5)
		1421	7	13	99%(344/348)	100%(2/2)
		836	8	7	99%(316/320)	67%(2/3)
		925	9	1	99%(390/395)	75%(3/4)
		1547	5	2	99%(390/395)	75%(3/4)
1036	98.0	1143	2	2	99%(195/197)	100%(2/2)
1037	98.0	771	2	82	100%(207/208)	100%(1/1)
		449	3	2	99%(392/395)	100%(7/7)
		1347	3	4	99%(392/395)	100%(6/6)
		711	5	109	99%(219/221)	100%(1/1)
		2679s	3	2	99%(98/99)	67%(2/3)
		2860	4	1	99%(391/395)	100%(6/6)
		1218	3	5	99%(390/395)	100%(5/5)
		2603	4	2	99%(390/395)	100%(7/7)
		766	4	162	99%(143/145)	100%(1/1)
		808	5	4	98%(388/395)	100%(5/5)
1038	96.7	929	1	1	98%(387/395)	78%(7/9)
		2908	6	47	98%(88/90)	100%(2/2)
1039	98.2	2908	1	8	100%(90/90)	100%(3/3)
		1791	1	3	100%(393/395)	100%(5/5)
		2307	2	72	100%(194/195)	100%(1/1)
		511	2	1	99%(388/391)	100%(5/5)
		1442	4	2	99%(392/395)	100%(5/5)
		1063	3	6	99%(391/395)	100%(6/6)
		1190	2	5	99%(391/395)	100%(6/6)
		1664	5	10	99%(391/395)	100%(5/5)
		2135	3	5	99%(391/395)	100%(6/6)
		444	3	3	99%(389/395)	100%(5/5)
1040	99.2	Kr				
1041	99.5	no close relatives				
1042	99.5	1408	1	2	100%(394/395)	100%(2/2)
		2287	2	2	100%(260/261)	100%(1/1)
1043	95.9	370	1	6	100%(127/127)	100%(5/5)
		836	4	4	99%(317/320)	100%(5/5)
		856	2	2	99%(391/395)	100%(14/14)

Ms	MT	OMs	C	N	Overall	non-MT
		881	2	1	99%(389/394)	100%(13/13)
		1262	3	1	99%(389/395)	100%(14/14)
		889	4	1	98%(387/395)	100%(14/14)
		306	18	2	97%(384/395)	100%(9/9)
		315	14	4	97%(384/395)	100%(11/11)
		772	4	2	97%(328/340)	93%(13/14)
		817	14	1	96%(380/395)	100%(10/10)
1044	96.2	370	17	6	97%(123/127)	67%(2/3)
1046	99.5	Kr				
1047s	97.2	1704	2	1	99%(390/395)	100%(9/9)
		2108	2	1	99%(390/395)	100%(8/8)
1048	96.7	1011	1	1	97%(384/395)	78%(7/9)
		370	17	6	97%(123/127)	67%(2/3)
1049	97.7	no close relatives				
1050	96.7	2908	2	37	99%(89/90)	100%(2/2)
		1446	1	1	97%(383/395)	90%(9/10)
		2620	3	1	97%(383/395)	78%(7/9)
		370	17	6	97%(123/127)	67%(2/3)
1053	95.7	38	4	1	98%(387/394)	90%(9/10)
		1148	5	1	98%(383/393)	91%(10/11)
		31	5	1	97%(383/394)	100%(10/10)
		1808	3	1	97%(373/385)	91%(10/11)
		2546	6	1	97%(381/395)	100%(11/11)
1054s	97.5	2679s	1	22	100%(99/99)	100%(3/3)
		956	3	5	100%(393/395)	100%(8/8)
		1640	3	5	100%(393/395)	100%(8/8)
		2282s	3	5	100%(393/395)	100%(8/8)
		1622s	4	6	99%(392/395)	100%(8/8)
		1629	4	6	99%(392/395)	100%(8/8)
		963	3	5	99%(391/395)	100%(8/8)
		1086	4	4	99%(391/395)	100%(8/8)
		2136	4	4	99%(391/395)	100%(6/6)
		2737	3	5	99%(390/395)	100%(8/8)
1056	98.5	100	3	3	100%(393/395)	100%(4/4)
		1164	3	3	100%(393/395)	100%(4/4)
		1340	3	3	100%(390/392)	100%(4/4)
		371	3	3	99%(392/395)	100%(4/4)
		597	4	3	99%(392/395)	100%(4/4)
		1235	3	4	99%(392/395)	100%(4/4)
		2346	3	4	99%(392/395)	100%(4/4)
		1423	3	2	99%(391/395)	100%(4/4)
		1510	3	2	99%(389/394)	100%(4/4)
		2120	1	1	99%(390/395)	100%(5/5)
1057	98.7	932	3	69	100%(393/395)	100%(3/3)
		961	3	69	100%(393/395)	100%(3/3)
		1596	3	69	100%(393/395)	100%(3/3)
		1620	3	69	100%(393/395)	100%(3/3)
		1628	3	69	100%(393/395)	100%(3/3)
		2122	3	69	100%(393/395)	100%(3/3)
		100	4	3	99%(392/395)	100%(3/3)



Ms	MT	OMs	C	N	Overall	non-MT
		986	3	8	99%(391/395)	100%(3/3)
		1404	2	1	99%(378/382)	100%(5/5)
		1510	2	5	99%(390/394)	100%(4/4)
1058	98.5	416	1	226	100%(76/76)	100%(1/1)
		1712	1	129	100%(191/191)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		2782	2	100	99%(127/128)	100%(2/2)
		1438	2	3	99%(391/395)	100%(4/4)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		193	3	2	99%(390/395)	100%(5/5)
1059	97.7	no close relatives				
1060	96.2	no close relatives				
1061	98.2	no close relatives				
1062	99.0	246	1	124	100%(198/198)	100%(2/2)
		1633	1	119	100%(203/203)	100%(2/2)
		845	2	69	100%(394/395)	100%(3/3)
		962	2	67	100%(392/393)	100%(3/3)
		1132	2	67	100%(394/395)	100%(3/3)
		1145	2	73	100%(373/374)	100%(3/3)
		1328	2	69	100%(394/395)	100%(3/3)
		1493	2	71	100%(393/394)	100%(2/2)
		1617	2	67	100%(394/395)	100%(3/3)
		2636	2	67	100%(375/376)	100%(2/2)
		1095	2	5	100%(393/395)	100%(3/3)
		1234	3	1	100%(393/395)	100%(3/3)
		1703	3	5	100%(393/395)	100%(3/3)
		2322	2	6	100%(392/394)	100%(3/3)
1063	97.7	2908	1	8	100%(90/90)	100%(3/3)
		2782	2	100	99%(127/128)	100%(2/2)
		1039	4	5	99%(391/395)	100%(6/6)
		1190	2	5	99%(391/395)	100%(7/7)
		1664	5	10	99%(391/395)	100%(6/6)
		2135	3	5	99%(391/395)	100%(7/7)
		2679s	2	92	99%(98/99)	100%(2/2)
		2709	3	1	99%(390/395)	100%(8/8)
		1540	3	1	98%(324/330)	100%(6/6)
		988	3	2	98%(387/395)	100%(6/6)
1064	97.5	2136	4	4	99%(391/395)	100%(6/6)
		2137	4	4	99%(391/395)	100%(6/6)
		956	8	8	99%(389/395)	100%(6/6)
		1640	8	8	99%(389/395)	100%(6/6)
		2282s	8	8	99%(389/395)	100%(6/6)
		1804	7	160	98%(120/122)	100%(2/2)
		1629	9	7	98%(388/395)	100%(6/6)
		2497	6	5	98%(388/395)	100%(6/6)
		1054s	9	5	98%(387/395)	100%(6/6)
		2679s	8	83	98%(97/99)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
1065	98.2	1068	2	1	100%(394/395)	100%(6/6)
		246	2	83	100%(197/198)	100%(2/2)
		1633	2	77	100%(202/203)	100%(2/2)
1068	98.5	1590	1	2	100%(146/146)	100%(1/1)
		1065	1	1	100%(394/395)	100%(6/6)
		246	2	83	100%(197/198)	100%(2/2)
		1633	2	77	100%(202/203)	100%(2/2)
		1119	5	14	99%(275/278)	100%(2/2)
		1543	3	1	99%(389/394)	100%(3/3)
1071	93.7	33	1	1	96%(373/389)	71%(15/21)
		1321	1	1	96%(378/395)	84%(16/19)
		033	4	1	95%(375/395)	91%(19/21)
		213	5	1	95%(374/395)	90%(18/20)
		865	3	1	94%(373/395)	91%(19/21)
		0109	8	1	94%(91/97)	71%(5/7)
1072	99.5	Kr				
1073	98.2	416	1	226	100%(76/76)	100%(1/1)
		2442	2	1	100%(342/343)	100%(7/7)
		013	2	10	99%(236/238)	100%(4/4)
		1341	3	8	99%(392/395)	100%(5/5)
		1790	2	2	99%(392/395)	100%(6/6)
		1804	2	99	99%(121/122)	100%(2/2)
		2386	2	2	99%(391/394)	100%(6/6)
		2195	2	1	99%(391/395)	100%(5/5)
		2679s	2	92	99%(98/99)	100%(2/2)
		011	2	11	99%(265/268)	100%(5/5)
		396	2	2	99%(390/395)	100%(5/5)
		447	1	2	99%(390/395)	100%(5/5)
		1212	3	1	99%(389/395)	100%(6/6)
1074	97.2	013	9	33	98%(234/238)	100%(3/3)
		2679s	8	83	98%(97/99)	100%(2/2)
		011	14	13	98%(262/268)	100%(4/4)
		2908	6	47	98%(88/90)	100%(2/2)
1075	99.5	Kr				
1076	99.0	2224	1	1	100%(394/395)	100%(4/4)
		380	2	7	100%(393/395)	100%(3/3)
		771	2	82	100%(207/208)	100%(1/1)
		999	2	7	100%(393/395)	100%(3/3)
		1300	2	12	100%(393/395)	100%(3/3)
		1450	2	7	100%(393/395)	100%(3/3)
		202	3	9	99%(392/395)	100%(3/3)
		261	3	9	99%(392/395)	100%(3/3)
		900	3	9	99%(392/395)	100%(3/3)
		1078	2	10	99%(392/395)	100%(3/3)
		1121	3	7	99%(392/395)	100%(3/3)
		2782	2	100	99%(127/128)	100%(2/2)
1077	98.0	573	1	23	100%(148/148)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		2782	1	33	100%(126/126)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		2500	2	3	100%(391/393)	100%(7/7)
		2592	2	3	100%(390/392)	100%(7/7)
		358	3	6	99%(390/393)	100%(6/6)
		360	3	5	99%(390/393)	100%(6/6)
		1373	3	3	99%(389/393)	100%(6/6)
		779	2	79	99%(82/83)	100%(1/1)
1078	98.7	2782	1	33	100%(128/128)	100%(2/2)
		013	2	10	99%(236/238)	100%(3/3)
		380	3	8	99%(392/395)	100%(3/3)
		942	3	6	99%(392/395)	100%(3/3)
		1300	3	17	99%(392/395)	100%(3/3)
		661	1	2	99%(391/395)	100%(4/4)
		1385	2	2	99%(391/395)	100%(3/3)
		2224	3	9	99%(391/395)	100%(3/3)
		2315	2	2	99%(391/395)	100%(4/4)
		779	2	79	99%(84/85)	100%(1/1)
1079	96.2	2902	1	2	100%(394/395)	100%(14/14)
		1219	2	2	100%(393/395)	100%(14/14)
		041	2	3	99%(392/395)	100%(12/12)
		699	2	2	99%(392/395)	100%(13/13)
		114	2	3	99%(391/395)	100%(13/13)
		489	3	2	99%(391/395)	100%(13/13)
		2193	2	3	99%(391/395)	100%(11/11)
		1816	2	2	98%(387/395)	100%(11/11)
		581	3	3	98%(385/395)	92%(11/12)
		2404	2	5	98%(385/395)	100%(12/12)
1080	98.2	546	1	5	99%(222/225)	100%(2/2)
		584	3	5	99%(389/395)	100%(5/5)
1081	95.9	no close relatives				
1082	95.7	no close relatives				
1083	97.7	21	3	3	99%(391/394)	100%(6/6)
		1010	3	1	99%(392/395)	100%(7/7)
		1341	3	8	99%(392/395)	100%(6/6)
		2603	3	1	99%(391/395)	100%(8/8)
		2679s	2	92	99%(98/99)	100%(2/2)
		151	1	2	99%(390/395)	100%(8/8)
		2304	2	2	99%(390/395)	100%(8/8)
		117	3	3	99%(389/395)	100%(7/7)
		263	3	9	99%(389/395)	100%(5/5)
		2369	3	6	98%(367/374)	100%(4/4)
1084	98.0	2782	2	100	99%(127/128)	100%(1/1)
		779	2	79	99%(84/85)	100%(1/1)
		1454	8	1	99%(390/395)	57%(4/7)
		60	10	1	99%(389/395)	57%(4/7)
		1495	11	1	99%(389/395)	57%(4/7)
		801	8	1	98%(388/395)	80%(4/5)
		1685	9	1	98%(388/395)	57%(4/7)
1085	97.5	416	1	226	100%(76/76)	100%(1/1)
		1013	2	1	100%(393/395)	100%(9/9)
		1804	2	99	99%(121/122)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(2/2)
		990	1	2	99%(389/395)	100%(8/8)
		748	6	64	98%(178/181)	100%(2/2)
		419	5	2	98%(380/387)	86%(6/7)
		1556	2	2	98%(377/384)	100%(7/7)
1086	97.5	771	1	13	100%(208/208)	100%(2/2)
		956	3	5	100%(393/395)	100%(8/8)
		1640	3	5	100%(393/395)	100%(8/8)
		2282s	3	5	100%(393/395)	100%(8/8)
		1622s	4	6	99%(392/395)	100%(8/8)
		1629	4	6	99%(392/395)	100%(8/8)
		1804	2	99	99%(121/122)	100%(2/2)
		963	3	5	99%(391/395)	100%(8/8)
		2737	3	5	99%(390/395)	100%(8/8)
		164	2	2	98%(387/395)	100%(6/6)
1087	96.5	108	9	1	98%(385/395)	88%(7/8)
1088	98.7	83	3	68	100%(393/395)	100%(3/3)
		246	2	83	100%(197/198)	100%(2/2)
		1023	3	67	100%(392/394)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		1698	3	68	100%(393/395)	100%(3/3)
		1705	3	68	100%(393/395)	100%(3/3)
		2364s	3	68	100%(393/395)	100%(3/3)
		1560	4	29	99%(305/307)	100%(2/2)
		645	4	5	99%(392/395)	100%(3/3)
		1786	4	4	99%(390/394)	100%(3/3)
1089	98.0	2509	11	4	99%(388/394)	100%(5/5)
1090	97.2	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		2782	1	33	100%(127/127)	100%(2/2)
		573	2	121	99%(147/148)	100%(2/2)
		2649	2	17	99%(145/146)	100%(3/3)
		2500	4	5	99%(391/394)	100%(8/8)
		2908	2	37	99%(88/89)	100%(2/2)
		766	4	162	99%(143/145)	100%(2/2)
		851	5	2	98%(384/391)	100%(7/7)
		1595	5	2	98%(386/394)	86%(6/7)
1091	98.0	10	2	1	99%(392/395)	100%(7/7)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1194	3	1	99%(390/395)	100%(7/7)
1092	99.6	Kr				
1093	95.9	no close relatives				
1094	97.2	416	1	226	100%(76/76)	100%(1/1)
		1804	1	15	100%(122/122)	100%(3/3)
		771	2	82	100%(207/208)	100%(2/2)
		2760	3	3	99%(391/394)	100%(10/10)
		711	5	109	99%(219/221)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		330	3	4	99%(390/394)	100%(10/10)
		1007	3	2	99%(390/395)	100%(10/10)
		766	4	162	99%(143/145)	100%(2/2)
		113	4	1	99%(388/394)	100%(8/8)
		2703	3	1	98%(387/395)	100%(8/8)
1095	99.0	845	2	69	100%(394/395)	100%(3/3)
		1145	2	73	100%(373/374)	100%(3/3)
		1328	2	69	100%(394/395)	100%(3/3)
		1493	2	71	100%(393/394)	100%(2/2)
		246	2	83	100%(197/198)	100%(2/2)
		1062	3	4	100%(393/395)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		1703	3	5	100%(393/395)	100%(3/3)
		2322	2	6	100%(392/394)	100%(3/3)
		2767	2	1	100%(392/394)	75%(3/4)
		573	2	121	99%(147/148)	100%(1/1)
1096	97.4	414	5	6	99%(386/390)	100%(6/6)
		852	3	4	99%(386/390)	100%(7/7)
		1466	5	6	99%(386/390)	100%(6/6)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2649	5	93	99%(144/146)	100%(2/2)
		335	6	12	98%(223/227)	100%(2/2)
		2679s	8	83	98%(97/99)	100%(2/2)
		1465	9	1	98%(382/390)	100%(6/6)
		2812	9	2	98%(381/390)	100%(6/6)
1110	97.5	416	1	226	100%(76/76)	100%(1/1)
		1566	6	2	99%(391/395)	100%(6/6)
		2277	1	1	99%(391/395)	100%(8/8)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		32	4	2	99%(390/395)	100%(8/8)
		766	4	162	99%(143/145)	100%(2/2)
		370	4	18	98%(125/127)	100%(3/3)
		406	3	1	98%(386/395)	100%(6/6)
		1709	1	1	98%(386/395)	100%(7/7)
1111	99.5	Kr				
1113	96.2	557	4	1	98%(387/395)	90%(9/10)
		68	8	1	98%(385/395)	80%(8/10)
		726	8	1	98%(385/395)	89%(8/9)
		365	6	1	97%(382/393)	80%(8/10)
		1375	4	1	97%(384/395)	80%(8/10)
		1463	14	1	97%(383/394)	89%(8/9)
		1377	5	1	97%(379/391)	80%(8/10)
		679	2	1	97%(381/394)	82%(9/11)
		2478	1	1	97%(381/394)	83%(10/12)
		274s	6	4	97%(143/148)	100%(3/3)
1114	99.2	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		246	2	83	100%(197/198)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		516	3	13	100%(392/394)	100%(2/2)
		1033	2	4	100%(393/395)	100%(2/2)
		1633	2	77	100%(202/203)	100%(1/1)
		2307	2	72	100%(194/195)	100%(1/1)
		2389	2	14	100%(387/389)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
1117	99.2	Kr				
1118	98.2	139	5	2	99%(390/395)	100%(4/4)
		210	6	5	99%(390/395)	100%(4/4)
		7	12	17	99%(389/395)	100%(4/4)
		72	11	10	99%(389/395)	100%(4/4)
		887	8	2	99%(389/395)	100%(4/4)
		2732	14	10	99%(389/395)	100%(4/4)
		1804	7	160	98%(120/122)	100%(1/1)
1119	98.6	1712	1	129	100%(100/100)	100%(1/1)
		167	3	2	100%(277/278)	100%(3/3)
		361	3	1	100%(277/278)	100%(3/3)
		1165	3	1	100%(277/278)	100%(3/3)
		2460	3	1	100%(277/278)	100%(3/3)
		2479	3	1	100%(277/278)	100%(3/3)
		2510	3	2	100%(277/278)	100%(3/3)
		246	3	1	99%(176/177)	100%(2/2)
		1633	3	1	99%(180/181)	100%(2/2)
		959	3	2	99%(276/278)	100%(2/2)
		1180	3	1	99%(276/278)	100%(3/3)
		1329	3	1	99%(276/278)	100%(3/3)
		2301	3	1	99%(276/278)	100%(3/3)
		2496	3	2	99%(276/278)	100%(3/3)
		379	2	1	99%(275/278)	100%(3/3)
		1779	3	1	99%(273/276)	100%(2/2)
		2508	3	1	99%(275/278)	100%(3/3)
		2598	3	1	99%(274/277)	100%(3/3)
1120	98.5	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		013	1	1	100%(237/238)	100%(4/4)
		556	2	2	100%(393/395)	100%(5/5)
		2307	2	72	100%(194/195)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
		461	3	18	99%(392/395)	100%(4/4)
		1073	3	8	99%(392/395)	100%(5/5)
		2782	2	100	99%(127/128)	100%(2/2)
		160	3	2	99%(391/395)	100%(5/5)
		1585	2	2	99%(391/395)	100%(4/4)
		1790	3	5	99%(391/395)	100%(5/5)
		2386	3	5	99%(390/394)	100%(5/5)
		2679s	2	92	99%(98/99)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1415	2	1	99%(390/395)	100%(5/5)
		2195	3	5	99%(390/395)	100%(4/4)

Ms	MT	OMs	C	N	Overall	non-MT
1121	98.7	2782	1	33	100%(128/128)	100%(2/2)
		202	2	2	100%(393/395)	100%(4/4)
		476	1	7	100%(393/395)	100%(3/3)
		900	2	2	100%(393/395)	100%(4/4)
		380	3	8	99%(392/395)	100%(3/3)
		1076	4	7	99%(392/395)	100%(3/3)
		1300	3	17	99%(392/395)	100%(3/3)
		1078	4	12	99%(391/395)	100%(3/3)
		2224	3	9	99%(391/395)	100%(3/3)
		779	2	79	99%(84/85)	100%(1/1)
1122	94.7	no close relatives				
1123	97.7	416	1	226	100%(76/76)	100%(1/1)
		179	2	23	100%(248/249)	100%(2/2)
		711	2	25	100%(220/221)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		2474	4	2	99%(391/394)	100%(8/8)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1143	3	21	99%(194/197)	100%(1/1)
1125	97.7	2307	2	72	100%(194/195)	100%(2/2)
		573	2	121	99%(147/148)	100%(2/2)
		1485	5	3	99%(391/395)	100%(6/6)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		952	5	5	99%(390/395)	100%(5/5)
		1000	7	1	99%(389/395)	100%(6/6)
		163	1	1	98%(387/395)	86%(6/7)
		904	7	25	98%(194/198)	100%(2/2)
		1623	5	2	98%(387/395)	100%(5/5)
1126	97.5	498	2	1	99%(389/394)	100%(6/6)
		1615	5	2	99%(387/393)	100%(5/5)
		1202	3	1	98%(387/394)	100%(7/7)
		1138	2	1	98%(386/394)	100%(7/7)
		1354	1	1	98%(386/394)	100%(6/6)
		1553	3	1	98%(381/390)	100%(6/6)
1127	97.7	416	1	226	100%(76/76)	100%(1/1)
		551	2	1	100%(394/395)	100%(9/9)
		711	2	25	100%(220/221)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		1391	3	1	99%(391/395)	86%(6/7)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2649	5	93	99%(144/146)	100%(2/2)
1128	94.0	475s	4	1	97%(30/31)	100%(2/2)
1131	98.6	1584	2	1	100%(282/283)	100%(3/3)
		167	5	1	99%(281/283)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		689	3	1	99%(281/283)	100%(3/3)
		1145	4	2	99%(272/274)	100%(1/1)
		1618	5	1	99%(281/283)	100%(2/2)
		2510	5	1	99%(281/283)	100%(2/2)
		147	6	1	99%(280/283)	100%(1/1)
		1702	4	1	99%(280/283)	100%(2/2)
		2641	7	2	99%(280/283)	100%(2/2)
		2689	4	2	99%(280/283)	100%(3/3)
1132	99.2	Kr				
1135	93.1	no close relatives				
1136	97.5	375	5	1	98%(385/392)	89%(8/9)
		127	8	1	98%(385/394)	71%(5/7)
		352	6	1	98%(384/393)	89%(8/9)
		2794	8	1	98%(334/342)	89%(8/9)
1137	97.4	no close relatives				
1138	97.0	1553	1	1	99%(386/391)	100%(9/9)
		1126	4	2	98%(386/394)	100%(7/7)
1139	96.7	2779	11	2	99%(267/271)	75%(3/4)
		1901	4	1	98%(386/393)	75%(6/8)
1141	99.0	1472	1	1	100%(394/395)	100%(4/4)
		195	1	3	100%(393/395)	100%(4/4)
		210	1	3	100%(393/395)	100%(4/4)
		771	2	82	100%(207/208)	100%(1/1)
		1586	1	2	100%(393/395)	100%(3/3)
		2856	1	1	100%(393/395)	100%(4/4)
		179	6	86	99%(247/249)	100%(1/1)
		946	3	2	99%(392/395)	100%(3/3)
		1568	1	3	99%(392/395)	100%(3/3)
		711	5	109	99%(219/221)	100%(1/1)
1142	99.0	416	1	226	100%(76/76)	100%(1/1)
		2307	2	72	100%(193/194)	100%(1/1)
		036	4	4	99%(390/393)	100%(2/2)
		3	1	1	99%(390/393)	100%(2/2)
		72	3	1	99%(390/393)	100%(3/3)
		698	4	1	99%(390/393)	100%(3/3)
		765	6	8	99%(390/393)	100%(3/3)
		1341	3	8	99%(390/393)	100%(3/3)
		2415	3	11	99%(390/393)	100%(3/3)
1143	98.0	0109	1	1	100%(50/50)	100%(2/2)
		1451	1	1	100%(197/197)	100%(4/4)
		1036	1	1	99%(195/197)	100%(2/2)
		76	2	2	99%(194/197)	100%(1/1)
		123	3	1	99%(194/197)	100%(1/1)
		695	3	1	99%(194/197)	67%(2/3)
		759	3	1	99%(194/197)	67%(2/3)
		786	3	1	99%(194/197)	100%(2/2)
		791	2	1	99%(192/195)	100%(1/1)
		808	3	5	99%(194/197)	100%(1/1)
		1192	3	2	99%(194/197)	100%(1/1)
		1289	1	1	99%(194/197)	100%(2/2)



Ms	MT	OMs	C	N	Overall	non-MT
		1370	3	1	99%(194/197)	67%(2/3)
		1463	2	2	99%(194/197)	100%(1/1)
		1819	1	1	99%(194/197)	75%(3/4)
		2263	3	2	99%(194/197)	100%(1/1)
		2494	3	1	99%(194/197)	100%(1/1)
		2528	1	1	99%(194/197)	75%(3/4)
		2533	1	1	99%(194/197)	67%(2/3)
1144	97.2	2725	7	33	99%(198/200)	100%(3/3)
		266	2	1	98%(388/395)	100%(8/8)
		2686	13	1	98%(387/395)	71%(5/7)
		2908	6	47	98%(88/90)	100%(2/2)
		370	8	42	98%(124/127)	100%(2/2)
1145	99.2	Kr				
1146	99.5	Kr				
1147	99.5	Kr				
1148	96.4	38	2	1	99%(387/392)	80%(8/10)
		969	2	1	98%(385/393)	78%(7/9)
		1808	2	1	98%(374/383)	82%(9/11)
		1053	2	1	98%(383/393)	91%(10/11)
		2546	4	1	98%(383/393)	92%(11/12)
		31	3	1	97%(382/392)	80%(8/10)
1149	98.2	no close relatives				
1152	97.4	766	4	162	99%(143/145)	100%(1/1)
		1804	7	160	98%(120/122)	100%(1/1)
		335	6	12	98%(222/226)	100%(2/2)
		2649	8	93	98%(143/146)	100%(1/1)
1155	98.7	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		2782	1	33	100%(128/128)	100%(2/2)
		199	3	13	100%(393/395)	100%(3/3)
		219	3	7	100%(393/395)	100%(4/4)
		2098	3	13	100%(393/395)	100%(3/3)
		2292	2	5	100%(393/395)	100%(3/3)
		573	2	121	99%(147/148)	100%(1/1)
		942	3	6	99%(392/395)	100%(3/3)
		1058	3	4	99%(392/395)	100%(4/4)
		1077	3	4	99%(390/393)	100%(5/5)
		1575	1	5	99%(392/395)	100%(3/3)
		2396	3	1	99%(390/394)	100%(4/4)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
1157	98.7	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		399	3	13	100%(393/395)	100%(3/3)
		2200	2	3	100%(393/395)	100%(4/4)
		573	2	121	99%(147/148)	100%(1/1)
		777	4	10	99%(391/395)	100%(4/4)
		2354	3	6	99%(391/395)	100%(3/3)
		779	2	79	99%(84/85)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
1158	99.0	246	1	124	100%(198/198)	100%(2/2)
		1633	1	119	100%(203/203)	100%(2/2)
		361	4	71	100%(392/394)	100%(2/2)
		1165	4	71	100%(392/394)	100%(2/2)
		1462	4	1	100%(392/394)	67%(2/3)
		1618	4	1	100%(392/394)	67%(2/3)
		1634	4	1	100%(392/394)	67%(2/3)
		2460	4	71	100%(392/394)	100%(2/2)
		415	5	6	99%(391/394)	100%(2/2)
		689	5	1	99%(391/394)	67%(2/3)
1160	96.2	2735	1	3	99%(392/395)	100%(14/14)
		742	3	1	99%(390/394)	92%(12/13)
		854	3	2	99%(391/395)	100%(12/12)
		1613	3	1	99%(391/395)	100%(12/12)
		2470	1	1	99%(352/356)	93%(13/14)
		855	1	1	99%(390/395)	92%(12/13)
		734	1	3	99%(388/394)	100%(11/11)
		1336	2	3	98%(322/328)	100%(12/12)
		817	1	1	98%(386/395)	92%(12/13)
		886	1	1	98%(385/394)	100%(12/12)
1163	98.5	416	1	226	100%(76/76)	100%(1/1)
		15	3	2	100%(393/395)	100%(6/6)
		1300	2	12	100%(393/395)	100%(4/4)
		2173	2	6	100%(393/395)	100%(5/5)
		013	2	10	99%(236/238)	100%(3/3)
		461	3	18	99%(392/395)	100%(4/4)
		1804	2	99	99%(121/122)	100%(2/2)
		2637	3	12	99%(392/395)	100%(5/5)
		2782	2	100	99%(127/128)	100%(2/2)
		2679s	2	92	99%(98/99)	100%(2/2)
		011	2	11	99%(265/268)	100%(4/4)
		2908	2	37	99%(89/90)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		778	2	11	99%(388/393)	100%(4/4)
1164	99.0	100	1	2	100%(395/395)	100%(4/4)
		1340	1	2	100%(392/392)	100%(4/4)
		371	1	3	100%(394/395)	100%(4/4)
		597	1	3	100%(394/395)	100%(4/4)
		1235	1	3	100%(394/395)	100%(4/4)
		2346	1	3	100%(394/395)	100%(4/4)
		291	1	3	100%(393/395)	100%(3/3)
		1056	1	3	100%(393/395)	100%(4/4)
		1423	1	4	100%(393/395)	100%(4/4)
		1057	2	8	99%(392/395)	100%(3/3)
		1510	1	4	99%(391/394)	100%(4/4)
1165	99.2	Kr				
1166	96.5	1542	1	1	99%(388/393)	100%(10/10)

Ms	MT	OMs	C	N	Overall	non-MT
		2679s	8	83	98%(97/99)	100%(2/2)
		370	17	6	97%(123/127)	67%(2/3)
1167	99.0	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		843	2	2	100%(394/395)	100%(3/3)
		1473	2	2	100%(394/395)	100%(3/3)
		2604	2	2	100%(394/395)	100%(3/3)
		179	2	23	100%(248/249)	100%(2/2)
		896	3	1	100%(393/395)	100%(3/3)
		573	2	121	99%(147/148)	100%(1/1)
		496	2	2	99%(388/391)	100%(2/2)
		1570	4	3	99%(392/395)	100%(3/3)
1170	96.7	86	1	2	99%(392/395)	100%(12/12)
		569	2	1	99%(391/395)	100%(12/12)
		1531	3	2	99%(390/395)	100%(11/11)
		1413	1	1	98%(388/395)	91%(10/11)
		2387	4	3	98%(387/395)	100%(8/8)
		2291	5	2	98%(386/395)	100%(11/11)
		2611	6	2	98%(386/395)	100%(9/9)
		71	7	1	98%(385/395)	89%(8/9)
		1458	5	1	98%(385/395)	80%(8/10)
		1788	10	2	97%(381/391)	86%(6/7)
1171	97.5	2868	4	4	99%(389/395)	100%(6/6)
		1217	6	1	98%(386/395)	86%(6/7)
		1436	5	1	98%(386/395)	83%(5/6)
1172s	97.2	no close relatives				
1173	97.2	2315	4	2	99%(389/395)	100%(6/6)
1178	98.7	240	3	14	100%(393/395)	100%(4/4)
		730	3	17	100%(387/389)	100%(3/3)
		769	3	76	100%(393/395)	100%(3/3)
		771	2	82	100%(207/208)	100%(1/1)
		806	3	1	100%(393/395)	75%(3/4)
		1031	2	12	100%(393/395)	100%(4/4)
		1445	3	76	100%(393/395)	100%(3/3)
		2255	3	76	100%(393/395)	100%(3/3)
		2101	3	7	99%(389/392)	100%(4/4)
		2782	2	100	99%(127/128)	100%(1/1)
		305	3	5	99%(386/390)	100%(4/4)
		600	2	2	99%(382/386)	100%(4/4)
		986	3	8	99%(391/395)	100%(3/3)
		1406	3	1	99%(391/395)	75%(3/4)
1179	98.7	2307	2	72	100%(194/195)	100%(2/2)
		274	9	39	99%(246/249)	100%(2/2)
1180	98.7	1712	1	129	100%(191/191)	100%(1/1)
		361	4	71	100%(393/395)	100%(3/3)
		1165	4	71	100%(393/395)	100%(3/3)
		2460	4	71	100%(393/395)	100%(3/3)
		1119	4	32	99%(276/278)	100%(3/3)
		415	5	6	99%(392/395)	100%(3/3)
		1323	5	6	99%(392/395)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		2444	5	6	99%(392/395)	100%(3/3)
		2284	4	1	99%(391/395)	100%(4/4)
		2508	2	1	99%(391/395)	100%(4/4)
1181	99.2	Kr				
1182	95.0	684	6	1	99%(217/220)	100%(8/8)
		834	4	2	98%(216/220)	100%(8/8)
		1252	7	3	98%(216/220)	100%(7/7)
		1533	5	1	98%(216/220)	100%(7/7)
		729	7	1	98%(206/210)	100%(8/8)
		883	3	2	98%(215/220)	100%(6/6)
		1261	10	1	98%(210/215)	100%(8/8)
		2185	10	1	97%(209/215)	88%(7/8)
		2452	12	1	96%(211/220)	100%(6/6)
		154	2	1	95%(198/208)	100%(6/6)
1185	98.0	1560	4	29	99%(305/307)	100%(2/2)
1186	98.2	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(1/1)
		1804	7	160	98%(120/122)	100%(1/1)
1187	97.2	2679s	2	92	99%(98/99)	100%(2/2)
		011	16	3	98%(262/268)	80%(4/5)
		262	1	1	98%(385/395)	100%(6/6)
1188	97.5	1804	2	99	99%(121/122)	100%(2/2)
		283	1	1	99%(160/162)	100%(2/2)
		370	8	42	98%(124/127)	100%(3/3)
1189	99.2	Kr				
1190	97.7	2307	2	72	100%(194/195)	100%(2/2)
		1039	4	5	99%(391/395)	100%(6/6)
		1063	3	6	99%(391/395)	100%(7/7)
		2135	3	5	99%(391/395)	100%(7/7)
		2908	2	37	99%(89/90)	100%(3/3)
		444	3	3	99%(389/395)	100%(6/6)
		988	2	3	99%(389/395)	100%(7/7)
		1540	2	2	99%(325/330)	100%(7/7)
		370	4	18	98%(125/127)	100%(3/3)
		1409	3	2	98%(387/395)	100%(7/7)
1191	98.2	416	1	226	100%(76/76)	100%(1/1)
		475	5	5	99%(350/352)	100%(5/5)
		179	6	86	99%(247/249)	100%(2/2)
		711	5	109	99%(219/221)	100%(2/2)
		198	5	12	99%(391/395)	100%(4/4)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		364	5	4	99%(390/395)	100%(4/4)
		766	4	162	99%(143/145)	100%(2/2)
		2695	5	1	99%(389/395)	100%(4/4)
1192	98.2	416	1	226	100%(76/76)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		22	5	4	99%(389/395)	100%(5/5)
		1143	3	21	99%(194/197)	100%(1/1)
		1804	7	160	98%(120/122)	100%(1/1)
1193	97.5	416	1	226	100%(76/76)	100%(1/1)
		1804	3	3	99%(121/122)	67%(2/3)
		2514	2	3	99%(392/395)	100%(9/9)
		2215	4	2	99%(390/394)	100%(7/7)
		247	3	2	99%(390/395)	100%(8/8)
		2118	3	2	99%(390/395)	100%(8/8)
		1678	1	1	99%(389/395)	100%(8/8)
		76	5	1	98%(387/395)	100%(6/6)
		786	11	2	98%(386/395)	86%(6/7)
		370	8	42	98%(124/127)	100%(3/3)
1194	97.2	10	1	1	100%(393/395)	100%(9/9)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1091	3	1	99%(390/395)	100%(7/7)
		895	2	1	98%(385/395)	100%(7/7)
1195	95.9	2145	1	1	98%(388/395)	92%(12/13)
		776	8	1	97%(383/394)	89%(8/9)
		1455	6	2	97%(383/395)	100%(9/9)
		087	1	5	96%(50/52)	100%(3/3)
1196	97.5	573	2	121	99%(147/148)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2649	8	93	98%(143/146)	100%(1/1)
		1233	6	1	98%(384/393)	83%(5/6)
1197	98.0	416	1	226	100%(76/76)	100%(1/1)
		179	2	23	100%(248/249)	100%(3/3)
		766	2	54	99%(144/145)	100%(2/2)
		1073	3	8	99%(392/395)	100%(6/6)
		1693	2	1	99%(392/395)	100%(7/7)
		1804	2	99	99%(121/122)	100%(2/2)
		1790	3	5	99%(391/395)	100%(6/6)
		2386	3	5	99%(390/394)	100%(6/6)
		2679s	2	92	99%(98/99)	100%(2/2)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		396	3	5	99%(389/395)	100%(5/5)
		2370	2	1	99%(389/395)	100%(5/5)
		165	3	2	98%(378/385)	100%(5/5)
		266	3	1	98%(388/395)	86%(6/7)
1198	98.2	484	1	3	100%(391/392)	100%(6/6)
		390	2	10	100%(390/392)	100%(5/5)
		483	2	3	100%(390/392)	100%(6/6)

Ms	MT	OMs	C	N	Overall	non-MT
		666s	2	1	100%(390/392)	86%(6/7)
		74	3	2	99%(388/391)	100%(6/6)
		2266	3	8	99%(389/392)	100%(5/5)
		89	3	6	99%(388/392)	100%(5/5)
		2645	3	3	99%(388/392)	100%(5/5)
		2749	3	3	99%(388/392)	80%(4/5)
		90	2	2	99%(387/392)	100%(5/5)
1199	98.5	246	2	83	100%(197/198)	100%(2/2)
		1633	2	77	100%(202/203)	100%(2/2)
1200s	96.2	2679s	1	22	100%(99/99)	100%(3/3)
		724	17	1	97%(382/393)	100%(7/7)
		2758s	15	1	97%(382/393)	100%(7/7)
		296	16	1	97%(380/393)	100%(7/7)
1201	98.2	711	5	109	99%(219/221)	100%(2/2)
		1238	7	28	99%(391/395)	100%(4/4)
		1538	6	1	99%(391/395)	80%(4/5)
		2181	7	1	99%(391/395)	80%(4/5)
		779	2	79	99%(84/85)	100%(1/1)
		1418	5	7	99%(390/395)	100%(4/4)
		2172	9	16	99%(390/395)	100%(4/4)
		766	4	162	99%(143/145)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		748	6	64	98%(178/181)	100%(2/2)
1202	97.2	1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		498	4	2	99%(389/395)	100%(6/6)
		1615	5	2	99%(388/394)	100%(6/6)
		1024	4	1	98%(387/394)	86%(6/7)
		1126	3	1	98%(387/394)	100%(7/7)
		2649	8	93	98%(143/146)	100%(2/2)
		1553	4	1	97%(381/391)	100%(6/6)
1203	97.0	416	1	226	100%(76/76)	100%(1/1)
		1804	2	99	99%(121/122)	100%(3/3)
		370	10	6	98%(124/127)	75%(3/4)
		2514	8	3	98%(385/395)	86%(6/7)
1204	96.7	779	2	79	99%(83/84)	100%(1/1)
		292	21	1	97%(376/388)	71%(5/7)
1205	98.7	416	1	226	100%(76/76)	100%(1/1)
		1712	1	129	100%(191/191)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		7	2	2	100%(393/395)	100%(5/5)
		399	3	13	100%(393/395)	100%(3/3)
		1494	3	2	100%(393/395)	100%(4/4)
		2307	2	72	100%(194/195)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
		2907	2	5	99%(296/298)	100%(3/3)
		1225	3	3	99%(392/395)	100%(4/4)
		1341	3	8	99%(392/395)	100%(4/4)
		2555	3	2	99%(392/395)	100%(5/5)
		584	1	3	99%(391/395)	100%(5/5)

Ms	MT	OMs	C	N	Overall	non-MT
		1229	2	1	99%(391/395)	75%(3/4)
		1285	3	1	99%(390/394)	75%(3/4)
		1521	3	2	99%(391/395)	100%(3/3)
		2354	3	6	99%(391/395)	100%(3/3)
		2549	3	1	99%(391/395)	75%(3/4)
		2679s	2	92	99%(98/99)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
1207	98.6	200	1	1	100%(368/369)	100%(5/5)
		944	1	2	100%(368/369)	100%(4/4)
		941	1	2	100%(367/369)	100%(4/4)
		1324	1	1	100%(367/369)	100%(4/4)
		1444	2	1	100%(367/369)	100%(4/4)
		11	1	1	99%(366/369)	100%(5/5)
		2200	4	5	99%(366/369)	100%(3/3)
		2521	1	2	99%(366/369)	100%(3/3)
		73	1	1	99%(365/369)	100%(5/5)
		112	2	1	99%(365/369)	100%(5/5)
1208	97.7	no close relatives				
1209	98.0	771	1	13	100%(208/208)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		794	1	1	99%(389/395)	83%(5/6)
		1510	6	1	99%(388/394)	80%(4/5)
1210	97.5	22	1	2	99%(392/395)	100%(8/8)
		2679s	2	92	99%(98/99)	100%(2/2)
		134	4	5	99%(389/395)	100%(7/7)
		286	8	1	99%(385/391)	100%(6/6)
		1266	10	6	99%(389/395)	100%(6/6)
		343	9	1	98%(388/395)	83%(5/6)
		1800	7	4	98%(388/395)	100%(6/6)
		011	10	16	98%(263/268)	100%(4/4)
		500	4	14	98%(258/263)	100%(3/3)
		351	4	3	98%(387/395)	100%(7/7)
1211	98.0	573	2	121	99%(147/148)	100%(2/2)
		2649	2	17	99%(145/146)	100%(3/3)
		274	9	39	99%(246/249)	100%(2/2)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		358	6	12	99%(390/395)	100%(5/5)
		360	6	13	99%(390/395)	100%(5/5)
		1077	8	10	99%(387/393)	100%(5/5)
		1373	6	3	99%(389/395)	100%(5/5)
		1214	5	1	98%(388/395)	100%(6/6)
1212	97.2	2782	2	100	99%(127/128)	100%(2/2)
		779	2	79	99%(84/85)	100%(1/1)
		1804	7	160	98%(120/122)	100%(3/3)
		031s	8	6	98%(386/393)	100%(7/7)
		11	6	1	98%(387/395)	100%(6/6)
		1012	8	8	98%(387/395)	100%(6/6)
		2679s	8	83	98%(97/99)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		73	9	1	98%(386/395)	100%(7/7)
		165	9	2	98%(376/385)	83%(5/6)
		528	7	6	98%(385/395)	100%(6/6)
1213	97.2	446	1	1	100%(394/395)	100%(10/10)
		2813	1	1	100%(371/372)	100%(10/10)
		2679s	2	92	99%(98/99)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		449	23	13	98%(387/395)	100%(6/6)
		904	7	25	98%(194/198)	100%(2/2)
		2245	20	3	98%(387/395)	100%(6/6)
		2750	8	1	98%(384/392)	100%(6/6)
		117	17	1	98%(385/395)	71%(5/7)
1214	97.2	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		573	2	121	99%(147/148)	100%(2/2)
		2247	2	1	99%(391/395)	100%(10/10)
		274	9	39	99%(246/249)	100%(2/2)
		1211	5	1	98%(388/395)	100%(6/6)
		2649	8	93	98%(143/146)	100%(2/2)
		1090	20	4	98%(384/394)	100%(6/6)
1215	96.2	2679s	2	92	99%(98/99)	100%(2/2)
		2897	2	2	99%(391/395)	100%(12/12)
		2283	5	2	99%(389/395)	100%(10/10)
		46	6	3	98%(386/394)	100%(10/10)
		2605	2	3	98%(387/395)	100%(12/12)
		2908	6	47	98%(88/90)	100%(3/3)
		54	3	3	98%(386/395)	100%(10/10)
		1498	4	1	98%(386/395)	90%(9/10)
		519	5	1	97%(382/395)	89%(8/9)
		494	6	1	97%(381/395)	78%(7/9)
1216	98.0	416	1	226	100%(76/76)	100%(1/1)
		1279	1	1	99%(391/395)	100%(6/6)
		1564	8	12	98%(374/380)	100%(3/3)
		1804	7	160	98%(120/122)	100%(2/2)
		152	3	1	98%(388/395)	100%(7/7)
		184	2	1	98%(387/394)	100%(7/7)
		1447	1	1	98%(388/395)	100%(5/5)
		1528	1	1	98%(388/395)	100%(7/7)
		2174	3	1	98%(388/395)	100%(6/6)
1217	97.0	1436	1	2	99%(391/395)	100%(9/9)
		790	2	1	99%(389/395)	100%(9/9)
		1387s	6	5	99%(388/394)	100%(8/8)
		1804	7	160	98%(120/122)	100%(2/2)
		811	6	4	98%(388/395)	100%(7/7)
		2590	6	4	98%(387/395)	100%(7/7)
		1171	2	1	98%(386/395)	86%(6/7)
		743	3	1	97%(378/389)	100%(8/8)
		755	6	1	97%(384/395)	86%(6/7)
		949	6	1	97%(371/382)	86%(6/7)
1218	98.2	2550	1	1	99%(392/395)	100%(5/5)



Ms	MT	OMs	C	N	Overall	non-MT
		122	4	19	99%(391/395)	100%(4/4)
		1347	6	7	99%(391/395)	100%(5/5)
		2679s	2	92	99%(98/99)	100%(2/2)
		1037	6	3	99%(390/395)	100%(5/5)
		2555	6	10	99%(390/395)	100%(5/5)
		2860	6	8	99%(390/395)	100%(5/5)
		2907	8	39	99%(294/298)	100%(2/2)
		021	5	3	99%(388/394)	100%(4/4)
		808	3	5	99%(389/395)	100%(5/5)
1219	96.2	2902	1	2	100%(394/395)	100%(14/14)
		489	1	1	100%(393/395)	100%(14/14)
		1079	2	1	100%(393/395)	100%(14/14)
		041	2	3	99%(392/395)	100%(12/12)
		699	2	2	99%(392/395)	100%(13/13)
		114	2	3	99%(391/395)	100%(13/13)
		2193	2	3	99%(391/395)	100%(11/11)
		389	1	1	99%(388/394)	80%(12/15)
		2463	2	1	98%(388/395)	100%(11/11)
		1816	2	2	98%(387/395)	100%(11/11)
		581	3	3	98%(385/395)	92%(11/12)
		2404	2	5	98%(385/395)	100%(12/12)
		2411	1	1	97%(366/376)	85%(11/13)
		2372	3	1	97%(272/282)	80%(4/5)
1220	96.2	1666	4	1	97%(384/395)	90%(9/10)
		2661	2	1	97%(382/395)	82%(9/11)
		1342	3	1	97%(381/395)	80%(8/10)
1222	98.2	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		573	2	121	99%(147/148)	100%(2/2)
		750	4	1	99%(390/395)	100%(5/5)
		185	4	1	99%(389/395)	100%(5/5)
1223	97.2	416	1	226	100%(76/76)	100%(1/1)
		1804	2	99	99%(121/122)	100%(2/2)
		265	3	1	99%(390/394)	89%(8/9)
		654	2	1	99%(388/392)	100%(7/7)
		2685	2	1	99%(390/394)	100%(8/8)
		787	10	1	98%(386/394)	88%(7/8)
		2193	11	1	98%(386/394)	86%(6/7)
		2615	1	1	98%(386/394)	100%(8/8)
		2238	6	1	98%(379/387)	86%(6/7)
		585	9	7	98%(384/394)	100%(6/6)
1224	99.5	Kr				
1225	98.5	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		2354	2	2	99%(392/395)	100%(4/4)
		286	4	1	99%(387/391)	100%(5/5)
		2679s	2	92	99%(98/99)	100%(2/2)
		011	2	11	99%(265/268)	100%(4/4)
		1343	2	233	99%(83/84)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		2634	2	234	99%(82/83)	100%(1/1)
		1229	3	2	99%(390/395)	75%(3/4)
1226	98.2	416	1	226	100%(76/76)	100%(1/1)
		711	2	25	100%(220/221)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		2637	5	11	99%(391/395)	100%(5/5)
		2679s	2	92	99%(98/99)	100%(3/3)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2136	5	6	99%(390/395)	100%(4/4)
1227	98.5	no close relatives				
1228	97.0	396	1	4	99%(391/395)	100%(8/8)
		2442	12	19	98%(337/343)	100%(6/6)
		011	12	4	98%(263/268)	80%(4/5)
		2679s	8	83	98%(97/99)	100%(2/2)
		649	5	24	98%(87/89)	100%(1/1)
		370	8	42	98%(124/127)	100%(3/3)
		109	10	2	97%(384/395)	86%(6/7)
		527	19	1	97%(384/395)	86%(6/7)
		677	3	2	97%(383/394)	88%(7/8)
1229	98.5	1205	9	4	99%(391/395)	75%(3/4)
		2549	1	1	99%(391/395)	100%(4/4)
		1225	10	6	99%(390/395)	75%(3/4)
		1341	11	3	99%(390/395)	75%(3/4)
1230	97.7	no close relatives				
1232	98.5	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		2307	2	72	100%(194/195)	100%(1/1)
		2177	1	22	99%(158/159)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		1338	2	1	99%(390/393)	100%(4/4)
		190	5	4	99%(391/395)	100%(4/4)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(1/1)
1233	97.5	573	2	121	99%(147/148)	100%(2/2)
		1468	3	3	99%(391/395)	100%(6/6)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		1605	4	1	99%(389/395)	100%(6/6)
		2649	8	93	98%(143/146)	100%(2/2)
		1196	4	1	98%(384/393)	83%(5/6)
1234	99.0	246	1	124	100%(198/198)	100%(2/2)
		1633	1	119	100%(203/203)	100%(2/2)
		962	2	67	100%(392/393)	100%(3/3)
		1132	2	67	100%(394/395)	100%(3/3)
		1617	2	67	100%(394/395)	100%(3/3)
		2636	2	67	100%(375/376)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		1062	3	4	100%(393/395)	100%(3/3)
		1421	5	1	99%(345/348)	67%(2/3)
1235	98.7	100	2	4	100%(394/395)	100%(4/4)
		1164	2	4	100%(394/395)	100%(4/4)
		1340	2	4	100%(391/392)	100%(4/4)
		371	2	3	100%(393/395)	100%(4/4)
		597	2	3	100%(393/395)	100%(4/4)
		2346	2	3	100%(393/395)	100%(4/4)
		291	2	5	99%(392/395)	100%(3/3)
		1056	2	5	99%(392/395)	100%(4/4)
		1423	2	4	99%(392/395)	100%(4/4)
		1510	2	5	99%(390/394)	100%(4/4)
1236	97.7	189	1	1	100%(393/395)	100%(7/7)
		825	2	1	99%(389/395)	100%(6/6)
		1625	1	1	98%(372/379)	83%(5/6)
1237	98.2	771	1	13	100%(208/208)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		1901	1	1	99%(391/394)	100%(6/6)
		2779	6	6	99%(269/272)	100%(3/3)
		491	5	2	99%(385/391)	100%(5/5)
1238	98.7	416	1	226	100%(76/76)	100%(1/1)
		1452	2	1	100%(394/395)	100%(4/4)
		2181	2	1	100%(394/395)	100%(5/5)
		179	2	23	100%(248/249)	100%(2/2)
		367	1	11	100%(393/395)	100%(3/3)
		711	2	25	100%(220/221)	100%(2/2)
		1459	3	13	100%(393/395)	100%(3/3)
		766	2	54	99%(144/145)	100%(2/2)
		153	3	3	99%(392/395)	100%(4/4)
		1141	3	4	99%(392/395)	100%(3/3)
		1163	3	7	99%(392/395)	100%(4/4)
		1300	3	17	99%(392/395)	100%(3/3)
		1418	1	1	99%(392/395)	100%(4/4)
		1804	2	99	99%(121/122)	100%(2/2)
		021	2	1	99%(390/394)	100%(4/4)
		263	1	3	99%(391/395)	100%(4/4)
		783	1	2	99%(391/395)	100%(5/5)
		1201	2	1	99%(391/395)	100%(4/4)
		2142	2	4	99%(391/395)	100%(3/3)
		2679s	2	92	99%(98/99)	100%(2/2)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
1239	96.5	2679s	2	92	99%(98/99)	100%(3/3)
		289	11	7	98%(386/395)	100%(8/8)
		1644	9	3	97%(383/395)	100%(8/8)
		2290s	16	1	97%(364/376)	100%(7/7)
1240	98.2	2451	2	1	100%(393/395)	83%(5/6)
		2782	2	100	99%(127/128)	100%(2/2)
		355	2	1	99%(391/395)	100%(6/6)

Ms	MT	OMs	C	N	Overall	non-MT
		409	2	2	99%(391/395)	100%(4/4)
		144s	4	6	99%(390/395)	100%(4/4)
		1416	1	1	99%(390/395)	100%(4/4)
		1438	3	2	99%(390/395)	100%(4/4)
		661	3	8	99%(389/395)	100%(4/4)
		2499	4	1	99%(389/395)	71%(5/7)
		2586	4	1	99%(388/394)	80%(4/5)
1241	96.7	no close relatives				
1242	95.4	1804	2	99	99%(121/122)	100%(2/2)
1243	96.2	2679s	8	83	98%(97/99)	100%(2/2)
		977	2	2	98%(384/394)	90%(9/10)
		1528	3	6	98%(384/394)	100%(9/9)
		1579	1	2	98%(384/394)	100%(10/10)
		152	9	2	97%(382/394)	100%(8/8)
		555	8	1	96%(380/394)	100%(8/8)
1247	99.5	Kr				
1248	98.5	1421	7	13	99%(344/348)	100%(2/2)
1250	97.9	no close relatives				
1251	99.5	Kr				
1252	96.7	684	1	1	100%(393/395)	100%(13/13)
		834	1	2	99%(392/395)	100%(13/13)
		727	3	2	99%(390/394)	100%(11/11)
		736	1	1	99%(386/390)	100%(9/9)
		749	3	2	99%(390/394)	100%(12/12)
		1261	1	2	99%(386/390)	100%(13/13)
		729	1	3	99%(370/374)	100%(13/13)
		1536	2	2	99%(389/395)	92%(11/12)
		820	2	1	98%(386/393)	89%(8/9)
		883	2	1	98%(388/395)	100%(10/10)
		1182	2	3	98%(216/220)	100%(7/7)
		2185	2	2	98%(374/381)	91%(10/11)
		2452	3	1	97%(339/349)	100%(9/9)
1256	96.2	303	2	3	97%(375/385)	100%(9/9)
		180	4	1	97%(382/395)	100%(8/8)
1261	95.6	684	3	3	99%(386/390)	100%(14/14)
		1252	3	4	99%(386/390)	100%(13/13)
		834	2	4	99%(385/390)	100%(14/14)
		729	6	1	99%(364/369)	100%(14/14)
		727	6	2	99%(383/389)	100%(12/12)
		749	6	2	99%(383/389)	100%(13/13)
		1533	7	1	98%(382/390)	92%(12/13)
		1536	7	1	98%(382/390)	92%(12/13)
		2908	6	47	98%(88/90)	100%(2/2)
		1182	4	3	98%(210/215)	100%(8/8)
1262	95.4	370	1	6	100%(127/127)	100%(5/5)
		856	2	2	99%(391/395)	100%(15/15)
		1043	5	1	99%(389/395)	100%(14/14)
		889	2	1	98%(388/395)	94%(15/16)
		881	5	1	98%(386/394)	100%(12/12)
		772	2	1	97%(329/340)	100%(15/15)

Ms	MT	OMs	C	N	Overall	non-MT
		315	21	3	97%(382/395)	100%(11/11)
		523	12	1	96%(379/394)	90%(9/10)
		2470	33	1	96%(342/356)	90%(9/10)
		817	19	1	96%(378/395)	100%(10/10)
1263	95.2	878	3	1	97%(379/392)	100%(13/13)
		874	5	1	96%(378/392)	100%(10/10)
1265	97.0	862	5	1	99%(390/395)	100%(8/8)
		1707	5	1	99%(389/395)	100%(8/8)
		734	2	2	98%(387/394)	100%(9/9)
		858	4	2	98%(388/395)	90%(9/10)
		1302	3	1	98%(388/395)	100%(9/9)
		2573	4	2	98%(388/395)	100%(7/7)
		1387	4	1	98%(387/395)	89%(8/9)
		392	5	1	98%(386/395)	100%(8/8)
		523	1	1	98%(384/394)	100%(9/9)
		303	2	3	97%(375/385)	100%(8/8)
1266	98.0	1672	2	4	100%(393/395)	100%(6/6)
		777	2	4	99%(392/395)	100%(6/6)
		2782	2	100	99%(127/128)	100%(2/2)
		1083	5	1	99%(391/395)	86%(6/7)
		1341	5	21	99%(391/395)	100%(5/5)
		779	2	79	99%(84/85)	100%(1/1)
		011	5	15	99%(264/268)	100%(4/4)
		1210	4	3	99%(389/395)	100%(6/6)
		2465	5	1	99%(389/395)	100%(6/6)
		500	4	14	98%(258/263)	100%(3/3)
1267	95.7	729	23	1	96%(359/374)	80%(8/10)
1268	94.7	352	9	2	98%(384/394)	93%(13/14)
		782	10	2	97%(384/395)	88%(14/16)
		2252	10	1	97%(383/394)	93%(14/15)
		2397	9	1	97%(383/395)	82%(14/17)
		2728	9	1	97%(383/395)	87%(13/15)
		1006	10	1	97%(382/395)	87%(13/15)
		974	9	1	97%(375/388)	81%(13/16)
		1001	8	1	97%(381/395)	82%(14/17)
		299	9	1	96%(379/395)	83%(10/12)
		574	9	1	96%(379/395)	83%(10/12)
1269	94.1	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
1272	95.7	489	7	1	98%(387/395)	100%(12/12)
		1627	3	1	98%(387/395)	93%(13/14)
		1690	6	1	98%(387/395)	92%(11/12)
		1699	6	4	98%(387/395)	100%(10/10)
		2902	12	5	98%(386/395)	100%(11/11)
		114	8	4	98%(385/395)	100%(11/11)
		581	5	1	97%(384/395)	100%(12/12)
		2463	7	2	97%(384/395)	100%(10/10)
		389	10	1	97%(382/394)	92%(11/12)
		2404	4	1	97%(383/395)	100%(12/12)
1273	95.1	1009	2	1	95%(343/360)	100%(9/9)

Ms	MT	OMs	C	N	Overall	non-MT
1278	98.2	924	2	1	99%(390/395)	100%(4/4)
1279	98.0	1216	2	1	99%(391/395)	100%(6/6)
1280	98.2	1400	1	119	100%(211/211)	100%(1/1)
		240	3	14	100%(393/395)	100%(5/5)
		246	2	83	100%(197/198)	100%(2/2)
		730	3	17	100%(387/389)	100%(4/4)
		1031	2	12	100%(393/395)	100%(5/5)
		1633	2	77	100%(202/203)	100%(2/2)
		2101	3	7	99%(389/392)	100%(5/5)
		2782	2	100	99%(127/128)	100%(1/1)
		305	3	5	99%(386/390)	100%(5/5)
		196	3	3	99%(390/395)	100%(5/5)
		379	3	1	99%(390/395)	100%(6/6)
		1670	3	1	99%(390/395)	100%(4/4)
		2590	2	1	99%(390/395)	100%(6/6)
		1315	3	2	99%(389/395)	100%(5/5)
1285	98.5	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		1205	9	4	99%(390/394)	75%(3/4)
		2907	5	3	99%(295/298)	67%(2/3)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		568	7	10	99%(389/394)	100%(3/3)
		1225	10	6	99%(389/394)	75%(3/4)
		766	4	162	99%(143/145)	100%(1/1)
1288	96.5	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		2908	10	1	97%(71/73)	100%(1/1)
1289	95.7	1143	3	21	99%(194/197)	100%(2/2)
		968	2	1	96%(379/394)	91%(10/11)
		2528	4	1	96%(379/395)	85%(11/13)
1290	98.7	1594	2	1	100%(394/395)	100%(5/5)
		1787	2	1	100%(394/395)	100%(5/5)
		367	1	11	100%(393/395)	100%(3/3)
		390	2	10	100%(393/395)	100%(4/4)
		771	2	82	100%(207/208)	100%(1/1)
		2099	1	15	100%(393/395)	100%(3/3)
		2641	1	5	100%(393/395)	100%(4/4)
		234	1	1	99%(392/395)	100%(4/4)
		484	3	6	99%(392/395)	100%(4/4)
		1391	1	1	99%(392/395)	100%(5/5)
		2266	3	8	99%(392/395)	100%(4/4)
		89	3	6	99%(391/395)	100%(4/4)
		502	3	4	99%(391/395)	100%(4/4)
		1316	2	1	99%(391/395)	100%(3/3)
		1318	3	5	99%(391/395)	100%(3/3)
		1635	3	5	99%(391/395)	100%(3/3)
		779	2	79	99%(84/85)	100%(1/1)
1291	96.5	no close relatives				

Ms	MT	OMs	C	N	Overall	non-MT
1292	99.0	105	2	1	100%(393/395)	67%(2/3)
		771	2	82	100%(207/208)	100%(1/1)
		1300	2	12	100%(393/395)	100%(3/3)
		1452	4	9	100%(393/395)	100%(3/3)
		926	5	20	99%(294/296)	100%(1/1)
		55	4	6	99%(387/390)	100%(3/3)
		719	5	1	99%(388/391)	75%(3/4)
		1141	4	1	99%(392/395)	67%(2/3)
		1347	3	4	99%(392/395)	100%(4/4)
		2765	2	2	99%(392/395)	100%(4/4)
1293	96.8	frag				
1294	96.5	1436	4	4	98%(387/395)	100%(8/8)
		519	3	2	97%(383/395)	89%(8/9)
		2658	8	1	97%(383/395)	60%(6/10)
		370	15	24	97%(123/127)	100%(2/2)
		1326	1	1	97%(382/395)	88%(7/8)
1295	98.2	1341	1	4	100%(394/395)	100%(6/6)
		461	2	5	100%(393/395)	100%(5/5)
		765	2	2	100%(393/395)	100%(6/6)
		2907	2	5	99%(296/298)	100%(4/4)
		07	3	3	99%(392/395)	100%(5/5)
		2	2	3	99%(392/395)	100%(6/6)
		21	3	3	99%(391/394)	100%(5/5)
		2297	3	3	99%(392/395)	100%(5/5)
		343	2	1	99%(391/395)	83%(5/6)
		2679s	2	92	99%(98/99)	100%(2/2)
		134	3	3	99%(390/395)	100%(6/6)
		1470	3	4	99%(390/395)	100%(4/4)
		281	2	2	99%(389/395)	100%(6/6)
		584	3	5	99%(389/395)	100%(5/5)
1296	98.7	509	1	1	99%(392/395)	100%(4/4)
		260	2	1	99%(391/395)	100%(3/3)
1297	97.5	416	1	226	100%(76/76)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		533	7	6	99%(390/395)	100%(6/6)
		1804	7	160	98%(120/122)	100%(2/2)
		1665	7	1	98%(387/395)	83%(5/6)
		2750	10	1	98%(383/392)	83%(5/6)
1298	98.2	2782	2	100	99%(127/128)	100%(1/1)
		779	2	79	99%(84/85)	100%(1/1)
		2804	2	1	99%(389/395)	100%(4/4)
1299	97.0	779	2	79	99%(84/85)	100%(2/2)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		1804	7	160	98%(120/122)	100%(3/3)
		1012	7	1	98%(388/395)	75%(6/8)
		2649	8	93	98%(143/146)	100%(3/3)
1300	99.0	926	2	4	100%(295/296)	100%(2/2)
		1408	1	2	100%(394/395)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		380	2	7	100%(393/395)	100%(3/3)
		719	3	1	100%(389/391)	100%(4/4)
		771	2	82	100%(207/208)	100%(1/1)
		999	2	7	100%(393/395)	100%(3/3)
		1076	2	7	100%(393/395)	100%(3/3)
		1163	2	6	100%(393/395)	100%(4/4)
		1292	1	3	100%(393/395)	100%(3/3)
		1450	2	7	100%(393/395)	100%(3/3)
		2173	2	6	100%(393/395)	100%(4/4)
		013	2	10	99%(236/238)	100%(3/3)
		122	2	3	99%(392/395)	100%(3/3)
		202	3	9	99%(392/395)	100%(3/3)
		261	3	9	99%(392/395)	100%(3/3)
		461	3	18	99%(392/395)	100%(3/3)
		682	2	2	99%(390/393)	100%(3/3)
		899	2	1	99%(392/395)	100%(3/3)
		900	3	9	99%(392/395)	100%(3/3)
		1078	2	10	99%(392/395)	100%(3/3)
		1121	3	7	99%(392/395)	100%(3/3)
		1347	3	4	99%(392/395)	100%(4/4)
		2224	2	8	99%(392/395)	100%(3/3)
		2637	3	12	99%(392/395)	100%(4/4)
		2782	2	100	99%(127/128)	100%(2/2)
1301	95.4	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		011s	1	1	96%(126/131)	75%(3/4)
1302	96.7	1707	4	4	99%(390/395)	100%(9/9)
		862	6	5	99%(389/395)	100%(8/8)
		736	5	1	98%(383/390)	88%(7/8)
		1265	4	4	98%(388/395)	100%(9/9)
		734	4	3	98%(386/394)	100%(9/9)
		2573	5	7	98%(387/395)	100%(7/7)
		2908	6	47	98%(88/90)	100%(2/2)
		993	4	3	98%(383/392)	100%(8/8)
		523	2	2	97%(383/394)	100%(9/9)
		303	4	4	97%(374/385)	100%(8/8)
1303	95.9	2679s	1	22	100%(99/99)	100%(3/3)
		724	8	1	98%(388/395)	91%(10/11)
		2758s	7	1	98%(388/395)	91%(10/11)
		2290s	6	1	98%(369/376)	82%(9/11)
		296	10	1	98%(387/395)	83%(10/12)
		1802	1	3	98%(387/395)	100%(12/12)
		2737	14	1	98%(385/395)	89%(8/9)
		1017	12	2	97%(384/395)	89%(8/9)
		2708	6	2	97%(383/394)	91%(10/11)
		525	6	1	97%(382/395)	91%(10/11)
1305	99.2	246	2	83	100%(197/198)	100%(1/1)
		769	3	76	100%(393/395)	100%(2/2)
		1445	3	76	100%(393/395)	100%(2/2)
		1633	2	77	100%(202/203)	100%(1/1)



Ms	MT	OMs	C	N	Overall	non-MT
		2099	1	15	100%(393/395)	100%(2/2)
		2255	3	76	100%(393/395)	100%(2/2)
		2389	2	14	100%(387/389)	100%(2/2)
1306	97.6	1699	3	1	99%(364/369)	86%(6/7)
		546	3	1	99%(197/200)	100%(1/1)
		041	7	1	98%(363/369)	86%(6/7)
		1690	3	1	98%(363/369)	88%(7/8)
		2902	5	1	98%(363/369)	88%(7/8)
		585	6	1	98%(362/369)	100%(6/6)
		1079	6	1	98%(362/369)	88%(7/8)
		2463	3	1	98%(362/369)	86%(6/7)
		522	6	1	98%(361/369)	100%(5/5)
		1627	4	1	98%(361/369)	89%(8/9)
1309	97.5	370	11	11	98%(124/127)	67%(2/3)
1310	98.2	416	1	226	100%(76/76)	100%(1/1)
		2782	2	100	99%(127/128)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
1312	96.7	1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2649	5	93	99%(144/146)	100%(2/2)
		137	6	1	99%(389/395)	89%(8/9)
		534	6	1	98%(370/379)	75%(6/8)
		370	16	5	97%(123/127)	75%(3/4)
1313	96.5	2193	7	5	98%(388/395)	100%(9/9)
		017	5	3	98%(387/395)	88%(7/8)
		041	10	5	98%(387/395)	100%(9/9)
		2902	9	3	98%(387/395)	100%(10/10)
		649	5	24	98%(87/89)	100%(1/1)
		1079	10	3	98%(386/395)	100%(10/10)
		1219	11	2	98%(386/395)	100%(10/10)
		1816	5	1	98%(385/395)	90%(9/10)
		114	10	3	97%(384/395)	100%(9/9)
		482	8	2	97%(382/395)	78%(7/9)
1314	97.5	1542	2	1	99%(388/393)	89%(8/9)
1315	97.7	2782	2	100	99%(127/128)	100%(1/1)
		2779	6	6	99%(269/272)	100%(3/3)
		811	4	2	99%(389/395)	100%(6/6)
		1280	12	5	99%(389/395)	100%(5/5)
		1396	6	2	98%(387/395)	83%(5/6)
		2649	8	93	98%(143/146)	100%(2/2)
		2908	6	47	98%(88/90)	100%(1/1)
1316	98.7	45	2	1	100%(389/391)	100%(4/4)
		1290	5	15	99%(391/395)	100%(3/3)
1317	97.0	no close relatives				
1318	98.7	2099	1	15	100%(393/395)	100%(3/3)
		2266	3	8	99%(392/395)	100%(4/4)
		390	7	5	99%(391/395)	100%(3/3)
		1290	5	15	99%(391/395)	100%(3/3)
		1635	3	5	99%(391/395)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		2511	4	9	99%(391/395)	100%(3/3)
		2641	5	8	99%(391/395)	100%(3/3)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
1319	94.7	475s	1	2	100%(44/44)	100%(4/4)
		27s	2	1	98%(365/371)	100%(17/17)
1320	99.5	2701	1	1	100%(395/395)	100%(2/2)
1321	93.2	1071	2	1	96%(378/395)	84%(16/19)
		213	4	1	95%(377/395)	96%(21/22)
		1006	18	1	95%(377/395)	71%(12/17)
		33	3	1	95%(370/389)	70%(14/20)
		974	18	1	95%(368/388)	65%(11/17)
		033	5	1	95%(374/395)	95%(20/21)
		2517	8	1	95%(123/130)	88%(7/8)
		865	4	1	94%(372/395)	95%(20/21)
		019	5	1	94%(370/395)	91%(19/21)
		04	5	1	93%(307/329)	87%(13/15)
1322	99.2	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		2307	2	72	100%(194/195)	100%(1/1)
		2666	4	8	100%(393/395)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
1323	99.0	246	1	124	100%(198/198)	100%(2/2)
		1633	1	119	100%(203/203)	100%(2/2)
		1712	1	129	100%(191/191)	100%(1/1)
		361	2	73	100%(394/395)	100%(3/3)
		1165	2	73	100%(394/395)	100%(3/3)
		2460	2	73	100%(394/395)	100%(3/3)
		415	3	9	100%(393/395)	100%(3/3)
		1462	3	7	100%(393/395)	100%(3/3)
		1476	3	8	100%(393/395)	100%(3/3)
		1599	3	68	100%(389/391)	100%(2/2)
		1634	3	7	100%(393/395)	100%(3/3)
		2444	3	9	100%(393/395)	100%(3/3)
1324	98.2	1207	2	3	100%(367/369)	100%(4/4)
		944	2	3	99%(392/395)	100%(5/5)
		200	4	4	99%(391/395)	100%(5/5)
		1444	3	3	99%(391/395)	100%(5/5)
		11	4	4	99%(389/395)	100%(5/5)
		2371	5	6	99%(389/395)	100%(4/4)
1325	96.5	2679s	2	92	99%(98/99)	100%(3/3)
1326	96.5	1294	5	1	97%(382/395)	88%(7/8)
1327	98.1	649	2	2	99%(88/89)	100%(2/2)
1328	99.2	Kr				
1329	98.7	246	1	124	100%(198/198)	100%(2/2)
		1633	1	119	100%(203/203)	100%(2/2)
		361	4	71	100%(393/395)	100%(3/3)
		1165	4	71	100%(393/395)	100%(3/3)
		1501	3	67	100%(393/395)	100%(3/3)
		2460	4	71	100%(393/395)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		1119	4	32	99%(276/278)	100%(3/3)
		415	5	6	99%(392/395)	100%(3/3)
		1323	5	6	99%(392/395)	100%(3/3)
		1348	1	1	99%(391/394)	100%(4/4)
1331	98.0	2426	1	1	99%(389/395)	100%(5/5)
1333	97.2	no close relatives				
1334	99.5	Kr				
1335	94.4	no close relatives				
1336	94.8	742	7	1	99%(322/327)	92%(12/13)
		315	6	1	98%(322/328)	100%(13/13)
		2735	7	1	98%(322/328)	100%(13/13)
		723	6	1	98%(320/328)	92%(11/12)
		818	4	1	98%(320/328)	100%(12/12)
		857	6	1	97%(319/328)	92%(12/13)
		741	6	3	97%(317/326)	100%(13/13)
		1534	4	1	97%(318/328)	92%(12/13)
		2206	3	1	96%(315/328)	92%(12/13)
		1506	4	1	95%(309/325)	92%(11/12)
1338	98.5	416	1	226	100%(76/76)	100%(1/1)
		1232	5	1	99%(390/393)	100%(4/4)
		190	5	4	99%(389/393)	100%(4/4)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
1339	99.5	Kr				
1340	99.0	100	1	2	100%(392/392)	100%(4/4)
		1164	1	2	100%(392/392)	100%(4/4)
		371	1	3	100%(391/392)	100%(4/4)
		597	1	3	100%(391/392)	100%(4/4)
		1235	1	3	100%(391/392)	100%(4/4)
		2346	1	3	100%(391/392)	100%(4/4)
		291	1	3	100%(390/392)	100%(3/3)
		1056	1	3	100%(390/392)	100%(4/4)
		1423	1	4	100%(390/392)	100%(4/4)
		1057	2	8	99%(389/392)	100%(3/3)
		1510	1	4	99%(388/391)	100%(4/4)
1341	98.5	461	1	5	100%(394/395)	100%(5/5)
		765	1	2	100%(394/395)	100%(6/6)
		1295	1	1	100%(394/395)	100%(6/6)
		2907	1	4	100%(297/298)	100%(4/4)
		07	2	3	100%(393/395)	100%(5/5)
		2	1	1	100%(393/395)	100%(6/6)
		21	1	1	100%(392/394)	100%(5/5)
		550	2	4	100%(393/395)	100%(5/5)
		1672	2	4	100%(393/395)	100%(5/5)
		2297	2	3	100%(393/395)	100%(5/5)
		122	2	3	99%(392/395)	100%(4/4)
		777	2	4	99%(392/395)	100%(5/5)
		1073	3	8	99%(392/395)	100%(5/5)
		1083	1	4	99%(392/395)	100%(6/6)
		1142	3	7	99%(390/393)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		2415	3	11	99%(392/395)	100%(4/4)
		134	2	2	99%(391/395)	100%(6/6)
		271	3	5	99%(391/395)	100%(4/4)
		411	3	3	99%(391/395)	100%(5/5)
		1266	3	2	99%(391/395)	100%(5/5)
		1470	2	5	99%(391/395)	100%(4/4)
		1790	3	5	99%(391/395)	100%(5/5)
		2386	3	5	99%(390/394)	100%(5/5)
		2550	2	3	99%(391/395)	100%(4/4)
		2679s	2	92	99%(98/99)	100%(2/2)
		011	2	11	99%(265/268)	100%(5/5)
		22	3	2	99%(390/395)	100%(5/5)
		281	1	1	99%(390/395)	100%(6/6)
		343	3	1	99%(390/395)	80%(4/5)
		584	2	1	99%(390/395)	100%(5/5)
		778	2	11	99%(388/393)	100%(4/4)
		1218	3	5	99%(390/395)	100%(4/4)
		1229	3	2	99%(390/395)	75%(3/4)
1342	95.7	1666	3	1	97%(384/395)	91%(10/11)
		1220	3	1	97%(381/395)	80%(8/10)
		2661	3	1	97%(381/395)	91%(10/11)
1343	97.6	60	1	2	100%(84/84)	100%(2/2)
		140	1	2	100%(84/84)	100%(2/2)
		144s	1	3	100%(84/84)	100%(2/2)
		148	1	2	100%(84/84)	100%(2/2)
		162	1	2	100%(84/84)	100%(2/2)
		185	1	2	100%(84/84)	100%(2/2)
		259	1	2	100%(84/84)	100%(2/2)
		274	1	5	100%(84/84)	100%(2/2)
		295	1	2	100%(83/83)	100%(2/2)
		329	1	3	100%(84/84)	100%(2/2)
		358	1	3	100%(84/84)	100%(2/2)
		360	1	4	100%(84/84)	100%(2/2)
		422	1	2	100%(84/84)	100%(2/2)
		493	1	2	100%(84/84)	100%(2/2)
		495	1	2	100%(84/84)	100%(2/2)
		538	1	2	100%(84/84)	100%(2/2)
		548	1	2	100%(84/84)	100%(2/2)
		573	1	23	100%(84/84)	100%(2/2)
		592	1	3	100%(84/84)	100%(2/2)
		655	1	3	100%(84/84)	100%(2/2)
		750	1	3	100%(84/84)	100%(2/2)
		795	1	2	100%(84/84)	100%(2/2)
		809	1	2	100%(84/84)	100%(2/2)
		877	1	5	100%(83/83)	100%(1/1)
		925	1	2	100%(84/84)	100%(2/2)
		952	1	4	100%(84/84)	100%(2/2)
		1077	1	4	100%(84/84)	100%(2/2)
		1090	1	3	100%(84/84)	100%(2/2)
		1214	1	2	100%(84/84)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		1222	1	2	100%(84/84)	100%(2/2)
		1373	1	3	100%(84/84)	100%(2/2)
		1393	1	2	100%(84/84)	100%(2/2)
		1425	1	3	100%(84/84)	100%(2/2)
		1454	1	2	100%(84/84)	100%(2/2)
		1474	1	3	100%(84/84)	100%(2/2)
		1485	1	2	100%(84/84)	100%(2/2)
		1495	1	2	100%(84/84)	100%(2/2)
		1539	1	2	100%(84/84)	100%(2/2)
		1647	1	3	100%(84/84)	100%(2/2)
		1685	1	2	100%(84/84)	100%(2/2)
		1703	1	5	100%(84/84)	100%(2/2)
		2121	1	3	100%(79/79)	100%(2/2)
		2139	1	2	100%(84/84)	100%(2/2)
		2247	1	2	100%(84/84)	100%(2/2)
		2307	1	35	100%(80/80)	100%(1/1)
		2458	1	2	100%(84/84)	100%(2/2)
		2474	1	2	100%(84/84)	100%(2/2)
		2500	1	3	100%(84/84)	100%(2/2)
		2571	1	3	100%(84/84)	100%(2/2)
		2586	1	3	100%(84/84)	100%(2/2)
		2592	1	4	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		2724	1	2	100%(84/84)	100%(2/2)
		2779	1	3	100%(50/50)	100%(1/1)
		021	3	2	99%(83/84)	100%(1/1)
		047	3	2	99%(83/84)	100%(1/1)
		10	3	2	99%(83/84)	100%(1/1)
		12	3	2	99%(83/84)	100%(1/1)
		24	2	2	99%(83/84)	100%(2/2)
		28	1	2	99%(83/84)	100%(2/2)
		31	1	2	99%(83/84)	100%(2/2)
		32	3	2	99%(83/84)	100%(2/2)
		80	1	2	99%(83/84)	100%(2/2)
		108	1	2	99%(83/84)	100%(2/2)
		109	3	2	99%(83/84)	100%(1/1)
		137	3	2	99%(83/84)	100%(1/1)
		145	3	3	99%(83/84)	100%(1/1)
		156	1	2	99%(83/84)	100%(2/2)
		186	1	2	99%(83/84)	100%(2/2)
		188	3	2	99%(83/84)	100%(1/1)
		193	2	3	99%(83/84)	100%(1/1)
		211	3	2	99%(83/84)	100%(1/1)
		217	3	2	99%(83/84)	100%(2/2)
		277	2	2	99%(83/84)	100%(2/2)
		297	2	2	99%(83/84)	100%(1/1)
		350	2	3	99%(83/84)	100%(2/2)
		406	2	2	99%(83/84)	100%(1/1)
		412	1	2	99%(83/84)	100%(1/1)
		413	1	2	99%(83/84)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		419	2	2	99%(83/84)	100%(1/1)
		440	1	2	99%(83/84)	100%(2/2)
		473	1	3	99%(83/84)	100%(2/2)
		515	2	2	99%(83/84)	100%(1/1)
		519	1	2	99%(83/84)	100%(2/2)
		537	3	2	99%(82/83)	100%(1/1)
		577	2	1	99%(83/84)	100%(2/2)
		657	1	2	99%(83/84)	100%(1/1)
		683	2	1	99%(83/84)	100%(2/2)
		690	2	2	99%(83/84)	100%(1/1)
		695	1	2	99%(83/84)	100%(1/1)
		715	1	2	99%(83/84)	100%(2/2)
		718	3	2	99%(83/84)	100%(1/1)
		745	2	2	99%(83/84)	100%(1/1)
		752	1	2	99%(83/84)	100%(2/2)
		761	3	2	99%(83/84)	100%(1/1)
		762	2	2	99%(83/84)	100%(1/1)
		766	3	2	99%(83/84)	100%(1/1)
		801	1	2	99%(83/84)	100%(1/1)
		811	1	2	99%(83/84)	100%(1/1)
		851	2	2	99%(83/84)	100%(2/2)
		906	3	2	99%(83/84)	100%(1/1)
		1091	2	2	99%(83/84)	100%(1/1)
		1096	2	2	99%(83/84)	100%(1/1)
		1110	3	2	99%(83/84)	100%(1/1)
		1186	3	2	99%(83/84)	100%(1/1)
		1192	2	2	99%(83/84)	100%(1/1)
		1194	2	2	99%(83/84)	100%(1/1)
		1196	2	2	99%(83/84)	100%(1/1)
		1202	1	2	99%(83/84)	100%(1/1)
		1211	2	3	99%(83/84)	100%(2/2)
		1233	3	2	99%(83/84)	100%(2/2)
		1269	1	2	99%(83/84)	100%(2/2)
		1288	1	2	99%(83/84)	100%(2/2)
		1297	2	2	99%(83/84)	100%(1/1)
		1299	1	3	99%(83/84)	100%(2/2)
		1301	1	2	99%(83/84)	100%(2/2)
		1310	3	2	99%(83/84)	100%(1/1)
		1312	1	2	99%(83/84)	100%(1/1)
		1396	2	2	99%(83/84)	100%(1/1)
		1410	3	2	99%(83/84)	100%(1/1)
		1432	1	2	99%(83/84)	100%(2/2)
		1465	2	2	99%(83/84)	100%(1/1)
		1478s	3	2	99%(83/84)	100%(1/1)
		1505	1	2	99%(83/84)	100%(1/1)
		1509	2	2	99%(83/84)	100%(1/1)
		1535	1	2	99%(83/84)	100%(2/2)
		1557	2	2	99%(83/84)	100%(1/1)
		1567	1	2	99%(82/83)	100%(2/2)
		1595	2	2	99%(83/84)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		1623	2	2	99%(83/84)	100%(1/1)
		1624	2	1	99%(83/84)	100%(2/2)
		1648	2	2	99%(83/84)	100%(1/1)
		1660	3	2	99%(83/84)	100%(1/1)
		1666	1	2	99%(83/84)	100%(1/1)
		1673	2	3	99%(83/84)	100%(1/1)
		1692	2	2	99%(83/84)	100%(1/1)
		1699	1	2	99%(83/84)	100%(1/1)
		1788	1	2	99%(82/83)	100%(2/2)
		2107	3	2	99%(83/84)	100%(1/1)
		2127	2	2	99%(83/84)	100%(2/2)
		2280	1	2	99%(83/84)	100%(1/1)
		2283	3	3	99%(83/84)	100%(1/1)
		2314	1	2	99%(83/84)	100%(2/2)
		2406	1	2	99%(83/84)	100%(2/2)
		2465	3	2	99%(83/84)	100%(1/1)
		2499	2	2	99%(83/84)	100%(2/2)
		2525	3	2	99%(83/84)	100%(1/1)
		2546	2	2	99%(83/84)	100%(1/1)
		2608	1	2	99%(83/84)	100%(2/2)
		2658	2	2	99%(83/84)	100%(1/1)
		2673	1	2	99%(83/84)	100%(1/1)
		2711	1	2	99%(83/84)	100%(2/2)
		2721	3	3	99%(83/84)	100%(1/1)
		2812	2	2	99%(83/84)	100%(2/2)
		2863	3	2	99%(83/84)	100%(1/1)
		2868	2	3	99%(83/84)	100%(2/2)
		280	3	2	99%(78/79)	100%(1/1)
		904	2	1	99%(74/75)	100%(1/1)
		500	3	7	99%(67/68)	100%(1/1)
		27s	3	2	98%(59/60)	100%(1/1)
1343s	97.4	413	8	1	98%(305/311)	75%(3/4)
1344	94.3	191	9	1	97%(188/194)	100%(6/6)
1345	98.0	2494	1	1	100%(393/395)	100%(7/7)
		561	1	5	99%(392/395)	100%(6/6)
		2467	5	9	99%(278/282)	100%(3/3)
		483	11	4	99%(389/395)	80%(4/5)
		1143	3	21	99%(194/197)	100%(1/1)
		74	14	4	98%(387/394)	80%(4/5)
		808	5	4	98%(388/395)	100%(5/5)
		995	13	5	98%(388/395)	80%(4/5)
1346	97.5	2782	2	100	99%(127/128)	100%(2/2)
		017	1	1	99%(389/395)	86%(6/7)
		699	5	2	99%(389/395)	100%(9/9)
		2902	4	2	99%(389/395)	100%(9/9)
		1079	5	2	98%(388/395)	100%(9/9)
		2193	7	5	98%(388/395)	100%(7/7)
		1690	5	3	98%(387/395)	100%(8/8)
		649	5	24	98%(87/89)	100%(1/1)
		114	6	2	98%(386/395)	100%(8/8)

Ms	MT	OMs	C	N	Overall	non-MT
		158	4	1	98%(385/394)	100%(8/8)
1347	98.2	771	2	82	100%(207/208)	100%(1/1)
		2860	2	1	100%(393/395)	86%(6/7)
		1037	2	2	99%(392/395)	100%(6/6)
		1300	3	17	99%(392/395)	100%(4/4)
		298	3	2	99%(391/395)	100%(4/4)
		1218	2	3	99%(391/395)	100%(5/5)
		011	2	11	99%(265/268)	100%(5/5)
		263	3	9	99%(389/395)	100%(4/4)
		344s	2	1	99%(389/395)	83%(5/6)
		661	3	8	99%(389/395)	100%(4/4)
		808	3	5	99%(389/395)	100%(5/5)
1348	98.5	1329	4	8	99%(391/394)	100%(4/4)
1349	97.9	500	1	1	100%(66/66)	100%(2/2)
		411	3	3	99%(189/191)	100%(2/2)
		504	4	5	99%(189/191)	100%(2/2)
		7	13	2	98%(188/191)	100%(1/1)
		211	5	2	98%(188/191)	100%(2/2)
		408	7	2	98%(188/191)	100%(1/1)
		497	9	2	98%(188/191)	100%(1/1)
		728	19	4	98%(188/191)	100%(1/1)
		1564	8	12	98%(181/184)	100%(1/1)
		2217	11	2	98%(188/191)	100%(1/1)
1350	98.2	2779	3	2	99%(270/272)	100%(3/3)
		2782	2	100	99%(127/128)	100%(1/1)
		2398	2	8	99%(236/239)	100%(2/2)
		904	4	12	99%(195/198)	100%(2/2)
		989	7	1	99%(389/395)	80%(4/5)
		997	10	1	99%(389/395)	80%(4/5)
		1592	9	3	99%(389/395)	80%(4/5)
1352	98.5	227	1	1	100%(393/395)	100%(5/5)
1353	95.7	2908	6	47	98%(88/90)	100%(1/1)
		370	15	24	97%(123/127)	100%(1/1)
1354	97.5	1126	4	2	98%(386/394)	100%(6/6)
		1404	10	1	98%(374/382)	83%(5/6)
1355	97.2	335	6	12	98%(223/227)	100%(3/3)
1356	98.7	2567	2	10	99%(208/210)	100%(1/1)
1357	97.5	416	1	226	100%(76/76)	100%(1/1)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2649	5	93	99%(144/146)	100%(2/2)
		1685	11	3	98%(387/395)	100%(6/6)
1358	97.5	657	9	2	98%(287/294)	80%(4/5)
1359	98.5	1602	2	1	99%(390/395)	75%(3/4)
1364	97.0	766	4	162	99%(143/145)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		1592	11	1	98%(388/395)	86%(6/7)



Ms	MT	OMs	C	N	Overall	non-MT
		770	9	3	98%(372/380)	100%(7/7)
		2649	8	93	98%(143/146)	100%(2/2)
		108	10	1	98%(385/395)	86%(6/7)
		2499	13	1	98%(385/395)	86%(6/7)
		2812	13	3	98%(385/395)	86%(6/7)
1365	96.2	697	1	2	99%(391/395)	100%(13/13)
		2372	1	3	99%(278/282)	90%(9/10)
		1005	4	1	99%(389/395)	100%(12/12)
		2679s	8	83	98%(97/99)	100%(2/2)
		2613	5	1	98%(385/395)	100%(8/8)
		106	3	1	97%(382/395)	100%(8/8)
		1455	7	2	97%(382/395)	100%(8/8)
1367	99.2	416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		1467	4	12	99%(333/335)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
1370	97.2	0141	2	1	99%(390/395)	91%(10/11)
		821	2	1	99%(389/395)	82%(9/11)
		1143	5	4	99%(194/197)	67%(2/3)
1373	98.0	573	1	23	100%(148/148)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		219	5	16	99%(392/395)	100%(5/5)
		358	3	6	99%(392/395)	100%(6/6)
		360	3	5	99%(392/395)	100%(6/6)
		1077	4	2	99%(389/393)	100%(6/6)
		2592	5	2	99%(390/394)	100%(6/6)
		2717	4	13	99%(227/230)	100%(2/2)
		1211	4	6	99%(389/395)	100%(5/5)
1375	96.5	1463	7	2	98%(385/394)	80%(8/10)
		68	9	1	98%(385/395)	70%(7/10)
		557	7	2	98%(385/395)	78%(7/9)
		726	10	1	98%(385/395)	78%(7/9)
		365	7	2	97%(382/393)	70%(7/10)
		1113	5	2	97%(384/395)	80%(8/10)
		1377	6	1	97%(379/391)	70%(7/10)
1377	96.2	68	7	1	98%(382/391)	90%(9/10)
		475s	2	3	98%(43/44)	100%(3/3)
		557	6	3	98%(382/391)	100%(9/9)
		726	6	4	98%(382/391)	100%(9/9)
		1463	5	1	98%(381/390)	100%(9/9)
		365	7	2	97%(378/389)	70%(7/10)
		787	28	1	97%(379/391)	100%(8/8)
		1113	6	1	97%(379/391)	80%(8/10)
		1375	6	1	97%(379/391)	70%(7/10)
		270	21	1	96%(377/391)	100%(8/8)
1385	98.7	2782	2	100	99%(127/128)	100%(1/1)
		1078	4	12	99%(391/395)	100%(3/3)
		2315	2	2	99%(391/395)	100%(4/4)

Ms	MT	OMs	C	N	Overall	non-MT
1387	96.7	2679s	1	22	100%(99/99)	100%(3/3)
		1387s	5	1	99%(389/394)	89%(8/9)
		904	4	12	99%(195/198)	100%(3/3)
		1265	6	2	98%(387/395)	89%(8/9)
		723	4	3	98%(386/395)	91%(10/11)
		858	9	1	98%(386/395)	100%(9/9)
		949	2	1	98%(373/382)	89%(8/9)
		1217	8	1	98%(385/395)	88%(7/8)
		392	9	2	97%(384/395)	88%(7/8)
		993	10	1	97%(381/392)	86%(6/7)
1387s	97.5	2679s	1	22	100%(99/99)	100%(3/3)
		1804	2	99	99%(121/122)	100%(2/2)
		956	5	4	99%(390/394)	100%(7/7)
		1640	5	4	99%(390/394)	100%(7/7)
		1387	2	1	99%(389/394)	89%(8/9)
		1217	2	2	99%(388/394)	100%(8/8)
		1017	4	3	98%(387/394)	88%(7/8)
		790	3	1	98%(386/394)	100%(7/7)
		1436	4	4	98%(386/394)	100%(6/6)
		949	3	1	98%(372/381)	86%(6/7)
1388	98.7	1468	4	2	99%(383/387)	75%(3/4)
1389	99.2	Kr				
1390	99.5	Kr				
1391	98.0	1290	3	7	99%(392/395)	100%(5/5)
		2679s	2	92	99%(98/99)	100%(2/2)
		117	4	1	99%(389/395)	86%(6/7)
		263	4	1	99%(389/395)	80%(4/5)
		502	6	1	99%(389/395)	80%(4/5)
		801	5	1	99%(389/395)	67%(4/6)
		901	5	1	99%(389/395)	86%(6/7)
		1685	6	1	99%(389/395)	71%(5/7)
		396	6	1	98%(388/395)	80%(4/5)
		413	6	2	98%(388/395)	80%(4/5)
1392	97.5	no close relatives				
1393	96.2	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		573	2	121	99%(147/148)	100%(2/2)
		2649	2	17	99%(145/146)	100%(3/3)
		766	4	162	99%(143/145)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		405	2	2	97%(239/247)	100%(3/3)
1394	98.2	771	2	82	100%(207/208)	100%(1/1)
		2518	2	3	99%(392/395)	100%(4/4)
		483	5	8	99%(391/395)	100%(5/5)
		74	6	5	99%(389/394)	100%(5/5)
		484	9	2	99%(390/395)	100%(4/4)
		1639	4	4	99%(390/395)	100%(4/4)
		766	4	162	99%(143/145)	100%(1/1)
		502	5	7	99%(389/395)	100%(4/4)
		1804	7	160	98%(120/122)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		748	6	64	98%(178/181)	100%(1/1)
1395	97.2	2782	1	33	100%(128/128)	100%(2/2)
		52	1	1	100%(390/392)	100%(11/11)
		2500	4	5	99%(392/395)	100%(8/8)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		46	3	2	99%(388/394)	100%(9/9)
		2897	4	2	99%(389/395)	100%(9/9)
		54	2	3	98%(388/395)	100%(9/9)
		1215	3	1	98%(388/395)	90%(9/10)
1396	97.5	1557	1	2	99%(391/395)	100%(7/7)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		695	2	1	99%(389/395)	100%(9/9)
		904	4	12	99%(195/198)	100%(2/2)
		370	4	18	98%(125/127)	100%(3/3)
		38	6	1	98%(386/394)	100%(6/6)
		1315	4	1	98%(387/395)	83%(5/6)
		2649	8	93	98%(143/146)	100%(2/2)
		2908	6	47	98%(88/90)	100%(2/2)
1397	98.5	390	2	10	100%(392/394)	100%(4/4)
		484	3	6	99%(391/394)	100%(4/4)
		2266	3	8	99%(391/394)	100%(4/4)
		89	3	6	99%(390/394)	100%(4/4)
		483	5	8	99%(390/394)	100%(4/4)
		666s	5	1	99%(390/394)	80%(4/5)
		2511	4	9	99%(390/394)	100%(3/3)
		2749	4	4	99%(390/394)	75%(3/4)
		779	2	79	99%(84/85)	100%(1/1)
		2645	4	4	99%(389/394)	100%(4/4)
1398	95.7	482	2	1	98%(387/395)	85%(11/13)
		2400	4	1	98%(386/394)	91%(10/11)
		515	5	2	98%(379/388)	100%(9/9)
		574	4	1	98%(386/395)	92%(12/13)
		2516	5	1	98%(385/395)	91%(10/11)
		489	18	1	97%(383/395)	82%(9/11)
		2902	20	1	97%(382/395)	80%(8/10)
		114	17	1	97%(381/395)	80%(8/10)
		1079	20	1	97%(381/395)	80%(8/10)
		544	3	1	96%(380/395)	77%(10/13)
1400	99.5	Kr				
1402	96.7	725	2	1	99%(390/395)	100%(10/10)
		2295	2	1	99%(389/395)	100%(9/9)
1403	95.7	766	5	1	99%(143/145)	67%(2/3)
		2649	10	9	98%(143/146)	67%(2/3)
1404	97.6	2307	2	72	100%(188/189)	100%(1/1)
		1057	4	9	99%(378/382)	100%(5/5)
		1423	5	4	99%(377/382)	100%(5/5)
		1510	4	1	99%(376/381)	83%(5/6)

Ms	MT	OMs	C	N	Overall	non-MT
		546	2	1	99%(213/216)	100%(1/1)
		276	4	1	98%(376/382)	100%(6/6)
		506	5	1	98%(374/380)	100%(4/4)
		278	5	1	98%(371/378)	100%(5/5)
		1354	2	1	98%(374/382)	83%(5/6)
		2328	2	1	98%(374/382)	100%(6/6)
1406	98.5	806	6	1	99%(392/395)	75%(3/4)
		1178	7	1	99%(391/395)	75%(3/4)
		2301	5	3	99%(391/395)	100%(4/4)
		1119	5	14	99%(275/278)	100%(3/3)
		234	3	1	99%(390/395)	75%(3/4)
		2467	5	9	99%(278/282)	100%(3/3)
1408	99.2	1042	1	1	100%(394/395)	100%(2/2)
		1300	1	2	100%(394/395)	100%(3/3)
		122	1	2	100%(393/395)	100%(3/3)
		199	3	13	100%(393/395)	100%(2/2)
		461	2	5	100%(393/395)	100%(3/3)
		682	1	1	100%(391/393)	100%(3/3)
		899	1	1	100%(393/395)	100%(3/3)
		991	1	1	100%(393/395)	100%(2/2)
		2098	3	13	100%(393/395)	100%(2/2)
		2292	2	5	100%(393/395)	100%(2/2)
		930	3	1	99%(332/334)	100%(2/2)
1409	96.7	2307	2	72	100%(194/195)	100%(2/2)
		2135	7	4	99%(389/395)	100%(8/8)
		988	3	2	98%(387/395)	100%(8/8)
		1190	9	3	98%(387/395)	100%(7/7)
		1540	5	2	98%(323/330)	100%(7/7)
		2709	7	1	98%(386/395)	100%(8/8)
1410	97.5	416	1	226	100%(76/76)	100%(1/1)
		2782	2	100	99%(127/128)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		438	9	16	99%(390/395)	100%(6/6)
		408	6	2	99%(389/395)	100%(6/6)
		1804	7	160	98%(120/122)	100%(1/1)
		2908	6	47	98%(88/90)	100%(2/2)
1413	96.2	1170	4	1	98%(388/395)	91%(10/11)
		71	1	1	98%(387/395)	91%(10/11)
		86	6	1	98%(387/395)	91%(10/11)
		569	6	1	98%(386/395)	91%(10/11)
		1458	2	1	98%(386/395)	75%(9/12)
		1531	6	2	98%(385/395)	90%(9/10)
		1663	2	1	97%(371/382)	91%(10/11)
		2611	9	2	97%(382/395)	100%(8/8)
		2291	8	2	97%(381/395)	90%(9/10)
1415	97.7	2679s	2	92	99%(98/99)	100%(2/2)
		1120	13	16	99%(390/395)	100%(5/5)
		21	13	6	99%(388/394)	80%(4/5)
		765	20	1	99%(389/395)	67%(4/6)

Ms	MT	OMs	C	N	Overall	non-MT
		1010	14	1	99%(389/395)	83%(5/6)
		2442	14	1	98%(337/343)	80%(4/5)
		1083	15	5	98%(388/395)	83%(5/6)
		011	12	4	98%(263/268)	80%(4/5)
		148	20	1	98%(387/395)	67%(4/6)
		530	7	4	98%(387/395)	83%(5/6)
1416	98.5	1240	4	8	99%(390/395)	100%(4/4)
1418	98.5	153	4	2	99%(392/395)	80%(4/5)
		775	1	1	99%(391/395)	100%(5/5)
		1538	5	14	99%(391/395)	100%(4/4)
		2462	2	1	99%(391/395)	100%(4/4)
		779	2	79	99%(84/85)	100%(1/1)
		355	3	3	99%(390/395)	100%(5/5)
		783	4	3	99%(390/395)	100%(5/5)
		1201	5	3	99%(390/395)	100%(4/4)
		1240	4	8	99%(390/395)	100%(4/4)
		766	4	162	99%(143/145)	100%(2/2)
1421	98.6	1712	1	129	100%(172/172)	100%(1/1)
		2632	2	1	100%(275/276)	100%(1/1)
		201	5	1	99%(346/348)	100%(3/3)
		1234	4	1	99%(345/348)	67%(2/3)
		2322	5	1	99%(344/347)	100%(3/3)
		2714	3	1	99%(345/348)	100%(2/2)
		121	1	1	99%(344/348)	100%(3/3)
		1035	5	1	99%(344/348)	100%(2/2)
		1248	1	1	99%(344/348)	100%(2/2)
		1779	4	1	99%(342/346)	100%(3/3)
1422	96.7	766	4	162	99%(143/145)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		905	3	1	98%(388/395)	100%(10/10)
		2649	8	93	98%(143/146)	100%(2/2)
		32	13	2	98%(385/395)	100%(7/7)
		2812	12	2	98%(385/395)	100%(7/7)
		370	15	24	97%(123/127)	100%(2/2)
1423	98.5	100	3	3	100%(393/395)	100%(4/4)
		1164	3	3	100%(393/395)	100%(4/4)
		1340	3	3	100%(390/392)	100%(4/4)
		2307	2	72	100%(194/195)	100%(1/1)
		371	3	3	99%(392/395)	100%(4/4)
		1235	3	4	99%(392/395)	100%(4/4)
		2346	3	4	99%(392/395)	100%(4/4)
		1056	3	1	99%(391/395)	100%(4/4)
		2567	2	10	99%(208/210)	100%(1/1)
		276	2	2	99%(390/395)	100%(5/5)
		506	3	2	99%(388/393)	100%(4/4)
		1404	3	1	99%(377/382)	100%(5/5)
		1510	3	2	99%(389/394)	100%(4/4)
1424	93.9	2679s	8	83	98%(97/99)	100%(2/2)
1425	96.7	573	1	23	100%(148/148)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		2634	1	57	100%(83/83)	100%(2/2)
		2307	2	72	100%(194/195)	100%(2/2)
		274	9	39	99%(246/249)	100%(3/3)
		2649	5	93	99%(144/146)	100%(2/2)
		904	7	25	98%(194/198)	100%(2/2)
		2679s	8	83	98%(97/99)	100%(2/2)
		1668	11	2	98%(385/394)	100%(7/7)
		752	2	1	98%(384/394)	100%(10/10)
1426	99.7	1460	1	1	100%(394/394)	100%(1/1)
1427	99.5	Kr				
1428	96.7	2177	1	22	99%(158/159)	100%(1/1)
		2238	19	3	97%(377/388)	71%(5/7)
1431	95.4	2794	20	1	96%(329/343)	78%(7/9)
1432	96.7	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		2649	5	93	99%(144/146)	100%(3/3)
		2779	10	14	99%(268/272)	100%(3/3)
		28	10	1	97%(280/289)	60%(3/5)
		405	3	1	97%(240/248)	80%(4/5)
1434	97.2	2679s	1	22	100%(99/99)	100%(3/3)
		2637	5	11	99%(391/395)	100%(7/7)
		1804	7	160	98%(120/122)	100%(3/3)
		956	10	7	98%(388/395)	100%(6/6)
		1640	10	7	98%(388/395)	100%(6/6)
		2282s	10	7	98%(388/395)	100%(6/6)
		585	7	8	98%(387/395)	100%(7/7)
		1629	11	6	98%(387/395)	100%(6/6)
		2375	4	1	98%(382/391)	100%(6/6)
		23	3	1	97%(382/392)	100%(6/6)
1435	99.4	Kr				
1436	97.5	790	1	1	99%(391/395)	100%(9/9)
		1217	1	1	99%(391/395)	100%(9/9)
		811	2	1	99%(390/395)	100%(7/7)
		196	6	1	98%(388/395)	83%(5/6)
		379	7	4	98%(387/395)	100%(6/6)
		1294	1	1	98%(387/395)	100%(8/8)
		1387s	10	5	98%(386/394)	100%(6/6)
		2590	6	4	98%(387/395)	100%(6/6)
		1171	3	1	98%(386/395)	83%(5/6)
1438	98.5	2782	2	100	99%(127/128)	100%(2/2)
		1058	5	7	99%(391/395)	100%(4/4)
		1538	5	14	99%(391/395)	100%(4/4)
		2451	4	5	99%(391/395)	100%(4/4)
		438	9	16	99%(390/395)	100%(4/4)
		1240	4	8	99%(390/395)	100%(4/4)
		475	14	30	99%(347/352)	100%(3/3)
1439	97.5	416	1	226	100%(76/76)	100%(1/1)
		15	3	2	100%(393/395)	100%(8/8)
		013	2	10	99%(236/238)	100%(4/4)
		1163	5	20	99%(391/395)	100%(6/6)

Ms	MT	OMs	C	N	Overall	non-MT
		2679s	2	92	99%(98/99)	100%(2/2)
		2894	3	1	99%(387/391)	86%(6/7)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		902	5	1	98%(377/384)	100%(6/6)
		1595	5	2	98%(387/395)	86%(6/7)
1440	98.5	779	2	79	99%(84/85)	100%(1/1)
1441	99.0	no close relatives				
1442	98.5	2307	2	72	100%(194/195)	100%(1/1)
		2177	1	22	99%(158/159)	100%(1/1)
		1560	4	29	99%(305/307)	100%(3/3)
		1039	3	2	99%(392/395)	100%(5/5)
		1791	3	2	99%(392/395)	100%(4/4)
		1467	7	13	99%(332/335)	100%(3/3)
		511	3	1	99%(387/391)	100%(4/4)
		2908	2	37	99%(89/90)	100%(2/2)
		1664	7	8	99%(390/395)	100%(4/4)
1443	98.0	179	6	86	99%(247/249)	100%(2/2)
		711	5	109	99%(219/221)	100%(2/2)
		2414	4	16	99%(266/269)	100%(4/4)
		766	4	162	99%(143/145)	100%(2/2)
		350	6	2	98%(358/364)	100%(4/4)
		1804	7	160	98%(120/122)	100%(2/2)
		748	6	64	98%(178/181)	100%(2/2)
		355	7	3	98%(388/395)	100%(5/5)
		524	2	1	98%(388/395)	100%(5/5)
		785	3	1	98%(388/395)	100%(5/5)
1444	98.2	944	1	2	100%(394/395)	100%(6/6)
		1207	2	3	100%(367/369)	100%(4/4)
		200	4	4	99%(391/395)	100%(5/5)
		941	3	1	99%(391/395)	100%(4/4)
		1324	3	2	99%(391/395)	100%(5/5)
		190	7	7	99%(390/395)	100%(4/4)
		11	4	4	99%(389/395)	100%(5/5)
1445	99.2	Kr				
1446	95.4	1050	2	1	97%(383/395)	90%(9/10)
		370	15	24	97%(123/127)	100%(3/3)
		2620	4	1	97%(382/395)	100%(10/10)
1447	97.7	1216	4	5	98%(388/395)	100%(5/5)
1448	97.5	78	1	1	100%(392/394)	100%(8/8)
		127	1	1	99%(392/395)	100%(9/9)
		132	2	2	99%(390/395)	100%(9/9)
		1513	2	1	99%(390/395)	100%(8/8)
		1701	2	1	99%(390/395)	100%(9/9)
		2405	1	2	98%(384/392)	100%(9/9)
		2530	1	1	98%(387/395)	100%(7/7)
		175	1	1	98%(386/395)	89%(8/9)
		2524	1	1	98%(382/391)	100%(10/10)
		2623	4	1	98%(386/395)	88%(7/8)
1449	97.7	416	1	226	100%(76/76)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		2634	2	234	99%(82/83)	100%(1/1)
		188	5	1	98%(387/395)	83%(5/6)
1450	99.0	999	1	2	100%(395/395)	100%(4/4)
		2782	1	33	100%(128/128)	100%(2/2)
		380	2	7	100%(393/395)	100%(3/3)
		730	3	17	100%(387/389)	100%(3/3)
		771	2	82	100%(207/208)	100%(1/1)
		1076	2	7	100%(393/395)	100%(3/3)
		1300	2	12	100%(393/395)	100%(3/3)
		202	3	9	99%(392/395)	100%(3/3)
		261	3	9	99%(392/395)	100%(3/3)
		561	1	5	99%(392/395)	100%(4/4)
		900	3	9	99%(392/395)	100%(3/3)
		1031	3	8	99%(392/395)	100%(3/3)
		1078	2	10	99%(392/395)	100%(3/3)
		1121	3	7	99%(392/395)	100%(3/3)
		1290	3	7	99%(392/395)	100%(3/3)
		1397	3	2	99%(391/394)	75%(3/4)
		1545	3	3	99%(392/395)	100%(4/4)
		2224	2	8	99%(392/395)	100%(3/3)
		2641	2	6	99%(392/395)	100%(3/3)
1451	96.2	1143	1	2	100%(197/197)	100%(4/4)
		2528	2	1	98%(385/395)	87%(13/15)
		968	1	1	96%(380/394)	67%(8/12)
1452	99.0	416	1	226	100%(76/76)	100%(1/1)
		1238	2	2	100%(394/395)	100%(4/4)
		179	2	23	100%(248/249)	100%(2/2)
		711	2	25	100%(220/221)	100%(2/2)
		1034	3	3	100%(393/395)	100%(3/3)
		1163	2	6	100%(393/395)	100%(4/4)
		1292	1	3	100%(393/395)	100%(3/3)
		1300	2	12	100%(393/395)	100%(3/3)
		2173	2	6	100%(393/395)	100%(4/4)
		2181	3	2	100%(393/395)	100%(4/4)
		766	2	54	99%(144/145)	100%(2/2)
		166	2	3	99%(392/395)	100%(4/4)
		198	3	7	99%(392/395)	100%(3/3)
		232	3	4	99%(392/395)	100%(3/3)
		461	3	18	99%(392/395)	100%(3/3)
		1804	2	99	99%(121/122)	100%(2/2)
		2637	3	12	99%(392/395)	100%(4/4)
1453	98.5	no close relatives				
1454	98.0	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		60	2	1	100%(394/395)	100%(8/8)
		1495	2	1	100%(394/395)	100%(8/8)
		1685	2	1	100%(393/395)	100%(8/8)
		2868	1	2	99%(391/395)	100%(6/6)
		779	2	79	99%(84/85)	100%(1/1)
		502	4	7	99%(390/395)	100%(5/5)



Ms	MT	OMs	C	N	Overall	non-MT
		1084	3	1	99%(390/395)	57%(4/7)
		413	4	5	99%(389/395)	100%(5/5)
1455	96.5	776	2	1	99%(390/394)	83%(10/12)
		2394	2	1	99%(390/395)	100%(10/10)
		2613	3	1	98%(388/395)	100%(9/9)
		2679s	8	83	98%(97/99)	100%(3/3)
		1005	7	1	97%(384/395)	100%(9/9)
		106	2	1	97%(383/395)	100%(8/8)
		1195	3	1	97%(383/395)	100%(9/9)
		697	5	1	97%(382/395)	100%(8/8)
		1365	6	2	97%(382/395)	100%(8/8)
1456	98.5	1092	1	104	100%(252/252)	100%(1/1)
		1400	1	119	100%(211/211)	100%(1/1)
		240	4	9	99%(392/395)	100%(4/4)
		730	6	11	99%(386/389)	100%(3/3)
		2101	5	4	99%(388/392)	100%(4/4)
		305	5	3	99%(385/390)	100%(4/4)
		1280	9	5	99%(390/395)	100%(4/4)
		1545	7	5	99%(390/395)	100%(4/4)
		1609	4	3	99%(390/395)	100%(4/4)
		766	4	162	99%(143/145)	100%(1/1)
1457	97.0	no close relatives				
1458	96.2	71	4	1	98%(386/395)	82%(9/11)
		86	9	1	98%(386/395)	82%(9/11)
		1413	4	1	98%(386/395)	75%(9/12)
		569	8	1	98%(385/395)	82%(9/11)
		1170	8	1	98%(385/395)	80%(8/10)
		1531	6	2	98%(385/395)	90%(9/10)
		2705	2	1	97%(382/394)	70%(7/10)
		2611	9	2	97%(382/395)	100%(8/8)
		1663	5	1	97%(369/382)	73%(8/11)
		2291	8	2	97%(381/395)	90%(9/10)
1459	99.2	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		98	2	3	100%(394/395)	100%(2/2)
		1514	2	8	100%(394/395)	100%(2/2)
		75	3	3	100%(393/395)	100%(2/2)
		199	3	13	100%(393/395)	100%(2/2)
		367	1	11	100%(393/395)	100%(2/2)
		399	3	13	100%(393/395)	100%(2/2)
		653	2	8	100%(393/395)	100%(2/2)
		672	1	2	100%(393/395)	100%(2/2)
		877	3	7	100%(391/393)	100%(2/2)
		1687	3	6	100%(393/395)	100%(2/2)
		2098	3	13	100%(393/395)	100%(2/2)
		2142	1	1	100%(393/395)	100%(3/3)
		2356	3	7	100%(393/395)	100%(2/2)
		2507	3	6	100%(393/395)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
1460	99.7	1426	1	1	100%(394/394)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
1461	99.0	246	1	124	100%(198/198)	100%(2/2)
		1030	2	69	100%(394/395)	100%(3/3)
		1688	2	73	100%(393/394)	100%(2/2)
		696	3	3	100%(393/395)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		1656	3	7	100%(393/395)	100%(3/3)
		2307	2	72	100%(194/195)	100%(1/1)
		1560	4	29	99%(305/307)	100%(2/2)
		55	4	6	99%(387/390)	100%(3/3)
		2621	3	3	99%(391/394)	100%(2/2)
1462	99.0	246	1	124	100%(198/198)	100%(2/2)
		1633	1	119	100%(203/203)	100%(2/2)
		1634	1	3	100%(395/395)	100%(4/4)
		361	2	73	100%(394/395)	100%(3/3)
		689	1	4	100%(394/395)	100%(4/4)
		1165	2	73	100%(394/395)	100%(3/3)
		1508	2	3	100%(394/395)	100%(4/4)
		1618	2	69	100%(394/395)	100%(3/3)
		2460	2	73	100%(394/395)	100%(3/3)
		415	3	9	100%(393/395)	100%(3/3)
		1158	3	3	100%(392/394)	67%(2/3)
		1323	3	7	100%(393/395)	100%(3/3)
		1476	3	8	100%(393/395)	100%(3/3)
		1584	3	6	100%(393/395)	100%(3/3)
		2444	3	9	100%(393/395)	100%(3/3)
		2689	2	6	100%(393/395)	100%(4/4)
		1702	2	3	99%(392/395)	100%(3/3)
1463	96.7	726	1	1	99%(389/394)	100%(10/10)
		1143	3	21	99%(194/197)	100%(1/1)
		2756	3	2	99%(388/394)	100%(8/8)
		68	2	1	98%(387/394)	90%(9/10)
		557	2	3	98%(387/394)	100%(9/9)
		365	4	1	98%(383/392)	80%(8/10)
		475s	3	1	98%(43/44)	75%(3/4)
		1375	1	1	98%(385/394)	80%(8/10)
		1377	1	4	98%(381/390)	100%(9/9)
		1113	4	1	97%(383/394)	89%(8/9)
1464	99.7	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
1465	97.5	414	5	6	99%(391/395)	100%(6/6)
		1466	5	6	99%(391/395)	100%(6/6)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2649	5	93	99%(144/146)	100%(2/2)
		852	5	3	99%(389/395)	100%(6/6)
		2141	7	1	99%(389/395)	83%(5/6)
		534	3	1	98%(371/379)	83%(5/6)
		1096	6	2	98%(382/390)	100%(6/6)
		349	4	1	98%(386/395)	83%(5/6)
1466	98.5	414	1	1	100%(395/395)	100%(6/6)

Ms	MT	OMs	C	N	Overall	non-MT
		410	1	2	100%(393/394)	100%(5/5)
		852	1	2	100%(393/395)	100%(6/6)
		1472	3	8	99%(392/395)	100%(4/4)
		2141	2	3	99%(392/395)	100%(5/5)
		1096	1	3	99%(386/390)	100%(6/6)
		1465	1	2	99%(391/395)	100%(6/6)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		269	2	2	99%(390/395)	100%(5/5)
		746	2	8	99%(390/395)	100%(4/4)
1467	98.8	246	1	124	100%(138/138)	100%(1/1)
		416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(172/172)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		2773	1	4	100%(335/335)	100%(4/4)
		516	2	2	100%(333/334)	100%(3/3)
		1034	2	1	100%(334/335)	100%(3/3)
		1494	2	4	100%(334/335)	100%(4/4)
		274	3	1	100%(188/189)	100%(2/2)
		925	3	1	99%(333/335)	100%(4/4)
		1032	3	1	99%(333/335)	100%(3/3)
		1205	3	1	99%(333/335)	100%(3/3)
		1367	2	1	99%(333/335)	100%(2/2)
		1791	2	1	99%(333/335)	100%(3/3)
		573	2	121	99%(147/148)	100%(1/1)
		2907	3	1	99%(237/239)	100%(2/2)
1468	98.5	1605	1	1	100%(393/395)	100%(6/6)
		171	1	1	99%(392/395)	100%(5/5)
		034	1	4	99%(391/395)	100%(4/4)
		1233	2	1	99%(391/395)	100%(6/6)
		1388	1	1	99%(383/387)	75%(3/4)
		1581	1	2	99%(390/394)	100%(3/3)
		2730	1	2	99%(391/395)	75%(3/4)
1469	99.5	Kr				
1470	98.5	461	3	18	99%(392/395)	100%(4/4)
		07	4	12	99%(391/395)	100%(4/4)
		550	7	13	99%(391/395)	100%(4/4)
		1341	5	21	99%(391/395)	100%(4/4)
		2297	4	15	99%(391/395)	100%(4/4)
		2725	7	33	99%(198/200)	100%(2/2)
		765	13	20	99%(390/395)	100%(4/4)
		778	2	11	99%(388/393)	100%(4/4)
		1295	8	20	99%(390/395)	100%(4/4)
		2907	8	39	99%(294/298)	100%(3/3)
1471	98.5	416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		1494	2	4	100%(394/395)	100%(5/5)
		1632	3	2	100%(393/395)	100%(5/5)
		2773	3	6	100%(393/395)	100%(4/4)

Ms	MT	OMs	C	N	Overall	non-MT
		1467	4	12	99%(333/335)	100%(4/4)
		573	2	121	99%(147/148)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
1472	98.7	1141	1	1	100%(394/395)	100%(4/4)
		771	2	82	100%(207/208)	100%(1/1)
		2665	1	2	100%(393/395)	100%(3/3)
		195	2	2	99%(392/395)	100%(4/4)
		210	2	3	99%(392/395)	100%(4/4)
		852	2	2	99%(392/395)	100%(5/5)
		2856	2	1	99%(392/395)	100%(4/4)
		1568	2	2	99%(391/395)	100%(3/3)
		2141	3	3	99%(391/395)	100%(4/4)
		2567	2	10	99%(208/210)	100%(1/1)
1473	99.2	416	1	226	100%(76/76)	100%(1/1)
		843	1	4	100%(395/395)	100%(3/3)
		2316	1	89	100%(130/130)	100%(1/1)
		2604	1	4	100%(395/395)	100%(3/3)
		896	2	3	100%(394/395)	100%(3/3)
		1167	2	3	100%(394/395)	100%(3/3)
		143	3	8	100%(393/395)	100%(2/2)
		496	1	3	100%(389/391)	100%(2/2)
		951	1	3	100%(393/395)	100%(2/2)
		1570	2	3	100%(393/395)	100%(3/3)
		573	2	121	99%(147/148)	100%(1/1)
1474	99.0	573	1	23	100%(148/148)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		516	3	13	100%(392/394)	100%(2/2)
		877	3	7	100%(391/393)	100%(2/2)
		2307	2	72	100%(194/195)	100%(1/1)
		274	4	20	99%(247/249)	100%(2/2)
1475	98.7	2307	2	72	100%(194/195)	100%(1/1)
		44	2	1	99%(391/395)	100%(4/4)
		57	7	6	99%(391/395)	100%(3/3)
		332	10	12	99%(373/377)	100%(3/3)
1476	99.0	1712	1	129	100%(191/191)	100%(1/1)
		361	2	73	100%(394/395)	100%(3/3)
		1165	2	73	100%(394/395)	100%(3/3)
		2460	2	73	100%(394/395)	100%(3/3)
		246	2	83	100%(197/198)	100%(2/2)
		415	3	9	100%(393/395)	100%(3/3)
		1323	3	7	100%(393/395)	100%(3/3)
		1462	3	7	100%(393/395)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		1634	3	7	100%(393/395)	100%(3/3)
		2444	3	9	100%(393/395)	100%(3/3)
1477	99.2	Kr				
1478s	95.9	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		573	2	121	99%(147/148)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(1/1)
		1804	7	160	98%(120/122)	100%(1/1)
		2649	8	93	98%(143/146)	100%(1/1)
1479	98.2	2649	6	3	99%(144/146)	75%(3/4)
		263	3	9	99%(389/395)	100%(4/4)
		2779	12	1	99%(268/272)	67%(2/3)
1480	98.5	no close relatives				
1481	98.5	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		1566	3	1	100%(393/395)	100%(5/5)
		2307	2	72	100%(194/195)	100%(2/2)
		871	4	1	99%(392/395)	100%(5/5)
		190	5	4	99%(391/395)	100%(4/4)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		746	2	8	99%(390/395)	100%(4/4)
		2437	4	2	99%(359/364)	100%(4/4)
1482	99.5	Kr				
1483	98.5	771	1	13	100%(208/208)	100%(2/2)
		864	1	2	100%(393/395)	100%(5/5)
		830	1	1	99%(375/378)	100%(4/4)
		1804	2	99	99%(121/122)	100%(2/2)
		2467	5	9	99%(278/282)	100%(2/2)
1484	98.2	2725	7	33	99%(198/200)	100%(2/2)
		274	9	39	99%(246/249)	100%(1/1)
1485	98.2	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		2307	2	72	100%(194/195)	100%(2/2)
		573	2	121	99%(147/148)	100%(2/2)
		274	4	20	99%(247/249)	100%(3/3)
		952	3	1	99%(392/395)	100%(5/5)
		1000	4	1	99%(391/395)	100%(6/6)
		1125	3	1	99%(391/395)	100%(6/6)
		1623	1	1	99%(391/395)	100%(6/6)
		904	4	12	99%(195/198)	100%(2/2)
1486	97.7	470	1	2	100%(395/395)	100%(9/9)
		490	1	2	100%(395/395)	100%(9/9)
		980	1	3	100%(394/395)	100%(8/8)
		771	2	82	100%(207/208)	100%(1/1)
		839	1	4	100%(393/395)	100%(8/8)
		2321	1	4	100%(393/395)	100%(8/8)
		395	3	3	99%(391/395)	88%(7/8)
		443	2	4	99%(390/395)	100%(8/8)
		766	4	162	99%(143/145)	100%(1/1)
		159	2	4	99%(388/394)	100%(8/8)
1487	99.5	Kr				
1488	99.5	Kr				

Ms	MT	OMs	C	N	Overall	non-MT
1489	99.2	Kr				
1490	99.5	Kr				
1491	98.2	416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		274	4	20	99%(247/249)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		111	6	1	99%(390/395)	100%(4/4)
		906	4	1	99%(390/395)	100%(5/5)
		766	4	162	99%(143/145)	100%(1/1)
1492	99.5	Kr				
1493	99.5	Kr				
1494	98.7	416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		1467	2	3	100%(334/335)	100%(4/4)
		1471	2	1	100%(394/395)	100%(5/5)
		1632	2	1	100%(394/395)	100%(5/5)
		2773	2	2	100%(394/395)	100%(4/4)
		516	3	13	100%(392/394)	100%(3/3)
		1205	2	4	100%(393/395)	100%(4/4)
		573	2	121	99%(147/148)	100%(1/1)
		1521	3	2	99%(391/395)	100%(3/3)
		2135	3	5	99%(391/395)	100%(5/5)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
1495	97.7	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		60	3	1	100%(394/395)	89%(8/9)
		1454	2	2	100%(394/395)	100%(8/8)
		1685	3	2	99%(392/395)	100%(8/8)
		779	2	79	99%(84/85)	100%(1/1)
		2868	3	2	99%(390/395)	100%(6/6)
		2649	5	93	99%(144/146)	100%(3/3)
		1084	4	2	99%(389/395)	57%(4/7)
		500	4	14	98%(258/263)	100%(3/3)
1496	99.5	Kr				
1497	99.2	Kr				
1498	96.7	2782	2	100	99%(127/128)	100%(2/2)
		1804	7	160	98%(120/122)	100%(1/1)
		2283	9	1	98%(388/395)	89%(8/9)
		1215	9	2	98%(386/395)	90%(9/10)
		2897	10	1	98%(386/395)	89%(8/9)
		2605	4	1	97%(384/395)	90%(9/10)
		54	5	1	97%(383/395)	88%(7/8)
1499	99.2	Kr				
1501	99.2	Kr				
1502	97.0	766	2	54	99%(144/145)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		954	2	1	98%(385/395)	100%(7/7)
		274s	5	1	97%(144/148)	75%(3/4)
		557	10	2	97%(384/395)	86%(6/7)
1503	99.5	Kr				
1504	98.0	no close relatives				
1505	98.0	1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2495	1	1	99%(390/395)	83%(5/6)
		906	6	2	98%(388/395)	80%(4/5)
1506	93.9	731s	2	2	98%(43/44)	100%(1/1)
		370	18	2	97%(122/126)	100%(4/4)
		315	27	1	96%(377/391)	93%(13/14)
		1336	22	1	95%(309/325)	92%(11/12)
		2206	6	1	95%(369/389)	93%(14/15)
		744	11	1	95%(370/391)	88%(14/16)
		1534	14	1	95%(370/391)	92%(12/13)
		833	3	1	94%(368/391)	88%(14/16)
1508	98.7	246	1	124	100%(198/198)	100%(2/2)
		1633	1	119	100%(203/203)	100%(2/2)
		1462	2	6	100%(394/395)	100%(4/4)
		1634	2	6	100%(394/395)	100%(4/4)
		2689	1	2	100%(394/395)	100%(5/5)
		361	4	71	100%(393/395)	100%(3/3)
		689	2	7	100%(393/395)	100%(4/4)
		1618	3	70	100%(393/395)	100%(3/3)
		1614	2	2	99%(392/395)	100%(5/5)
		1702	3	2	99%(391/395)	100%(3/3)
1509	98.2	416	1	226	100%(76/76)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1804	7	160	98%(120/122)	100%(1/1)
1510	98.2	100	4	3	99%(391/394)	100%(4/4)
		278	1	1	99%(387/390)	100%(6/6)
		1164	4	3	99%(391/394)	100%(4/4)
		1340	4	3	99%(388/391)	100%(4/4)
		371	4	2	99%(390/394)	100%(4/4)
		1057	4	9	99%(390/394)	100%(4/4)
		1235	4	2	99%(390/394)	100%(4/4)
		2346	4	3	99%(390/394)	100%(4/4)
		1056	4	2	99%(389/394)	100%(4/4)
		276	3	2	99%(388/394)	100%(5/5)
1511	97.5	775	6	1	98%(388/395)	83%(5/6)
		449	25	3	98%(387/395)	83%(5/6)
		2236	1	1	98%(386/395)	100%(7/7)
		2603	15	5	98%(386/395)	100%(6/6)
1512	98.0	no close relatives				
1513	97.2	78	2	2	99%(391/394)	100%(8/8)
		1448	3	3	99%(390/395)	100%(8/8)
		1701	3	3	99%(389/395)	100%(9/9)
		127	5	1	98%(387/395)	100%(7/7)

Ms	MT	OMs	C	N	Overall	non-MT
		132	4	1	98%(387/395)	100%(8/8)
		279	1	1	98%(387/395)	90%(9/10)
		175	2	1	98%(386/395)	80%(8/10)
1514	99.5	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		199	2	4	100%(394/395)	100%(2/2)
		399	2	1	100%(394/395)	100%(2/2)
		653	1	1	100%(394/395)	100%(2/2)
		1459	2	2	100%(394/395)	100%(2/2)
		1687	2	1	100%(394/395)	100%(2/2)
		2098	2	4	100%(394/395)	100%(2/2)
		2356	2	1	100%(394/395)	100%(2/2)
		2507	2	1	100%(394/395)	100%(2/2)
1515	96.5	no close relatives				
1519	97.2	416	1	226	100%(76/76)	100%(1/1)
		179	6	86	99%(247/249)	100%(2/2)
		711	5	109	99%(219/221)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(2/2)
		2414	7	17	99%(265/269)	100%(3/3)
		1804	7	160	98%(120/122)	100%(2/2)
		748	6	64	98%(178/181)	100%(2/2)
		2649	8	93	98%(143/146)	100%(2/2)
1520	98.5	no close relatives				
1521	98.7	774	1	2	100%(393/395)	100%(3/3)
		2307	2	72	100%(194/195)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		1205	7	21	99%(391/395)	100%(3/3)
		1494	6	13	99%(391/395)	100%(3/3)
		274	9	39	99%(246/249)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
1528	96.7	1216	4	5	98%(388/395)	100%(7/7)
		16	1	1	98%(385/395)	92%(11/12)
		152	6	2	98%(385/395)	100%(8/8)
		477	3	1	98%(385/395)	100%(9/9)
		1243	2	2	98%(384/394)	100%(9/9)
		1579	1	2	98%(385/395)	100%(9/9)
		2174	6	2	98%(385/395)	100%(7/7)
		184	4	2	97%(383/394)	100%(7/7)
		977	3	1	97%(384/395)	100%(8/8)
		182	1	1	97%(383/395)	100%(9/9)
1530	98.7	2362	1	1	100%(391/392)	100%(4/4)
		507	2	1	99%(389/392)	100%(4/4)
1531	96.5	2387	1	1	99%(392/395)	100%(11/11)
		86	2	1	99%(391/395)	100%(12/12)
		2291	1	1	99%(391/395)	100%(14/14)
		2611	1	1	99%(391/395)	100%(12/12)
		569	3	1	99%(390/395)	100%(12/12)



Ms	MT	OMs	C	N	Overall	non-MT
		1170	3	1	99%(390/395)	100%(11/11)
		1788	2	1	99%(386/391)	90%(9/10)
		71	3	2	98%(386/395)	90%(9/10)
		1458	3	1	98%(385/395)	90%(9/10)
		2705	3	3	97%(381/394)	67%(6/9)
1532	97.0	2679s	2	92	99%(98/99)	100%(2/2)
1533	95.9	835	3	1	99%(391/395)	100%(13/13)
		729	3	1	99%(369/374)	93%(13/14)
		684	8	2	99%(389/395)	92%(12/13)
		727	7	2	99%(388/394)	92%(11/12)
		749	7	1	99%(388/394)	92%(12/13)
		1252	6	2	99%(389/395)	92%(11/12)
		834	5	2	98%(388/395)	92%(12/13)
		1182	2	3	98%(216/220)	100%(7/7)
		1261	8	2	98%(382/390)	92%(12/13)
		993	6	10	97%(382/392)	100%(9/9)
1534	94.4	857	1	1	99%(391/395)	100%(19/19)
		723	1	2	99%(390/395)	100%(17/17)
		2470	12	1	98%(348/356)	93%(14/15)
		1336	14	1	97%(318/328)	92%(12/13)
		818	11	1	97%(381/395)	92%(12/13)
		428	12	1	96%(379/394)	86%(12/14)
		1021	10	1	96%(374/389)	73%(11/15)
		741	14	1	96%(377/393)	87%(13/15)
		744	8	1	95%(377/395)	82%(14/17)
		1506	6	1	95%(370/391)	92%(12/13)
1535	97.7	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		190	7	7	99%(390/395)	100%(5/5)
		2649	5	93	99%(144/146)	100%(3/3)
		577	5	1	99%(389/395)	100%(6/6)
		32	8	3	98%(387/395)	100%(6/6)
		269	9	3	98%(387/395)	100%(5/5)
		2812	8	3	98%(387/395)	100%(6/6)
1536	95.9	684	8	2	99%(389/395)	92%(12/13)
		727	7	2	99%(388/394)	92%(11/12)
		1252	6	2	99%(389/395)	92%(11/12)
		834	5	2	98%(388/395)	92%(12/13)
		1261	8	2	98%(382/390)	92%(12/13)
		2185	4	1	98%(373/381)	77%(10/13)
		731s	1	10	98%(44/45)	100%(2/2)
		2214	5	1	98%(385/395)	91%(10/11)
		1182	6	1	97%(214/220)	88%(7/8)
		2452	5	1	97%(337/349)	90%(9/10)
1538	98.5	416	1	226	100%(76/76)	100%(1/1)
		711	2	25	100%(220/221)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
		438	3	7	99%(392/395)	100%(5/5)
		1804	2	99	99%(121/122)	100%(2/2)
		2782	2	100	99%(127/128)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		481	2	1	99%(391/395)	100%(4/4)
		1201	3	2	99%(391/395)	80%(4/5)
		1418	3	5	99%(391/395)	100%(4/4)
		1438	2	3	99%(391/395)	100%(4/4)
		748	2	29	99%(179/181)	100%(2/2)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		193	3	2	99%(390/395)	100%(5/5)
		355	3	3	99%(390/395)	100%(5/5)
		528	1	2	99%(390/395)	100%(6/6)
		661	2	4	99%(390/395)	100%(4/4)
		1624	3	1	99%(390/395)	100%(5/5)
1539	99.0	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		877	3	7	100%(391/393)	100%(2/2)
		2650	1	3	100%(203/204)	100%(1/1)
		573	2	121	99%(147/148)	100%(2/2)
		274	4	20	99%(247/249)	100%(2/2)
1540	97.0	274	8	1	99%(182/184)	67%(2/3)
		1190	5	4	99%(325/330)	100%(7/7)
		2135	7	4	99%(325/330)	100%(7/7)
		1063	7	3	98%(324/330)	100%(6/6)
		1409	4	1	98%(323/330)	100%(7/7)
		2709	6	1	98%(323/330)	100%(7/7)
		2908	6	47	98%(88/90)	100%(3/3)
		262	3	1	97%(321/330)	80%(4/5)
		988	6	1	97%(321/330)	100%(6/6)
		2679s	11	1	97%(33/34)	100%(1/1)
1541	97.9	no close relatives				
1542	96.9	1166	1	1	99%(388/393)	100%(10/10)
		1314	1	1	99%(388/393)	89%(8/9)
		370	8	42	98%(122/125)	100%(2/2)
		2304	12	1	98%(383/393)	86%(6/7)
1543	98.5	1400	1	119	100%(211/211)	100%(1/1)
		2177	1	22	99%(157/158)	100%(1/1)
		1068	5	1	99%(389/394)	100%(3/3)
1544	98.7	1712	1	129	100%(191/191)	100%(1/1)
		1656	2	9	100%(394/395)	100%(4/4)
		932	3	69	100%(393/395)	100%(3/3)
		961	3	69	100%(393/395)	100%(3/3)
		1596	3	69	100%(393/395)	100%(3/3)
		1620	3	69	100%(393/395)	100%(3/3)
		1628	3	69	100%(393/395)	100%(3/3)
		2122	3	69	100%(393/395)	100%(3/3)
		2307	2	72	100%(194/195)	100%(1/1)
		1057	3	1	99%(392/395)	75%(3/4)
		986	3	8	99%(391/395)	100%(3/3)
1545	98.2	2782	1	33	100%(128/128)	100%(2/2)
		240	3	14	100%(393/395)	100%(5/5)

Ms	MT	OMs	C	N	Overall	non-MT
		730	3	17	100%(387/389)	100%(4/4)
		2101	3	7	99%(389/392)	100%(5/5)
		305	3	5	99%(386/390)	100%(5/5)
		324	4	1	99%(391/395)	60%(3/5)
		1280	4	4	99%(391/395)	100%(5/5)
		2224	3	9	99%(391/395)	100%(4/4)
		196	3	3	99%(390/395)	100%(5/5)
		1306	3	1	98%(363/369)	100%(5/5)
1546	94.9	no close relatives				
1547	98.5	771	2	82	100%(207/208)	100%(1/1)
		179	6	86	99%(247/249)	100%(2/2)
		2315	1	2	99%(392/395)	100%(5/5)
		711	5	109	99%(219/221)	100%(1/1)
		986	4	1	99%(391/395)	75%(3/4)
		1035	7	2	99%(390/395)	75%(3/4)
		1649	4	1	99%(390/395)	75%(3/4)
		766	4	162	99%(143/145)	100%(1/1)
		2467	6	1	99%(278/282)	67%(2/3)
1548	99.5	Kr				
1549	97.7	651	1	1	100%(394/395)	100%(8/8)
		2146	2	1	99%(391/395)	100%(8/8)
		335	7	2	98%(223/227)	67%(2/3)
1550	99.5	Kr				
1551	99.2	Kr				
1552	98.7	387	1	4	100%(394/395)	100%(4/4)
		246	2	83	100%(197/198)	100%(2/2)
		1389	5	67	100%(393/395)	100%(3/3)
		1477	5	67	100%(393/395)	100%(3/3)
		1497	5	67	100%(393/395)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		806	5	6	99%(392/395)	100%(3/3)
		953	4	1	99%(392/395)	100%(3/3)
		2355	3	1	99%(392/395)	100%(3/3)
		1813	2	1	99%(391/395)	100%(4/4)
1553	97.2	1138	1	1	99%(386/391)	100%(9/9)
		498	4	2	99%(385/391)	100%(6/6)
		1126	5	1	98%(381/390)	100%(6/6)
		1202	6	1	97%(381/391)	100%(6/6)
1554	98.2	153	11	7	99%(390/395)	100%(4/4)
		190	9	2	99%(390/395)	60%(3/5)
		766	4	162	99%(143/145)	100%(1/1)
		2732	14	10	99%(389/395)	100%(4/4)
		1804	7	160	98%(120/122)	100%(1/1)
1555	97.7	2586	5	3	98%(387/394)	100%(5/5)
1556	97.1	419	4	1	98%(370/376)	88%(7/8)
		1013	8	1	98%(377/384)	100%(7/7)
		1085	8	1	98%(377/384)	100%(7/7)
		904	8	2	98%(194/198)	67%(2/3)
		2238	10	1	98%(368/377)	86%(6/7)
1557	98.0	925	6	6	99%(391/395)	100%(5/5)

Ms	MT	OMs	C	N	Overall	non-MT
		1396	1	1	99%(391/395)	100%(7/7)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		762	3	1	99%(389/395)	100%(5/5)
		904	4	12	99%(195/198)	100%(2/2)
1558	97.8	2670	1	1	99%(352/356)	100%(5/5)
1559	99.5	Kr				
1560	99.0	246	1	124	100%(110/110)	100%(1/1)
		2679s	1	22	100%(11/11)	100%(1/1)
		83	2	69	100%(306/307)	100%(2/2)
		645	1	7	100%(306/307)	100%(2/2)
		1023	2	70	100%(305/306)	100%(2/2)
		1030	2	69	100%(306/307)	100%(2/2)
		1688	2	73	100%(305/306)	100%(1/1)
		1698	2	69	100%(306/307)	100%(2/2)
		1705	2	69	100%(306/307)	100%(2/2)
		2364s	2	69	100%(306/307)	100%(2/2)
		2177	1	22	99%(158/159)	100%(1/1)
		2307	3	2	99%(155/156)	100%(1/1)
		55	3	2	99%(305/307)	100%(2/2)
		959	3	2	99%(305/307)	100%(2/2)
		991	2	1	99%(305/307)	100%(1/1)
		1088	2	1	99%(305/307)	100%(2/2)
		1185	1	1	99%(305/307)	100%(2/2)
		1442	3	1	99%(305/307)	100%(3/3)
		1585	1	1	99%(305/307)	67%(2/3)
		1637	2	1	99%(305/307)	100%(2/2)
		1680	3	1	99%(305/307)	100%(2/2)
		1786	2	1	99%(304/306)	100%(2/2)
		2496	3	2	99%(305/307)	100%(2/2)
		2715	1	1	99%(304/306)	100%(3/3)
1561	98.0	1712	1	129	100%(191/191)	100%(1/1)
		582	2	1	99%(391/395)	86%(6/7)
		2492	1	2	99%(379/384)	100%(6/6)
		1026	8	1	99%(389/395)	100%(7/7)
		2756	4	2	99%(389/395)	83%(5/6)
		017	2	1	98%(388/395)	100%(5/5)
		220	6	1	98%(388/395)	100%(5/5)
		2193	7	5	98%(388/395)	100%(6/6)
		2278	5	1	98%(388/395)	80%(4/5)
		2280	6	3	98%(388/395)	100%(6/6)
1562	98.7	2471	1	2	100%(394/395)	100%(4/4)
		2439	2	1	100%(393/395)	100%(4/4)
1563	98.0	416	1	226	100%(76/76)	100%(1/1)
		111	4	1	99%(391/395)	100%(5/5)
		823	4	1	99%(391/395)	100%(5/5)
		906	5	1	99%(389/395)	100%(5/5)
1564	98.2	416	1	226	100%(75/75)	100%(1/1)
		2316	1	89	100%(127/127)	100%(1/1)
		573	2	121	99%(141/142)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		1804	2	99	99%(118/119)	100%(1/1)
		2782	2	100	99%(123/124)	100%(1/1)
		280	2	1	99%(363/367)	100%(4/4)
		1343	2	233	99%(80/81)	100%(1/1)
		2634	2	234	99%(79/80)	100%(1/1)
		2195	3	5	99%(375/380)	100%(3/3)
		1216	3	2	98%(374/380)	100%(3/3)
		1349	3	7	98%(181/184)	100%(1/1)
1565	98.3	2307	2	72	100%(185/186)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		274	6	1	99%(202/204)	100%(2/2)
		358	5	1	99%(346/350)	100%(4/4)
		370	3	1	99%(92/93)	100%(3/3)
		2592	6	2	99%(345/349)	100%(4/4)
		1343	2	233	99%(83/84)	100%(1/1)
		1564	5	4	99%(333/337)	100%(3/3)
		2634	2	234	99%(82/83)	100%(1/1)
		2717	5	1	98%(182/185)	100%(1/1)
1566	98.5	416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		871	2	1	100%(394/395)	100%(6/6)
		1481	2	2	100%(393/395)	100%(5/5)
		573	2	121	99%(147/148)	100%(1/1)
		2437	2	1	99%(361/364)	100%(5/5)
		1110	2	2	99%(391/395)	100%(6/6)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		746	2	8	99%(390/395)	100%(4/4)
1567	96.4	1343	2	233	99%(82/83)	100%(2/2)
		2634	2	234	99%(81/82)	100%(2/2)
		2649	10	9	98%(142/145)	67%(2/3)
1568	98.7	1141	3	4	99%(392/395)	100%(3/3)
		1586	5	4	99%(392/395)	100%(3/3)
		2388	3	1	99%(392/395)	100%(5/5)
		1472	5	6	99%(391/395)	100%(3/3)
		2141	3	3	99%(391/395)	100%(4/4)
1569	97.7	416	1	226	100%(73/73)	100%(1/1)
		2316	1	89	100%(122/122)	100%(1/1)
		573	2	121	99%(139/140)	100%(1/1)
		766	2	54	99%(136/137)	100%(1/1)
		1804	4	3	99%(115/116)	100%(1/1)
		1343	2	233	99%(80/81)	100%(1/1)
		2634	2	234	99%(79/80)	100%(1/1)
		2649	5	93	99%(136/138)	100%(1/1)
		748	6	64	98%(170/173)	100%(1/1)
1570	98.7	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		843	3	4	100%(393/395)	100%(3/3)
		1473	3	4	100%(393/395)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		2604	3	4	100%(393/395)	100%(3/3)
		573	2	121	99%(147/148)	100%(1/1)
		896	5	2	99%(392/395)	100%(3/3)
		2142	2	4	99%(391/395)	100%(3/3)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
1571	98.1	no close relatives				
1571s	95.2	2214	24	1	96%(181/188)	75%(3/4)
1572	99.5	Kr				
1573	96.2	766	4	162	99%(143/145)	100%(3/3)
		2679s	8	83	98%(97/99)	100%(2/2)
1574	93.7	370	9	2	98%(124/127)	80%(4/5)
1575	99.0	179	6	86	99%(247/249)	100%(2/2)
		219	5	16	99%(392/395)	100%(3/3)
		1155	4	11	99%(392/395)	100%(3/3)
		2396	2	3	99%(391/394)	100%(4/4)
		2782	2	100	99%(127/128)	100%(1/1)
1576	99.5	Kr				
1577	95.9	no close relatives				
1578	98.7	no close relatives				
1579	96.2	513	5	1	98%(385/395)	90%(9/10)
		977	2	2	98%(385/395)	90%(9/10)
		1243	2	2	98%(384/394)	100%(10/10)
		1528	3	6	98%(385/395)	100%(9/9)
		152	9	2	97%(383/395)	100%(8/8)
		477	4	1	97%(383/395)	100%(9/9)
		16	4	1	97%(381/395)	91%(10/11)
		555	7	1	97%(381/395)	100%(8/8)
1580	97.5	2398	1	1	99%(237/239)	100%(2/2)
		904	4	12	99%(195/198)	100%(2/2)
		998	2	1	99%(389/395)	100%(7/7)
		180	2	3	98%(387/395)	100%(8/8)
		2679s	8	83	98%(97/99)	100%(1/1)
		370	8	42	98%(124/127)	100%(2/2)
1581	98.7	034	1	4	99%(390/394)	100%(3/3)
		1468	3	3	99%(390/394)	100%(3/3)
1582	91.4	1	1	1	100%(393/394)	100%(34/34)
		2517	2	2	98%(127/130)	82%(9/11)
		209	7	1	96%(380/394)	96%(24/25)
		565	2	1	96%(377/392)	86%(24/28)
		2702	1	1	96%(377/394)	91%(20/22)
		357	7	1	95%(375/394)	100%(23/23)
		205	5	1	95%(373/393)	84%(21/25)
		2886	5	1	95%(373/393)	83%(19/23)
		2713	7	1	95%(373/394)	91%(20/22)
		087	7	2	92%(48/52)	75%(3/4)
1583	98.5	573	2	121	99%(147/148)	100%(1/1)
		2782	2	100	99%(127/128)	100%(2/2)
		2908	2	37	99%(89/90)	100%(2/2)
		779	2	79	99%(84/85)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2717	4	13	99%(227/230)	100%(2/2)
1584	99.0	689	1	4	100%(394/395)	100%(4/4)
		1618	2	69	100%(394/395)	100%(3/3)
		1131	1	1	100%(282/283)	100%(3/3)
		246	2	83	100%(197/198)	100%(2/2)
		1145	3	66	100%(372/374)	100%(2/2)
		1462	3	7	100%(393/395)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		1634	3	7	100%(393/395)	100%(3/3)
		2689	2	6	100%(393/395)	100%(4/4)
		1702	2	3	99%(392/395)	100%(3/3)
1585	98.5	1560	5	1	99%(305/307)	67%(2/3)
		509	2	1	99%(391/395)	100%(4/4)
		1120	8	22	99%(391/395)	100%(4/4)
		887	6	1	99%(390/395)	100%(4/4)
1586	99.0	55	2	1	100%(388/390)	75%(3/4)
		769	4	1	100%(393/395)	67%(2/3)
		771	2	82	100%(207/208)	100%(1/1)
		1030	5	1	100%(393/395)	67%(2/3)
		1141	2	5	100%(393/395)	100%(3/3)
		1445	4	1	100%(393/395)	67%(2/3)
		2255	4	1	100%(393/395)	67%(2/3)
		1560	4	29	99%(305/307)	100%(2/2)
		1472	3	8	99%(392/395)	100%(3/3)
		1568	1	3	99%(392/395)	100%(3/3)
1588	96.5	416	1	226	100%(76/76)	100%(1/1)
		1804	1	15	100%(122/122)	100%(3/3)
		119	2	3	99%(392/395)	100%(13/13)
		491	2	2	99%(388/391)	100%(9/9)
		2782	2	100	99%(127/128)	100%(2/2)
		330	3	4	99%(390/394)	100%(11/11)
		766	4	162	99%(143/145)	100%(2/2)
		191	3	1	99%(389/395)	100%(11/11)
		217	5	1	98%(388/395)	100%(12/12)
		578	6	2	98%(387/395)	100%(11/11)
1589	97.2	2394	4	1	98%(387/395)	100%(7/7)
		649	5	24	98%(87/89)	100%(1/1)
		776	6	1	98%(385/394)	100%(7/7)
		2145	2	1	98%(385/395)	89%(8/9)
1590	99.3	512	1	2	100%(146/146)	100%(1/1)
		1068	1	1	100%(146/146)	100%(1/1)
1592	98.0	997	1	1	100%(393/395)	100%(7/7)
		353	2	7	99%(392/395)	100%(6/6)
		989	4	3	99%(391/395)	100%(6/6)
		770	2	2	99%(376/380)	100%(7/7)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		36	2	1	99%(390/395)	100%(7/7)

Ms	MT	OMs	C	N	Overall	non-MT
		186	2	2	99%(390/395)	100%(7/7)
		2482	1	4	99%(389/395)	100%(6/6)
		1364	3	1	98%(388/395)	86%(6/7)
1593	96.2	no close relatives				
1594	98.5	1787	1	1	100%(395/395)	100%(6/6)
		1290	1	2	100%(394/395)	100%(5/5)
		771	2	82	100%(207/208)	100%(1/1)
		484	4	3	99%(392/395)	80%(4/5)
		2641	2	6	99%(392/395)	100%(4/4)
		234	2	2	99%(391/395)	100%(4/4)
		979	2	5	99%(390/394)	100%(3/3)
		1391	2	3	99%(391/395)	100%(5/5)
		502	4	7	99%(390/395)	100%(4/4)
		2315	3	2	99%(390/395)	100%(4/4)
1595	97.2	2679s	2	92	99%(98/99)	100%(2/2)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		761	7	1	99%(389/395)	67%(6/9)
		188	4	1	98%(388/395)	75%(6/8)
		2649	10	9	98%(143/146)	67%(2/3)
		2908	6	47	98%(88/90)	100%(2/2)
		80	3	1	98%(386/395)	100%(7/7)
		1781	11	1	98%(386/395)	100%(6/6)
		2118	8	1	98%(386/395)	86%(6/7)
1596	99.2	Kr				
1597	98.0	2649	1	2	100%(146/146)	100%(4/4)
		2782	2	100	99%(127/128)	100%(1/1)
		1598	5	8	99%(391/395)	100%(5/5)
		2500	6	5	99%(391/395)	100%(6/6)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		60	6	4	99%(390/395)	100%(6/6)
		851	4	3	99%(386/392)	100%(6/6)
		52	6	3	98%(385/392)	100%(7/7)
1598	98.5	416	1	226	100%(76/76)	100%(1/1)
		711	2	25	100%(220/221)	100%(2/2)
		2500	2	3	100%(393/395)	100%(6/6)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		2782	2	100	99%(127/128)	100%(1/1)
		851	1	2	99%(388/392)	100%(6/6)
		995	3	1	99%(391/395)	100%(5/5)
		1597	3	2	99%(391/395)	100%(5/5)
		2371	3	1	99%(391/395)	80%(4/5)
		748	2	29	99%(179/181)	100%(2/2)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
1599	99.2	Kr				



Ms	MT	OMs	C	N	Overall	non-MT
1600	99.0	1092	1	104	100%(252/252)	100%(1/1)
		1400	1	119	100%(211/211)	100%(1/1)
		575	2	67	100%(394/395)	100%(3/3)
		932	2	70	100%(394/395)	100%(3/3)
		961	2	70	100%(394/395)	100%(3/3)
		1117	2	67	100%(394/395)	100%(3/3)
		1596	2	70	100%(394/395)	100%(3/3)
		1620	2	70	100%(394/395)	100%(3/3)
		1628	2	70	100%(394/395)	100%(3/3)
		1686	2	67	100%(394/395)	100%(3/3)
		2122	2	70	100%(394/395)	100%(3/3)
		2352	2	67	100%(394/395)	100%(3/3)
		246	2	83	100%(197/198)	100%(2/2)
		758	3	5	100%(393/395)	100%(3/3)
		1035	1	3	100%(393/395)	100%(4/4)
		1633	2	77	100%(202/203)	100%(2/2)
		1656	3	7	100%(393/395)	100%(3/3)
		2466	3	6	100%(393/395)	100%(3/3)
		986	2	8	99%(392/395)	100%(3/3)
		1057	2	8	99%(392/395)	100%(3/3)
		1235	3	4	99%(392/395)	100%(3/3)
1602	98.5	2679s	2	92	99%(98/99)	100%(2/2)
		1359	1	1	99%(390/395)	75%(3/4)
1603	98.7	779	2	79	99%(84/85)	100%(1/1)
1604	98.5	no close relatives				
1605	98.0	1468	1	1	100%(393/395)	100%(6/6)
		034	1	4	99%(391/395)	100%(5/5)
		171	2	2	99%(390/395)	100%(5/5)
		1233	4	1	99%(389/395)	100%(6/6)
1606	96.1	649	5	24	98%(87/89)	100%(1/1)
1609	98.2	246	2	83	100%(197/198)	100%(2/2)
		1633	2	77	100%(202/203)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		240	6	9	99%(391/395)	100%(4/4)
		196	3	3	99%(390/395)	100%(5/5)
		1456	4	4	99%(390/395)	100%(4/4)
		2101	6	2	99%(387/392)	100%(4/4)
		305	6	1	99%(384/390)	100%(4/4)
		1545	8	5	99%(389/395)	100%(4/4)
		2765	7	6	99%(389/395)	100%(4/4)
1613	96.7	854	1	1	100%(393/395)	100%(12/12)
		2735	1	3	99%(392/395)	100%(13/13)
		742	4	3	99%(390/394)	92%(11/12)
		1160	2	2	99%(391/395)	100%(12/12)
		315	4	3	99%(389/395)	100%(12/12)
		1684	4	6	99%(389/395)	100%(8/8)
		370	4	18	98%(125/127)	100%(4/4)
		993	1	3	98%(385/392)	100%(9/9)
		755	3	1	97%(384/395)	100%(7/7)
		886	3	3	97%(383/394)	100%(10/10)

Ms	MT	OMs	C	N	Overall	non-MT
1614	98.0	2689	2	6	100%(393/395)	100%(6/6)
		689	4	6	99%(392/395)	100%(5/5)
		1508	5	7	99%(392/395)	100%(5/5)
		2399	8	4	98%(238/242)	100%(4/4)
1615	98.2	979	1	1	100%(392/394)	100%(5/5)
		2467	2	6	99%(280/282)	100%(4/4)
		1024	1	1	99%(391/394)	86%(6/7)
		498	1	2	99%(390/394)	100%(5/5)
		957	3	2	99%(390/394)	100%(4/4)
		1126	2	1	99%(387/393)	100%(5/5)
		1202	2	2	99%(388/394)	100%(6/6)
1617	99.2	Kr				
1618	99.2	Kr				
1619	99.2	Kr				
1620	99.2	Kr				
1622s	97.7	2679s	1	22	100%(99/99)	100%(3/3)
		956	2	2	100%(394/395)	100%(8/8)
		1640	2	2	100%(394/395)	100%(8/8)
		2282s	2	2	100%(394/395)	100%(8/8)
		771	2	82	100%(207/208)	100%(2/2)
		1629	3	2	100%(393/395)	100%(8/8)
		963	2	2	99%(392/395)	100%(8/8)
		1054s	3	2	99%(392/395)	100%(8/8)
		1086	3	3	99%(392/395)	100%(8/8)
		1804	2	99	99%(121/122)	100%(2/2)
		2136	3	5	99%(392/395)	100%(6/6)
		2137	3	5	99%(392/395)	100%(6/6)
		289	3	2	99%(391/395)	100%(8/8)
		2737	2	3	99%(391/395)	100%(8/8)
		2758s	3	2	99%(390/395)	100%(8/8)
		1017	2	2	99%(389/395)	88%(7/8)
1623	97.7	1485	5	3	99%(391/395)	100%(6/6)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		904	4	12	99%(195/198)	100%(3/3)
		283	2	5	98%(159/162)	100%(1/1)
		1000	8	3	98%(387/395)	100%(5/5)
		1125	7	2	98%(387/395)	100%(5/5)
1624	97.7	2634	1	57	100%(83/83)	100%(2/2)
		1343	2	233	99%(83/84)	100%(2/2)
		2649	5	93	99%(144/146)	100%(3/3)
		193	5	3	99%(389/395)	100%(6/6)
		548	8	3	98%(388/395)	100%(5/5)
		1012	6	1	98%(388/395)	83%(5/6)
		2586	5	3	98%(387/394)	100%(5/5)
		2868	6	7	98%(388/395)	100%(5/5)
		2499	7	3	98%(387/395)	100%(6/6)
		2526	5	4	98%(276/282)	100%(3/3)
1625	97.4	1236	3	1	98%(372/379)	83%(5/6)
		676	2	1	98%(370/379)	83%(5/6)

Ms	MT	OMs	C	N	Overall	non-MT
1626	96.4	2705	1	1	99%(388/394)	100%(11/11)
1627	95.4	1690	1	1	99%(391/395)	100%(14/14)
		1272	2	1	98%(387/395)	93%(13/14)
		2463	4	3	98%(387/395)	100%(12/12)
		2902	9	3	98%(387/395)	100%(12/12)
		1079	10	3	98%(386/395)	100%(12/12)
		1699	7	3	98%(386/395)	100%(10/10)
		114	10	3	97%(384/395)	100%(11/11)
		581	6	1	97%(384/395)	92%(12/13)
		2404	5	3	97%(382/395)	100%(12/12)
		2411	7	1	96%(361/376)	91%(10/11)
1628	99.2	Kr				
1629	97.7	2679s	1	22	100%(99/99)	100%(3/3)
		956	2	2	100%(394/395)	100%(8/8)
		1640	2	2	100%(394/395)	100%(8/8)
		2282s	2	2	100%(394/395)	100%(8/8)
		771	2	82	100%(207/208)	100%(2/2)
		1622s	3	2	100%(393/395)	100%(8/8)
		963	2	2	99%(392/395)	100%(8/8)
		1054s	3	2	99%(392/395)	100%(8/8)
		1086	3	3	99%(392/395)	100%(8/8)
		1804	2	99	99%(121/122)	100%(2/2)
		2136	3	5	99%(392/395)	100%(6/6)
		2137	3	5	99%(392/395)	100%(6/6)
		289	3	2	99%(391/395)	100%(8/8)
		2737	2	3	99%(391/395)	100%(8/8)
		2758s	3	2	99%(390/395)	100%(8/8)
		1017	2	2	99%(389/395)	88%(7/8)
1630	97.5	2567	2	10	99%(207/209)	100%(2/2)
1632	98.5	416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		1494	2	4	100%(394/395)	100%(5/5)
		1471	3	2	100%(393/395)	100%(5/5)
		2773	3	6	100%(393/395)	100%(4/4)
		573	2	121	99%(147/148)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		039	3	1	99%(390/395)	60%(3/5)
1633	99.0	Kr				
1634	99.0	246	1	124	100%(198/198)	100%(2/2)
		1462	1	3	100%(395/395)	100%(4/4)
		1633	1	119	100%(203/203)	100%(2/2)
		361	2	73	100%(394/395)	100%(3/3)
		689	1	4	100%(394/395)	100%(4/4)
		1165	2	73	100%(394/395)	100%(3/3)
		1508	2	3	100%(394/395)	100%(4/4)
		1618	2	69	100%(394/395)	100%(3/3)
		2460	2	73	100%(394/395)	100%(3/3)
		415	3	9	100%(393/395)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		1158	3	3	100%(392/394)	67%(2/3)
		1323	3	7	100%(393/395)	100%(3/3)
		1476	3	8	100%(393/395)	100%(3/3)
		1584	3	6	100%(393/395)	100%(3/3)
		2444	3	9	100%(393/395)	100%(3/3)
		2689	2	6	100%(393/395)	100%(4/4)
		1702	2	3	99%(392/395)	100%(3/3)
1635	98.7	771	2	82	100%(207/208)	100%(2/2)
		2099	1	15	100%(393/395)	100%(3/3)
		1804	2	99	99%(121/122)	100%(2/2)
		390	7	5	99%(391/395)	100%(3/3)
		1290	5	15	99%(391/395)	100%(3/3)
		1318	3	5	99%(391/395)	100%(3/3)
		2511	4	9	99%(391/395)	100%(3/3)
		2641	5	8	99%(391/395)	100%(3/3)
1636	99.5	Kr				
1637	99.2	246	2	83	100%(197/198)	100%(1/1)
		771	2	82	100%(207/208)	100%(1/1)
		938	3	67	100%(393/395)	100%(2/2)
		1030	4	74	100%(393/395)	100%(2/2)
		1189	3	67	100%(393/395)	100%(2/2)
		1650	3	67	100%(393/395)	100%(2/2)
		2725	2	12	100%(199/200)	100%(2/2)
		1560	4	29	99%(305/307)	100%(2/2)
1638	99.7	no close relatives				
1639	98.5	502	1	1	100%(394/395)	100%(6/6)
		51	1	1	99%(391/395)	100%(4/4)
		2641	6	2	99%(391/395)	75%(3/4)
		483	7	3	99%(390/395)	100%(4/4)
		661	2	4	99%(390/395)	100%(4/4)
		1394	4	3	99%(390/395)	100%(4/4)
		2398	2	8	99%(236/239)	100%(2/2)
1640	98.0	771	1	13	100%(208/208)	100%(2/2)
		956	1	4	100%(395/395)	100%(8/8)
		2282s	1	4	100%(395/395)	100%(8/8)
		2679s	1	22	100%(99/99)	100%(3/3)
		1622s	2	3	100%(394/395)	100%(8/8)
		1629	2	3	100%(394/395)	100%(8/8)
		963	1	4	100%(393/395)	100%(8/8)
		1054s	2	3	100%(393/395)	100%(8/8)
		1086	2	3	100%(393/395)	100%(8/8)
		2136	2	3	100%(393/395)	100%(6/6)
		2137	2	3	100%(393/395)	100%(6/6)
		289	2	3	99%(392/395)	100%(8/8)
		1804	2	99	99%(121/122)	100%(2/2)
		2637	3	12	99%(392/395)	100%(6/6)
		2737	1	3	99%(392/395)	100%(8/8)
		1387s	3	3	99%(390/394)	100%(7/7)
		2107	2	3	99%(391/395)	100%(6/6)
		2758s	2	3	99%(391/395)	100%(8/8)

Ms	MT	OMs	C	N	Overall	non-MT
		1017	1	3	99%(390/395)	88%(7/8)
		2497	3	3	99%(390/395)	100%(6/6)
		1064	2	3	99%(389/395)	100%(6/6)
		1644	3	3	99%(389/395)	100%(8/8)
1641	97.2	2535	5	6	98%(192/196)	100%(3/3)
		2492	6	2	98%(376/384)	100%(5/5)
		1026	19	2	98%(386/395)	100%(7/7)
		545	9	1	98%(385/395)	86%(6/7)
		585	9	7	98%(385/395)	100%(6/6)
1642	97.7	533	10	2	99%(389/395)	100%(5/5)
1643	97.2	2694	3	1	99%(391/395)	89%(8/9)
		1019	8	4	99%(390/395)	100%(7/7)
		2301	9	5	99%(390/395)	100%(6/6)
		987s	3	1	98%(388/395)	100%(7/7)
		379	8	1	98%(386/395)	100%(6/6)
		2590	8	1	98%(386/395)	100%(6/6)
		370	11	11	98%(124/127)	67%(2/3)
		2687	8	1	98%(384/394)	100%(6/6)
1644	96.5	1804	2	99	99%(121/122)	100%(2/2)
		2679s	2	92	99%(98/99)	100%(3/3)
		956	8	8	99%(389/395)	100%(8/8)
		1640	8	8	99%(389/395)	100%(8/8)
		2282s	8	8	99%(389/395)	100%(8/8)
		1622s	10	7	98%(388/395)	100%(8/8)
		1629	9	7	98%(388/395)	100%(8/8)
		1054s	9	5	98%(387/395)	100%(8/8)
		1239	3	1	97%(383/395)	100%(8/8)
		2708	8	2	97%(382/394)	100%(9/9)
1645	98.0	748	7	1	98%(178/181)	67%(2/3)
1646	97.0	no close relatives				
1647	98.2	573	1	23	100%(148/148)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		2307	2	72	100%(194/195)	100%(1/1)
		952	5	5	99%(390/395)	100%(4/4)
		2649	5	93	99%(144/146)	100%(2/2)
		1485	9	3	99%(389/395)	100%(4/4)
1648	98.2	573	2	121	99%(147/148)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
1649	98.5	246	2	83	100%(197/198)	100%(2/2)
		1633	2	77	100%(202/203)	100%(2/2)
		986	2	8	99%(392/395)	100%(4/4)
		1035	3	1	99%(391/395)	100%(4/4)
		1547	5	2	99%(390/395)	75%(3/4)
1650	99.2	Kr				
1651	97.0	2908	6	47	98%(88/90)	100%(1/1)
1652	99.0	771	2	82	100%(207/208)	100%(1/1)
		806	7	3	99%(392/395)	67%(2/3)
		711	5	109	99%(219/221)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
1653	98.0	2725	7	33	99%(198/200)	100%(2/2)
		862	8	1	98%(388/395)	100%(5/5)
		2573	4	2	98%(388/395)	100%(5/5)
1654	90.9	69	7	1	92%(362/395)	73%(16/22)
1656	99.0	1712	1	129	100%(191/191)	100%(1/1)
		932	2	70	100%(394/395)	100%(3/3)
		961	2	70	100%(394/395)	100%(3/3)
		1030	2	69	100%(394/395)	100%(3/3)
		1544	2	1	100%(394/395)	100%(4/4)
		1596	2	70	100%(394/395)	100%(3/3)
		1620	2	70	100%(394/395)	100%(3/3)
		1628	2	70	100%(394/395)	100%(3/3)
		1688	2	73	100%(393/394)	100%(2/2)
		2122	2	70	100%(394/395)	100%(3/3)
		246	2	83	100%(197/198)	100%(2/2)
		696	3	3	100%(393/395)	100%(3/3)
		758	3	5	100%(393/395)	100%(3/3)
		1461	3	4	100%(393/395)	100%(3/3)
		1600	3	6	100%(393/395)	100%(3/3)
		2307	2	72	100%(194/195)	100%(1/1)
		2466	3	6	100%(393/395)	100%(3/3)
		986	2	8	99%(392/395)	100%(3/3)
		1057	2	8	99%(392/395)	100%(3/3)
		2621	3	3	99%(391/394)	100%(2/2)
1660	97.5	416	1	226	100%(76/76)	100%(1/1)
		1804	2	99	99%(121/122)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(2/2)
		011	5	15	99%(264/268)	100%(5/5)
		778	4	10	99%(387/393)	100%(5/5)
		2649	8	93	98%(143/146)	100%(2/2)
1663	95.5	71	8	1	97%(371/382)	100%(10/10)
		1413	6	1	97%(371/382)	91%(10/11)
		86	10	1	97%(370/382)	90%(9/10)
		569	10	1	97%(370/382)	82%(9/11)
		1458	8	1	97%(369/382)	73%(8/11)
		2291	9	1	96%(366/382)	90%(9/10)
1664	98.2	416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		2908	1	8	100%(90/90)	100%(3/3)
		573	2	121	99%(147/148)	100%(1/1)
		1063	3	6	99%(391/395)	100%(6/6)
		1190	2	5	99%(391/395)	100%(6/6)
		2135	3	5	99%(391/395)	100%(6/6)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		444	3	3	99%(389/395)	100%(5/5)
1665	97.7	748	1	2	99%(180/181)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		2515	4	1	99%(391/395)	83%(5/6)
		533	8	1	99%(390/395)	83%(5/6)
		766	4	162	99%(143/145)	100%(2/2)
		49	13	1	99%(389/395)	67%(4/6)
		1804	7	160	98%(120/122)	100%(2/2)
		1297	5	1	98%(387/395)	83%(5/6)
		2686	14	1	98%(387/395)	67%(4/6)
		2649	8	93	98%(143/146)	100%(2/2)
1666	96.2	1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2661	1	1	98%(386/395)	100%(12/12)
		1220	1	1	97%(384/395)	90%(9/10)
		1342	1	1	97%(384/395)	91%(10/11)
1667	99.5	Kr				
1668	97.5	573	2	121	99%(147/148)	100%(2/2)
		2717	3	2	99%(228/230)	100%(3/3)
		2571	4	14	99%(391/395)	100%(6/6)
		2679s	2	92	99%(98/99)	100%(2/2)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		2649	7	3	99%(144/146)	67%(2/3)
		277	3	1	99%(389/395)	100%(6/6)
		2107	5	6	99%(389/395)	100%(6/6)
		134	7	4	98%(387/395)	100%(6/6)
1670	98.5	1031	3	8	99%(392/395)	100%(4/4)
		2414	4	16	99%(266/269)	100%(3/3)
		1280	9	5	99%(390/395)	100%(4/4)
1671	97.4	2112	3	1	99%(382/386)	100%(7/7)
1672	98.5	777	1	1	100%(394/395)	100%(6/6)
		1266	1	1	100%(393/395)	100%(6/6)
		1341	2	6	100%(393/395)	100%(5/5)
		198	3	7	99%(392/395)	100%(4/4)
		353	2	7	99%(392/395)	100%(5/5)
		461	3	18	99%(392/395)	100%(4/4)
		1083	1	4	99%(392/395)	100%(6/6)
		2224	2	8	99%(392/395)	100%(4/4)
		2415	3	11	99%(392/395)	100%(4/4)
		2782	2	100	99%(127/128)	100%(2/2)
		2	3	6	99%(391/395)	100%(5/5)
		271	3	5	99%(391/395)	100%(4/4)
		364	2	2	99%(391/395)	100%(4/4)
		2550	2	3	99%(391/395)	100%(4/4)
		779	2	79	99%(84/85)	100%(1/1)
		778	2	11	99%(388/393)	100%(4/4)
1673	97.2	416	1	226	100%(76/76)	100%(1/1)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		2679s	8	83	98%(97/99)	100%(1/1)
		2649	8	93	98%(143/146)	100%(2/2)
1675	96.6	2782	2	100	99%(127/128)	100%(2/2)
		2908	6	47	98%(88/90)	100%(1/1)
		954	3	1	97%(373/383)	88%(7/8)
1676	95.9	2794	1	1	100%(341/342)	100%(15/15)
		352	3	1	99%(388/393)	100%(14/14)
		375	3	1	99%(387/392)	100%(13/13)
		2728	2	1	99%(388/394)	93%(14/15)
		782	6	1	98%(385/394)	93%(13/14)
		2252	5	1	98%(384/393)	100%(13/13)
		2397	5	1	97%(383/394)	93%(13/14)
		331	4	2	97%(382/394)	100%(9/9)
		1001	5	1	97%(381/394)	93%(13/14)
		299	5	2	96%(380/394)	90%(9/10)
1677	96.4	779	2	79	99%(84/85)	100%(1/1)
		2679s	8	83	98%(97/99)	100%(1/1)
		993	7	2	97%(377/387)	88%(7/8)
		723	19	1	97%(378/390)	90%(9/10)
		854	27	1	97%(378/390)	88%(7/8)
		1613	26	1	97%(378/390)	88%(7/8)
		749	29	1	97%(376/389)	78%(7/9)
		835	29	1	97%(377/390)	67%(6/9)
		2214	16	1	97%(377/390)	78%(7/9)
		2470	28	1	97%(339/351)	78%(7/9)
1678	97.0	247	5	1	99%(389/395)	89%(8/9)
		1193	6	1	99%(389/395)	100%(8/8)
		2514	4	1	99%(389/395)	89%(8/9)
		335	7	2	98%(223/227)	67%(2/3)
		2215	11	1	98%(387/394)	86%(6/7)
		2118	7	1	98%(386/395)	100%(7/7)
1680	98.7	1712	1	129	100%(191/191)	100%(1/1)
		1030	4	74	100%(393/395)	100%(3/3)
		2307	2	72	100%(194/195)	100%(1/1)
		2714	2	1	100%(393/395)	100%(4/4)
		1560	4	29	99%(305/307)	100%(2/2)
		696	5	4	99%(392/395)	100%(3/3)
		1461	5	4	99%(392/395)	100%(3/3)
		1656	5	6	99%(392/395)	100%(3/3)
		55	6	7	99%(386/390)	100%(3/3)
		1421	7	13	99%(344/348)	100%(2/2)
1684	97.7	2679s	2	92	99%(98/99)	100%(2/2)
		013	6	27	99%(235/238)	100%(3/3)
		39	2	1	99%(390/395)	86%(6/7)
		1707	4	4	99%(390/395)	100%(7/7)
		854	7	5	99%(389/395)	100%(8/8)
		862	6	5	99%(389/395)	100%(6/6)
		1613	6	2	99%(389/395)	100%(8/8)
		993	1	3	98%(385/392)	100%(7/7)
		2573	5	7	98%(387/395)	100%(5/5)



Ms	MT	OMs	C	N	Overall	non-MT
		2908	6	47	98%(88/90)	100%(2/2)
1685	97.5	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		1454	3	1	100%(393/395)	100%(8/8)
		60	4	1	99%(392/395)	100%(8/8)
		1495	4	1	99%(392/395)	100%(8/8)
		2649	5	93	99%(144/146)	100%(3/3)
		413	4	5	99%(389/395)	100%(6/6)
		2868	4	4	99%(389/395)	100%(6/6)
		500	4	14	98%(258/263)	100%(4/4)
		1966	3	1	98%(384/392)	100%(6/6)
1686	99.2	Kr				
1687	99.2	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		2507	1	3	100%(395/395)	100%(3/3)
		1514	2	8	100%(394/395)	100%(2/2)
		199	3	13	100%(393/395)	100%(2/2)
		399	3	13	100%(393/395)	100%(2/2)
		653	2	8	100%(393/395)	100%(2/2)
		1459	3	13	100%(393/395)	100%(2/2)
		2098	3	13	100%(393/395)	100%(2/2)
		2356	3	7	100%(393/395)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
1688	99.5	Kr				
1689	92.9	828	8	1	96%(378/395)	85%(17/20)
		826	8	1	95%(377/395)	90%(17/19)
		346	8	1	95%(375/394)	88%(15/17)
		543	8	1	95%(375/395)	83%(15/18)
		788	8	1	94%(372/394)	85%(17/20)
		13	7	1	94%(372/395)	81%(17/21)
		124	7	1	93%(369/395)	83%(15/18)
1690	96.5	1627	1	1	99%(391/395)	100%(14/14)
		699	5	2	99%(389/395)	100%(11/11)
		2902	4	2	99%(389/395)	100%(11/11)
		1306	4	3	98%(363/369)	88%(7/8)
		1079	5	2	98%(388/395)	100%(11/11)
		1699	5	2	98%(388/395)	100%(9/9)
		1272	3	1	98%(387/395)	92%(11/12)
		2463	4	3	98%(387/395)	100%(10/10)
		581	1	2	98%(386/395)	92%(11/12)
		2404	3	3	97%(384/395)	100%(11/11)
1691	98.2	779	2	79	99%(84/85)	100%(1/1)
		475	16	1	99%(347/352)	60%(3/5)
1692	96.2	573	2	121	99%(147/148)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2649	8	93	98%(143/146)	100%(1/1)
1693	97.7	179	2	23	100%(248/249)	100%(3/3)
		1197	4	3	99%(392/395)	100%(7/7)
		711	5	109	99%(219/221)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		1073	4	18	99%(391/395)	100%(6/6)
		766	4	162	99%(143/145)	100%(2/2)
		786	4	1	99%(389/395)	88%(7/8)
		1143	3	21	99%(194/197)	100%(1/1)
		396	5	5	98%(388/395)	100%(5/5)
		2370	3	1	98%(388/395)	100%(5/5)
		528	5	3	98%(387/395)	100%(6/6)
1694	99.5	Kr				
1695	97.0	no close relatives				
1697	97.0	no close relatives				
1698	99.2	Kr				
1699	97.2	1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2463	1	1	99%(390/395)	100%(10/10)
		1306	1	1	99%(364/369)	86%(6/7)
		489	5	2	99%(389/395)	100%(10/10)
		1219	5	1	99%(389/395)	100%(10/10)
		1690	4	3	98%(388/395)	100%(9/9)
		114	5	1	98%(387/395)	100%(9/9)
		1272	1	2	98%(387/395)	100%(10/10)
		2404	2	5	98%(385/395)	100%(10/10)
1700	98.0	no close relatives				
1701	96.7	78	2	2	99%(391/394)	100%(9/9)
		1448	3	3	99%(390/395)	100%(9/9)
		127	4	1	99%(389/395)	100%(9/9)
		132	3	1	99%(389/395)	100%(10/10)
		1513	3	1	99%(389/395)	100%(9/9)
		2405	2	3	98%(383/392)	100%(10/10)
		175	5	2	98%(385/395)	90%(9/10)
		279	2	1	98%(385/395)	90%(9/10)
		2524	2	3	97%(381/391)	100%(11/11)
		2794	16	1	97%(332/343)	89%(8/9)
1702	98.7	1618	3	70	100%(393/395)	100%(3/3)
		1462	6	4	99%(392/395)	100%(3/3)
		1584	4	2	99%(392/395)	100%(3/3)
		1634	6	4	99%(392/395)	100%(3/3)
		689	6	4	99%(391/395)	100%(3/3)
		1508	7	4	99%(391/395)	100%(3/3)
		1131	3	4	99%(280/283)	100%(2/2)
1703	99.0	246	1	124	100%(198/198)	100%(2/2)
		573	1	23	100%(148/148)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)
		1633	1	119	100%(203/203)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		845	2	69	100%(394/395)	100%(3/3)
		1145	2	73	100%(373/374)	100%(3/3)
		1328	2	69	100%(394/395)	100%(3/3)
		1493	2	71	100%(393/394)	100%(2/2)
		1062	3	4	100%(393/395)	100%(3/3)
		1095	2	5	100%(393/395)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		1789	2	4	100%(391/393)	100%(3/3)
		2307	2	72	100%(194/195)	100%(1/1)
		2322	2	6	100%(392/394)	100%(3/3)
		512	3	2	99%(392/395)	67%(2/3)
1704	97.0	2108	1	1	99%(391/395)	100%(9/9)
		1047s	1	2	99%(390/395)	100%(9/9)
1705	99.2	Kr				
1707	97.5	862	1	1	100%(394/395)	100%(9/9)
		2573	2	1	99%(392/395)	100%(8/8)
		2679s	2	92	99%(98/99)	100%(2/2)
		392	2	1	99%(390/395)	100%(9/9)
		1302	1	1	99%(390/395)	100%(9/9)
		1684	2	2	99%(390/395)	100%(7/7)
		39	3	1	99%(389/395)	86%(6/7)
		1265	3	1	99%(389/395)	100%(8/8)
		734	2	2	98%(387/394)	100%(8/8)
		993	2	1	98%(384/392)	100%(7/7)
		818	2	2	98%(386/395)	100%(9/9)
1709	96.7	1110	12	3	98%(386/395)	100%(7/7)
		370	8	42	98%(124/127)	100%(3/3)
1712	99.5	Kr				
1779	98.7	1400	1	119	100%(211/211)	100%(1/1)
		246	2	83	100%(195/196)	100%(2/2)
		1499	3	68	100%(391/393)	100%(3/3)
		1633	2	77	100%(200/201)	100%(2/2)
		1119	5	14	99%(273/276)	100%(2/2)
		1421	8	3	99%(342/346)	100%(3/3)
1780	96.2	no close relatives				
1781	97.5	2782	2	100	99%(127/128)	100%(2/2)
		2908	2	37	99%(89/90)	100%(2/2)
		550	12	1	99%(390/395)	83%(5/6)
		2297	8	1	99%(390/395)	83%(5/6)
		21	11	16	99%(388/394)	100%(5/5)
		495	7	1	98%(388/395)	83%(5/6)
		1083	14	15	98%(388/395)	100%(6/6)
		1800	10	1	98%(387/395)	83%(5/6)
		2679s	8	83	98%(97/99)	100%(2/2)
		1595	9	2	98%(386/395)	100%(6/6)
1783	99.0	771	2	82	100%(207/208)	100%(1/1)
		926	5	20	99%(294/296)	100%(2/2)
		179	6	86	99%(247/249)	100%(1/1)
		711	5	109	99%(219/221)	100%(1/1)
1784s	92.7	2713	1	1	99%(389/395)	93%(25/27)
		209	6	1	97%(381/395)	91%(21/23)
		205	6	1	95%(374/394)	83%(19/23)
		994	12	1	94%(373/395)	83%(15/18)
		2886	6	1	94%(372/394)	80%(16/20)
		1	14	1	94%(372/395)	86%(19/22)
		138	14	1	94%(370/394)	89%(16/18)
		565	14	2	94%(369/393)	81%(17/21)

Ms	MT	OMs	C	N	Overall	non-MT
		2575	11	1	94%(357/382)	88%(14/16)
		357	11	1	93%(368/395)	83%(15/18)
1786	98.7	83	3	68	100%(392/394)	100%(3/3)
		246	2	83	100%(197/198)	100%(2/2)
		1023	3	67	100%(391/393)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		1698	3	68	100%(392/394)	100%(3/3)
		1705	3	68	100%(392/394)	100%(3/3)
		2364s	3	68	100%(392/394)	100%(3/3)
		1560	4	29	99%(304/306)	100%(2/2)
		645	4	5	99%(391/394)	100%(3/3)
		1088	4	4	99%(390/394)	100%(3/3)
1787	98.5	1594	1	1	100%(395/395)	100%(6/6)
		1290	1	2	100%(394/395)	100%(5/5)
		771	2	82	100%(207/208)	100%(1/1)
		484	4	3	99%(392/395)	80%(4/5)
		2641	2	6	99%(392/395)	100%(4/4)
		234	2	2	99%(391/395)	100%(4/4)
		979	2	5	99%(390/394)	100%(3/3)
		1391	2	3	99%(391/395)	100%(5/5)
		502	4	7	99%(390/395)	100%(4/4)
		2315	3	2	99%(390/395)	100%(4/4)
1788	97.2	1343	2	233	99%(82/83)	100%(2/2)
		2634	2	234	99%(81/82)	100%(2/2)
		1531	4	1	99%(386/391)	90%(9/10)
		2649	5	93	99%(143/145)	100%(3/3)
		2611	2	1	99%(385/391)	100%(9/9)
		2387	5	1	98%(383/391)	86%(6/7)
		86	8	1	98%(382/391)	88%(7/8)
		2291	6	1	98%(382/391)	90%(9/10)
		266	9	1	97%(381/391)	86%(6/7)
		569	9	1	97%(381/391)	88%(7/8)
1789	99.0	416	1	226	100%(76/76)	100%(1/1)
		1712	1	129	100%(189/189)	100%(1/1)
		2316	1	89	100%(128/128)	100%(1/1)
		246	2	83	100%(197/198)	100%(2/2)
		1633	2	77	100%(202/203)	100%(2/2)
		1703	3	5	100%(391/393)	100%(3/3)
		2307	2	72	100%(192/193)	100%(1/1)
		573	2	121	99%(145/146)	100%(1/1)
		512	3	2	99%(390/393)	67%(2/3)
		711	5	109	99%(217/219)	100%(1/1)
1790	98.0	2307	2	72	100%(194/195)	100%(2/2)
		1073	3	8	99%(392/395)	100%(6/6)
		592	5	1	99%(391/395)	86%(6/7)
		1341	5	21	99%(391/395)	100%(5/5)
		2386	3	5	99%(390/394)	100%(6/6)
		2679s	2	92	99%(98/99)	100%(2/2)
		2396	5	6	99%(389/394)	100%(5/5)
		011	5	15	99%(264/268)	100%(5/5)

Ms	MT	OMs	C	N	Overall	non-MT
		396	3	5	99%(389/395)	100%(5/5)
		447	4	1	98%(388/395)	80%(4/5)
1791	98.7	1039	2	2	100%(393/395)	100%(5/5)
		2307	2	72	100%(194/195)	100%(1/1)
		2725	2	12	100%(199/200)	100%(3/3)
		1467	4	12	99%(333/335)	100%(3/3)
		1032	6	1	99%(391/394)	75%(3/4)
		1442	4	2	99%(392/395)	100%(4/4)
		2773	5	6	99%(392/395)	100%(3/3)
		122	4	19	99%(391/395)	100%(3/3)
		1664	5	10	99%(391/395)	100%(4/4)
		2908	2	37	99%(89/90)	100%(2/2)
1792	98.5	2525	1	1	100%(393/395)	100%(5/5)
		202	3	9	99%(392/395)	100%(4/4)
		900	3	9	99%(392/395)	100%(4/4)
		2782	2	100	99%(127/128)	100%(2/2)
		144s	3	5	99%(391/395)	100%(4/4)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		561	2	2	99%(390/395)	100%(4/4)
		759	2	3	99%(390/395)	100%(4/4)
		2649	5	93	99%(144/146)	100%(2/2)
1797	92.9	no close relatives				
1800	97.7	2177	1	22	99%(158/159)	100%(1/1)
		351	1	1	99%(392/395)	100%(9/9)
		550	5	4	99%(392/395)	100%(6/6)
		461	5	24	99%(391/395)	100%(5/5)
		2907	4	33	99%(295/298)	100%(4/4)
		07	7	8	99%(390/395)	100%(5/5)
		2	4	5	99%(390/395)	100%(6/6)
		2297	7	11	99%(390/395)	100%(5/5)
		134	6	3	98%(388/395)	100%(6/6)
		1210	6	1	98%(388/395)	100%(6/6)
1802	95.9	1303	4	1	98%(387/395)	100%(12/12)
		2679s	8	83	98%(97/99)	100%(3/3)
		2758s	9	2	98%(387/395)	100%(10/10)
		289	11	7	98%(386/395)	100%(9/9)
		724	11	1	98%(386/395)	90%(9/10)
		2290s	13	1	98%(367/376)	73%(8/11)
		296	13	1	97%(384/395)	90%(9/10)
		2708	6	2	97%(383/394)	91%(10/11)
		525	7	1	96%(380/395)	90%(9/10)
1803	100.0	no close relatives				
1804	97.5	031s	1	2	100%(120/120)	100%(3/3)
		135	1	2	100%(122/122)	100%(3/3)
		212	1	2	100%(122/122)	100%(3/3)
		232	1	2	100%(122/122)	100%(3/3)
		292	1	2	100%(122/122)	100%(3/3)
		330	1	2	100%(122/122)	100%(3/3)
		416	1	226	100%(76/76)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		965	1	2	100%(122/122)	100%(3/3)
		1007	1	2	100%(122/122)	100%(3/3)
		1026	1	2	100%(122/122)	100%(3/3)
		1094	1	2	100%(122/122)	100%(3/3)
		1588	1	2	100%(122/122)	100%(3/3)
		2624	1	2	100%(122/122)	100%(3/3)
		2637	1	3	100%(122/122)	100%(3/3)
		2760	1	2	100%(121/121)	100%(3/3)
		53	2	3	99%(121/122)	100%(2/2)
		64	2	1	99%(121/122)	100%(3/3)
		113	2	1	99%(121/122)	100%(2/2)
		119	2	3	99%(121/122)	100%(3/3)
		125	2	1	99%(120/121)	100%(2/2)
		129	2	1	99%(121/122)	100%(2/2)
		133	3	1	99%(121/122)	100%(2/2)
		153	3	3	99%(121/122)	100%(2/2)
		166	2	3	99%(121/122)	100%(2/2)
		190	3	1	99%(121/122)	100%(2/2)
		191	2	2	99%(121/122)	100%(3/3)
		217	2	2	99%(121/122)	100%(3/3)
		218	3	2	99%(121/122)	100%(2/2)
		267	3	1	99%(121/122)	100%(3/3)
		268	3	2	99%(121/122)	100%(2/2)
		270	1	1	99%(121/122)	67%(2/3)
		272	3	4	99%(121/122)	100%(2/2)
		438	3	7	99%(121/122)	100%(2/2)
		449	3	2	99%(121/122)	100%(2/2)
		491	2	2	99%(121/122)	100%(2/2)
		533	3	3	99%(121/122)	100%(2/2)
		578	2	1	99%(121/122)	100%(3/3)
		688	3	2	99%(121/122)	100%(2/2)
		724	3	1	99%(121/122)	100%(2/2)
		785	1	1	99%(121/122)	100%(3/3)
		787	3	1	99%(121/122)	100%(2/2)
		844	3	1	99%(121/122)	100%(2/2)
		864	2	1	99%(121/122)	100%(2/2)
		933	2	1	99%(121/122)	100%(3/3)
		1013	3	1	99%(121/122)	100%(2/2)
		1073	3	8	99%(121/122)	100%(2/2)
		1085	3	1	99%(121/122)	100%(2/2)
		1086	3	3	99%(121/122)	100%(2/2)
		1163	3	7	99%(121/122)	100%(2/2)
		1188	1	1	99%(121/122)	100%(2/2)
		1193	3	1	99%(121/122)	67%(2/3)
		1203	2	1	99%(121/122)	100%(3/3)
		1209	2	1	99%(121/122)	100%(2/2)
		1223	2	1	99%(121/122)	100%(2/2)
		1237	2	2	99%(121/122)	100%(2/2)
		1242	1	1	99%(121/122)	100%(2/2)
		1357	3	1	99%(121/122)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		1387s	2	1	99%(121/122)	100%(2/2)
		1483	3	2	99%(121/122)	100%(2/2)
		1564	3	3	99%(118/119)	100%(1/1)
		1609	2	1	99%(121/122)	100%(2/2)
		1635	2	1	99%(121/122)	100%(2/2)
		1644	1	1	99%(121/122)	100%(2/2)
		1660	2	1	99%(121/122)	100%(2/2)
		2127	1	1	99%(121/122)	100%(3/3)
		2136	3	5	99%(121/122)	100%(2/2)
		2137	3	5	99%(121/122)	100%(2/2)
		2213	2	2	99%(121/122)	100%(2/2)
		2215	3	1	99%(121/122)	67%(2/3)
		2263	2	1	99%(121/122)	100%(3/3)
		2284	3	1	99%(121/122)	100%(2/2)
		2442	3	1	99%(121/122)	100%(2/2)
		2562	3	4	99%(121/122)	100%(2/2)
		2633	2	1	99%(121/122)	100%(2/2)
		2708	2	1	99%(120/121)	100%(2/2)
		2750	3	1	99%(120/121)	100%(2/2)
		2765	2	2	99%(121/122)	100%(2/2)
		2860	3	1	99%(121/122)	100%(2/2)
		1569	3	1	99%(115/116)	100%(1/1)
		2238	2	1	99%(115/116)	100%(2/2)
		2290s	3	1	99%(102/103)	100%(2/2)
		500	3	7	99%(67/68)	100%(1/1)
		23	1	1	98%(120/122)	100%(2/2)
		54	1	1	98%(120/122)	100%(2/2)
		130	2	1	98%(120/122)	100%(1/1)
		131	2	1	98%(120/122)	100%(1/1)
		149	1	1	98%(120/122)	100%(2/2)
		151	3	1	98%(120/122)	100%(2/2)
		162	2	1	98%(120/122)	100%(2/2)
		187	3	1	98%(120/122)	100%(2/2)
		225	1	1	98%(120/122)	100%(2/2)
		348	2	1	98%(120/122)	100%(2/2)
		373	2	1	98%(120/122)	100%(3/3)
		419	3	1	98%(120/122)	100%(1/1)
		422	3	1	98%(120/122)	100%(2/2)
		513	2	1	98%(120/122)	100%(3/3)
		522	2	1	98%(120/122)	100%(1/1)
		525	2	1	98%(120/122)	100%(2/2)
		528	3	1	98%(120/122)	100%(2/2)
		545	3	1	98%(120/122)	100%(2/2)
		663	2	1	98%(120/122)	100%(2/2)
		686	2	1	98%(120/122)	100%(2/2)
		743	1	1	98%(120/122)	100%(2/2)
		905	2	1	98%(120/122)	100%(2/2)
		935	1	1	98%(120/122)	100%(1/1)
		971	3	1	98%(120/122)	100%(1/1)
		1064	3	1	98%(120/122)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		1118	3	1	98%(120/122)	100%(1/1)
		1152	2	1	98%(120/122)	100%(1/1)
		1213	3	1	98%(120/122)	100%(2/2)
		1216	3	2	98%(120/122)	100%(2/2)
		1217	3	1	98%(120/122)	100%(2/2)
		1299	2	1	98%(120/122)	100%(3/3)
		1364	2	1	98%(120/122)	100%(2/2)
		1422	2	1	98%(120/122)	100%(2/2)
		1434	3	1	98%(120/122)	100%(3/3)
		1498	2	1	98%(120/122)	100%(1/1)
		1509	3	1	98%(120/122)	100%(1/1)
		2277	3	1	98%(120/122)	100%(2/2)
		2476	1	1	98%(120/122)	100%(1/1)
		2605	1	1	98%(120/122)	100%(2/2)
		2606	3	1	98%(120/122)	100%(2/2)
		2670	3	1	98%(120/122)	100%(1/1)
		2691	1	1	98%(120/122)	67%(2/3)
		2703	2	1	98%(120/122)	100%(2/2)
		2774	3	1	98%(120/122)	100%(2/2)
		2809	3	1	98%(120/122)	100%(1/1)
		2900	1	1	98%(120/122)	100%(2/2)
		165	2	2	98%(119/121)	100%(1/1)
		295	3	1	98%(119/121)	100%(2/2)
		376	3	1	98%(116/118)	100%(1/1)
1808	95.8	38	3	1	98%(378/384)	90%(9/10)
		1148	3	1	98%(374/383)	82%(9/11)
		31	6	1	97%(372/384)	80%(8/10)
		1053	4	1	97%(373/385)	91%(10/11)
		370	18	2	97%(120/124)	100%(2/2)
		2546	7	1	96%(371/385)	91%(10/11)
1813	98.2	387	4	1	99%(392/395)	100%(4/4)
		1552	4	1	99%(391/395)	100%(4/4)
1816	96.2	041	8	6	98%(388/395)	100%(10/10)
		2902	6	3	98%(388/395)	100%(11/11)
		1079	7	3	98%(387/395)	100%(11/11)
		1219	9	3	98%(387/395)	100%(11/11)
		699	8	4	98%(386/395)	100%(10/10)
		114	8	4	98%(385/395)	100%(10/10)
		1313	8	1	98%(385/395)	90%(9/10)
		2463	9	3	97%(382/395)	100%(8/8)
		482	9	1	97%(381/395)	78%(7/9)
		2372	2	1	97%(272/282)	100%(4/4)
1819	91.6	1143	4	2	99%(194/197)	75%(3/4)
		1820	1	1	97%(361/373)	93%(26/28)
		2129	1	1	96%(379/394)	87%(26/30)
		0109	5	2	95%(92/97)	89%(8/9)
		2517	10	1	94%(122/130)	88%(7/8)
		04	6	1	93%(307/329)	79%(15/19)
		03	4	1	93%(368/395)	75%(21/28)
		019	9	1	93%(367/395)	79%(19/24)



Ms	MT	OMs	C	N	Overall	non-MT
		213	8	1	93%(366/395)	81%(17/21)
		865	9	1	92%(365/395)	67%(16/24)
1820	90.3	1819	2	1	97%(361/373)	93%(26/28)
		2129	2	1	95%(355/372)	93%(26/28)
		0109	4	2	95%(92/97)	90%(9/10)
		04	3	1	94%(287/307)	84%(16/19)
		03	5	1	93%(346/373)	78%(21/27)
		019	10	1	93%(345/373)	83%(19/23)
		213	10	1	93%(345/373)	86%(19/22)
		033	11	1	92%(343/373)	86%(18/21)
		865	10	1	92%(343/373)	78%(18/23)
1823	97.2	2467	5	9	99%(278/282)	100%(4/4)
1901	98.0	1237	2	2	99%(391/394)	100%(6/6)
		2779	6	6	99%(268/271)	100%(3/3)
		1139	2	1	98%(386/393)	75%(6/8)
		2509	12	7	98%(386/393)	100%(4/4)
1966	96.9	413	4	5	99%(386/392)	100%(7/7)
		2868	6	7	98%(385/392)	100%(6/6)
		1685	11	3	98%(384/392)	100%(6/6)
		2679s	9	2	98%(94/96)	100%(1/1)
		2263	4	1	98%(383/392)	86%(6/7)
		663	4	1	97%(381/392)	86%(6/7)
		2611	7	1	97%(381/392)	88%(7/8)
2097	98.7	507	3	1	99%(391/395)	75%(3/4)
2098	99.2	199	1	4	100%(395/395)	100%(3/3)
		416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		2782	1	33	100%(128/128)	100%(2/2)
		14	2	2	100%(394/395)	100%(3/3)
		587	2	2	100%(393/394)	100%(3/3)
		707	2	2	100%(394/395)	100%(3/3)
		1514	2	8	100%(394/395)	100%(2/2)
		120	3	2	100%(388/390)	67%(2/3)
		219	3	7	100%(393/395)	100%(3/3)
		399	3	13	100%(393/395)	100%(2/2)
		461	2	5	100%(393/395)	100%(3/3)
		504	2	2	100%(393/395)	100%(3/3)
		653	2	8	100%(393/395)	100%(2/2)
		880	3	2	100%(393/395)	67%(2/3)
		1155	2	4	100%(393/395)	100%(3/3)
		1408	2	8	100%(393/395)	100%(2/2)
		1459	3	13	100%(393/395)	100%(2/2)
		1687	3	6	100%(393/395)	100%(2/2)
		2292	2	5	100%(393/395)	100%(2/2)
		2356	3	7	100%(393/395)	100%(2/2)
		2415	2	3	100%(393/395)	100%(3/3)
		2507	3	6	100%(393/395)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
2099	99.2	367	1	11	100%(393/395)	100%(2/2)
		390	2	10	100%(393/395)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		769	3	76	100%(393/395)	100%(2/2)
		771	2	82	100%(207/208)	100%(1/1)
		1290	2	5	100%(393/395)	100%(3/3)
		1305	1	7	100%(393/395)	100%(2/2)
		1318	1	1	100%(393/395)	100%(3/3)
		1445	3	76	100%(393/395)	100%(2/2)
		1635	1	2	100%(393/395)	100%(3/3)
		2255	3	76	100%(393/395)	100%(2/2)
		2389	2	14	100%(387/389)	100%(2/2)
		2511	1	3	100%(393/395)	100%(3/3)
		2641	1	5	100%(393/395)	100%(3/3)
2100	98.0	no close relatives				
2101	98.5	1400	1	119	100%(211/211)	100%(1/1)
		240	2	1	100%(391/392)	100%(5/5)
		730	2	1	100%(385/386)	100%(4/4)
		305	2	1	99%(384/387)	100%(5/5)
		1031	3	8	99%(389/392)	100%(4/4)
		1280	3	2	99%(389/392)	100%(5/5)
		1545	3	3	99%(389/392)	100%(5/5)
		2782	2	100	99%(127/128)	100%(1/1)
		196	2	2	99%(388/392)	100%(5/5)
		1456	3	1	99%(388/392)	100%(4/4)
		600	3	3	99%(378/383)	100%(4/4)
2106	94.2	no close relatives				
2107	98.0	2679s	1	22	100%(99/99)	100%(3/3)
		956	5	4	99%(391/395)	100%(6/6)
		1640	5	4	99%(391/395)	100%(6/6)
		2282s	5	4	99%(391/395)	100%(6/6)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		289	4	6	99%(390/395)	100%(7/7)
		2717	4	13	99%(227/230)	100%(2/2)
		904	4	12	99%(195/198)	100%(3/3)
		963	5	4	99%(389/395)	100%(6/6)
2108	97.5	1704	1	1	99%(391/395)	100%(9/9)
		1047s	1	2	99%(390/395)	100%(8/8)
2109	99.0	757	2	71	100%(392/393)	100%(2/2)
		769	2	68	100%(394/395)	100%(3/3)
		1445	2	68	100%(394/395)	100%(3/3)
		2255	2	68	100%(394/395)	100%(3/3)
		246	2	83	100%(197/198)	100%(2/2)
		771	2	82	100%(207/208)	100%(1/1)
		806	2	6	100%(393/395)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		2467	2	6	99%(280/282)	100%(3/3)
		986	2	8	99%(392/395)	100%(3/3)
		1031	3	8	99%(392/395)	100%(3/3)
2112	98.0	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		1671	1	1	99%(382/386)	100%(7/7)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(1/1)
		1804	7	160	98%(120/122)	100%(1/1)
2117	98.5	335	3	2	99%(224/227)	100%(3/3)
		766	4	162	99%(143/145)	100%(1/1)
2118	97.2	76	1	1	99%(392/395)	100%(9/9)
		2514	3	1	99%(391/395)	100%(9/9)
		1193	5	2	99%(390/395)	100%(8/8)
		2215	5	2	99%(389/394)	100%(7/7)
		247	4	1	99%(389/395)	100%(8/8)
		2656	3	1	98%(386/394)	75%(6/8)
		2908	6	47	98%(88/90)	100%(2/2)
		1595	10	2	98%(386/395)	86%(6/7)
		1678	5	1	98%(386/395)	100%(7/7)
		370	8	42	98%(124/127)	100%(3/3)
2120	97.7	1056	4	2	99%(390/395)	100%(5/5)
2121	98.5	573	1	23	100%(143/143)	100%(2/2)
		1343	1	54	100%(79/79)	100%(2/2)
		2634	1	57	100%(78/78)	100%(2/2)
		274	9	39	99%(241/244)	100%(2/2)
		2649	5	93	99%(139/141)	100%(2/2)
2122	99.2	Kr				
2127	96.2	1804	2	99	99%(121/122)	100%(3/3)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		2649	5	93	99%(144/146)	100%(3/3)
		1007	5	3	98%(388/395)	100%(11/11)
		2760	9	3	98%(387/394)	100%(10/10)
		113	9	4	98%(385/394)	100%(9/9)
		217	8	2	98%(385/395)	100%(11/11)
		578	9	2	97%(384/395)	100%(10/10)
		405	4	2	96%(239/248)	100%(4/4)
2129	90.4	1819	3	1	96%(379/394)	87%(26/30)
		1820	2	1	95%(355/372)	93%(26/28)
		0109	6	1	94%(91/97)	89%(8/9)
		04	11	1	92%(301/328)	79%(15/19)
		033	12	1	92%(361/394)	77%(17/22)
		865	12	1	92%(361/394)	71%(17/24)
		03	8	1	91%(360/394)	68%(19/28)
		019	11	1	91%(358/394)	74%(17/23)
2131	99.5	Kr				
2132	98.2	669	1	1	99%(391/395)	100%(4/4)
2133	98.2	766	2	54	99%(142/143)	100%(2/2)
		2782	2	100	99%(127/128)	100%(2/2)
		561	4	4	99%(387/393)	100%(4/4)
2135	97.7	2307	1	35	100%(195/195)	100%(2/2)
		2709	1	1	99%(392/395)	100%(9/9)
		1039	4	5	99%(391/395)	100%(6/6)

Ms	MT	OMs	C	N	Overall	non-MT
		1063	3	6	99%(391/395)	100%(7/7)
		1190	2	5	99%(391/395)	100%(7/7)
		1664	5	10	99%(391/395)	100%(6/6)
		511	4	1	99%(386/391)	100%(5/5)
		988	2	3	99%(389/395)	100%(7/7)
		1409	2	1	99%(389/395)	100%(8/8)
		1540	2	2	99%(325/330)	100%(7/7)
2136	98.5	771	1	13	100%(208/208)	100%(2/2)
		2137	1	3	100%(395/395)	100%(6/6)
		2679s	1	22	100%(99/99)	100%(3/3)
		956	3	5	100%(393/395)	100%(6/6)
		1640	3	5	100%(393/395)	100%(6/6)
		2282s	3	5	100%(393/395)	100%(6/6)
		1804	2	99	99%(121/122)	100%(2/2)
		2497	2	2	99%(392/395)	100%(6/6)
		2637	3	12	99%(392/395)	100%(5/5)
		963	3	5	99%(391/395)	100%(6/6)
		1064	1	2	99%(391/395)	100%(6/6)
		2737	3	5	99%(390/395)	100%(6/6)
2137	98.5	771	1	13	100%(208/208)	100%(2/2)
		2136	1	3	100%(395/395)	100%(6/6)
		2679s	1	22	100%(99/99)	100%(3/3)
		956	3	5	100%(393/395)	100%(6/6)
		1640	3	5	100%(393/395)	100%(6/6)
		2282s	3	5	100%(393/395)	100%(6/6)
		1804	2	99	99%(121/122)	100%(2/2)
		2497	2	2	99%(392/395)	100%(6/6)
		2637	3	12	99%(392/395)	100%(5/5)
		963	3	5	99%(391/395)	100%(6/6)
		1064	1	2	99%(391/395)	100%(6/6)
		2737	3	5	99%(390/395)	100%(6/6)
2139	98.0	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		573	2	121	99%(147/148)	100%(2/2)
		2649	2	17	99%(145/146)	100%(3/3)
		140	5	6	99%(391/395)	100%(5/5)
		2779	6	6	99%(269/272)	100%(3/3)
		766	4	162	99%(143/145)	100%(2/2)
		156	4	3	98%(386/393)	83%(5/6)
		1012	5	9	98%(388/395)	100%(5/5)
		2147	1	1	98%(387/394)	100%(5/5)
2141	98.2	2388	1	1	100%(394/395)	100%(7/7)
		349	2	1	99%(392/395)	100%(7/7)
		414	4	2	99%(392/395)	100%(5/5)
		1466	4	2	99%(392/395)	100%(5/5)
		410	4	3	99%(390/394)	100%(4/4)
		1472	5	6	99%(391/395)	100%(4/4)
		1568	2	2	99%(391/395)	100%(4/4)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		852	4	1	99%(390/395)	100%(5/5)
2142	98.7	1459	3	13	100%(393/395)	100%(3/3)
		461	5	24	99%(391/395)	100%(3/3)
		1238	7	28	99%(391/395)	100%(3/3)
		1570	6	1	99%(391/395)	100%(3/3)
		2907	4	33	99%(295/298)	100%(3/3)
2145	95.9	1195	1	1	98%(388/395)	92%(12/13)
		1589	4	1	98%(385/395)	89%(8/9)
2146	97.2	651	2	1	99%(392/395)	100%(8/8)
		1549	2	1	99%(391/395)	100%(8/8)
		2295	3	1	98%(385/395)	71%(5/7)
2147	97.7	2139	12	4	98%(387/394)	100%(5/5)
2148	92.6	475s	5	2	96%(42/44)	100%(2/2)
2159	97.7	179s	2	1	99%(144/146)	67%(2/3)
		2649	8	93	98%(143/146)	100%(2/2)
2172	98.5	416	1	226	100%(76/76)	100%(1/1)
		179	2	23	100%(248/249)	100%(2/2)
		711	2	25	100%(220/221)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
		198	3	7	99%(392/395)	100%(4/4)
		1290	3	7	99%(392/395)	100%(4/4)
		1804	2	99	99%(121/122)	100%(2/2)
		364	2	2	99%(391/395)	100%(4/4)
		1418	3	5	99%(391/395)	100%(4/4)
		2679s	2	92	99%(98/99)	100%(2/2)
		500	2	2	99%(260/263)	100%(4/4)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		263	2	5	99%(390/395)	100%(4/4)
		282	1	1	99%(390/395)	100%(5/5)
2173	98.5	416	1	226	100%(76/76)	100%(1/1)
		2908	1	8	100%(90/90)	100%(3/3)
		711	2	25	100%(220/221)	100%(2/2)
		1163	2	6	100%(393/395)	100%(5/5)
		1300	2	12	100%(393/395)	100%(4/4)
		766	2	54	99%(144/145)	100%(2/2)
		272	3	4	99%(392/395)	100%(5/5)
		438	3	7	99%(392/395)	100%(5/5)
		461	3	18	99%(392/395)	100%(4/4)
		1804	2	99	99%(121/122)	100%(2/2)
		2637	3	12	99%(392/395)	100%(5/5)
		2782	2	100	99%(127/128)	100%(2/2)
		2679s	2	92	99%(98/99)	100%(2/2)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		778	2	11	99%(388/393)	100%(4/4)
2174	97.2	416	1	226	100%(76/76)	100%(1/1)
		370	4	18	98%(125/127)	100%(4/4)

Ms	MT	OMs	C	N	Overall	non-MT
		1216	4	5	98%(388/395)	100%(6/6)
		477	2	1	98%(387/395)	100%(9/9)
		2526	5	4	98%(276/282)	100%(4/4)
		152	6	2	98%(385/395)	100%(7/7)
		1528	3	6	98%(385/395)	100%(7/7)
2175	99.7	1712	1	129	100%(191/191)	100%(1/1)
2176	97.7	2307	2	72	100%(194/195)	100%(2/2)
		123	2	1	99%(392/395)	100%(7/7)
		728	15	16	99%(389/395)	100%(5/5)
		411	14	7	98%(388/395)	100%(5/5)
		011	11	2	98%(263/268)	83%(5/6)
		2369	3	6	98%(367/374)	100%(4/4)
		047	7	2	98%(286/292)	100%(4/4)
2177	98.7	036	2	1	99%(158/159)	100%(1/1)
		286	2	1	99%(158/159)	100%(1/1)
		503	1	1	99%(158/159)	100%(1/1)
		550	3	1	99%(158/159)	100%(1/1)
		588	3	1	99%(158/159)	100%(1/1)
		645	3	1	99%(158/159)	100%(1/1)
		959	2	1	99%(158/159)	100%(1/1)
		1232	3	1	99%(158/159)	100%(1/1)
		1428	1	1	99%(158/159)	100%(1/1)
		1442	2	1	99%(158/159)	100%(1/1)
		1543	2	1	99%(157/158)	100%(1/1)
		1560	3	2	99%(158/159)	100%(1/1)
		1800	1	1	99%(158/159)	100%(1/1)
		2407	3	1	99%(158/159)	100%(1/1)
		2545	3	1	99%(157/158)	100%(1/1)
2178	98.2	416	1	226	100%(76/76)	100%(1/1)
		2307	2	72	100%(194/195)	100%(2/2)
		2725	2	12	100%(199/200)	100%(3/3)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2370	1	1	99%(390/395)	100%(5/5)
		2398	2	8	99%(236/239)	100%(1/1)
		988	2	3	99%(389/395)	100%(6/6)
2179	98.7	2529	1	3	100%(121/121)	100%(1/1)
2181	98.5	179	1	2	100%(249/249)	100%(3/3)
		416	1	226	100%(76/76)	100%(1/1)
		1238	2	2	100%(394/395)	100%(5/5)
		711	2	25	100%(220/221)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		20	2	3	99%(391/395)	100%(4/4)
		396	1	4	99%(391/395)	100%(5/5)
		1201	3	2	99%(391/395)	80%(4/5)
		1418	3	5	99%(391/395)	100%(4/4)

Ms	MT	OMs	C	N	Overall	non-MT
		2567	2	10	99%(208/210)	100%(2/2)
		2679s	2	92	99%(98/99)	100%(2/2)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		263	2	5	99%(390/395)	100%(4/4)
2182	99.0	2307	2	72	100%(194/195)	100%(2/2)
		111	3	1	99%(391/394)	100%(3/3)
		183	4	2	99%(391/394)	100%(3/3)
		823	3	1	99%(391/394)	100%(3/3)
2185	95.5	684	9	1	98%(374/381)	92%(11/12)
		727	8	1	98%(373/380)	91%(10/11)
		749	8	1	98%(373/380)	92%(11/12)
		834	6	1	98%(374/381)	92%(11/12)
		1252	8	1	98%(374/381)	91%(10/11)
		729	8	1	98%(353/360)	92%(12/13)
		1536	9	1	98%(373/381)	77%(10/13)
		731s	2	2	98%(42/43)	100%(1/1)
		1182	7	1	97%(209/215)	88%(7/8)
		2452	8	1	96%(323/335)	78%(7/9)
2188	94.4	841	1	1	96%(291/303)	86%(12/14)
		886	15	1	96%(289/302)	70%(7/10)
2191	96.5	no close relatives				
2192	93.1	2679s	2	92	99%(95/96)	100%(3/3)
		892	4	1	96%(106/111)	100%(4/4)
		744	15	1	94%(366/391)	81%(13/16)
2193	97.2	041	2	3	99%(392/395)	100%(10/10)
		2902	3	3	99%(392/395)	100%(11/11)
		787	4	1	99%(391/395)	100%(10/10)
		1079	4	3	99%(391/395)	100%(11/11)
		1219	4	2	99%(391/395)	100%(11/11)
		699	4	3	99%(390/395)	100%(10/10)
		114	4	1	99%(389/395)	100%(10/10)
		017	3	2	98%(388/395)	86%(6/7)
		158	1	1	98%(387/394)	80%(8/10)
		1313	1	1	98%(388/395)	100%(9/9)
2195	98.2	416	1	226	100%(76/76)	100%(1/1)
		1073	4	18	99%(391/395)	100%(5/5)
		013	6	27	99%(235/238)	100%(3/3)
		447	1	2	99%(390/395)	100%(5/5)
		556	8	6	99%(390/395)	100%(4/4)
		1564	6	12	99%(375/380)	100%(3/3)
		2178	12	16	99%(389/395)	100%(4/4)
		2442	10	14	99%(338/343)	100%(5/5)
		2637	10	30	99%(389/395)	100%(4/4)
		1804	7	160	98%(120/122)	100%(2/2)
2200	98.7	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		219	3	7	100%(393/395)	100%(4/4)
		399	3	13	100%(393/395)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		1157	2	2	100%(393/395)	100%(4/4)
		573	2	121	99%(147/148)	100%(1/1)
		942	3	6	99%(392/395)	100%(3/3)
		1207	3	3	99%(366/369)	100%(3/3)
		2521	1	2	99%(392/395)	100%(4/4)
		11	2	2	99%(391/395)	100%(5/5)
		2354	3	6	99%(391/395)	100%(3/3)
		2371	2	2	99%(391/395)	100%(4/4)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
2201	99.0	2451	1	1	100%(393/395)	100%(4/4)
		2782	2	100	99%(127/128)	100%(1/1)
2204	99.2	Kr				
2206	93.6	370	9	2	98%(124/127)	80%(4/5)
		315	23	1	97%(380/393)	93%(14/15)
		1336	19	1	96%(315/328)	92%(12/13)
		2470	37	1	96%(340/354)	77%(10/13)
		886	14	1	96%(375/392)	86%(12/14)
		741	19	1	95%(371/391)	80%(12/15)
		1506	5	1	95%(369/389)	93%(14/15)
		744	12	1	94%(371/393)	88%(14/16)
2213	97.5	416	1	226	100%(76/76)	100%(1/1)
		179	6	86	99%(247/249)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		2442	5	1	99%(340/343)	75%(6/8)
		1073	5	1	99%(391/395)	86%(6/7)
		1143	3	21	99%(194/197)	100%(1/1)
		2722	3	2	98%(279/284)	100%(2/2)
		2679s	8	83	98%(97/99)	100%(3/3)
		649	5	24	98%(87/89)	100%(1/1)
		1017	8	1	98%(386/395)	86%(6/7)
2214	96.2	834	8	1	98%(387/395)	92%(11/12)
		723	9	2	98%(385/395)	83%(10/12)
		993	6	10	97%(382/392)	100%(8/8)
		392	10	7	97%(383/395)	100%(8/8)
		1677	7	2	97%(377/390)	78%(7/9)
		519	6	2	97%(381/395)	78%(7/9)
		818	10	1	97%(381/395)	100%(9/9)
		428	10	1	96%(380/394)	82%(9/11)
		1182	8	1	96%(212/220)	86%(6/7)
		1571s	1	1	96%(181/188)	75%(3/4)
2215	98.0	416	1	226	100%(76/76)	100%(1/1)
		370	2	8	99%(125/126)	100%(4/4)
		1804	3	3	99%(121/122)	67%(2/3)
		2514	2	3	99%(391/394)	100%(8/8)
		1193	4	1	99%(390/394)	100%(7/7)
		247	3	2	99%(389/394)	100%(7/7)
		2118	3	2	99%(389/394)	100%(7/7)
		76	2	2	99%(388/394)	100%(6/6)



Ms	MT	OMs	C	N	Overall	non-MT
		1143	3	21	99%(194/197)	100%(1/1)
		1678	3	1	98%(387/394)	86%(6/7)
2217	98.2	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		219	3	7	100%(393/395)	100%(5/5)
		573	2	121	99%(147/148)	100%(1/1)
		942	3	6	99%(392/395)	100%(4/4)
		2782	2	100	99%(127/128)	100%(2/2)
		358	4	3	99%(391/395)	100%(5/5)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1349	3	7	98%(188/191)	100%(1/1)
2220	97.2	no close relatives				
2221	99.5	Kr				
2223	95.2	087	1	5	96%(50/52)	100%(3/3)
		011s	2	1	95%(125/131)	100%(2/2)
2224	98.7	1076	1	1	100%(394/395)	100%(4/4)
		380	3	8	99%(392/395)	100%(3/3)
		1300	3	17	99%(392/395)	100%(3/3)
		1672	4	10	99%(392/395)	100%(4/4)
		2782	2	100	99%(127/128)	100%(2/2)
		202	4	4	99%(391/395)	100%(3/3)
		324	3	1	99%(391/395)	100%(3/3)
		777	4	10	99%(391/395)	100%(4/4)
		900	4	4	99%(391/395)	100%(3/3)
		779	2	79	99%(84/85)	100%(1/1)
2229	99.5	no close relatives				
2236	96.7	1511	3	2	98%(386/395)	100%(7/7)
		370	16	5	97%(123/127)	75%(3/4)
2238	96.9	771	2	82	100%(201/202)	100%(2/2)
		1804	4	3	99%(115/116)	100%(2/2)
		2765	8	1	99%(382/388)	86%(6/7)
		443	6	1	98%(380/388)	100%(8/8)
		159	5	1	98%(378/387)	100%(8/8)
		934	6	2	98%(379/388)	100%(6/6)
		1556	4	1	98%(368/377)	86%(6/7)
		2374	2	1	97%(376/386)	100%(7/7)
		80	6	1	97%(377/388)	71%(5/7)
		1428	2	1	97%(377/388)	71%(5/7)
2244	97.0	no close relatives				
2245	97.7	416	1	226	100%(76/76)	100%(1/1)
		2307	2	72	100%(194/195)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		2732	5	1	99%(392/395)	86%(6/7)
		711	5	109	99%(219/221)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		263	3	9	99%(389/395)	100%(5/5)
		1213	4	4	98%(387/395)	100%(6/6)

Ms	MT	OMs	C	N	Overall	non-MT
2247	96.7	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		1214	3	1	99%(391/395)	100%(10/10)
		2649	5	93	99%(144/146)	100%(3/3)
		904	4	12	99%(195/198)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		2509	12	7	98%(387/394)	100%(7/7)
		811	8	2	98%(387/395)	100%(7/7)
		2679s	8	83	98%(97/99)	100%(1/1)
		1217	9	3	97%(384/395)	100%(7/7)
2249	99.2	Kr				
2252	94.9	782	1	1	99%(390/394)	94%(17/18)
		2397	2	1	99%(390/394)	95%(18/19)
		1001	2	1	99%(388/394)	95%(18/19)
		2794	6	1	98%(336/342)	100%(14/14)
		1676	4	1	98%(384/393)	100%(13/13)
		2728	5	1	98%(385/394)	93%(14/15)
		352	8	2	98%(383/393)	100%(13/13)
		1268	3	1	97%(383/394)	93%(14/15)
		475s	6	9	96%(42/44)	67%(2/3)
		780	6	1	95%(370/389)	82%(9/11)
2253	99.5	Kr				
2255	99.2	Kr				
2260	99.5	Kr				
2261	99.2	Kr				
2263	97.5	416	1	226	100%(76/76)	100%(1/1)
		1804	2	99	99%(121/122)	100%(3/3)
		500	3	7	99%(259/263)	100%(3/3)
		1143	3	21	99%(194/197)	100%(1/1)
		1966	5	1	98%(383/392)	86%(6/7)
2265	98.2	no close relatives				
2266	98.5	390	1	2	100%(394/395)	100%(5/5)
		484	2	4	100%(393/395)	100%(5/5)
		89	2	2	99%(392/395)	100%(5/5)
		483	3	3	99%(392/395)	100%(5/5)
		1290	3	7	99%(392/395)	100%(4/4)
		1318	2	1	99%(392/395)	100%(4/4)
		1397	2	2	99%(391/394)	100%(4/4)
		2511	2	3	99%(392/395)	100%(4/4)
		2641	2	6	99%(392/395)	100%(4/4)
		2749	2	2	99%(392/395)	80%(4/5)
		2868	1	2	99%(391/395)	100%(5/5)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
2273	99.5	Kr				
2277	97.5	1110	2	2	99%(391/395)	100%(8/8)
		766	4	162	99%(143/145)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		32	6	1	98%(388/395)	100%(7/7)

Ms	MT	OMs	C	N	Overall	non-MT
		2812	6	4	98%(388/395)	100%(7/7)
		2649	8	93	98%(143/146)	100%(2/2)
		370	8	42	98%(124/127)	100%(3/3)
2278	98.0	220	1	1	99%(391/395)	86%(6/7)
		830	2	2	99%(373/378)	100%(4/4)
		2492	2	1	99%(379/384)	83%(5/6)
		2756	4	2	99%(389/395)	83%(5/6)
		68	4	1	98%(388/395)	75%(6/8)
		1561	7	1	98%(388/395)	80%(4/5)
2280	97.2	1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1026	5	2	99%(390/395)	100%(9/9)
		2649	5	93	99%(144/146)	100%(2/2)
		2193	5	7	99%(389/395)	100%(8/8)
		030	3	1	98%(387/395)	75%(6/8)
		270	5	2	98%(387/395)	100%(9/9)
		649	5	24	98%(87/89)	100%(1/1)
		700	2	2	98%(385/395)	75%(6/8)
		1816	4	5	98%(385/395)	100%(8/8)
2281	98.5	2679s	2	92	99%(98/99)	100%(2/2)
2282	99.3	no close relatives				
2282s	98.0	771	1	13	100%(208/208)	100%(2/2)
		956	1	4	100%(395/395)	100%(8/8)
		1640	1	4	100%(395/395)	100%(8/8)
		2679s	1	22	100%(99/99)	100%(3/3)
		1622s	2	3	100%(394/395)	100%(8/8)
		1629	2	3	100%(394/395)	100%(8/8)
		963	1	4	100%(393/395)	100%(8/8)
		1054s	2	3	100%(393/395)	100%(8/8)
		1086	2	3	100%(393/395)	100%(8/8)
		2136	2	3	100%(393/395)	100%(6/6)
		2137	2	3	100%(393/395)	100%(6/6)
		289	2	3	99%(392/395)	100%(8/8)
		1804	2	99	99%(121/122)	100%(2/2)
		2637	3	12	99%(392/395)	100%(6/6)
		2737	1	3	99%(392/395)	100%(8/8)
		1387s	3	3	99%(390/394)	100%(7/7)
		2107	2	3	99%(391/395)	100%(6/6)
		2758s	2	3	99%(391/395)	100%(8/8)
		1017	1	3	99%(390/395)	88%(7/8)
		2497	3	3	99%(390/395)	100%(6/6)
		1064	2	3	99%(389/395)	100%(6/6)
		1644	3	3	99%(389/395)	100%(8/8)
2283	97.2	416	1	226	100%(76/76)	100%(1/1)
		2782	1	33	100%(128/128)	100%(2/2)
		2897	2	2	99%(391/395)	100%(10/10)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1215	2	1	99%(389/395)	100%(10/10)

Ms	MT	OMs	C	N	Overall	non-MT
		54	2	3	98%(388/395)	100%(9/9)
		1498	3	1	98%(388/395)	89%(8/9)
		2605	2	3	98%(387/395)	100%(10/10)
2284	98.2	416	1	226	100%(76/76)	100%(1/1)
		2307	2	72	100%(194/195)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		1180	5	6	99%(391/395)	100%(4/4)
		546	1	5	99%(222/225)	100%(1/1)
		2215	8	5	99%(388/394)	80%(4/5)
		2508	5	1	99%(389/395)	100%(4/4)
		2765	7	6	99%(389/395)	100%(4/4)
2287	99.2	2908	1	8	100%(44/44)	100%(1/1)
		260	1	1	100%(260/261)	100%(1/1)
		1042	2	1	100%(260/261)	100%(1/1)
		930	2	1	100%(199/200)	100%(1/1)
		2307	4	4	99%(142/143)	100%(1/1)
		2725	4	2	99%(139/140)	100%(1/1)
2290	100.0	no close relatives				
2290s	96.5	724	2	1	100%(374/376)	92%(11/12)
		296	2	1	99%(373/376)	92%(11/12)
		1804	5	1	99%(102/103)	100%(2/2)
		1303	3	1	98%(369/376)	82%(9/11)
		2679s	8	83	98%(97/99)	100%(3/3)
		525	4	1	98%(368/376)	92%(11/12)
		2708	5	1	98%(367/375)	91%(10/11)
		1064	8	1	98%(367/376)	100%(7/7)
		1802	4	1	98%(367/376)	73%(8/11)
		1239	4	1	97%(364/376)	100%(7/7)
2291	95.4	1531	2	3	99%(391/395)	100%(14/14)
		86	3	1	99%(389/395)	100%(13/13)
		2387	3	4	98%(388/395)	100%(11/11)
		2611	4	2	98%(387/395)	100%(12/12)
		569	5	2	98%(386/395)	100%(12/12)
		1170	6	2	98%(386/395)	100%(11/11)
		1788	7	1	98%(382/391)	90%(9/10)
		1413	8	1	97%(381/395)	90%(9/10)
		1458	9	1	97%(381/395)	90%(9/10)
		1663	6	1	96%(366/382)	90%(9/10)
2292	99.2	2782	1	33	100%(128/128)	100%(2/2)
		122	1	2	100%(393/395)	100%(3/3)
		199	3	13	100%(393/395)	100%(2/2)
		1155	2	4	100%(393/395)	100%(3/3)
		1408	2	8	100%(393/395)	100%(2/2)
		2098	3	13	100%(393/395)	100%(2/2)
2295	97.2	725	1	1	99%(392/395)	100%(10/10)
		1402	2	1	99%(389/395)	100%(9/9)
		2146	3	1	98%(385/395)	71%(5/7)
2296	99.5	Kr				
2297	98.5	461	1	5	100%(394/395)	100%(5/5)
		2907	1	4	100%(297/298)	100%(4/4)

Ms	MT	OMs	C	N	Overall	non-MT
		07	2	3	100%(393/395)	100%(5/5)
		550	2	4	100%(393/395)	100%(5/5)
		1341	2	6	100%(393/395)	100%(5/5)
		2782	2	100	99%(127/128)	100%(2/2)
		2	3	6	99%(391/395)	100%(5/5)
		778	1	4	99%(389/393)	100%(4/4)
		1470	2	5	99%(391/395)	100%(4/4)
		2679s	2	92	99%(98/99)	100%(2/2)
		2908	2	37	99%(89/90)	100%(2/2)
		1781	3	2	99%(390/395)	83%(5/6)
		2768	2	1	99%(390/395)	100%(4/4)
2301	98.5	1400	1	119	100%(211/211)	100%(1/1)
		1019	2	2	100%(393/395)	100%(6/6)
		1119	4	32	99%(276/278)	100%(3/3)
		240	4	9	99%(392/395)	100%(4/4)
		244	3	3	99%(392/395)	100%(4/4)
		1031	3	8	99%(392/395)	100%(4/4)
		1406	2	1	99%(391/395)	100%(4/4)
		2694	2	2	99%(391/395)	100%(6/6)
		600	3	3	99%(381/386)	100%(4/4)
		1643	2	2	99%(390/395)	100%(6/6)
2304	97.0	2679s	2	92	99%(98/99)	100%(2/2)
		1083	7	18	99%(390/395)	100%(8/8)
		2907	8	39	99%(294/298)	100%(4/4)
		584	5	1	98%(388/395)	75%(6/8)
		2603	8	4	98%(388/395)	100%(8/8)
		2369	3	6	98%(367/374)	100%(5/5)
		266	6	2	98%(385/395)	100%(7/7)
		1542	4	1	98%(383/393)	86%(6/7)
		2526	7	4	98%(275/282)	100%(4/4)
		677	3	2	97%(383/394)	88%(7/8)
2307	99.0	036	1	3	100%(195/195)	100%(2/2)
		047	1	3	100%(157/157)	100%(2/2)
		72	1	3	100%(195/195)	100%(2/2)
		183	1	3	100%(195/195)	100%(2/2)
		274	1	5	100%(158/158)	100%(2/2)
		370	1	6	100%(48/48)	100%(1/1)
		416	1	226	100%(72/72)	100%(1/1)
		419	1	2	100%(192/192)	100%(2/2)
		448	1	3	100%(195/195)	100%(2/2)
		556	1	3	100%(195/195)	100%(2/2)
		573	1	23	100%(124/124)	100%(1/1)
		871	1	3	100%(195/195)	100%(2/2)
		952	1	4	100%(195/195)	100%(2/2)
		1000	1	1	100%(195/195)	100%(2/2)
		1032	1	4	100%(195/195)	100%(2/2)
		1192	1	3	100%(195/195)	100%(2/2)
		1343	1	54	100%(80/80)	100%(1/1)
		1367	1	3	100%(195/195)	100%(2/2)
		1467	1	5	100%(172/172)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		1471	1	3	100%(195/195)	100%(2/2)
		1491	1	3	100%(195/195)	100%(2/2)
		1494	1	3	100%(195/195)	100%(2/2)
		1566	1	3	100%(195/195)	100%(2/2)
		1632	1	3	100%(195/195)	100%(2/2)
		1664	1	4	100%(195/195)	100%(2/2)
		2135	1	1	100%(195/195)	100%(2/2)
		2316	1	89	100%(111/111)	100%(1/1)
		2502	1	3	100%(195/195)	100%(2/2)
		2546	1	2	100%(195/195)	100%(2/2)
		2634	1	57	100%(79/79)	100%(1/1)
		2686	1	3	100%(195/195)	100%(2/2)
		2721	1	3	100%(195/195)	100%(2/2)
		2725	1	4	100%(51/51)	100%(1/1)
		2773	1	4	100%(195/195)	100%(2/2)
		2908	1	8	100%(23/23)	100%(1/1)
		5	2	1	100%(194/195)	100%(1/1)
		7	2	2	100%(194/195)	100%(2/2)
		9	2	1	100%(194/195)	100%(2/2)
		26	1	1	100%(194/195)	100%(1/1)
		49	2	2	100%(194/195)	100%(2/2)
		123	1	1	100%(194/195)	100%(2/2)
		139	2	2	100%(194/195)	100%(1/1)
		140	2	4	100%(194/195)	100%(2/2)
		230	2	1	100%(194/195)	100%(2/2)
		298	1	1	100%(194/195)	100%(1/1)
		411	2	1	100%(194/195)	100%(2/2)
		439	3	1	100%(194/195)	100%(1/1)
		511	1	1	100%(193/194)	100%(1/1)
		516	3	13	100%(194/195)	100%(1/1)
		563	1	2	100%(194/195)	100%(2/2)
		588	2	1	100%(194/195)	100%(1/1)
		592	2	1	100%(194/195)	100%(2/2)
		698	2	1	100%(194/195)	100%(2/2)
		714	1	1	100%(194/195)	100%(2/2)
		718	2	1	100%(194/195)	100%(2/2)
		728	2	1	100%(194/195)	100%(2/2)
		750	2	1	100%(194/195)	100%(2/2)
		774	1	2	100%(194/195)	100%(1/1)
		831	1	1	100%(194/195)	100%(2/2)
		877	3	7	100%(194/195)	100%(1/1)
		887	2	1	100%(194/195)	100%(1/1)
		925	2	5	100%(194/195)	100%(2/2)
		1033	2	4	100%(194/195)	100%(1/1)
		1034	3	3	100%(194/195)	100%(2/2)
		1039	2	2	100%(194/195)	100%(1/1)
		1114	2	6	100%(194/195)	100%(1/1)
		1120	3	2	100%(194/195)	100%(2/2)
		1125	1	1	100%(194/195)	100%(2/2)
		1142	2	1	100%(193/194)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		1179	1	1	100%(194/195)	100%(2/2)
		1190	1	1	100%(194/195)	100%(2/2)
		1205	2	4	100%(194/195)	100%(2/2)
		1232	2	1	100%(194/195)	100%(1/1)
		1322	2	2	100%(194/195)	100%(1/1)
		1404	1	1	100%(188/189)	100%(1/1)
		1409	1	1	100%(194/195)	100%(2/2)
		1423	1	4	100%(194/195)	100%(1/1)
		1425	2	1	100%(194/195)	100%(2/2)
		1442	1	1	100%(194/195)	100%(1/1)
		1461	3	4	100%(194/195)	100%(1/1)
		1474	2	3	100%(194/195)	100%(1/1)
		1475	1	1	100%(194/195)	100%(1/1)
		1481	2	2	100%(194/195)	100%(2/2)
		1485	2	1	100%(194/195)	100%(2/2)
		1521	1	2	100%(194/195)	100%(1/1)
		1544	3	9	100%(194/195)	100%(1/1)
		1565	1	1	100%(185/186)	100%(1/1)
		1647	2	1	100%(194/195)	100%(1/1)
		1656	3	7	100%(194/195)	100%(1/1)
		1680	2	3	100%(194/195)	100%(1/1)
		1703	3	5	100%(194/195)	100%(1/1)
		1789	2	4	100%(192/193)	100%(1/1)
		1790	1	1	100%(194/195)	100%(2/2)
		1791	1	3	100%(194/195)	100%(1/1)
		2176	1	1	100%(194/195)	100%(2/2)
		2178	2	2	100%(194/195)	100%(2/2)
		2182	1	1	100%(194/195)	100%(2/2)
		2245	2	1	100%(194/195)	100%(2/2)
		2284	2	1	100%(194/195)	100%(2/2)
		2508	1	1	100%(194/195)	100%(1/1)
		2545	2	2	100%(193/194)	100%(2/2)
		2555	2	1	100%(194/195)	100%(2/2)
		2571	2	2	100%(194/195)	100%(2/2)
		2592	2	3	100%(193/194)	100%(1/1)
		2732	2	1	100%(194/195)	100%(2/2)
		2750	2	1	100%(192/193)	100%(2/2)
		1560	3	2	99%(155/156)	100%(1/1)
		2437	1	1	99%(163/164)	100%(1/1)
		711	3	2	99%(143/144)	100%(1/1)
		2794	3	1	99%(143/144)	100%(1/1)
2311	93.7	no close relatives				
2314	98.0	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		2649	5	93	99%(144/146)	100%(3/3)
		2779	10	14	99%(268/272)	100%(3/3)
		148	15	20	98%(388/395)	100%(5/5)
		989	10	1	98%(388/395)	80%(4/5)
2315	98.2	1547	2	2	99%(392/395)	100%(5/5)
		2782	2	100	99%(127/128)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		1078	4	12	99%(391/395)	100%(4/4)
		1385	2	2	99%(391/395)	100%(4/4)
		1594	9	6	99%(390/395)	100%(4/4)
		1787	9	6	99%(390/395)	100%(4/4)
		502	5	7	99%(389/395)	100%(4/4)
		1173	1	1	99%(389/395)	100%(6/6)
		2645	6	1	99%(389/395)	60%(3/5)
2316	99.2	036	1	3	100%(130/130)	100%(1/1)
		047	1	3	100%(130/130)	100%(1/1)
		5	1	2	100%(130/130)	100%(1/1)
		7	1	3	100%(130/130)	100%(1/1)
		9	1	2	100%(130/130)	100%(1/1)
		72	1	3	100%(130/130)	100%(1/1)
		75	1	2	100%(130/130)	100%(1/1)
		98	1	2	100%(130/130)	100%(1/1)
		120	1	3	100%(129/129)	100%(1/1)
		160	1	2	100%(130/130)	100%(1/1)
		183	1	3	100%(130/130)	100%(1/1)
		199	1	4	100%(130/130)	100%(1/1)
		211	1	2	100%(130/130)	100%(1/1)
		219	1	3	100%(130/130)	100%(1/1)
		230	1	2	100%(130/130)	100%(1/1)
		286	1	2	100%(130/130)	100%(1/1)
		342	1	2	100%(120/120)	100%(1/1)
		399	1	2	100%(130/130)	100%(1/1)
		408	1	2	100%(130/130)	100%(1/1)
		411	1	2	100%(130/130)	100%(1/1)
		416	1	226	100%(76/76)	100%(1/1)
		439	1	2	100%(130/130)	100%(1/1)
		448	1	3	100%(130/130)	100%(1/1)
		497	1	2	100%(130/130)	100%(1/1)
		504	1	2	100%(130/130)	100%(1/1)
		516	1	2	100%(130/130)	100%(1/1)
		556	1	3	100%(130/130)	100%(1/1)
		568	1	2	100%(130/130)	100%(1/1)
		587	1	2	100%(130/130)	100%(1/1)
		588	1	2	100%(130/130)	100%(1/1)
		698	1	2	100%(130/130)	100%(1/1)
		728	1	2	100%(130/130)	100%(1/1)
		764	1	2	100%(130/130)	100%(1/1)
		843	1	4	100%(130/130)	100%(1/1)
		871	1	3	100%(130/130)	100%(1/1)
		877	1	5	100%(129/129)	100%(1/1)
		880	1	3	100%(130/130)	100%(1/1)
		896	1	2	100%(130/130)	100%(1/1)
		937	1	2	100%(130/130)	100%(1/1)
		1032	1	4	100%(130/130)	100%(1/1)
		1033	1	3	100%(130/130)	100%(1/1)
		1034	1	2	100%(130/130)	100%(1/1)
		1058	1	3	100%(130/130)	100%(1/1)



Ms	MT	OMs	C	N	Overall	non-MT
		1114	1	2	100%(130/130)	100%(1/1)
		1120	1	2	100%(130/130)	100%(1/1)
		1155	1	3	100%(130/130)	100%(1/1)
		1157	1	2	100%(130/130)	100%(1/1)
		1167	1	2	100%(130/130)	100%(1/1)
		1186	1	2	100%(130/130)	100%(1/1)
		1192	1	3	100%(130/130)	100%(1/1)
		1205	1	3	100%(130/130)	100%(1/1)
		1225	1	2	100%(130/130)	100%(1/1)
		1232	1	2	100%(130/130)	100%(1/1)
		1285	1	2	100%(130/130)	100%(1/1)
		1322	1	2	100%(130/130)	100%(1/1)
		1367	1	3	100%(130/130)	100%(1/1)
		1459	1	2	100%(130/130)	100%(1/1)
		1464	1	2	100%(130/130)	100%(1/1)
		1467	1	5	100%(130/130)	100%(1/1)
		1471	1	3	100%(130/130)	100%(1/1)
		1473	1	4	100%(130/130)	100%(1/1)
		1478s	1	2	100%(130/130)	100%(1/1)
		1481	1	2	100%(130/130)	100%(1/1)
		1491	1	3	100%(130/130)	100%(1/1)
		1494	1	3	100%(130/130)	100%(1/1)
		1514	1	2	100%(130/130)	100%(1/1)
		1564	1	2	100%(127/127)	100%(1/1)
		1566	1	3	100%(130/130)	100%(1/1)
		1569	1	2	100%(122/122)	100%(1/1)
		1570	1	2	100%(130/130)	100%(1/1)
		1632	1	3	100%(130/130)	100%(1/1)
		1664	1	4	100%(130/130)	100%(1/1)
		1687	1	3	100%(130/130)	100%(1/1)
		1789	1	3	100%(128/128)	100%(1/1)
		2098	1	4	100%(130/130)	100%(1/1)
		2112	1	2	100%(130/130)	100%(1/1)
		2200	1	2	100%(130/130)	100%(1/1)
		2217	1	2	100%(130/130)	100%(1/1)
		2307	1	35	100%(111/111)	100%(1/1)
		2317	1	2	100%(130/130)	100%(1/1)
		2356	1	2	100%(130/130)	100%(1/1)
		2502	1	3	100%(130/130)	100%(1/1)
		2507	1	3	100%(130/130)	100%(1/1)
		2545	1	2	100%(129/129)	100%(1/1)
		2604	1	4	100%(130/130)	100%(1/1)
		2686	1	3	100%(130/130)	100%(1/1)
		2721	1	3	100%(130/130)	100%(1/1)
		2773	1	4	100%(130/130)	100%(1/1)
		2863	1	2	100%(130/130)	100%(1/1)
2317	98.5	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		556	2	2	100%(390/392)	100%(5/5)
		573	2	121	99%(147/148)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		2782	2	100	99%(127/128)	100%(1/1)
		1120	8	22	99%(388/392)	100%(4/4)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(1/1)
2321	97.7	470	3	3	100%(393/395)	100%(8/8)
		490	3	3	100%(393/395)	100%(8/8)
		771	2	82	100%(207/208)	100%(1/1)
		1486	3	3	100%(393/395)	100%(8/8)
		980	3	3	99%(392/395)	100%(7/7)
		766	4	162	99%(143/145)	100%(1/1)
		654	3	1	99%(387/393)	100%(6/6)
		159	4	1	98%(386/394)	100%(7/7)
		522	4	2	98%(387/395)	100%(5/5)
		700	1	1	98%(387/395)	100%(7/7)
2322	99.0	201	2	70	100%(393/394)	100%(3/3)
		845	2	69	100%(393/394)	100%(3/3)
		1145	2	73	100%(372/373)	100%(3/3)
		1328	2	69	100%(393/394)	100%(3/3)
		1493	2	71	100%(392/393)	100%(2/2)
		246	2	83	100%(196/197)	100%(2/2)
		415	3	9	100%(392/394)	100%(3/3)
		1062	3	4	100%(392/394)	100%(3/3)
		1095	2	5	100%(392/394)	100%(3/3)
		1633	2	77	100%(201/202)	100%(2/2)
		1703	3	5	100%(392/394)	100%(3/3)
		573	2	121	99%(147/148)	100%(1/1)
2323	99.5	Kr				
2324	98.5	573	2	121	99%(147/148)	100%(1/1)
		2717	3	2	99%(228/230)	100%(2/2)
		034	1	4	99%(391/395)	100%(4/4)
		145	2	1	99%(391/395)	100%(4/4)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		350	5	2	99%(359/364)	75%(3/4)
2328	97.0	276	5	2	98%(388/395)	100%(7/7)
		1404	9	1	98%(374/382)	100%(6/6)
2346	98.7	100	2	4	100%(394/395)	100%(4/4)
		1164	2	4	100%(394/395)	100%(4/4)
		1340	2	4	100%(391/392)	100%(4/4)
		371	2	3	100%(393/395)	100%(4/4)
		597	2	3	100%(393/395)	100%(4/4)
		1235	2	3	100%(393/395)	100%(4/4)
		291	2	5	99%(392/395)	100%(3/3)
		1056	2	5	99%(392/395)	100%(4/4)
		1423	2	4	99%(392/395)	100%(4/4)
		1510	2	5	99%(390/394)	100%(4/4)
		2567	2	10	99%(208/210)	100%(1/1)
2352	99.2	Kr				
2354	98.7	399	3	13	100%(393/395)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		768	1	1	99%(390/393)	100%(3/3)
		1225	3	3	99%(392/395)	100%(4/4)
		198	5	12	99%(391/395)	100%(3/3)
		765	8	12	99%(391/395)	100%(4/4)
		1157	6	9	99%(391/395)	100%(3/3)
		1205	7	21	99%(391/395)	100%(3/3)
		2200	6	13	99%(391/395)	100%(3/3)
		2415	5	17	99%(391/395)	100%(3/3)
		779	2	79	99%(84/85)	100%(1/1)
2355	99.0	246	1	124	100%(198/198)	100%(2/2)
		1633	1	119	100%(203/203)	100%(2/2)
		387	2	5	100%(393/395)	100%(3/3)
		1552	3	3	99%(392/395)	100%(3/3)
2356	99.2	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		1514	2	8	100%(394/395)	100%(2/2)
		199	3	13	100%(393/395)	100%(2/2)
		399	3	13	100%(393/395)	100%(2/2)
		653	2	8	100%(393/395)	100%(2/2)
		1459	3	13	100%(393/395)	100%(2/2)
		1687	3	6	100%(393/395)	100%(2/2)
		2098	3	13	100%(393/395)	100%(2/2)
		2507	3	6	100%(393/395)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
2362	99.0	1530	1	1	100%(391/392)	100%(4/4)
		507	1	1	100%(393/395)	100%(4/4)
2364s	99.2	Kr				
2367	99.2	Kr				
2369	97.9	011	7	1	98%(243/247)	75%(3/4)
		045	6	1	98%(366/372)	100%(4/4)
		21	14	1	98%(367/373)	100%(3/3)
		194	10	1	98%(368/374)	100%(4/4)
		135	15	2	98%(367/374)	80%(4/5)
		530	5	2	98%(367/374)	100%(5/5)
		1083	16	3	98%(367/374)	100%(4/4)
		1266	14	1	98%(367/374)	75%(3/4)
		2176	5	1	98%(367/374)	100%(4/4)
		2304	7	1	98%(367/374)	100%(5/5)
2370	98.0	2178	10	16	99%(390/395)	100%(5/5)
		1197	13	19	99%(389/395)	100%(5/5)
		1693	14	18	98%(388/395)	100%(5/5)
2371	98.2	2782	2	100	99%(127/128)	100%(1/1)
		219	7	8	99%(391/395)	100%(4/4)
		1598	6	1	99%(391/395)	80%(4/5)
		2200	6	13	99%(391/395)	100%(4/4)
		779	2	79	99%(84/85)	100%(1/1)
		11	4	4	99%(389/395)	100%(5/5)
		200	5	2	99%(389/395)	100%(4/4)
		358	8	5	99%(389/395)	100%(4/4)
		1324	4	2	99%(389/395)	100%(4/4)

Ms	MT	OMs	C	N	Overall	non-MT
		1564	8	12	98%(374/380)	100%(4/4)
2372	96.1	697	2	1	99%(278/282)	90%(9/10)
		1005	3	1	99%(278/282)	90%(9/10)
		1365	2	1	99%(278/282)	90%(9/10)
		489	22	1	97%(272/282)	67%(4/6)
		1219	21	2	97%(272/282)	80%(4/5)
		1816	9	1	97%(272/282)	100%(4/4)
2374	96.7	904	7	25	98%(194/198)	100%(2/2)
		2238	11	2	97%(376/386)	100%(7/7)
		370	15	24	97%(123/127)	100%(2/2)
2375	97.4	585	2	1	99%(386/391)	100%(8/8)
		2535	4	2	98%(189/192)	100%(5/5)
		545	4	2	98%(383/391)	100%(7/7)
		1434	6	6	98%(382/391)	100%(6/6)
2381	98.7	416	1	226	100%(76/76)	100%(1/1)
		332	3	4	100%(375/377)	100%(4/4)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		2782	2	100	99%(127/128)	100%(1/1)
		77	3	3	99%(391/395)	100%(4/4)
		933	3	2	99%(390/394)	100%(4/4)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
2382	99.5	Kr				
2386	98.0	416	1	226	100%(76/76)	100%(1/1)
		013	2	10	99%(235/237)	100%(4/4)
		1073	3	8	99%(391/394)	100%(6/6)
		1341	5	21	99%(390/394)	100%(5/5)
		1790	3	5	99%(390/394)	100%(6/6)
		2679s	2	92	99%(98/99)	100%(2/2)
		011	2	11	99%(265/268)	100%(5/5)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		396	3	5	99%(388/394)	100%(5/5)
2387	97.2	1531	1	1	99%(392/395)	100%(11/11)
		49	11	9	99%(389/395)	100%(6/6)
		86	4	1	98%(388/395)	100%(9/9)
		973	7	2	98%(387/394)	100%(6/6)
		2291	3	1	98%(388/395)	100%(11/11)
		2611	3	1	98%(388/395)	100%(9/9)
		569	4	1	98%(387/395)	100%(9/9)
		1170	5	1	98%(387/395)	100%(8/8)
		1788	5	1	98%(383/391)	86%(6/7)
		2686	11	4	98%(387/395)	100%(6/6)
2388	98.0	2141	1	1	100%(394/395)	100%(7/7)
		349	1	1	100%(393/395)	100%(8/8)
		1568	1	3	99%(392/395)	100%(5/5)
		414	5	6	99%(391/395)	100%(5/5)
		1466	5	6	99%(391/395)	100%(5/5)

Ms	MT	OMs	C	N	Overall	non-MT
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2856	8	1	99%(390/395)	80%(4/5)
		852	5	3	99%(389/395)	100%(5/5)
		1465	6	1	98%(388/395)	83%(5/6)
2389	99.2	416	1	226	100%(75/75)	100%(1/1)
		143	3	8	100%(387/389)	100%(2/2)
		246	2	83	100%(195/196)	100%(1/1)
		516	3	13	100%(386/388)	100%(2/2)
		564	2	3	100%(387/389)	100%(2/2)
		711	2	25	100%(216/217)	100%(2/2)
		769	3	76	100%(387/389)	100%(2/2)
		1033	2	4	100%(387/389)	100%(2/2)
		1114	2	6	100%(387/389)	100%(2/2)
		1305	1	7	100%(387/389)	100%(2/2)
		1445	3	76	100%(387/389)	100%(2/2)
		1633	2	77	100%(200/201)	100%(1/1)
		2099	1	15	100%(387/389)	100%(2/2)
		2255	3	76	100%(387/389)	100%(2/2)
		766	2	54	99%(140/141)	100%(2/2)
2394	97.2	776	1	1	99%(390/394)	90%(9/10)
		1455	2	1	99%(390/395)	100%(10/10)
		2613	1	1	99%(389/395)	100%(8/8)
		1589	1	1	98%(387/395)	100%(7/7)
		697	4	1	98%(385/395)	100%(8/8)
		1005	6	1	98%(385/395)	100%(8/8)
2396	98.2	65	1	1	100%(394/394)	100%(7/7)
		219	5	16	99%(391/394)	100%(4/4)
		1575	1	5	99%(391/394)	100%(4/4)
		2782	2	100	99%(127/128)	100%(2/2)
		1155	5	14	99%(390/394)	100%(4/4)
		779	2	79	99%(84/85)	100%(1/1)
		358	6	12	99%(389/394)	100%(4/4)
		360	6	13	99%(389/394)	100%(4/4)
		1790	6	7	99%(389/394)	100%(5/5)
		1373	6	3	99%(388/394)	100%(4/4)
2397	94.4	1001	1	1	100%(393/395)	100%(22/22)
		2252	1	1	99%(390/394)	95%(18/19)
		782	2	1	99%(389/395)	90%(17/19)
		1676	8	1	97%(383/394)	93%(13/14)
		2728	7	1	97%(384/395)	88%(14/16)
		1006	9	1	97%(383/395)	88%(14/16)
		1268	8	1	97%(383/395)	82%(14/17)
		475s	6	9	96%(42/44)	67%(2/3)
		780	7	1	95%(371/390)	77%(10/13)
		27s	5	1	95%(351/371)	64%(9/14)
2398	98.3	1580	1	1	99%(237/239)	100%(2/2)
		34	5	1	99%(236/239)	100%(2/2)
		51	3	2	99%(236/239)	100%(2/2)
		194	4	1	99%(236/239)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		989	5	2	99%(236/239)	100%(3/3)
		1350	3	1	99%(236/239)	100%(2/2)
		1639	4	4	99%(236/239)	100%(2/2)
		2178	10	16	99%(236/239)	100%(1/1)
		2562	5	4	99%(225/228)	100%(1/1)
		836	10	2	99%(206/209)	100%(1/1)
2399	97.5	246	2	83	100%(191/192)	100%(2/2)
		2689	3	1	99%(240/242)	100%(4/4)
		2725	7	33	99%(192/194)	100%(2/2)
		107	7	1	99%(239/242)	100%(3/3)
		520	2	1	99%(239/242)	100%(3/3)
		511	5	1	98%(234/238)	75%(3/4)
		1039	6	1	98%(238/242)	75%(3/4)
		1614	3	1	98%(238/242)	100%(4/4)
		988	5	1	98%(237/242)	100%(4/4)
		2656	4	1	98%(236/241)	100%(3/3)
2400	97.0	482	1	1	98%(387/394)	82%(9/11)
		515	3	1	98%(380/387)	88%(7/8)
		574	2	1	98%(387/394)	83%(10/12)
		1398	1	1	98%(386/394)	91%(10/11)
		2516	2	1	98%(386/394)	80%(8/10)
2404	95.2	2902	12	5	98%(386/395)	100%(12/12)
		114	8	4	98%(385/395)	100%(12/12)
		489	11	4	98%(385/395)	100%(12/12)
		1079	12	5	98%(385/395)	100%(12/12)
		1699	8	2	98%(385/395)	100%(10/10)
		1690	11	2	97%(384/395)	100%(11/11)
		1272	7	1	97%(383/395)	100%(12/12)
		581	10	1	97%(382/395)	100%(12/12)
		1627	11	1	97%(382/395)	100%(12/12)
		2463	9	3	97%(382/395)	100%(10/10)
2405	95.9	78	4	1	98%(383/391)	100%(8/8)
		1448	4	2	98%(384/392)	100%(9/9)
		127	6	1	98%(383/392)	100%(9/9)
		132	5	1	98%(383/392)	100%(10/10)
		1701	4	1	98%(383/392)	100%(10/10)
		370	17	6	97%(123/127)	67%(2/3)
		175	10	1	97%(379/392)	90%(9/10)
		2524	8	1	97%(375/388)	100%(11/11)
		352	13	2	96%(377/391)	90%(9/10)
		1676	15	1	96%(376/391)	89%(8/9)
2406	96.2	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		2649	8	93	98%(143/146)	100%(3/3)
2407	98.7	2466	2	12	100%(394/395)	100%(4/4)
		83	3	68	100%(393/395)	100%(3/3)
		932	3	69	100%(393/395)	100%(3/3)
		961	3	69	100%(393/395)	100%(3/3)
		1023	3	67	100%(392/394)	100%(3/3)
		1596	3	69	100%(393/395)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		1620	3	69	100%(393/395)	100%(3/3)
		1628	3	69	100%(393/395)	100%(3/3)
		1698	3	68	100%(393/395)	100%(3/3)
		1705	3	68	100%(393/395)	100%(3/3)
		2122	3	69	100%(393/395)	100%(3/3)
		2364s	3	68	100%(393/395)	100%(3/3)
		2177	1	22	99%(158/159)	100%(1/1)
		986	3	8	99%(391/395)	100%(3/3)
2411	94.4	489	14	1	97%(366/376)	79%(11/14)
		1219	16	1	97%(366/376)	85%(11/13)
		2902	18	1	97%(365/376)	83%(10/12)
		114	15	1	97%(364/376)	77%(10/13)
		1079	18	1	97%(364/376)	83%(10/12)
		389	17	1	96%(361/375)	77%(10/13)
		1627	12	1	96%(361/376)	91%(10/11)
2414	98.1	800	1	2	100%(55/55)	100%(1/1)
		2782	1	33	100%(28/28)	100%(1/1)
		178	1	1	100%(268/269)	100%(4/4)
		353	1	1	99%(267/269)	100%(4/4)
		229	3	1	99%(266/269)	100%(3/3)
		1443	3	1	99%(266/269)	100%(4/4)
		1670	2	1	99%(266/269)	100%(3/3)
		904	1	3	99%(83/84)	100%(1/1)
		282	2	1	99%(265/269)	100%(3/3)
		661	3	8	99%(265/269)	100%(3/3)
		785	2	1	99%(265/269)	100%(4/4)
		2482	1	4	99%(265/269)	100%(4/4)
2415	98.7	271	1	1	100%(394/395)	100%(5/5)
		199	3	13	100%(393/395)	100%(3/3)
		399	3	13	100%(393/395)	100%(3/3)
		2098	3	13	100%(393/395)	100%(3/3)
		028	1	2	99%(392/395)	100%(4/4)
		045	1	2	99%(390/393)	100%(5/5)
		568	3	3	99%(392/395)	100%(4/4)
		1142	3	7	99%(390/393)	100%(3/3)
		1341	3	8	99%(392/395)	100%(4/4)
		2754	2	2	99%(392/395)	100%(3/3)
		2782	2	100	99%(127/128)	100%(2/2)
		2354	3	6	99%(391/395)	100%(3/3)
		779	2	79	99%(84/85)	100%(1/1)
2418	100.0	no close relatives				
2420	98.5	43	6	1	99%(392/395)	75%(3/4)
		179	6	86	99%(247/249)	100%(2/2)
		232	3	4	99%(392/395)	100%(4/4)
		711	5	109	99%(219/221)	100%(2/2)
		166	7	11	99%(390/395)	100%(4/4)
		263	2	5	99%(390/395)	100%(4/4)
		714	6	9	99%(390/395)	100%(4/4)
		746	2	8	99%(390/395)	100%(4/4)
		2732	10	7	99%(390/395)	100%(4/4)

Ms	MT	OMs	C	N	Overall	non-MT
		766	4	162	99%(143/145)	100%(2/2)
2422	95.9	2679s	4	2	99%(94/95)	100%(3/3)
		2708	9	1	96%(375/390)	78%(7/9)
2426	98.0	1331	1	1	99%(389/395)	100%(5/5)
2430	98.0	no close relatives				
2437	97.8	2307	3	2	99%(163/164)	100%(1/1)
		1566	5	1	99%(361/364)	100%(5/5)
		871	5	1	99%(360/364)	100%(5/5)
		190	10	3	99%(359/364)	100%(4/4)
		1481	7	1	99%(359/364)	100%(4/4)
		875	1	1	98%(358/364)	100%(4/4)
		1110	8	1	98%(357/364)	100%(5/5)
		2721	8	1	98%(357/364)	100%(4/4)
2439	98.7	2471	1	2	100%(394/395)	100%(4/4)
		1562	2	1	100%(393/395)	100%(4/4)
		1034	5	7	99%(392/395)	100%(3/3)
		22	2	2	99%(391/395)	100%(5/5)
		122	4	19	99%(391/395)	100%(3/3)
		2679s	2	92	99%(98/99)	100%(2/2)
2442	97.7	416	1	226	100%(76/76)	100%(1/1)
		1073	2	1	100%(342/343)	100%(7/7)
		1804	2	99	99%(121/122)	100%(2/2)
		2213	3	1	99%(340/343)	75%(6/8)
		396	3	5	99%(338/343)	100%(5/5)
		2195	4	3	99%(338/343)	100%(5/5)
		2722	2	1	98%(246/250)	100%(2/2)
		87	4	1	98%(337/343)	100%(5/5)
		447	2	1	98%(337/343)	100%(5/5)
		1228	2	1	98%(337/343)	100%(6/6)
2444	99.0	1712	1	129	100%(191/191)	100%(1/1)
		361	2	73	100%(394/395)	100%(3/3)
		1165	2	73	100%(394/395)	100%(3/3)
		2460	2	73	100%(394/395)	100%(3/3)
		246	2	83	100%(197/198)	100%(2/2)
		415	3	9	100%(393/395)	100%(3/3)
		1145	3	66	100%(372/374)	100%(2/2)
		1323	3	7	100%(393/395)	100%(3/3)
		1462	3	7	100%(393/395)	100%(3/3)
		1476	3	8	100%(393/395)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		1634	3	7	100%(393/395)	100%(3/3)
2446	98.5	no close relatives				
2451	98.5	1240	1	1	100%(393/395)	83%(5/6)
		2201	1	1	100%(393/395)	100%(4/4)
		409	1	1	99%(392/395)	100%(4/4)
		2782	2	100	99%(127/128)	100%(2/2)
		708	3	1	99%(391/395)	100%(4/4)
		1438	2	3	99%(391/395)	100%(4/4)
		2586	2	1	99%(390/394)	100%(5/5)
		355	3	3	99%(390/395)	100%(5/5)



Ms	MT	OMs	C	N	Overall	non-MT
		661	2	4	99%(390/395)	100%(4/4)
		2499	3	1	99%(390/395)	100%(6/6)
2452	95.4	820	6	1	98%(339/347)	90%(9/10)
		883	4	1	98%(341/349)	91%(10/11)
		684	21	1	97%(338/349)	100%(9/9)
		834	20	1	97%(338/349)	100%(10/10)
		1536	19	2	97%(337/349)	90%(9/10)
		1261	20	1	97%(332/344)	90%(9/10)
		2185	13	1	96%(323/335)	78%(7/9)
		729	20	1	96%(321/334)	90%(9/10)
		1533	21	1	96%(335/349)	88%(7/8)
		1182	9	1	96%(211/220)	100%(6/6)
2454	98.2	246	2	83	100%(197/198)	100%(2/2)
		1633	2	77	100%(202/203)	100%(2/2)
		1031	5	8	99%(391/395)	100%(4/4)
		766	4	162	99%(143/145)	100%(1/1)
		1280	12	5	99%(389/395)	100%(4/4)
		1804	7	160	98%(120/122)	100%(1/1)
2458	98.7	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		2666	4	8	100%(393/395)	100%(3/3)
		57	5	1	99%(392/395)	75%(3/4)
		549	5	3	99%(392/395)	100%(3/3)
		77	3	3	99%(391/395)	100%(4/4)
		410	4	3	99%(390/394)	100%(3/3)
		2695	2	2	99%(391/395)	100%(4/4)
2460	99.2	Kr				
2462	98.5	153	4	2	99%(392/395)	80%(4/5)
		1418	3	5	99%(391/395)	100%(4/4)
		783	4	3	99%(390/395)	100%(5/5)
		766	4	162	99%(143/145)	100%(1/1)
2463	96.5	1699	2	1	99%(390/395)	100%(10/10)
		1219	8	3	98%(388/395)	100%(11/11)
		1306	9	1	98%(362/369)	86%(6/7)
		1627	2	2	98%(387/395)	100%(12/12)
		1690	5	3	98%(387/395)	100%(10/10)
		2902	9	3	98%(387/395)	100%(10/10)
		581	2	1	98%(385/395)	100%(11/11)
		1272	6	4	97%(384/395)	100%(10/10)
		1816	8	2	97%(382/395)	100%(8/8)
		2404	5	3	97%(382/395)	100%(10/10)
2465	97.5	416	1	226	100%(76/76)	100%(1/1)
		2679s	2	92	99%(98/99)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		765	13	20	99%(390/395)	100%(6/6)
		449	14	1	99%(389/395)	86%(6/7)
		1266	10	6	99%(389/395)	100%(6/6)
		011	10	16	98%(263/268)	100%(5/5)
		1210	9	2	98%(387/395)	100%(6/6)

Ms	MT	OMs	C	N	Overall	non-MT
		530	10	1	98%(386/395)	83%(5/6)
2466	99.0	1092	1	104	100%(252/252)	100%(1/1)
		1400	1	119	100%(211/211)	100%(1/1)
		83	2	69	100%(394/395)	100%(3/3)
		932	2	70	100%(394/395)	100%(3/3)
		961	2	70	100%(394/395)	100%(3/3)
		1023	2	70	100%(393/394)	100%(3/3)
		1596	2	70	100%(394/395)	100%(3/3)
		1620	2	70	100%(394/395)	100%(3/3)
		1628	2	70	100%(394/395)	100%(3/3)
		1698	2	69	100%(394/395)	100%(3/3)
		1705	2	69	100%(394/395)	100%(3/3)
		2122	2	70	100%(394/395)	100%(3/3)
		2364s	2	69	100%(394/395)	100%(3/3)
		2407	1	1	100%(394/395)	100%(4/4)
		246	2	83	100%(197/198)	100%(2/2)
		645	2	4	100%(393/395)	100%(3/3)
		758	3	5	100%(393/395)	100%(3/3)
		1600	3	6	100%(393/395)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		1656	3	7	100%(393/395)	100%(3/3)
		2177	1	22	99%(158/159)	100%(1/1)
		986	2	8	99%(392/395)	100%(3/3)
		1057	2	8	99%(392/395)	100%(3/3)
		1088	3	2	99%(392/395)	100%(3/3)
		1786	3	2	99%(391/394)	100%(3/3)
2467	98.2	246	1	124	100%(88/88)	100%(2/2)
		1633	1	119	100%(90/90)	100%(2/2)
		55	3	2	99%(280/282)	100%(3/3)
		1615	2	1	99%(280/282)	100%(4/4)
		2109	3	1	99%(280/282)	100%(3/3)
		979	3	1	99%(279/282)	100%(3/3)
		498	3	1	99%(278/282)	100%(3/3)
		561	3	2	99%(278/282)	100%(3/3)
		1345	3	1	99%(278/282)	100%(3/3)
		1823	1	1	99%(278/282)	100%(4/4)
2470	95.5	1160	4	1	99%(352/356)	93%(13/14)
		742	6	1	99%(350/355)	85%(11/13)
		855	3	1	99%(351/356)	86%(12/14)
		857	3	1	98%(350/356)	93%(14/15)
		723	3	1	98%(349/356)	92%(12/13)
		1336	5	1	98%(284/290)	92%(11/12)
		1534	3	1	98%(348/356)	93%(14/15)
		1021	2	1	97%(339/351)	82%(9/11)
		744	5	1	96%(342/356)	73%(11/15)
		2206	4	1	96%(340/354)	77%(10/13)
2471	99.0	1562	1	1	100%(394/395)	100%(4/4)
		2439	1	1	100%(394/395)	100%(4/4)
2472	99.2	105	1	8	100%(393/395)	100%(2/2)
		410	2	1	100%(392/394)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		771	2	82	100%(207/208)	100%(1/1)
		2666	4	8	100%(393/395)	100%(2/2)
2474	97.5	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		475	5	5	99%(349/351)	100%(6/6)
		573	2	121	99%(147/148)	100%(2/2)
		2649	2	17	99%(145/146)	100%(3/3)
		179	6	86	99%(246/248)	100%(2/2)
		1123	5	2	99%(391/394)	100%(8/8)
		711	5	109	99%(218/220)	100%(2/2)
		766	4	162	99%(143/145)	100%(2/2)
		748	6	64	98%(178/181)	100%(2/2)
2475	99.2	no close relatives				
2476	97.7	1804	7	160	98%(120/122)	100%(1/1)
2478	94.9	1113	7	1	97%(381/394)	83%(10/12)
		679	3	1	96%(377/394)	75%(9/12)
		475s	6	9	96%(42/44)	67%(2/3)
2479	99.0	1712	1	129	100%(191/191)	100%(1/1)
		361	2	73	100%(394/395)	100%(3/3)
		1165	2	73	100%(394/395)	100%(3/3)
		2460	2	73	100%(394/395)	100%(3/3)
		1119	2	6	100%(277/278)	100%(3/3)
		246	2	83	100%(197/198)	100%(2/2)
		415	3	9	100%(393/395)	100%(3/3)
		1323	3	7	100%(393/395)	100%(3/3)
		1462	3	7	100%(393/395)	100%(3/3)
		1476	3	8	100%(393/395)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		1634	3	7	100%(393/395)	100%(3/3)
		2444	3	9	100%(393/395)	100%(3/3)
2482	97.5	989	6	3	99%(389/395)	100%(6/6)
		997	9	6	99%(389/395)	100%(6/6)
		1592	8	3	99%(389/395)	100%(6/6)
		2414	7	17	99%(265/269)	100%(4/4)
		63	6	2	98%(388/395)	100%(6/6)
		391	5	1	98%(387/395)	100%(6/6)
		770	9	3	98%(372/380)	100%(6/6)
		2649	8	93	98%(143/146)	100%(3/3)
		186	8	2	98%(386/395)	100%(6/6)
2483	97.7	305	8	1	99%(384/390)	80%(4/5)
		2649	8	93	98%(143/146)	100%(2/2)
2487	97.0	no close relatives				
2490	96.7	370	6	2	98%(125/127)	75%(3/4)
		854	11	2	98%(388/395)	90%(9/10)
		2735	9	1	98%(387/395)	91%(10/11)
		731s	1	10	98%(44/45)	100%(1/1)
		315	10	2	98%(386/395)	91%(10/11)
		858	12	2	98%(386/395)	80%(8/10)
		1265	12	2	98%(385/395)	88%(7/8)
		1336	10	2	97%(319/328)	91%(10/11)

Ms	MT	OMs	C	N	Overall	non-MT
		303	4	4	97%(374/385)	100%(8/8)
		886	6	1	97%(382/394)	90%(9/10)
2492	97.7	220	2	1	99%(379/384)	100%(6/6)
		1561	3	1	99%(379/384)	100%(6/6)
		2278	3	1	99%(379/384)	83%(5/6)
		2756	5	2	98%(378/384)	100%(6/6)
		557	2	3	98%(377/384)	100%(7/7)
		582	4	1	98%(377/384)	83%(5/6)
		1026	12	2	98%(377/384)	100%(7/7)
		1641	2	1	98%(376/384)	100%(5/5)
		2280	10	1	98%(376/384)	100%(6/6)
2494	98.0	1345	1	1	100%(393/395)	100%(7/7)
		561	1	5	99%(392/395)	100%(6/6)
		2782	2	100	99%(127/128)	100%(2/2)
		483	11	4	99%(389/395)	80%(4/5)
		1143	3	21	99%(194/197)	100%(1/1)
		74	14	4	98%(387/394)	80%(4/5)
		808	5	4	98%(388/395)	100%(5/5)
		995	13	5	98%(388/395)	80%(4/5)
2495	98.0	1505	2	1	99%(390/395)	83%(5/6)
2496	98.7	645	1	7	100%(394/395)	100%(4/4)
		83	3	68	100%(393/395)	100%(3/3)
		246	2	83	100%(197/198)	100%(2/2)
		1023	3	67	100%(392/394)	100%(3/3)
		1633	2	77	100%(202/203)	100%(2/2)
		1698	3	68	100%(393/395)	100%(3/3)
		1705	3	68	100%(393/395)	100%(3/3)
		2364s	3	68	100%(393/395)	100%(3/3)
		2598	2	1	99%(391/394)	100%(4/4)
		2782	2	100	99%(127/128)	100%(1/1)
2497	97.7	2679s	1	22	100%(99/99)	100%(3/3)
		2136	3	5	99%(392/395)	100%(6/6)
		2137	3	5	99%(392/395)	100%(6/6)
		956	6	5	99%(390/395)	100%(6/6)
		1640	6	5	99%(390/395)	100%(6/6)
		2282s	6	5	99%(390/395)	100%(6/6)
		289	5	3	99%(389/395)	100%(7/7)
		1064	4	3	98%(388/395)	100%(6/6)
		2107	6	4	98%(388/395)	100%(5/5)
		283	2	5	98%(159/162)	100%(2/2)
2499	97.2	2782	2	100	99%(127/128)	100%(2/2)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		2451	6	7	99%(390/395)	100%(6/6)
		1240	7	1	99%(389/395)	71%(5/7)
		355	8	1	98%(388/395)	86%(6/7)
		2586	5	3	98%(387/394)	100%(6/6)
		282	4	1	98%(387/395)	71%(5/7)
		28	6	1	98%(282/289)	71%(5/7)
		1364	5	3	98%(385/395)	86%(6/7)

Ms	MT	OMs	C	N	Overall	non-MT
2500	98.0	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		2782	1	33	100%(128/128)	100%(2/2)
		1077	2	2	100%(391/393)	100%(7/7)
		1598	2	2	100%(393/395)	100%(6/6)
		2592	2	3	100%(392/394)	100%(7/7)
		573	2	121	99%(147/148)	100%(2/2)
		2649	2	17	99%(145/146)	100%(3/3)
		358	3	6	99%(392/395)	100%(6/6)
		360	3	5	99%(392/395)	100%(6/6)
		1090	3	1	99%(391/394)	100%(8/8)
		1395	3	1	99%(392/395)	100%(8/8)
		851	1	2	99%(388/392)	100%(7/7)
		1373	3	3	99%(391/395)	100%(6/6)
		1597	3	2	99%(391/395)	100%(6/6)
		779	2	79	99%(84/85)	100%(1/1)
2502	98.7	416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		274	5	2	99%(247/249)	67%(2/3)
		183	5	11	99%(391/395)	100%(3/3)
		448	7	2	99%(391/395)	75%(3/4)
		952	4	1	99%(391/395)	75%(3/4)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
2503	99.5	Kr				
2507	99.2	416	1	226	100%(76/76)	100%(1/1)
		1687	1	3	100%(395/395)	100%(3/3)
		2316	1	89	100%(130/130)	100%(1/1)
		1514	2	8	100%(394/395)	100%(2/2)
		199	3	13	100%(393/395)	100%(2/2)
		399	3	13	100%(393/395)	100%(2/2)
		653	2	8	100%(393/395)	100%(2/2)
		1459	3	13	100%(393/395)	100%(2/2)
		2098	3	13	100%(393/395)	100%(2/2)
		2356	3	7	100%(393/395)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
2508	98.2	2307	2	72	100%(194/195)	100%(1/1)
		1180	5	6	99%(391/395)	100%(4/4)
		1119	5	14	99%(275/278)	100%(3/3)
		546	1	5	99%(222/225)	100%(1/1)
		2284	6	2	99%(389/395)	100%(4/4)
2509	98.0	416	1	226	100%(76/76)	100%(1/1)
		179	2	23	100%(248/249)	100%(3/3)
		711	2	25	100%(220/221)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		748	2	29	99%(179/181)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		2634	2	234	99%(82/83)	100%(1/1)
		528	1	2	99%(389/394)	100%(7/7)
		1089	1	1	99%(388/394)	100%(5/5)
		1901	3	1	98%(386/393)	100%(4/4)
2510	99.2	Kr				
2511	98.7	390	2	10	100%(393/395)	100%(4/4)
		771	2	82	100%(207/208)	100%(1/1)
		2099	1	15	100%(393/395)	100%(3/3)
		484	3	6	99%(392/395)	100%(4/4)
		2266	3	8	99%(392/395)	100%(4/4)
		51	2	2	99%(391/395)	75%(3/4)
		89	3	6	99%(391/395)	100%(4/4)
		986	3	8	99%(391/395)	100%(3/3)
		1318	3	5	99%(391/395)	100%(3/3)
		1635	3	5	99%(391/395)	100%(3/3)
2514	97.2	247	1	1	100%(393/395)	100%(10/10)
		370	2	8	99%(126/127)	100%(4/4)
		1193	2	1	99%(392/395)	100%(9/9)
		2215	2	3	99%(391/394)	100%(8/8)
		2118	2	1	99%(391/395)	100%(9/9)
		1678	2	2	99%(389/395)	89%(8/9)
		1804	8	2	98%(120/122)	67%(2/3)
		76	3	1	98%(388/395)	100%(7/7)
		266	7	1	98%(385/395)	86%(6/7)
		1203	4	1	98%(385/395)	86%(6/7)
2515	98.5	662	2	1	100%(393/395)	100%(5/5)
		748	1	2	99%(180/181)	100%(3/3)
		533	3	3	99%(392/395)	100%(5/5)
		1665	2	1	99%(391/395)	83%(5/6)
		190	8	3	99%(390/395)	75%(3/4)
		766	4	162	99%(143/145)	100%(2/2)
2516	96.5	574	1	1	99%(390/395)	100%(13/13)
		2400	5	1	98%(386/394)	80%(8/10)
		482	3	1	98%(386/395)	82%(9/11)
		443	9	1	98%(385/395)	100%(8/8)
		700	3	1	98%(385/395)	70%(7/10)
		1398	5	1	98%(385/395)	91%(10/11)
		2280	16	1	98%(385/395)	88%(7/8)
		159	7	1	97%(383/394)	100%(8/8)
		544	1	1	97%(384/395)	85%(11/13)
		1313	11	1	97%(383/395)	78%(7/9)
2517	91.5	179s	1	1	100%(12/12)	100%(1/1)
		1	2	1	98%(127/130)	82%(9/11)
		1582	2	1	98%(127/130)	82%(9/11)
		2684	5	1	96%(125/130)	78%(7/9)
		357	6	1	95%(124/130)	80%(8/10)
		565	7	1	95%(124/130)	82%(9/11)
		2575	5	1	95%(124/130)	80%(8/10)
		1819	5	1	94%(122/130)	88%(7/8)
		P60	3	1	92%(48/52)	67%(2/3)

Ms	MT	OMs	C	N	Overall	non-MT
		05s	1	1	92%(120/130)	75%(3/4)
2518	99.0	771	2	82	100%(207/208)	100%(1/1)
		483	3	3	99%(392/395)	100%(4/4)
		730	6	11	99%(386/389)	100%(2/2)
		1394	2	1	99%(392/395)	100%(4/4)
		711	5	109	99%(219/221)	100%(1/1)
2520	99.5	Kr				
2521	98.5	1207	3	3	99%(366/369)	100%(3/3)
		2200	4	5	99%(392/395)	100%(4/4)
		779	2	79	99%(84/85)	100%(1/1)
		2717	4	13	99%(227/230)	100%(1/1)
		2907	8	39	99%(294/298)	100%(1/1)
2522	99.0	no close relatives				
2523	98.0	2782	2	100	99%(127/128)	100%(1/1)
		779	2	79	99%(84/85)	100%(1/1)
		2894	9	1	98%(384/391)	80%(4/5)
2524	95.1	1448	5	1	98%(382/391)	100%(10/10)
		127	11	1	97%(381/391)	100%(10/10)
		132	7	1	97%(381/391)	100%(11/11)
		1701	6	1	97%(381/391)	100%(11/11)
		299	2	1	97%(380/391)	79%(11/14)
		352	11	1	97%(378/390)	92%(11/12)
		175	11	1	97%(378/391)	83%(10/12)
		2405	5	1	97%(375/388)	100%(11/11)
		713	3	1	96%(375/391)	91%(10/11)
		780	2	1	96%(369/386)	100%(10/10)
2525	98.5	1792	1	1	100%(393/395)	100%(5/5)
		202	3	9	99%(392/395)	100%(4/4)
		900	3	9	99%(392/395)	100%(4/4)
		2782	2	100	99%(127/128)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		561	2	2	99%(390/395)	100%(4/4)
		759	2	3	99%(390/395)	100%(4/4)
		2717	4	13	99%(227/230)	100%(2/2)
		2649	5	93	99%(144/146)	100%(2/2)
2526	97.2	2717	2	1	99%(117/118)	100%(1/1)
		2679s	2	92	99%(98/99)	100%(2/2)
		2907	6	1	99%(184/186)	100%(2/2)
		193	8	5	98%(277/282)	100%(4/4)
		2868	6	7	98%(277/282)	100%(3/3)
		1624	10	1	98%(276/282)	100%(3/3)
		2174	5	1	98%(276/282)	100%(4/4)
		266	8	1	98%(275/282)	75%(3/4)
		934	7	2	98%(275/282)	100%(4/4)
		1528	3	6	98%(275/282)	100%(4/4)
2528	94.2	1143	4	2	99%(194/197)	75%(3/4)
		1451	2	1	98%(385/395)	87%(13/15)
		968	3	1	96%(379/394)	69%(11/16)
		1289	3	1	96%(379/395)	85%(11/13)

Ms	MT	OMs	C	N	Overall	non-MT
2529	99.0	96	1	3	100%(82/82)	100%(1/1)
		2179	1	1	100%(121/121)	100%(1/1)
		2717	1	4	100%(56/56)	100%(1/1)
		476	1	7	100%(203/204)	100%(1/1)
		653	2	8	100%(203/204)	100%(1/1)
2530	97.0	1448	4	2	98%(387/395)	100%(7/7)
2533	96.5	1143	5	4	99%(194/197)	67%(2/3)
		2649	8	93	98%(143/146)	100%(3/3)
2535	97.4	96	1	3	100%(82/82)	100%(1/1)
		2717	1	4	100%(56/56)	100%(1/1)
		779	2	79	99%(84/85)	100%(1/1)
		545	2	1	99%(193/196)	100%(5/5)
		585	3	1	99%(193/196)	100%(5/5)
		931	2	1	99%(193/196)	100%(3/3)
		2375	2	1	98%(189/192)	100%(5/5)
		649	3	1	98%(50/51)	100%(1/1)
		660	2	4	98%(192/196)	100%(3/3)
		1641	1	1	98%(192/196)	100%(3/3)
2545	98.5	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(129/129)	100%(1/1)
		550	2	4	100%(392/394)	100%(5/5)
		2307	2	72	100%(193/194)	100%(2/2)
		2177	1	22	99%(157/158)	100%(1/1)
		573	2	121	99%(146/147)	100%(1/1)
		461	3	18	99%(391/394)	100%(4/4)
		2782	2	100	99%(127/128)	100%(2/2)
		144s	3	5	99%(390/394)	100%(4/4)
		2908	2	37	99%(89/90)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
2546	95.2	416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(195/195)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		38	8	1	98%(385/394)	90%(9/10)
		1148	4	1	98%(383/393)	92%(11/12)
		370	15	24	97%(123/127)	100%(3/3)
		1053	5	1	97%(381/395)	100%(11/11)
		1808	6	1	96%(371/385)	91%(10/11)
2549	98.5	728	7	2	99%(391/395)	80%(4/5)
		1205	9	4	99%(391/395)	75%(3/4)
		1229	1	1	99%(391/395)	100%(4/4)
		568	8	2	99%(390/395)	75%(3/4)
		1225	10	6	99%(390/395)	75%(3/4)
		1341	11	3	99%(390/395)	75%(3/4)
		2173	12	2	99%(390/395)	75%(3/4)
		2907	10	2	99%(294/298)	67%(2/3)
2550	98.5	1218	1	1	99%(392/395)	100%(5/5)
		1341	5	21	99%(391/395)	100%(4/4)
		1672	6	17	99%(391/395)	100%(4/4)



Ms	MT	OMs	C	N	Overall	non-MT
		2907	4	33	99%(295/298)	100%(2/2)
		779	2	79	99%(84/85)	100%(1/1)
		765	13	20	99%(390/395)	100%(4/4)
		777	7	16	99%(390/395)	100%(4/4)
		1083	7	18	99%(390/395)	100%(5/5)
		1295	8	20	99%(390/395)	100%(4/4)
		1347	9	17	99%(390/395)	100%(4/4)
2554	99.5	Kr				
2555	98.0	416	1	226	100%(76/76)	100%(1/1)
		2307	2	72	100%(194/195)	100%(2/2)
		7	4	1	99%(392/395)	100%(6/6)
		2679s	2	92	99%(98/99)	100%(2/2)
		2907	4	33	99%(295/298)	100%(3/3)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1218	3	5	99%(390/395)	100%(5/5)
		396	3	5	99%(389/395)	100%(5/5)
		2304	3	2	99%(389/395)	100%(7/7)
2559	99.2	Kr				
2561	91.3	no close relatives				
2562	98.2	416	1	226	100%(76/76)	100%(1/1)
		766	2	54	99%(144/145)	100%(2/2)
		53	2	3	99%(381/384)	100%(6/6)
		902	1	1	99%(381/384)	100%(7/7)
		1804	2	99	99%(121/122)	100%(2/2)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2398	2	8	99%(225/228)	100%(1/1)
		2894	5	4	99%(375/380)	100%(4/4)
		2649	5	93	99%(144/146)	100%(2/2)
2563	98.2	2782	2	100	99%(127/128)	100%(2/2)
		461	5	24	99%(391/395)	100%(4/4)
		2679s	2	92	99%(98/99)	100%(2/2)
		2725	7	33	99%(198/200)	100%(2/2)
		2908	2	37	99%(89/90)	100%(2/2)
		07	7	8	99%(390/395)	100%(4/4)
		2297	7	11	99%(390/395)	100%(4/4)
		2571	6	16	99%(390/395)	100%(4/4)
		2907	8	39	99%(294/298)	100%(3/3)
		714	8	11	99%(389/395)	100%(4/4)
2567	98.6	030	1	1	100%(209/210)	100%(3/3)
		20	2	3	99%(208/210)	100%(2/2)
		139	3	2	99%(208/210)	100%(2/2)
		278	2	1	99%(205/207)	100%(3/3)
		537	2	1	99%(207/209)	67%(2/3)
		887	4	1	99%(208/210)	100%(2/2)
		1356	1	1	99%(208/210)	100%(1/1)
		1423	3	2	99%(208/210)	100%(1/1)
		1630	1	1	99%(207/209)	100%(2/2)
		2346	4	3	99%(208/210)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
2571	98.5	573	1	23	100%(148/148)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		2307	2	72	100%(194/195)	100%(2/2)
		2724	2	1	100%(393/395)	100%(5/5)
		461	3	18	99%(392/395)	100%(4/4)
		144s	3	5	99%(391/395)	100%(4/4)
		277	1	1	99%(391/395)	100%(5/5)
		1668	3	2	99%(391/395)	100%(6/6)
		2679s	2	92	99%(98/99)	100%(2/2)
2573	97.7	862	2	1	100%(393/395)	100%(8/8)
		1707	2	1	99%(392/395)	100%(8/8)
		888	1	4	99%(248/251)	100%(2/2)
		1265	4	4	98%(388/395)	100%(7/7)
		1653	2	2	98%(388/395)	100%(5/5)
		392	4	1	98%(387/395)	100%(7/7)
		734	4	3	98%(386/394)	100%(7/7)
		820	4	2	98%(385/393)	100%(6/6)
		1302	7	7	98%(387/395)	100%(7/7)
		1684	8	7	98%(387/395)	100%(5/5)
2575	92.7	994	1	1	99%(378/382)	100%(24/24)
		138	3	1	98%(372/381)	96%(22/23)
		2684	4	1	97%(370/382)	95%(18/19)
		357	4	1	96%(368/382)	91%(20/22)
		2517	6	3	95%(124/130)	80%(8/10)
		209	12	1	95%(364/382)	95%(18/19)
		565	8	1	95%(362/380)	86%(19/22)
		884	4	1	95%(360/378)	94%(15/16)
		1582	10	1	95%(362/381)	91%(19/21)
		1784s	10	1	94%(357/382)	88%(14/16)
2584	97.5	no close relatives				
2586	98.0	573	1	23	100%(148/148)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		2451	4	5	99%(390/394)	100%(5/5)
		2649	5	93	99%(144/146)	100%(2/2)
		1240	6	1	99%(388/394)	80%(4/5)
		1555	1	1	98%(387/394)	100%(5/5)
		1624	6	5	98%(387/394)	100%(5/5)
		2499	5	1	98%(387/394)	100%(6/6)
2590	97.5	379	1	1	99%(391/395)	100%(8/8)
		1280	9	5	99%(390/395)	100%(6/6)
		305	7	1	99%(384/390)	83%(5/6)
		811	6	4	98%(388/395)	100%(6/6)
		794	2	1	98%(387/395)	83%(5/6)
		987s	5	2	98%(387/395)	100%(6/6)
		1217	5	3	98%(387/395)	100%(7/7)
		1436	4	4	98%(387/395)	100%(6/6)
		2694	6	2	98%(387/395)	100%(6/6)
		1643	4	2	98%(386/395)	100%(6/6)

Ms	MT	OMs	C	N	Overall	non-MT
2591	96.7	370	15	24	97%(123/127)	100%(3/3)
2592	98.0	573	1	23	100%(148/148)	100%(2/2)
		1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		2782	1	33	100%(127/127)	100%(2/2)
		1077	2	2	100%(390/392)	100%(7/7)
		2307	2	72	100%(193/194)	100%(1/1)
		2500	2	3	100%(392/394)	100%(7/7)
		358	3	6	99%(391/394)	100%(6/6)
		360	3	5	99%(391/394)	100%(6/6)
		1373	3	3	99%(390/394)	100%(6/6)
		2908	2	37	99%(88/89)	100%(2/2)
2598	98.5	246	2	83	100%(196/197)	100%(2/2)
		1633	2	77	100%(201/202)	100%(2/2)
		2496	4	10	99%(391/394)	100%(4/4)
		1119	5	14	99%(274/277)	100%(3/3)
2603	97.2	2649	2	17	99%(145/146)	100%(3/3)
		449	4	1	99%(392/395)	89%(8/9)
		1083	4	10	99%(391/395)	100%(8/8)
		1037	6	3	99%(390/395)	100%(7/7)
		766	4	162	99%(143/145)	100%(2/2)
		2304	5	1	98%(388/395)	100%(8/8)
		165	5	4	98%(377/385)	100%(6/6)
		1511	3	2	98%(386/395)	100%(6/6)
		494	5	1	98%(385/395)	100%(8/8)
		993	6	10	97%(382/392)	100%(6/6)
2604	99.2	416	1	226	100%(76/76)	100%(1/1)
		843	1	4	100%(395/395)	100%(3/3)
		1473	1	4	100%(395/395)	100%(3/3)
		2316	1	89	100%(130/130)	100%(1/1)
		896	2	3	100%(394/395)	100%(3/3)
		1167	2	3	100%(394/395)	100%(3/3)
		143	3	8	100%(393/395)	100%(2/2)
		496	1	3	100%(389/391)	100%(2/2)
		951	1	3	100%(393/395)	100%(2/2)
		1570	2	3	100%(393/395)	100%(3/3)
		573	2	121	99%(147/148)	100%(1/1)
2605	95.7	1804	7	160	98%(120/122)	100%(2/2)
		1215	4	2	98%(387/395)	100%(12/12)
		2283	10	5	98%(387/395)	100%(10/10)
		2897	7	2	98%(387/395)	100%(11/11)
		54	4	1	97%(384/395)	100%(10/10)
		1498	6	1	97%(384/395)	90%(9/10)
		46	11	1	97%(382/394)	100%(9/9)
2606	97.0	416	1	226	100%(76/76)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		1804	7	160	98%(120/122)	100%(2/2)
2608	96.2	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		2649	6	3	99%(144/146)	75%(3/4)

Ms	MT	OMs	C	N	Overall	non-MT
		370	8	42	98%(124/127)	100%(3/3)
2611	96.5	1531	2	3	99%(391/395)	100%(12/12)
		1788	4	1	99%(385/391)	100%(9/9)
		2387	3	4	98%(388/395)	100%(9/9)
		86	5	1	98%(387/395)	100%(10/10)
		2291	4	1	98%(387/395)	100%(12/12)
		569	5	2	98%(386/395)	100%(10/10)
		1170	6	2	98%(386/395)	100%(9/9)
		1966	6	1	97%(381/392)	88%(7/8)
		1413	7	1	97%(382/395)	100%(8/8)
		1458	7	1	97%(382/395)	100%(8/8)
2612	96.2	2679s	8	83	98%(97/99)	100%(2/2)
2613	97.2	776	3	1	99%(388/394)	89%(8/9)
		2394	3	1	99%(389/395)	100%(8/8)
		1455	3	1	98%(388/395)	100%(9/9)
		2908	6	47	98%(88/90)	100%(2/2)
		1365	5	1	98%(385/395)	100%(8/8)
2615	96.5	1223	7	1	98%(386/394)	100%(8/8)
2616	98.0	416	1	226	100%(76/76)	100%(1/1)
		711	2	25	100%(219/220)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
		1804	2	99	99%(121/122)	100%(2/2)
		2173	5	25	99%(390/394)	100%(5/5)
		748	2	29	99%(179/181)	100%(2/2)
		2414	4	16	99%(265/268)	100%(3/3)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2649	5	93	99%(144/146)	100%(2/2)
2620	96.2	2908	6	47	98%(88/90)	100%(2/2)
		370	8	42	98%(124/127)	100%(3/3)
		1050	3	1	97%(383/395)	78%(7/9)
		1446	3	1	97%(382/395)	100%(10/10)
2621	99.0	204	2	66	100%(393/394)	100%(3/3)
		2636	2	67	100%(374/375)	100%(2/2)
		246	2	83	100%(197/198)	100%(2/2)
		1030	4	74	100%(392/394)	100%(2/2)
		1145	3	66	100%(371/373)	100%(2/2)
		1633	2	77	100%(201/202)	100%(2/2)
		696	5	4	99%(391/394)	100%(2/2)
		1461	5	4	99%(391/394)	100%(2/2)
		1656	5	6	99%(391/394)	100%(2/2)
2622	98.0	506	2	1	99%(389/393)	100%(5/5)
		276	2	2	99%(390/395)	100%(6/6)
		657	3	2	98%(289/294)	100%(4/4)
		2687	3	1	98%(387/394)	100%(6/6)
2623	96.5	331	1	1	100%(393/395)	100%(13/13)
		030	2	1	98%(387/395)	89%(8/9)
		731s	1	10	98%(44/45)	100%(1/1)
		1448	7	1	98%(386/395)	88%(7/8)
		127	10	1	98%(385/395)	88%(7/8)

Ms	MT	OMs	C	N	Overall	non-MT
		443	13	1	97%(384/395)	88%(7/8)
		157	3	1	97%(383/395)	89%(8/9)
		159	10	1	97%(382/394)	88%(7/8)
		175	9	3	97%(383/395)	100%(9/9)
		1676	10	3	97%(382/394)	100%(9/9)
2624	97.2	416	1	226	100%(76/76)	100%(1/1)
		1804	1	15	100%(122/122)	100%(3/3)
		179	2	23	100%(248/249)	100%(3/3)
		771	2	82	100%(207/208)	100%(2/2)
		1026	3	2	99%(392/395)	100%(10/10)
		270	2	1	99%(390/395)	91%(10/11)
		766	4	162	99%(143/145)	100%(2/2)
		2280	4	3	99%(389/395)	100%(8/8)
		017	3	2	98%(388/395)	86%(6/7)
		700	2	2	98%(385/395)	75%(6/8)
2632	99.3	Kr				
2633	98.2	416	1	226	100%(76/76)	100%(1/1)
		1804	2	99	99%(121/122)	100%(2/2)
		2637	5	11	99%(391/395)	100%(5/5)
		2679s	2	92	99%(98/99)	100%(3/3)
		1225	8	9	99%(390/395)	100%(4/4)
		2136	5	6	99%(390/395)	100%(4/4)
		2137	5	6	99%(390/395)	100%(4/4)
		1073	10	25	99%(389/395)	100%(4/4)
		1226	10	3	99%(389/395)	100%(4/4)
		2442	10	14	99%(338/343)	100%(4/4)
2634	97.6	60	1	2	100%(83/83)	100%(2/2)
		140	1	2	100%(83/83)	100%(2/2)
		144s	1	3	100%(83/83)	100%(2/2)
		148	1	2	100%(83/83)	100%(2/2)
		162	1	2	100%(83/83)	100%(2/2)
		185	1	2	100%(83/83)	100%(2/2)
		259	1	2	100%(83/83)	100%(2/2)
		274	1	5	100%(83/83)	100%(2/2)
		295	1	2	100%(82/82)	100%(2/2)
		329	1	3	100%(83/83)	100%(2/2)
		358	1	3	100%(83/83)	100%(2/2)
		360	1	4	100%(83/83)	100%(2/2)
		422	1	2	100%(83/83)	100%(2/2)
		493	1	2	100%(83/83)	100%(2/2)
		495	1	2	100%(83/83)	100%(2/2)
		538	1	2	100%(83/83)	100%(2/2)
		548	1	2	100%(83/83)	100%(2/2)
		573	1	23	100%(83/83)	100%(2/2)
		577	1	1	100%(83/83)	100%(2/2)
		592	1	3	100%(83/83)	100%(2/2)
		655	1	3	100%(83/83)	100%(2/2)
		683	1	1	100%(83/83)	100%(2/2)
		750	1	3	100%(83/83)	100%(2/2)
		795	1	2	100%(83/83)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		809	1	2	100%(83/83)	100%(2/2)
		877	1	5	100%(82/82)	100%(1/1)
		925	1	2	100%(83/83)	100%(2/2)
		952	1	4	100%(83/83)	100%(2/2)
		1077	1	4	100%(83/83)	100%(2/2)
		1090	1	3	100%(83/83)	100%(2/2)
		1214	1	2	100%(83/83)	100%(2/2)
		1222	1	2	100%(83/83)	100%(2/2)
		1343	1	54	100%(83/83)	100%(2/2)
		1373	1	3	100%(83/83)	100%(2/2)
		1393	1	2	100%(83/83)	100%(2/2)
		1425	1	3	100%(83/83)	100%(2/2)
		1454	1	2	100%(83/83)	100%(2/2)
		1474	1	3	100%(83/83)	100%(2/2)
		1485	1	2	100%(83/83)	100%(2/2)
		1495	1	2	100%(83/83)	100%(2/2)
		1539	1	2	100%(83/83)	100%(2/2)
		1624	1	1	100%(83/83)	100%(2/2)
		1647	1	3	100%(83/83)	100%(2/2)
		1685	1	2	100%(83/83)	100%(2/2)
		1703	1	5	100%(83/83)	100%(2/2)
		2121	1	3	100%(78/78)	100%(2/2)
		2139	1	2	100%(83/83)	100%(2/2)
		2247	1	2	100%(83/83)	100%(2/2)
		2307	1	35	100%(79/79)	100%(1/1)
		2458	1	2	100%(83/83)	100%(2/2)
		2474	1	2	100%(83/83)	100%(2/2)
		2500	1	3	100%(83/83)	100%(2/2)
		2571	1	3	100%(83/83)	100%(2/2)
		2586	1	3	100%(83/83)	100%(2/2)
		2592	1	4	100%(83/83)	100%(2/2)
		2724	1	2	100%(83/83)	100%(2/2)
		2779	1	3	100%(49/49)	100%(1/1)
		021	3	2	99%(82/83)	100%(1/1)
		047	3	2	99%(82/83)	100%(1/1)
		10	3	2	99%(82/83)	100%(1/1)
		12	3	2	99%(82/83)	100%(1/1)
		24	2	2	99%(82/83)	100%(2/2)
		28	1	2	99%(82/83)	100%(2/2)
		31	1	2	99%(82/83)	100%(2/2)
		32	3	2	99%(82/83)	100%(2/2)
		36	1	1	99%(82/83)	100%(2/2)
		80	1	2	99%(82/83)	100%(2/2)
		108	1	2	99%(82/83)	100%(2/2)
		109	3	2	99%(82/83)	100%(1/1)
		137	3	2	99%(82/83)	100%(1/1)
		145	3	3	99%(82/83)	100%(1/1)
		156	1	2	99%(82/83)	100%(2/2)
		186	1	2	99%(82/83)	100%(2/2)
		188	3	2	99%(82/83)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		193	2	3	99%(82/83)	100%(1/1)
		211	3	2	99%(82/83)	100%(1/1)
		217	3	2	99%(82/83)	100%(2/2)
		277	2	2	99%(82/83)	100%(2/2)
		297	2	2	99%(82/83)	100%(1/1)
		350	2	3	99%(82/83)	100%(2/2)
		406	2	2	99%(82/83)	100%(1/1)
		412	1	2	99%(82/83)	100%(1/1)
		413	1	2	99%(82/83)	100%(2/2)
		419	2	2	99%(82/83)	100%(1/1)
		440	1	2	99%(82/83)	100%(2/2)
		473	1	3	99%(82/83)	100%(2/2)
		515	2	2	99%(82/83)	100%(1/1)
		519	1	2	99%(82/83)	100%(2/2)
		537	3	2	99%(81/82)	100%(1/1)
		657	1	2	99%(82/83)	100%(1/1)
		690	2	2	99%(82/83)	100%(1/1)
		695	1	2	99%(82/83)	100%(1/1)
		715	1	2	99%(82/83)	100%(2/2)
		718	3	2	99%(82/83)	100%(1/1)
		745	2	2	99%(82/83)	100%(1/1)
		752	1	2	99%(82/83)	100%(2/2)
		761	3	2	99%(82/83)	100%(1/1)
		762	2	2	99%(82/83)	100%(1/1)
		766	3	2	99%(82/83)	100%(1/1)
		801	1	2	99%(82/83)	100%(1/1)
		811	1	2	99%(82/83)	100%(1/1)
		851	2	2	99%(82/83)	100%(2/2)
		906	3	2	99%(82/83)	100%(1/1)
		934	2	1	99%(82/83)	100%(1/1)
		1091	2	2	99%(82/83)	100%(1/1)
		1096	2	2	99%(82/83)	100%(1/1)
		1110	3	2	99%(82/83)	100%(1/1)
		1186	3	2	99%(82/83)	100%(1/1)
		1192	2	2	99%(82/83)	100%(1/1)
		1194	2	2	99%(82/83)	100%(1/1)
		1196	2	2	99%(82/83)	100%(1/1)
		1202	1	2	99%(82/83)	100%(1/1)
		1211	2	3	99%(82/83)	100%(2/2)
		1233	3	2	99%(82/83)	100%(2/2)
		1269	1	2	99%(82/83)	100%(2/2)
		1288	1	2	99%(82/83)	100%(2/2)
		1297	2	2	99%(82/83)	100%(1/1)
		1299	1	3	99%(82/83)	100%(2/2)
		1301	1	2	99%(82/83)	100%(2/2)
		1310	3	2	99%(82/83)	100%(1/1)
		1312	1	2	99%(82/83)	100%(1/1)
		1396	2	2	99%(82/83)	100%(1/1)
		1410	3	2	99%(82/83)	100%(1/1)
		1432	1	2	99%(82/83)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		1449	2	1	99%(82/83)	100%(1/1)
		1465	2	2	99%(82/83)	100%(1/1)
		1478s	3	2	99%(82/83)	100%(1/1)
		1505	1	2	99%(82/83)	100%(1/1)
		1509	2	2	99%(82/83)	100%(1/1)
		1535	1	2	99%(82/83)	100%(2/2)
		1557	2	2	99%(82/83)	100%(1/1)
		1567	1	2	99%(81/82)	100%(2/2)
		1595	2	2	99%(82/83)	100%(2/2)
		1623	2	2	99%(82/83)	100%(1/1)
		1648	2	2	99%(82/83)	100%(1/1)
		1660	3	2	99%(82/83)	100%(1/1)
		1666	1	2	99%(82/83)	100%(1/1)
		1673	2	3	99%(82/83)	100%(1/1)
		1692	2	2	99%(82/83)	100%(1/1)
		1699	1	2	99%(82/83)	100%(1/1)
		1788	1	2	99%(81/82)	100%(2/2)
		2107	3	2	99%(82/83)	100%(1/1)
		2127	2	2	99%(82/83)	100%(2/2)
		2280	1	2	99%(82/83)	100%(1/1)
		2283	3	3	99%(82/83)	100%(1/1)
		2314	1	2	99%(82/83)	100%(2/2)
		2406	1	2	99%(82/83)	100%(2/2)
		2465	3	2	99%(82/83)	100%(1/1)
		2499	2	2	99%(82/83)	100%(2/2)
		2525	3	2	99%(82/83)	100%(1/1)
		2546	2	2	99%(82/83)	100%(1/1)
		2606	2	1	99%(82/83)	100%(1/1)
		2608	1	2	99%(82/83)	100%(2/2)
		2658	2	2	99%(82/83)	100%(1/1)
		2673	1	2	99%(82/83)	100%(1/1)
		2711	1	2	99%(82/83)	100%(2/2)
		2721	3	3	99%(82/83)	100%(1/1)
		2812	2	2	99%(82/83)	100%(2/2)
		2863	3	2	99%(82/83)	100%(1/1)
		2868	2	3	99%(82/83)	100%(2/2)
		280	3	2	99%(77/78)	100%(1/1)
		904	3	1	99%(73/74)	100%(1/1)
		500	3	7	99%(67/68)	100%(1/1)
		27s	3	2	98%(58/59)	100%(1/1)
2635	99.2	Kr				
2636	99.5	Kr				
2637	98.2	416	1	226	100%(76/76)	100%(1/1)
		1804	1	15	100%(122/122)	100%(3/3)
		2679s	1	22	100%(99/99)	100%(3/3)
		771	2	82	100%(207/208)	100%(2/2)
		1163	3	7	99%(392/395)	100%(5/5)
		1300	3	17	99%(392/395)	100%(4/4)
		2136	3	5	99%(392/395)	100%(5/5)
		2137	3	5	99%(392/395)	100%(5/5)



Ms	MT	OMs	C	N	Overall	non-MT
		1434	2	1	99%(391/395)	100%(7/7)
		2633	3	2	99%(391/395)	100%(5/5)
		1012	3	1	99%(389/395)	100%(5/5)
2641	98.7	367	1	11	100%(393/395)	100%(3/3)
		390	2	10	100%(393/395)	100%(4/4)
		771	2	82	100%(207/208)	100%(1/1)
		1290	2	5	100%(393/395)	100%(4/4)
		2099	1	15	100%(393/395)	100%(3/3)
		484	3	6	99%(392/395)	100%(4/4)
		502	2	1	99%(392/395)	80%(4/5)
		2266	3	8	99%(392/395)	100%(4/4)
		89	3	6	99%(391/395)	100%(4/4)
		1318	3	5	99%(391/395)	100%(3/3)
		1635	3	5	99%(391/395)	100%(3/3)
		1639	3	1	99%(391/395)	75%(3/4)
		1131	3	4	99%(280/283)	100%(2/2)
		2467	3	3	99%(279/282)	100%(2/2)
2643	92.9	792	2	1	93%(335/359)	77%(13/17)
2645	98.2	771	2	82	100%(207/208)	100%(2/2)
		484	3	6	99%(392/395)	100%(5/5)
		390	7	5	99%(391/395)	100%(4/4)
		483	5	8	99%(391/395)	100%(5/5)
		1198	5	6	99%(388/392)	100%(5/5)
		74	6	5	99%(389/394)	100%(5/5)
		666s	6	2	99%(390/395)	100%(5/5)
		89	7	2	99%(389/395)	100%(4/4)
		2315	5	1	99%(389/395)	60%(3/5)
		2765	7	6	99%(389/395)	100%(4/4)
2649	97.3	1597	1	1	100%(146/146)	100%(4/4)
		2779	1	3	100%(112/112)	100%(2/2)
		52	2	1	99%(145/146)	100%(4/4)
		140	3	2	99%(145/146)	100%(3/3)
		148	2	2	99%(145/146)	100%(3/3)
		185	2	2	99%(145/146)	100%(3/3)
		259	2	2	99%(145/146)	100%(3/3)
		344s	1	1	99%(145/146)	100%(3/3)
		350	1	2	99%(145/146)	100%(3/3)
		548	2	2	99%(145/146)	100%(3/3)
		1090	2	2	99%(145/146)	100%(3/3)
		1211	1	2	99%(145/146)	100%(3/3)
		1393	2	2	99%(145/146)	100%(3/3)
		2139	2	2	99%(145/146)	100%(3/3)
		2474	3	2	99%(145/146)	100%(3/3)
		2500	3	2	99%(145/146)	100%(3/3)
		2603	1	1	99%(145/146)	100%(3/3)
		770	1	1	99%(130/131)	100%(3/3)
		904	1	3	99%(83/84)	100%(1/1)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		28	2	1	99%(143/145)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		156	2	1	99%(144/146)	100%(3/3)
		295	2	1	99%(143/145)	100%(3/3)
		393	1	1	99%(144/146)	67%(2/3)
		413	3	1	99%(144/146)	100%(3/3)
		422	2	1	99%(144/146)	100%(3/3)
		492	1	1	99%(144/146)	75%(3/4)
		538	2	1	99%(144/146)	100%(3/3)
		801	3	1	99%(144/146)	100%(2/2)
		809	2	1	99%(144/146)	100%(3/3)
		811	3	1	99%(144/146)	100%(2/2)
		851	3	1	99%(144/146)	100%(3/3)
		902	3	1	99%(144/146)	100%(3/3)
		1096	3	1	99%(144/146)	100%(2/2)
		1312	2	1	99%(144/146)	100%(2/2)
		1432	2	1	99%(144/146)	100%(3/3)
		1465	3	1	99%(144/146)	100%(2/2)
		1479	1	1	99%(144/146)	75%(3/4)
		1535	3	1	99%(144/146)	100%(3/3)
		1788	3	1	99%(143/145)	100%(3/3)
		2121	3	1	99%(139/141)	100%(2/2)
		2127	3	1	99%(144/146)	100%(3/3)
		2247	3	1	99%(144/146)	100%(3/3)
		2280	3	1	99%(144/146)	100%(2/2)
		2314	2	1	99%(144/146)	100%(3/3)
		2586	3	1	99%(144/146)	100%(2/2)
		2608	2	1	99%(144/146)	75%(3/4)
		2673	2	1	99%(144/146)	100%(2/2)
		71	2	1	98%(143/146)	100%(3/3)
		80	2	1	98%(143/146)	67%(2/3)
		162	3	1	98%(143/146)	100%(3/3)
		287	1	1	98%(143/146)	100%(2/2)
		405	1	1	98%(143/146)	75%(3/4)
		412	2	1	98%(143/146)	100%(2/2)
		494	2	1	98%(143/146)	75%(3/4)
		663	3	1	98%(143/146)	100%(2/2)
		686	3	1	98%(143/146)	100%(2/2)
		715	3	1	98%(143/146)	100%(3/3)
		976	2	1	98%(140/143)	67%(2/3)
		1196	3	1	98%(143/146)	100%(1/1)
		1403	2	1	98%(143/146)	67%(2/3)
		1567	2	1	98%(142/145)	67%(2/3)
		1692	3	1	98%(143/146)	100%(1/1)
		2159	2	1	98%(143/146)	100%(2/2)
		2406	2	1	98%(143/146)	100%(3/3)
		2483	2	1	98%(143/146)	100%(2/2)
		2533	2	1	98%(143/146)	100%(3/3)
		2660	1	1	98%(143/146)	100%(3/3)
		2691	2	1	98%(143/146)	67%(2/3)
		2900	2	1	98%(142/145)	67%(2/3)
2650	99.0	75	3	3	100%(203/204)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
		877	3	7	100%(202/203)	100%(1/1)
		1539	2	2	100%(203/204)	100%(1/1)
2653	98.5	no close relatives				
2656	97.2	246	2	83	100%(196/197)	100%(2/2)
		76	4	1	98%(387/394)	75%(6/8)
		2118	5	1	98%(386/394)	75%(6/8)
		2399	10	5	98%(236/241)	100%(3/3)
2658	96.5	416	1	226	100%(76/76)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		2649	8	93	98%(143/146)	100%(2/2)
		2813	12	3	98%(363/372)	100%(7/7)
		519	3	2	97%(383/395)	89%(8/9)
		1294	3	1	97%(383/395)	60%(6/10)
2660	96.2	2649	8	93	98%(143/146)	100%(3/3)
		2908	6	47	98%(88/90)	100%(2/2)
		370	11	11	98%(124/127)	67%(2/3)
		934	7	2	98%(385/395)	100%(8/8)
		519	6	2	97%(381/395)	78%(7/9)
2661	95.4	1666	2	1	98%(386/395)	100%(12/12)
		1220	2	1	97%(382/395)	82%(9/11)
		1342	2	1	97%(381/395)	91%(10/11)
		087	1	5	96%(50/52)	100%(3/3)
2665	99.2	771	2	82	100%(207/208)	100%(1/1)
		1472	2	2	100%(393/395)	100%(3/3)
2666	99.2	416	1	226	100%(76/76)	100%(1/1)
		549	2	1	100%(394/395)	100%(3/3)
		179	2	23	100%(248/249)	100%(2/2)
		105	1	8	100%(393/395)	100%(2/2)
		143	3	8	100%(393/395)	100%(2/2)
		564	2	3	100%(393/395)	100%(2/2)
		711	2	25	100%(220/221)	100%(2/2)
		1322	2	2	100%(393/395)	100%(2/2)
		2389	2	14	100%(387/389)	100%(2/2)
		2458	2	1	100%(393/395)	100%(3/3)
		2472	1	4	100%(393/395)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
2670	98.0	1558	1	1	99%(352/356)	100%(5/5)
		766	4	162	99%(143/145)	100%(1/1)
		1804	7	160	98%(120/122)	100%(1/1)
2673	98.0	1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		2649	5	93	99%(144/146)	100%(2/2)
		600	7	1	98%(380/386)	80%(4/5)
		1019	15	3	98%(388/395)	80%(4/5)
		1592	13	4	98%(388/395)	80%(4/5)
2676	96.6	993	12	1	97%(196/202)	67%(2/3)
2679	97.0	34	7	1	99%(292/296)	100%(6/6)

Ms	MT	OMs	C	N	Overall	non-MT
		2779	13	1	98%(170/173)	100%(2/2)
		904	6	1	98%(107/109)	100%(1/1)
		370	12	3	97%(38/39)	100%(1/1)
		743	2	1	97%(285/293)	100%(6/6)
		1017	9	1	97%(288/296)	75%(3/4)
2679s	97.0	289	1	1	100%(99/99)	100%(3/3)
		930	1	1	100%(38/38)	100%(1/1)
		956	1	4	100%(99/99)	100%(3/3)
		1005	1	1	100%(99/99)	100%(3/3)
		1054s	1	1	100%(99/99)	100%(3/3)
		1200s	1	1	100%(99/99)	100%(3/3)
		1303	1	1	100%(99/99)	100%(3/3)
		1387	1	1	100%(99/99)	100%(3/3)
		1387s	1	1	100%(99/99)	100%(3/3)
		1434	1	1	100%(99/99)	100%(3/3)
		1560	1	2	100%(11/11)	100%(1/1)
		1622s	1	1	100%(99/99)	100%(3/3)
		1629	1	1	100%(99/99)	100%(3/3)
		1640	1	4	100%(99/99)	100%(3/3)
		2107	1	1	100%(99/99)	100%(3/3)
		2136	1	3	100%(99/99)	100%(3/3)
		2137	1	3	100%(99/99)	100%(3/3)
		2282s	1	4	100%(99/99)	100%(3/3)
		2497	1	1	100%(99/99)	100%(3/3)
		2637	1	3	100%(99/99)	100%(3/3)
		2717	1	4	100%(56/56)	100%(1/1)
		2758s	1	1	100%(99/99)	100%(3/3)
		039	1	2	99%(98/99)	100%(2/2)
		20	2	3	99%(98/99)	100%(2/2)
		22	2	2	99%(98/99)	100%(2/2)
		87	1	1	99%(98/99)	100%(2/2)
		109	2	1	99%(98/99)	100%(2/2)
		117	1	2	99%(98/99)	100%(2/2)
		134	2	2	99%(98/99)	100%(2/2)
		142	2	1	99%(98/99)	100%(2/2)
		148	3	3	99%(98/99)	100%(2/2)
		188	2	1	99%(98/99)	100%(2/2)
		207	2	2	99%(98/99)	100%(2/2)
		296	3	1	99%(98/99)	100%(3/3)
		297	1	1	99%(98/99)	100%(2/2)
		306	1	1	99%(98/99)	100%(2/2)
		343	1	1	99%(98/99)	100%(2/2)
		396	1	4	99%(98/99)	100%(2/2)
		495	3	1	99%(98/99)	100%(2/2)
		505	2	2	99%(98/99)	100%(2/2)
		530	1	1	99%(98/99)	100%(2/2)
		584	1	3	99%(98/99)	100%(2/2)
		761	1	1	99%(98/99)	100%(2/2)
		783	1	2	99%(98/99)	100%(2/2)
		796	2	2	99%(98/99)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		854	3	2	99%(98/99)	100%(2/2)
		937	3	1	99%(98/99)	100%(2/2)
		963	3	5	99%(98/99)	100%(3/3)
		988	1	1	99%(98/99)	100%(2/2)
		998	1	1	99%(98/99)	100%(2/2)
		1063	3	6	99%(98/99)	100%(2/2)
		1187	1	1	99%(98/99)	100%(2/2)
		1210	2	1	99%(98/99)	100%(2/2)
		1213	2	1	99%(98/99)	100%(2/2)
		1215	1	2	99%(98/99)	100%(2/2)
		1218	2	3	99%(98/99)	100%(2/2)
		1239	1	1	99%(98/99)	100%(3/3)
		1325	1	1	99%(98/99)	100%(3/3)
		1391	2	3	99%(98/99)	100%(2/2)
		1415	1	1	99%(98/99)	100%(2/2)
		1532	1	1	99%(98/99)	100%(2/2)
		1595	1	1	99%(98/99)	100%(2/2)
		1602	1	1	99%(98/99)	100%(2/2)
		1644	2	1	99%(98/99)	100%(3/3)
		1668	3	2	99%(98/99)	100%(2/2)
		1684	1	1	99%(98/99)	100%(2/2)
		1707	3	1	99%(98/99)	100%(2/2)
		1790	3	5	99%(98/99)	100%(2/2)
		2192	1	1	99%(95/96)	100%(3/3)
		2281	1	1	99%(98/99)	100%(2/2)
		2304	1	1	99%(98/99)	100%(2/2)
		2386	3	5	99%(98/99)	100%(2/2)
		2465	2	1	99%(98/99)	100%(2/2)
		2526	2	1	99%(98/99)	100%(2/2)
		2563	2	3	99%(98/99)	100%(2/2)
		2633	3	2	99%(98/99)	100%(3/3)
		2709	2	1	99%(98/99)	67%(2/3)
		2737	2	3	99%(98/99)	100%(3/3)
		2894	2	1	99%(95/96)	100%(2/2)
		949	1	1	99%(86/87)	100%(3/3)
		2422	1	1	99%(94/95)	100%(3/3)
		96	3	2	99%(81/82)	100%(1/1)
		2813	3	1	99%(75/76)	100%(2/2)
		472	1	1	98%(53/54)	100%(3/3)
		293	3	1	98%(97/99)	100%(2/2)
		428	1	1	98%(96/98)	100%(2/2)
		473	3	2	98%(97/99)	100%(1/1)
		494	1	1	98%(97/99)	100%(1/1)
		519	2	2	98%(97/99)	100%(2/2)
		520	3	1	98%(97/99)	100%(1/1)
		562	3	1	98%(97/99)	100%(2/2)
		660	2	4	98%(97/99)	100%(1/1)
		697	3	2	98%(97/99)	100%(2/2)
		720	2	1	98%(97/99)	100%(1/1)
		723	2	1	98%(97/99)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		903	2	1	98%(97/99)	100%(1/1)
		931	3	1	98%(97/99)	100%(1/1)
		1074	2	1	98%(97/99)	100%(2/2)
		1166	2	1	98%(97/99)	100%(2/2)
		1243	1	1	98%(97/99)	100%(2/2)
		1336	3	1	98%(97/99)	100%(2/2)
		1424	1	1	98%(97/99)	100%(2/2)
		1528	2	1	98%(97/99)	100%(2/2)
		1573	2	1	98%(97/99)	100%(2/2)
		1580	3	2	98%(97/99)	100%(1/1)
		1677	2	1	98%(97/99)	100%(1/1)
		1802	1	3	98%(97/99)	100%(3/3)
		2612	1	1	98%(97/99)	100%(2/2)
		2775s	1	1	98%(96/98)	100%(2/2)
2680	93.2	087	3	6	94%(49/52)	100%(3/3)
2684	94.2	994	3	1	98%(387/395)	95%(20/21)
		138	4	1	98%(384/394)	100%(21/21)
		357	2	1	97%(384/395)	96%(21/22)
		2575	3	1	97%(370/382)	95%(18/19)
		2517	4	1	96%(125/130)	78%(7/9)
		209	8	2	96%(379/395)	100%(18/18)
		884	3	1	96%(375/391)	100%(15/15)
		565	6	1	96%(376/393)	86%(18/21)
		1582	8	1	95%(376/394)	95%(19/20)
		2702	6	2	94%(373/395)	86%(12/14)
2685	97.5	265	2	1	99%(392/395)	100%(9/9)
		1223	3	2	99%(390/394)	100%(8/8)
		268	9	1	99%(389/395)	100%(8/8)
		980	9	4	99%(389/395)	100%(6/6)
		1804	7	160	98%(120/122)	100%(1/1)
		585	5	4	98%(388/395)	100%(7/7)
		787	8	2	98%(388/395)	100%(8/8)
		2193	7	5	98%(388/395)	100%(7/7)
		545	4	2	98%(387/395)	100%(7/7)
		2703	4	1	98%(387/395)	88%(7/8)
2686	97.7	416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		546	1	5	99%(222/225)	100%(1/1)
		766	4	162	99%(143/145)	100%(1/1)
		1143	3	21	99%(194/197)	100%(1/1)
		1144	3	1	98%(387/395)	71%(5/7)
2687	97.2	506	3	2	99%(387/392)	100%(6/6)
		276	3	2	99%(388/394)	100%(7/7)
		2622	4	1	98%(387/394)	100%(6/6)
		274s	2	1	98%(145/148)	100%(4/4)
		718	4	1	98%(385/394)	100%(6/6)

Ms	MT	OMs	C	N	Overall	non-MT
		370	11	11	98%(124/127)	67%(2/3)
		657	9	2	98%(286/293)	80%(4/5)
		1643	6	1	98%(384/394)	100%(6/6)
2689	98.5	689	1	4	100%(394/395)	100%(5/5)
		1508	2	3	100%(394/395)	100%(5/5)
		246	2	83	100%(197/198)	100%(2/2)
		1462	3	7	100%(393/395)	100%(4/4)
		1584	3	6	100%(393/395)	100%(4/4)
		1614	1	1	100%(393/395)	100%(6/6)
		1633	2	77	100%(202/203)	100%(2/2)
		1634	3	7	100%(393/395)	100%(4/4)
		2399	2	1	99%(240/242)	100%(4/4)
		1131	3	4	99%(280/283)	100%(3/3)
2691	97.5	1804	8	2	98%(120/122)	67%(2/3)
		2649	10	9	98%(143/146)	67%(2/3)
2692	99.5	Kr				
2693s	97.9	2732	4	4	99%(373/376)	100%(6/6)
		783	3	1	99%(372/376)	86%(6/7)
		2679s	5	3	99%(79/80)	100%(2/2)
		210	6	5	99%(371/376)	100%(4/4)
		901	2	2	99%(371/376)	100%(7/7)
		2245	8	1	99%(371/376)	83%(5/6)
		766	4	162	99%(143/145)	100%(2/2)
		9	8	2	98%(370/376)	100%(4/4)
		1804	7	160	98%(120/122)	100%(2/2)
		2813	8	2	98%(365/372)	83%(5/6)
2694	97.5	1019	2	2	100%(393/395)	100%(8/8)
		987s	2	2	99%(391/395)	100%(8/8)
		1643	1	1	99%(391/395)	89%(8/9)
		2301	5	3	99%(391/395)	100%(6/6)
		1280	13	1	99%(389/395)	83%(5/6)
		121	8	2	98%(388/395)	83%(5/6)
		379	7	4	98%(387/395)	100%(6/6)
		2590	6	4	98%(387/395)	100%(6/6)
		370	11	11	98%(124/127)	67%(2/3)
		657	12	1	98%(287/294)	60%(3/5)
2695	98.2	2782	2	100	99%(127/128)	100%(1/1)
		77	3	3	99%(391/395)	100%(5/5)
		2458	5	3	99%(391/395)	100%(4/4)
		190	7	7	99%(390/395)	100%(4/4)
		2649	5	93	99%(144/146)	100%(3/3)
		1191	10	4	99%(389/395)	100%(4/4)
2701	99.5	1320	1	1	100%(395/395)	100%(2/2)
2702	93.7	1582	7	1	96%(377/394)	91%(20/22)
		1	7	1	95%(377/395)	91%(20/22)
		565	9	1	95%(372/393)	85%(17/20)
		994	11	1	95%(374/395)	88%(14/16)
		884	7	1	94%(369/391)	86%(12/14)
		2684	10	1	94%(373/395)	86%(12/14)
		138	12	1	94%(371/394)	88%(14/16)

Ms	MT	OMs	C	N	Overall	non-MT
		2886	8	1	94%(371/394)	78%(14/18)
		2713	10	1	94%(371/395)	77%(13/17)
		2517	11	1	94%(122/130)	71%(5/7)
2703	96.7	771	2	82	100%(207/208)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		1094	12	4	98%(387/395)	100%(8/8)
		2685	7	1	98%(387/395)	88%(7/8)
		292	10	6	98%(381/389)	100%(9/9)
		395	12	2	98%(386/395)	75%(6/8)
		1007	9	2	98%(386/395)	100%(9/9)
		113	11	5	98%(384/394)	100%(7/7)
		545	8	1	98%(385/395)	88%(7/8)
		330	11	1	97%(382/394)	100%(7/7)
2705	96.4	1626	1	1	99%(388/394)	100%(11/11)
		1458	6	1	97%(382/394)	70%(7/10)
		71	11	1	97%(381/394)	67%(6/9)
		86	11	1	97%(381/394)	67%(6/9)
		1531	8	1	97%(381/394)	67%(6/9)
2706	99.2	Kr				
2707	97.7	no close relatives				
2708	95.9	771	2	82	100%(206/207)	100%(2/2)
		1804	2	99	99%(120/121)	100%(2/2)
		724	6	5	99%(388/394)	100%(11/11)
		296	8	3	98%(386/394)	100%(11/11)
		2290s	9	1	98%(367/375)	91%(10/11)
		1303	7	1	97%(383/394)	91%(10/11)
		1802	5	1	97%(383/394)	91%(10/11)
		525	5	1	97%(382/394)	100%(11/11)
		1644	9	3	97%(382/394)	100%(9/9)
		2422	2	1	96%(375/390)	78%(7/9)
2709	97.0	2135	2	1	99%(392/395)	100%(9/9)
		2679s	3	2	99%(98/99)	67%(2/3)
		1063	4	3	99%(390/395)	100%(8/8)
		1190	7	4	98%(388/395)	100%(7/7)
		988	4	1	98%(387/395)	88%(7/8)
		1540	5	2	98%(323/330)	100%(7/7)
		1409	5	1	98%(386/395)	100%(8/8)
		351	7	1	98%(385/395)	100%(7/7)
		786	12	1	98%(385/395)	100%(7/7)
2710	97.5	no close relatives				
2711	96.5	1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
2713	92.7	1784s	1	1	99%(389/395)	93%(25/27)
		209	1	1	97%(383/395)	92%(22/24)
		475s	5	2	96%(42/44)	100%(2/2)
		205	3	1	95%(375/394)	87%(20/23)
		2886	3	1	95%(375/394)	86%(18/21)
		1	10	1	95%(375/395)	91%(21/23)
		1582	13	1	95%(373/394)	91%(20/22)
		2702	9	1	94%(371/395)	77%(13/17)



Ms	MT	OMs	C	N	Overall	non-MT
		357	12	1	93%(367/395)	88%(15/17)
		2575	13	1	93%(355/382)	87%(13/15)
2714	98.7	1712	1	129	100%(191/191)	100%(1/1)
		1680	2	3	100%(393/395)	100%(4/4)
		1421	4	5	99%(345/348)	100%(2/2)
2715	97.7	1560	4	29	99%(304/306)	100%(3/3)
		731s	1	10	98%(44/45)	100%(1/1)
2717	98.3	2529	1	3	100%(56/56)	100%(1/1)
		2535	1	2	100%(56/56)	100%(1/1)
		2679s	1	22	100%(56/56)	100%(1/1)
		2782	1	33	100%(30/30)	100%(1/1)
		2526	1	1	99%(117/118)	100%(1/1)
		1668	2	1	99%(228/230)	100%(3/3)
		2324	2	1	99%(228/230)	100%(2/2)
		145	4	1	99%(227/230)	100%(2/2)
		801	2	1	99%(227/230)	100%(2/2)
		2521	3	2	99%(227/230)	100%(1/1)
2718	92.7	no close relatives				
2721	98.0	416	1	226	100%(76/76)	100%(1/1)
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		766	4	162	99%(143/145)	100%(1/1)
		1143	3	21	99%(194/197)	100%(1/1)
		1804	7	160	98%(120/122)	100%(1/1)
		2437	6	2	98%(357/364)	100%(4/4)
2722	97.9	945	1	1	99%(281/284)	100%(3/3)
		2442	11	1	98%(246/250)	100%(2/2)
		396	5	5	98%(279/284)	100%(3/3)
		2213	8	1	98%(279/284)	100%(2/2)
2724	98.5	1343	1	54	100%(84/84)	100%(2/2)
		2634	1	57	100%(83/83)	100%(2/2)
		2571	2	2	100%(393/395)	100%(5/5)
		573	2	121	99%(147/148)	100%(2/2)
		013	2	10	99%(236/238)	100%(3/3)
		461	3	18	99%(392/395)	100%(4/4)
		2782	2	100	99%(127/128)	100%(2/2)
		144s	3	5	99%(391/395)	100%(4/4)
		2679s	2	92	99%(98/99)	100%(2/2)
		011	2	11	99%(265/268)	100%(4/4)
		2908	2	37	99%(89/90)	100%(2/2)
		1008	2	2	99%(389/394)	100%(3/3)
2725	98.5	107	1	1	100%(200/200)	100%(3/3)
		940	1	5	100%(56/56)	100%(1/1)
		1712	1	129	100%(30/30)	100%(1/1)
		2307	1	35	100%(51/51)	100%(1/1)
		49	2	2	100%(199/200)	100%(3/3)
		140	2	4	100%(199/200)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		347	3	3	100%(199/200)	100%(2/2)
		520	1	1	100%(199/200)	67%(2/3)
		563	1	2	100%(199/200)	100%(2/2)
		730	3	17	100%(193/194)	100%(2/2)
		925	2	5	100%(199/200)	100%(2/2)
		927	3	1	100%(199/200)	100%(2/2)
		1032	2	1	100%(198/199)	100%(3/3)
		1637	1	7	100%(199/200)	100%(2/2)
		1791	1	3	100%(199/200)	100%(3/3)
		2178	2	2	100%(199/200)	100%(3/3)
		2773	3	6	100%(199/200)	100%(2/2)
		207	2	2	99%(198/200)	100%(2/2)
		505	2	2	99%(198/200)	100%(2/2)
		778	1	4	99%(197/199)	100%(2/2)
		796	2	2	99%(198/200)	100%(2/2)
		858	1	1	99%(198/200)	100%(3/3)
		862	3	1	99%(198/200)	100%(2/2)
		1063	3	6	99%(198/200)	100%(3/3)
		1144	1	1	99%(198/200)	100%(3/3)
		1190	2	5	99%(198/200)	100%(3/3)
		1265	1	1	99%(198/200)	100%(3/3)
		1470	2	5	99%(198/200)	100%(2/2)
		1484	1	1	99%(198/200)	100%(2/2)
		1653	1	1	99%(198/200)	100%(2/2)
		2399	3	1	99%(192/194)	100%(2/2)
		2563	2	3	99%(198/200)	100%(2/2)
		2908	2	37	99%(89/90)	100%(2/2)
2726	100.0	no close relatives				
2727	96.7	370	11	11	98%(124/127)	67%(2/3)
2728	95.2	2794	4	1	99%(339/343)	94%(15/16)
		352	4	1	99%(388/394)	88%(14/16)
		1676	3	1	99%(388/394)	93%(14/15)
		375	4	1	98%(386/393)	93%(13/14)
		2252	6	1	98%(385/394)	93%(14/15)
		2397	6	1	97%(384/395)	88%(14/16)
		1001	6	1	97%(382/395)	88%(14/16)
		299	6	1	96%(380/395)	91%(10/11)
		713	5	1	96%(378/395)	82%(9/11)
		780	4	1	95%(372/390)	91%(10/11)
2730	98.7	034	2	1	99%(391/395)	75%(3/4)
		1468	4	2	99%(391/395)	75%(3/4)
2732	98.2	416	1	226	100%(76/76)	100%(1/1)
		2307	2	72	100%(194/195)	100%(2/2)
		766	2	54	99%(144/145)	100%(2/2)
		153	3	3	99%(392/395)	100%(5/5)
		210	2	3	99%(392/395)	100%(5/5)
		1804	2	99	99%(121/122)	100%(2/2)
		2693s	1	1	99%(373/376)	100%(6/6)
		117	1	2	99%(391/395)	100%(7/7)
		263	1	3	99%(391/395)	100%(5/5)

Ms	MT	OMs	C	N	Overall	non-MT
		901	1	1	99%(391/395)	100%(7/7)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		446	3	1	99%(389/395)	83%(5/6)
		1118	2	4	99%(389/395)	100%(4/4)
2735	95.9	742	1	1	99%(391/394)	93%(13/14)
		854	2	1	99%(392/395)	100%(13/13)
		1160	1	1	99%(392/395)	100%(14/14)
		1613	2	1	99%(392/395)	100%(13/13)
		819	2	1	99%(391/395)	92%(12/13)
		315	3	1	99%(390/395)	100%(14/14)
		1336	2	3	98%(322/328)	100%(13/13)
		2490	3	1	98%(387/395)	91%(10/11)
		818	2	2	98%(386/395)	100%(12/12)
		741	3	1	98%(383/393)	100%(14/14)
		886	2	2	98%(384/394)	100%(12/12)
2737	97.2	956	4	5	99%(392/395)	100%(8/8)
		1640	4	5	99%(392/395)	100%(8/8)
		2282s	4	5	99%(392/395)	100%(8/8)
		1622s	5	4	99%(391/395)	100%(8/8)
		1629	5	4	99%(391/395)	100%(8/8)
		2679s	2	92	99%(98/99)	100%(3/3)
		963	4	3	99%(390/395)	100%(8/8)
		1054s	5	4	99%(390/395)	100%(8/8)
		1086	5	3	99%(390/395)	100%(8/8)
		2136	5	6	99%(390/395)	100%(6/6)
2747	97.7	no close relatives				
2749	98.5	390	3	1	100%(393/395)	80%(4/5)
		484	4	3	99%(392/395)	80%(4/5)
		2266	4	1	99%(392/395)	80%(4/5)
		89	4	1	99%(391/395)	80%(4/5)
		483	6	3	99%(391/395)	80%(4/5)
		1198	6	3	99%(388/392)	80%(4/5)
		1290	6	1	99%(391/395)	75%(3/4)
		1397	6	1	99%(390/394)	75%(3/4)
		2511	5	4	99%(391/395)	75%(3/4)
		2641	6	2	99%(391/395)	75%(3/4)
2750	97.4	416	1	226	100%(75/75)	100%(1/1)
		2307	2	72	100%(192/193)	100%(2/2)
		1804	2	99	99%(120/121)	100%(2/2)
		1343	2	233	99%(82/83)	100%(1/1)
		2634	2	234	99%(81/82)	100%(1/1)
		766	4	162	99%(142/144)	100%(2/2)
		446	5	3	98%(385/392)	100%(6/6)
		1213	4	4	98%(384/392)	100%(6/6)
		1297	6	1	98%(383/392)	83%(5/6)
		403	2	1	98%(323/331)	100%(5/5)
2754	99.0	800	2	6	99%(180/181)	100%(1/1)
		2415	3	11	99%(392/395)	100%(3/3)
		2782	2	100	99%(127/128)	100%(1/1)

Ms	MT	OMs	C	N	Overall	non-MT
2756	97.7	179	6	86	99%(247/249)	100%(2/2)
		766	4	162	99%(143/145)	100%(1/1)
		220	4	1	99%(389/395)	100%(6/6)
		1463	2	2	99%(388/394)	100%(8/8)
		1561	5	1	99%(389/395)	83%(5/6)
		2278	4	1	99%(389/395)	83%(5/6)
		2492	3	1	98%(378/384)	100%(6/6)
		557	2	3	98%(388/395)	100%(7/7)
		726	4	1	98%(388/395)	100%(7/7)
		649	5	24	98%(87/89)	100%(1/1)
2757	98.0	no close relatives				
2758s	97.0	2679s	1	22	100%(99/99)	100%(3/3)
		956	5	4	99%(391/395)	100%(8/8)
		1640	5	4	99%(391/395)	100%(8/8)
		2282s	5	4	99%(391/395)	100%(8/8)
		1622s	6	4	99%(390/395)	100%(8/8)
		963	5	4	99%(389/395)	100%(8/8)
		2737	5	1	99%(389/395)	89%(8/9)
		1303	2	2	98%(388/395)	91%(10/11)
		1802	1	3	98%(387/395)	100%(10/10)
		1200s	2	2	97%(382/393)	100%(7/7)
2760	97.0	416	1	226	100%(76/76)	100%(1/1)
		1804	1	15	100%(121/121)	100%(3/3)
		771	2	82	100%(206/207)	100%(2/2)
		292	3	2	99%(385/388)	100%(11/11)
		1094	3	1	99%(391/394)	100%(10/10)
		711	5	109	99%(218/220)	100%(2/2)
		1007	2	1	99%(390/394)	100%(11/11)
		766	4	162	99%(142/144)	100%(2/2)
		2127	4	2	98%(387/394)	100%(10/10)
		700	4	4	97%(383/394)	75%(6/8)
2765	98.2	771	1	13	100%(208/208)	100%(2/2)
		1292	4	5	99%(392/395)	100%(4/4)
		1804	2	99	99%(121/122)	100%(2/2)
		55	6	7	99%(386/390)	100%(4/4)
		2467	3	3	99%(279/282)	100%(3/3)
		2136	5	6	99%(390/395)	100%(4/4)
		2137	5	6	99%(390/395)	100%(4/4)
		1609	5	4	99%(389/395)	100%(4/4)
		2238	4	1	99%(382/388)	86%(6/7)
		2645	5	2	99%(389/395)	100%(4/4)
2766	91.4	no close relatives				
2767	98.7	845	3	66	100%(392/394)	100%(3/3)
		1095	3	1	100%(392/394)	75%(3/4)
		1145	3	66	100%(371/373)	100%(3/3)
		1328	3	66	100%(392/394)	100%(3/3)
		573	2	121	99%(147/148)	100%(1/1)
		1062	4	1	99%(391/394)	100%(3/3)
		1703	4	1	99%(391/394)	100%(3/3)
		2322	4	1	99%(390/393)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
2768	98.2	246	2	83	100%(197/198)	100%(1/1)
		2297	7	11	99%(390/395)	100%(4/4)
		778	5	1	99%(387/393)	75%(3/4)
2773	99.0	416	1	226	100%(76/76)	100%(1/1)
		1467	1	5	100%(335/335)	100%(4/4)
		2307	1	35	100%(195/195)	100%(2/2)
		2316	1	89	100%(130/130)	100%(1/1)
		516	2	2	100%(393/394)	100%(3/3)
		1494	2	4	100%(394/395)	100%(4/4)
		246	2	83	100%(197/198)	100%(1/1)
		925	2	5	100%(393/395)	100%(4/4)
		1034	3	3	100%(393/395)	100%(3/3)
		1471	3	2	100%(393/395)	100%(4/4)
		1632	3	2	100%(393/395)	100%(4/4)
		2725	2	12	100%(199/200)	100%(2/2)
		573	2	121	99%(147/148)	100%(1/1)
		1664	3	2	99%(392/395)	100%(4/4)
		1791	3	2	99%(392/395)	100%(3/3)
2774	98.2	2856	10	2	99%(390/395)	60%(3/5)
		2860	11	4	99%(389/395)	80%(4/5)
		1804	7	160	98%(120/122)	100%(2/2)
2775s	96.4	2679s	8	83	98%(96/98)	100%(2/2)
		2908	6	47	98%(88/90)	100%(3/3)
		370	10	6	98%(124/127)	75%(3/4)
2779	98.2	1343	1	54	100%(50/50)	100%(1/1)
		2634	1	57	100%(49/49)	100%(1/1)
		2649	1	2	100%(112/112)	100%(2/2)
		1350	1	1	99%(270/272)	100%(3/3)
		573	3	1	99%(113/114)	100%(1/1)
		1237	3	1	99%(269/272)	100%(3/3)
		1315	2	1	99%(269/272)	100%(3/3)
		1901	2	1	99%(268/271)	100%(3/3)
		350	2	3	99%(238/241)	100%(2/2)
		2908	3	1	99%(82/83)	100%(1/1)
		976	1	1	99%(217/220)	100%(2/2)
		1024	3	1	99%(267/271)	75%(3/4)
		1139	1	1	99%(267/271)	75%(3/4)
		1432	3	1	99%(268/272)	100%(3/3)
		1479	3	1	99%(268/272)	67%(2/3)
		2314	3	1	99%(268/272)	100%(3/3)
		2679	2	1	98%(170/173)	100%(2/2)
2782	98.4	14	1	3	100%(128/128)	100%(2/2)
		95	1	1	100%(127/127)	100%(1/1)
		96	1	3	100%(56/56)	100%(1/1)
		199	1	4	100%(128/128)	100%(2/2)
		202	1	2	100%(128/128)	100%(2/2)
		219	1	3	100%(128/128)	100%(2/2)
		272	1	2	100%(128/128)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		360	1	4	100%(128/128)	100%(2/2)
		491	1	2	100%(128/128)	100%(2/2)
		656	1	1	100%(128/128)	100%(2/2)
		707	1	3	100%(128/128)	100%(2/2)
		779	1	3	100%(59/59)	100%(1/1)
		900	1	2	100%(128/128)	100%(2/2)
		926	1	1	100%(55/55)	100%(1/1)
		942	1	1	100%(128/128)	100%(2/2)
		999	1	2	100%(128/128)	100%(2/2)
		1012	1	1	100%(128/128)	100%(2/2)
		1077	1	4	100%(126/126)	100%(2/2)
		1078	1	1	100%(128/128)	100%(2/2)
		1090	1	3	100%(127/127)	100%(2/2)
		1121	1	1	100%(128/128)	100%(2/2)
		1155	1	3	100%(128/128)	100%(2/2)
		1395	1	1	100%(128/128)	100%(2/2)
		1450	1	2	100%(128/128)	100%(2/2)
		1545	1	1	100%(128/128)	100%(2/2)
		2098	1	4	100%(128/128)	100%(2/2)
		2283	1	2	100%(128/128)	100%(2/2)
		2292	1	1	100%(128/128)	100%(2/2)
		2414	1	2	100%(28/28)	100%(1/1)
		2500	1	3	100%(128/128)	100%(2/2)
		2592	1	4	100%(127/127)	100%(2/2)
		2717	1	4	100%(30/30)	100%(1/1)
		2897	1	1	100%(128/128)	100%(2/2)
		07	3	3	99%(127/128)	100%(2/2)
		013	2	10	99%(127/128)	100%(2/2)
		028	1	2	99%(127/128)	100%(2/2)
		031s	3	1	99%(127/128)	100%(2/2)
		045	1	2	99%(126/127)	100%(2/2)
		34	1	1	99%(127/128)	100%(2/2)
		44	1	1	99%(127/128)	100%(2/2)
		46	1	1	99%(127/128)	100%(2/2)
		52	3	1	99%(124/125)	100%(2/2)
		57	3	4	99%(127/128)	100%(1/1)
		65	2	2	99%(127/128)	100%(2/2)
		77	1	1	99%(127/128)	100%(1/1)
		119	2	3	99%(127/128)	100%(2/2)
		142	1	1	99%(127/128)	100%(2/2)
		144s	2	2	99%(127/128)	100%(2/2)
		191	2	2	99%(127/128)	100%(1/1)
		207	1	2	99%(127/128)	100%(2/2)
		261	3	9	99%(127/128)	100%(2/2)
		271	2	1	99%(127/128)	100%(2/2)
		324	2	1	99%(127/128)	100%(1/1)
		355	1	1	99%(127/128)	100%(2/2)
		358	3	6	99%(127/128)	100%(2/2)
		380	3	8	99%(127/128)	100%(2/2)
		392	1	1	99%(127/128)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		438	3	7	99%(127/128)	100%(2/2)
		461	3	18	99%(127/128)	100%(2/2)
		481	1	1	99%(127/128)	100%(2/2)
		504	3	5	99%(127/128)	100%(2/2)
		505	1	1	99%(127/128)	100%(2/2)
		561	1	5	99%(127/128)	100%(2/2)
		568	3	3	99%(127/128)	100%(2/2)
		655	2	1	99%(127/128)	100%(2/2)
		682	2	2	99%(127/128)	100%(2/2)
		708	1	1	99%(127/128)	100%(1/1)
		796	1	1	99%(127/128)	100%(2/2)
		1031	3	8	99%(127/128)	100%(1/1)
		1058	3	4	99%(127/128)	100%(2/2)
		1063	2	1	99%(127/128)	100%(2/2)
		1084	1	1	99%(127/128)	100%(1/1)
		1163	3	7	99%(127/128)	100%(2/2)
		1212	1	1	99%(127/128)	100%(2/2)
		1240	2	1	99%(127/128)	100%(2/2)
		1266	2	3	99%(127/128)	100%(2/2)
		1280	3	2	99%(127/128)	100%(1/1)
		1298	1	1	99%(127/128)	100%(1/1)
		1300	3	17	99%(127/128)	100%(2/2)
		1310	2	1	99%(127/128)	100%(1/1)
		1315	1	1	99%(127/128)	100%(1/1)
		1346	1	1	99%(127/128)	100%(2/2)
		1350	2	1	99%(127/128)	100%(1/1)
		1385	1	1	99%(127/128)	100%(1/1)
		1410	2	1	99%(127/128)	100%(2/2)
		1438	1	1	99%(127/128)	100%(2/2)
		1498	1	1	99%(127/128)	100%(2/2)
		1564	3	3	99%(123/124)	100%(1/1)
		1575	1	5	99%(127/128)	100%(1/1)
		1583	2	1	99%(127/128)	100%(2/2)
		1588	2	3	99%(127/128)	100%(2/2)
		1597	2	1	99%(127/128)	100%(1/1)
		1675	1	1	99%(127/128)	100%(2/2)
		1781	1	1	99%(127/128)	100%(2/2)
		1792	2	3	99%(127/128)	100%(2/2)
		2101	3	7	99%(127/128)	100%(1/1)
		2133	2	1	99%(127/128)	100%(2/2)
		2201	2	1	99%(127/128)	100%(1/1)
		2224	2	8	99%(127/128)	100%(2/2)
		2297	3	3	99%(127/128)	100%(2/2)
		2315	1	2	99%(127/128)	100%(1/1)
		2371	1	1	99%(127/128)	100%(1/1)
		2396	2	3	99%(127/128)	100%(2/2)
		2415	3	11	99%(127/128)	100%(2/2)
		2451	3	2	99%(127/128)	100%(2/2)
		2494	2	2	99%(127/128)	100%(2/2)
		2499	1	1	99%(127/128)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		2523	1	1	99%(127/128)	100%(1/1)
		2525	2	3	99%(127/128)	100%(2/2)
		2563	1	1	99%(127/128)	100%(2/2)
		2695	1	1	99%(127/128)	100%(1/1)
		2754	2	2	99%(127/128)	100%(1/1)
		2908	2	37	99%(86/87)	100%(1/1)
2783	98.7	12	2	1	99%(388/391)	100%(3/3)
2786	87.3	no close relatives				
2788s	99.2	Kr				
2794	95.3	1676	1	1	100%(341/342)	100%(15/15)
		352	2	1	99%(340/342)	100%(15/15)
		375	2	1	99%(341/343)	100%(14/14)
		2307	4	4	99%(143/144)	100%(1/1)
		2728	1	1	99%(339/343)	94%(15/16)
		1006	2	1	98%(337/343)	93%(14/15)
		782	3	1	98%(336/343)	93%(14/15)
		1136	2	2	98%(334/342)	89%(8/9)
		1268	2	1	97%(334/343)	93%(13/14)
		1431	1	1	96%(329/343)	78%(7/9)
2804	98.2	237	1	1	99%(390/395)	100%(4/4)
		1298	3	1	99%(389/395)	100%(4/4)
2806	99.5	Kr				
2808	98.0	no close relatives				
2809	97.2	444	1	1	100%(393/395)	100%(9/9)
		2908	2	37	99%(89/90)	100%(3/3)
		1804	7	160	98%(120/122)	100%(1/1)
		1190	9	3	98%(387/395)	100%(6/6)
		370	10	6	98%(124/127)	75%(3/4)
2810	93.9	no close relatives				
2812	97.2	32	2	2	99%(391/395)	100%(9/9)
		746	1	2	99%(391/395)	100%(7/7)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		24	3	1	99%(390/395)	89%(8/9)
		2649	5	93	99%(144/146)	100%(3/3)
		108	2	3	99%(389/395)	100%(8/8)
		156	3	2	98%(386/393)	100%(7/7)
		2277	4	2	98%(388/395)	100%(7/7)
		518	3	1	98%(385/395)	86%(6/7)
2813	97.3	1213	1	2	100%(371/372)	100%(10/10)
		446	2	1	100%(370/372)	100%(9/9)
		2679s	6	1	99%(75/76)	100%(2/2)
		766	4	162	99%(143/145)	100%(2/2)
		1804	7	160	98%(120/122)	100%(2/2)
		116	10	2	98%(365/372)	100%(5/5)
		2750	7	1	98%(362/369)	100%(5/5)
		2649	8	93	98%(143/146)	100%(2/2)
		2658	6	1	98%(363/372)	100%(7/7)
		1096	9	1	98%(358/367)	100%(5/5)
2856	98.5	1141	2	5	100%(393/395)	100%(4/4)



Ms	MT	OMs	C	N	Overall	non-MT
		210	3	1	99%(392/395)	80%(4/5)
		1472	3	8	99%(392/395)	100%(4/4)
		137	2	2	99%(391/395)	100%(6/6)
		195	4	6	99%(391/395)	100%(4/4)
		852	3	4	99%(391/395)	100%(5/5)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
		759	2	3	99%(390/395)	100%(4/4)
		2774	1	1	99%(390/395)	60%(3/5)
2860	98.0	771	1	13	100%(208/208)	100%(2/2)
		1347	2	1	100%(393/395)	86%(6/7)
		1804	2	99	99%(121/122)	100%(2/2)
		1037	4	1	99%(391/395)	100%(6/6)
		135	6	3	99%(390/395)	100%(6/6)
		808	2	1	99%(390/395)	100%(6/6)
		1218	3	5	99%(390/395)	100%(5/5)
		011	6	2	99%(264/268)	80%(4/5)
		1684	5	1	99%(389/395)	83%(5/6)
		2774	2	1	99%(389/395)	80%(4/5)
2863	98.7	416	1	226	100%(76/76)	100%(1/1)
		2316	1	89	100%(130/130)	100%(1/1)
		573	2	121	99%(147/148)	100%(1/1)
		1343	2	233	99%(83/84)	100%(1/1)
		2634	2	234	99%(82/83)	100%(1/1)
2868	98.0	1454	4	2	99%(391/395)	100%(6/6)
		779	2	79	99%(84/85)	100%(1/1)
		1343	2	233	99%(83/84)	100%(2/2)
		2634	2	234	99%(82/83)	100%(2/2)
		413	4	5	99%(389/395)	100%(5/5)
		500	3	7	99%(259/263)	100%(3/3)
		1171	1	1	99%(389/395)	100%(6/6)
		934	4	1	98%(388/395)	100%(6/6)
		1966	2	1	98%(385/392)	100%(6/6)
		2526	4	2	98%(277/282)	100%(3/3)
2884	97.7	70	1	1	99%(392/395)	88%(7/8)
2886	92.4	205	1	1	99%(388/393)	100%(28/28)
		209	4	1	97%(381/394)	88%(21/24)
		2713	5	1	95%(375/394)	86%(18/21)
		1	12	1	95%(374/394)	83%(20/24)
		1582	12	1	95%(373/393)	83%(19/23)
		565	12	1	94%(370/392)	74%(17/23)
		1784s	5	1	94%(372/394)	80%(16/20)
		2702	8	1	94%(371/394)	78%(14/18)
		475s	7	2	93%(41/44)	67%(2/3)
		2517	12	1	93%(120/129)	67%(4/6)
2894	98.0	15	4	3	99%(388/391)	100%(6/6)
		1439	5	1	99%(387/391)	86%(6/7)
		2679s	2	92	99%(95/96)	100%(2/2)
		53	4	1	99%(376/380)	100%(5/5)
		013	6	27	99%(232/235)	100%(3/3)

Ms	MT	OMs	C	N	Overall	non-MT
		2562	5	4	99%(375/380)	100%(4/4)
		902	4	3	98%(374/380)	100%(5/5)
		2535	4	2	98%(190/193)	100%(3/3)
		791	3	1	98%(382/389)	100%(5/5)
		2523	3	1	98%(384/391)	80%(4/5)
2897	96.7	2782	1	33	100%(128/128)	100%(2/2)
		1215	1	2	99%(391/395)	100%(12/12)
		2283	2	1	99%(391/395)	100%(10/10)
		779	2	79	99%(84/85)	100%(1/1)
		46	3	2	99%(388/394)	100%(10/10)
		54	2	3	98%(388/395)	100%(10/10)
		2605	2	3	98%(387/395)	100%(11/11)
		2908	6	47	98%(88/90)	100%(2/2)
		1498	5	1	98%(386/395)	89%(8/9)
		492	2	1	97%(383/395)	100%(9/9)
2900	95.9	1804	7	160	98%(120/122)	100%(2/2)
		2649	10	9	98%(142/145)	67%(2/3)
		2908	6	47	98%(88/90)	100%(1/1)
2902	96.5	1079	1	1	100%(394/395)	100%(14/14)
		1219	1	1	100%(394/395)	100%(14/14)
		041	1	1	100%(393/395)	100%(12/12)
		699	1	1	100%(393/395)	100%(13/13)
		114	1	1	99%(392/395)	100%(13/13)
		489	2	1	99%(392/395)	100%(13/13)
		2193	1	2	99%(392/395)	100%(11/11)
		1346	3	2	99%(389/395)	100%(9/9)
		1690	2	2	99%(389/395)	100%(11/11)
		389	3	1	98%(387/394)	79%(11/14)
		1816	1	2	98%(388/395)	100%(11/11)
		158	2	1	98%(386/394)	82%(9/11)
		1313	2	2	98%(387/395)	100%(10/10)
		1627	2	2	98%(387/395)	100%(12/12)
		581	1	2	98%(386/395)	92%(11/12)
		2404	1	1	98%(386/395)	100%(12/12)
		2411	3	1	97%(365/376)	83%(10/12)
2905	98.7	no close relatives				
2907	98.3	07	1	2	100%(297/298)	100%(4/4)
		461	1	5	100%(297/298)	100%(4/4)
		1341	1	4	100%(297/298)	100%(4/4)
		2297	1	2	100%(297/298)	100%(4/4)
		1295	3	1	99%(296/298)	100%(4/4)
		039	2	1	99%(295/298)	67%(2/3)
		2	3	6	99%(295/298)	100%(4/4)
		396	1	4	99%(295/298)	100%(3/3)
		411	3	3	99%(295/298)	100%(3/3)
		584	1	3	99%(295/298)	100%(4/4)
		1800	3	3	99%(295/298)	100%(4/4)
		2142	2	4	99%(295/298)	100%(3/3)
		2550	2	3	99%(295/298)	100%(2/2)
		2679s	2	92	99%(97/98)	100%(2/2)

Ms	MT	OMs	C	N	Overall	non-MT
		2526	3	1	99%(184/186)	100%(2/2)
		22	3	2	99%(294/298)	100%(4/4)
		134	3	3	99%(294/298)	100%(4/4)
		151	1	2	99%(294/298)	100%(4/4)
		473	2	1	99%(294/298)	100%(3/3)
		778	2	11	99%(293/297)	100%(3/3)
		831	2	1	99%(294/298)	100%(3/3)
		1218	3	5	99%(294/298)	100%(2/2)
		1470	3	4	99%(294/298)	100%(3/3)
		2304	2	2	99%(294/298)	100%(4/4)
		2521	3	2	99%(294/298)	100%(1/1)
2908	96.7	274	1	5	100%(60/60)	100%(1/1)
		293	1	1	100%(90/90)	100%(3/3)
		1039	1	1	100%(90/90)	100%(3/3)
		1063	1	1	100%(90/90)	100%(3/3)
		1664	1	4	100%(90/90)	100%(3/3)
		2173	1	2	100%(90/90)	100%(3/3)
		2287	1	1	100%(44/44)	100%(1/1)
		2307	1	35	100%(23/23)	100%(1/1)
		207	3	1	99%(89/90)	100%(2/2)
		444	2	1	99%(89/90)	100%(3/3)
		505	3	1	99%(89/90)	100%(2/2)
		563	3	1	99%(89/90)	100%(2/2)
		761	2	1	99%(89/90)	100%(3/3)
		796	3	1	99%(89/90)	100%(2/2)
		1008	1	1	99%(89/90)	100%(2/2)
		1050	1	1	99%(89/90)	100%(2/2)
		1190	3	1	99%(89/90)	100%(3/3)
		1583	3	1	99%(89/90)	100%(2/2)
		1781	2	1	99%(89/90)	100%(2/2)
		2563	3	1	99%(89/90)	100%(2/2)
		2782	3	1	99%(86/87)	100%(1/1)
		2809	2	1	99%(89/90)	100%(3/3)
		729	2	2	99%(78/79)	100%(3/3)
		184	3	2	98%(87/89)	100%(2/2)
		494	3	1	98%(88/90)	100%(3/3)
		558	1	1	98%(88/90)	100%(1/1)
		677	1	1	98%(87/89)	100%(3/3)
		1004	1	1	98%(88/90)	100%(2/2)
		1038	2	1	98%(88/90)	100%(2/2)
		1074	3	2	98%(88/90)	100%(2/2)
		1353	1	1	98%(88/90)	100%(1/1)
		1651	1	1	98%(88/90)	100%(1/1)
		1675	2	1	98%(88/90)	100%(1/1)
		2620	1	1	98%(88/90)	100%(2/2)
		2660	2	1	98%(88/90)	100%(2/2)
		2775s	2	1	98%(88/90)	100%(3/3)
		2900	3	1	98%(88/90)	100%(1/1)
		1288	2	1	97%(71/73)	100%(1/1)

### ***Selection of the minuscules for the ECM Gospel of John***

The evidence sampled from John, a sample consisting of test passages from chapters 1-10 and the entire chapter 18, provides a firm basis for selecting manuscripts for the ECM apparatus. While it is recognized that including a selection of manuscripts is primarily a practical, resource issue,<sup>1</sup> a selection based on the following principles also meets the ECM goal, for the Greek manuscript tradition, of establishing the initial text and the first thousand years of its history.<sup>2</sup>

1. An initial decision was made within the IGNTP to include all papyri and majuscule manuscripts, that is, all manuscripts from the first eight centuries and most from the first millennium.<sup>3</sup> Although my scope is to select the minuscule manuscripts, obviously the inclusion of the papyri and majuscules provides a textual basis that influences the minuscule selection. For example, of the non-majority readings, the majuscule GA 03 attests 72 of the 85

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<sup>1</sup> See the discussion on pages 36-37 above; cf. also the IGNTP Luke volume, Part One, Introduction, p. vi.

<sup>2</sup> See the ECM James volume, Introduction, p. 11\*.

<sup>3</sup> The decision to include all papyri and majuscules will be better assessed after collecting complete evidence from the selection of minuscules, but since the papyri and majuscule evidence has already been completely published, it should form a starting point for the apparatus. The later dates of the minuscule manuscripts do not necessarily represent the dates of their text, so they are not inherently less important; but while a text may be older than the manuscript in which it is found, the text cannot be younger than its manuscript, justifying the initial inclusion of the oldest manuscripts.

NA27 readings in John 1-10 and 35 of the 41 NA27 readings in John 18, thus singly representing much of the NA27 text.<sup>4</sup>

2. A small set of manuscripts are included to represent the Majority Text. The two minuscules GA 226 and 1320 are complete manuscripts with over 99% agreement with the Majority Text in both John 1-10 and 18.

3. The K<sup>r</sup> group consists of 121 manuscripts with three or fewer differences in the test passages of John 1-10 and 142 manuscripts with one or fewer differences in John 18. This group may be adequately represented by the two manuscripts GA 18 and 35.

4. Other manuscript families or groups may be determined from Table 4.5 for John 18 (and from the parallel table in the John 1-10 *Text und Textwert* volume, pp. 54-90) and represented by core manuscripts as follows:

- Family 1 core: 1, 205, 209, 565, 1582, and 2193 (in John 1-10)

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<sup>4</sup> The remainder of the NA27 text will be primarily represented by including a handful of additional papyri and majuscules. For example, of the 85 non-majority NA27 readings in John 1-10, P75 has 65, including five readings not supported by GA 03, then GA 01 and 019 each support an additional three readings, and P66 one additional reading; thus 84 of the 85 NA27 readings are attested by one or more of the five manuscripts P66, P75, 01, 03 and 019. The 85<sup>th</sup> reading is attested only by the minuscule 1302.

- Family 13 core: 13, 346, 543, 788, and 828
- Family Π (041) core: 041, 544, 1079, 1219, 1561, 2193 (in John 18), and 2411

5. The manuscripts included in steps 1-4 well represent the Majority and NA27 text. As discussed above, the non-majority readings provide the best opportunity for finding other manuscript groups and sub-groups (pp. 35-37), while the small set of readings where the majority of manuscripts are most divided provide the best opportunity for fine-tuning groups within the majority of manuscripts (pp. 100-105). Pragmatically, rather than reading the entire text of the majority of manuscripts, it would be more efficient to select as test passages the small set of variation units where the majority are most divided. Similarly, it would be most efficient for determining the broader history of the text to select the manuscripts which differ most from the Majority text. Table 4.2 provides that list of manuscripts, accounting for both the John 1-10 and 18 samples.

Table 4.2 includes 185 manuscripts, 156 of which are minuscules. 16 of these were included in step 4 above as core family members. While it would be beneficial to include the remaining 140

minuscules, resources are unlikely to allow that. The following guidelines provide further justification for selecting from this list:

- Four of the minuscules were found to be manuscripts of Cyril of Alexandria's Commentary on John and should not be included as continuous text manuscripts: 849, 1819, 1820, 2129.
- Table 4.2 lists the disagreement from the Majority text, which includes the non-majority NA27 and "other" readings. The other readings are of particular interest and can be used to prioritize this list. For example, manuscript 05 has 51 other readings, the most in John 1-10. Manuscript 01 has the second most, 50 other readings, 14 of which it shares with manuscript 05, thus adding 36 other readings to the apparatus after 05 is already included. In order, the top 30 manuscripts (parenthesizing the number of unique other readings each adds) are: 05 (51), 01 (36), P66 (27), 69 (18), 1071 (15), 173 (14), 544 (14), 579 (12), P75 (9), 13 (9), 1029 (9), 1128 (9), 2106 (9), 03 (7), 1253 (7), 1344 (7), 2786 (7), 038 (6), 1241 (6), 1424 (6), 2585 (6), 032 (5), 044

(5), 213 (5), 382 (5), 1654 (5), 2680 (5), 032s (4), 377 (4), and 397 (4).<sup>5</sup>

- Family 1 is well represented by its core, and additional family members as suggested by the John 18 results, 1784s, 2517, and 2886, while of great interest for the family, may be excluded.
- Family 13 is well represented, and the additional suggestion of 1689 from the John 18 results may be excluded.
- Family Π (041) is well represented and the additional suggestions of 114, 158, 1816, 2404, 2463, and 2600 may be excluded.

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<sup>5</sup> The “unique” other readings for a given manuscript are those readings which are not represented by a manuscript earlier in the list. While this list could be dominated by manuscripts with singular readings, of which there are 284 singular readings among the 719 unique other readings, only four manuscripts have more than four singular other readings: 05 (12), P66 (6), 01 (5), and 69 (5); while a total of 208 manuscripts have at least one singular other reading. On the other hand, there are 484 manuscripts with at least 10 other readings. The top 30 manuscripts would represent about half of the other readings, while it would take 305 manuscripts to represent all 719. Note that this list also tends to represent more potential groups, as once a group member is included, its group readings are removed from the remaining readings. Thus only manuscripts 13 and 544 from the previous families are included among these 21 minuscules, adding another 19 minuscules to the selection.



- Manuscripts 265, 389, and 1014 form a cluster, represented well by 265 and 1014, and 389 may be excluded.
- Manuscripts 792 and 2643 form a pair, represented by 792 and excluding 2643.
- Manuscripts 841 and 2188 form a pair, represented by 841 and excluding 2188.
- Manuscripts 27s, 475s, 1128, 1319, and 2148 form a cluster well represented by 1128 and 1319, and 2148 and the fragmentary supplements 27s and 475s may be excluded.

At this point, there is little to distinguish the remaining manuscripts from Table 4.2 other than their percentages of agreement, so manuscripts are chosen or excluded in a stepwise manner to allow reversing the procedure if resources allow:

- The following manuscripts remain from Table 4.2 which agree with the Majority Text less than 83% in John 1-10 and less than 93% in John 18 and may be included: 865, 2561, 892, 2718, 357, 138, 2713, and 124.

- The following manuscripts remain from Table 4.2 which agree with the Majority Text greater than or equal to 85% in John 1-10 and greater than 93% in John 18 and may be excluded: 744, 2206, 733, 472, 1506, 878, 2478, 833, 731, 1021, 2291, 891, 508, 889, 829, 154, 772, 1574, 1269, 2528, 2311, 48, 2304, 16, 1135, 1335, 2397, 741, 1085, 1534, 798, 2684, 2810, 780, 857, 280, 974, 1006, 2702, 1001, 1122, 1268, 1336, and 782.
  
- The following manuscript remains from Table 4.2 which only has data from John 18 and which agrees with the Majority Text greater than 93%, and may be excluded: 2252.
  
- The remaining manuscripts from Table 4.2 agree with the Majority Text less than 85% in John 1-10 or less than 93% in John 18 and may be included: 579s (579 is already included), 33, 826, 317, 994, 869, 2575, 884, 1321, 118, 168, 983, 2192, 1009, 249, 732, 430, 1242, 1546, 780s, 2790, 799, 423, 807, 2223, 295, 821, 1093, 157, 333, 992, 1293, 2615, 1463, 1797, 1788, 1230, 2766, 1010, 1571, 2768, and 597.

Thus 90 minuscules are selected from Table 4.2 for the apparatus.

6. Tables 4.3 and 4.4 test for block or boxcar mixture within the sample of John 1-10 and within John 18, listing the manuscripts with the greatest difference in percentage agreement from one to the other half of each sample. For the most part, the differences do not display a consistent pattern from the halves of chapters 1-10 to the halves of chapter 18, indicating a variable manuscript rather than a clear case of block mixture. The large difference for some of the manuscripts is due to a small sample size due to missing text, particularly for manuscripts 2540 and 2313. Most of the manuscripts with the greatest difference are chosen for inclusion in the apparatus by the selection criteria listed above. A notable exception is manuscript 109, which has less than 80% agreement in chapters 1-6, then greater than 96% agreement in chapters 6-10 and in the two halves of chapter 18. Manuscript 109 should be included for its witness in the early chapters of John.

Table 4.6 lists the 95 minuscules that are suggested for inclusion in the ECM Gospel of John apparatus.

Table 4.6: Minuscules selected for the ECM Gospel of John apparatus

1	807	2192
13	821	2193
18	826	2223
33	828	2411
35	841	2561
69	865	2575
109	869	2585
118	884	2615
124	892	2680
138	983	2713
157	992	2718
168	994	2766
173	1009	2768
205	1010	2786
209	1014	2790
213	1029	
226	1071	
249	1079	
265	1093	
295	1128	
317	1219	
333	1230	
346	1241	
357	1242	
377	1253	
382	1293	
397	1319	
423	1320	
430	1321	
543	1344	
544	1424	
565	1463	
579	1546	
579s	1561	
597	1571	
732	1582	
780s	1654	
788	1788	
792	1797	
799	2106	

## Conclusion

The data presented in this study go far beyond one additional contribution towards a major tool in the field, built upon a heavy dependence on the prior work of others. It is that, completing the preliminary work on the Greek continuous text manuscripts of the Gospel of John, one more step towards one more volume in the *Editio Critica Maior*. Furthermore it could not have been conceived without the massive efforts of others to locate, preserve, and photograph the manuscripts, develop processes for representing their text, and construct methods to summarize and assess their comparison. But beyond these, this study continues pressing forward a rich collaboration between two major international projects, a collaboration that promises to enhance the work of both.

The data for this study began to be collected in the unique IGNTF way, utilizing committees of volunteer scholars, and soliciting volunteer help from dozens of students, pastors, and other scholars. Initially the manuscripts were collated, with the evidence recorded in handwritten or typed paper notes, then eventually on computer. The procedures followed directly from the experience gained from previous IGNTF work. But soon the INTF influence was felt, as the Principio Project started. Transcriptions replaced collations, uniform procedures were adopted, and

all work was computerized. Yet still the volunteer role in the IGNTP was promoted, and its resulting educational component was retained.

Since the INTF had collected its own data from the first half of John, the collaboration meant that the IGNTP could focus on the latter half. The scope remained the same, to collect the total variation from a chapter. But practices of organizing the data changed, and principles of evaluating it took greater account of the vast INTF experience. Periodic joint meetings and consistent communication between the IGNTP and INTF led to the development of shared methods and procedures. It became the assumption that resources, from manuscript materials to software, would be jointly acquired, developed, and shared.

Although this study focused on the IGNTP data collected for John 18, the INTF data for the first half of John was published in the meantime, and made available for comparison. There are clear differences in the data that result in pronounced changes in the summaries. The differences in looking at selected variation, as in John 1-10, versus total variation, as in John 18, are expected and mostly obvious. Examining the total variation in chapter 18 resulted in many more variation units: 395 units in one chapter, compared to 153 in chapters 1-10. Most of the additional variation units had much less varied manuscript support than the selected units, although obviously this depends on the care in selecting units (and

any units that could be selected from chapter 18 are obviously included in the total variation). The greater number of units, most with less varied support, raised the percentages of agreement between manuscripts dramatically.

The effect of examining total variation, rather than selected variation, on comparing manuscripts is not as obvious. The higher percentages of agreement clearly invalidate setting a specific level of agreement as the definition of a group. But differences in percentages are still meaningful. Regardless of whether total or selected variation is considered, a manuscript's agreement with the majority reading across variation units provides a lower bound to the agreement expected for manuscripts within a group. That is, using either type of variation, selecting manuscripts that agree more with each other than with the majority readings provides a starting point for identifying groups. By this approach, families of manuscripts which had been identified in other texts were obvious in John also.

The high percentages of agreement among manuscripts in the John 18 variation units also mean that the majority of manuscripts have a very uniform text. Over 1500 manuscripts differed from the majority of readings fewer than 20 times, and over 1000 manuscripts differed fewer than 10 times. For most manuscripts, there are only a handful of

variation units which could be used to distinguish each from the majority of other manuscripts. Removing the variation units with the largest support of multiple readings also removed most of the spread in percentages of agreement among this large majority of manuscripts. In other words, selecting the variation units with the largest spread of support provided almost all the evidence that existed for distinguishing groups among the large majority of manuscripts. Selecting those few variation units for other chapters or other texts would be fairly simple. At best, for the large majority of manuscripts, collecting the total variation would only allow distinguishing among small subgroups, clusters, or pairs of manuscripts.

On the other hand, a minority of manuscripts (122 out of 1659) diverged from the majority over 20 times in John 18, and 10 manuscripts diverged at a rate (disregarding lacunae) between 40-60 times. Removing the variation units with the largest support of multiple readings did not remove the spread of variation among these manuscripts. Among these are highly distinct groups of manuscripts, such as Family 1 and Family 13, which do not require many variation units to distinguish as a group. But most of this minority set of manuscripts do not have close relationships with many other manuscripts, and the variation units mentioned above, with the largest spread of support of multiple readings, do not affect the spread of their variation. Many of these manuscripts appear to be



individual witnesses, either never having the support of a group of other manuscripts, or having lost their group members over time, and even collecting total variation will not provide the evidence to alter that history. Grouping these manuscripts, or determining that they cannot be grouped, will require more variation units than just those with the largest spread of support, and a larger number of variation units will provide the opportunity for the finest distinctions, but I have been unable to demonstrate that collecting the total variation provides an advantage.

The strategy of selecting for an apparatus the subset of manuscripts that differ most from the majority readings provides the best evidence for describing the entire history of the manuscript tradition. If the goal is to pick those manuscripts to be read in full for the apparatus anyway, a fair selection of variation units is sufficient. Examining the total variation does not provide an advantage towards that goal, though it may provide an advantage towards other goals. Within the non-majority text manuscripts, there may be clear groups such as Family 1, Family 13, or Family Π. Not all manuscripts of such groups are needed in the apparatus, but there are other factors at issue and their inclusion may be an editorial decision.

Based on this work, I put forward the following concluding observations:

- The Text und Textwert method had previously been applied only to selected variant passages, not to continuous text.<sup>1</sup> The John 18 continuous text application demonstrates results similar in nature, though different in scale, to the application to test passages of John 1 10.
- Test passages could be selected at random, without bias, from the large set of known variant passages, or non-randomly, raising the potential of bias. The practice of including all available manuscripts ensures that the method would adjust the selected passages to all variation found in the selected reading, which was unknown at the time of selection, reducing the potential bias.
- On the other hand, utilizing all text to find all variation eliminates selection bias, but introduces other potential problems. The number of sparsely attested variants was greatly increased over previous Text und Textwert volumes. Most editorial decisions, whether modern or from a manuscript's later copyists (when the variant was known), have not given such variants much recognition. It could be argued that including these variants, as part of all variation, unnecessarily inflates measures of agreement among most manuscripts; although it could also be maintained that this practice best represents the true state.

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<sup>1</sup> Though see now the ECM Parallel Pericopes volume on the Synoptic Gospels by Strutwolf and Wachtel.

- Utilizing all variation did result in much higher percentages of agreement among manuscripts than previous Text und Textwert volumes. However, this was primarily a change of scale, not of significance, as shown broadly by two results. First, the groups of manuscripts that could be clearly shown from the test passages of John 1-10 could also be clearly shown in John 18; only the percentages were shifted. Second, the large majority of the manuscripts were distinguished by only a handful of passages, as few as 10 in both samples. Apart from that handful, the large majority of manuscripts were almost identical; thus, it is that handful that distinguishes the majority, while the other passages just shift the percentages up or down.

- Determining the majority reading for each variation unit and calculating a manuscript's agreement with the set of majority readings effectively provides an approximate lower limit to the manuscripts with which it is related and an upper limit to those with which it is not. This should be true of most manuscript traditions, but it is particularly appropriate for a tradition like the Gospels, where a large number of the remaining manuscripts come from a narrow segment of the transmission history. This measure and each manuscript's agreement with every other manuscript form the basis of the Text und Textwert method and provide rich results for comparing pairs and groups of manuscripts.

- Results from two portions of John, the first half and a late portion, highlight the manuscripts that display differently in the two portions. Block mixture is a possible explanation, but the pattern appears more complicated than that for most of these manuscripts. Mixture remains a handicap to setting manuscript relationships.
- The large proportion of highly similar manuscripts and the small proportion of mostly dissimilar manuscripts suggest that a different sampling scheme may be more efficient in determining manuscript relationships. The small number of variant passages where the majority of manuscripts have the greatest split could be readily determined from currently published data. That smaller set of test passages could be read for all manuscripts, then a larger set of test passages or continuous text read for the smaller number of non majority manuscripts, resulting in more discriminating data at a potential saving of resources.
- Unfortunately, while efforts were made to collect non-textual features of manuscripts, the effort was inconsistent during the course of the project, and no use was made of the limited information in describing, classifying, or selecting manuscripts.

- The manuscripts selected in this study for the John ECM volume represent a wide range of the manuscript tradition without reference to any particular theory of transmission. The resulting apparatus should provide adequate support for a broad spectrum of possible histories of the text.

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## Appendix I

This appendix supplements Table 2.3, listing the  $K^x$ ,  $K^r$ , and  $\Pi^a$  subgroups in Luke

Table 2.3 supplement: Claremont Profile Method Groups and Sub-groups in Luke

Group	Subgroup	Number of mss	Number and list of mss in IGNTP Luke	
$K^r$		221	6	66, 83, 480, 1247, 2322, 2399
	35	25	0	
	Cl 56	3	0	
	Cl 128	3	0	
	Cl 147	3	0	
	Cl 167	4	0	
	Cl 189	4	0	
	Cl 479	6	0	
	Cl 586	4	0	
	Cl 763	4	0	
	Cl 953	3	0	
	Cl 958	3	0	
	Cl 1059	8	1	2399
	Cl 1176	3	0	
	Cl 1323	8	0	
	Cl 1489	3	0	
	Cl 1601	3	0	
				07, 011, 013, 027, 028, 030, 031, 032, 036, 037, 045, 047, 053, 0211, 2, 21, 28, 115, 123, 157, 158, 179, 229, 399, 461, 475, 478, 544, 565, 669, 700, 1010, 1077, 1080, 1203, 1215, 1295, 1338, 1342, 1347, 1351, 1352, 1392, 1443, 1452, 1542, 1691,
		734	48	2757
	Cl $\Omega$	37	10	07,028,031,045,123,461,1077,1080,1295,1691
$K^x$	Cl 17	7	0	
	Cl 43	10	0	
	Cl 46	8	0	
	Cl 74	16	0	
	Cl 112	3	0	
	Cl 122	5	0	
	Cl 137	3	0	
	Cl 160	3	1	1010
	Cl 180	3	0	
	Cl 183	5	0	
	Cl 187	3	0	
	Cl 202	4	0	
	Cl 281	17	1	1338
	Cl 352	5	0	
	Cl 413	4	0	
	Cl 532	3	0	
	Cl 550	4	0	
	Cl 934	3	0	
	Cl 1021	4	0	

Group	Subgroup	Number of mss	Number and list of mss in IGNTP Luke	
Π (041)	CI 1053	13	0	
	CI 1084	3	0	
	CI 1179	4	0	
	CI 1193	4	0	
	CI 1213	5	1	0211
	CI 1345	3	0	
	CI 1547	3	0	
	CI 2283	3	1	1215
	CI 2592	8	1	1351
	Π <sup>a</sup> detail	65	13	02, 017, 041, 158, 229, 265, 489, 544, 1079, 1219, 1313, 1355,
	(Π <sup>a</sup> CI			1392
	178)	4	0	
	(Π <sup>a</sup> CI			
	1272)	4	0	

## Appendix II: A Complete Apparatus of John 18

=====							
■	1	18,1/1					
		ταυτα ειπων Ιησους εξηλθεν					
3	και ταυτα						
1298	1697						
W1/2/3	[ταυ]τα						
P66							
Z	DEF						
P52	P59	P60	P90	P108	05s	011s	087
0109	0290	27s	179s	246	274s	370	472
475s	649	731	731s	770	779	780	800
892	947	1041	1143	1182	1343s	1541	1569
1571s	1633	1712	1803	2121	2177	2185	2282
2287	2290s	2369	2398	2399	2418	2437	2517
2526	2529	2535	2636	2650	2676	2679s	2725
2727	2779	2782	2794	2810	2908		
=====							
■	18,1/2						
	ταυτα ειπων						
1/2	ταυτα						
344sc							
1/2-f1	αυτα						
96	538	892s	1640	2708			
1/2-f2	παντα						
344s*							
=====							
■	18,1/2-48						
	ταυτα ειπων ιησους ... SINE ADD ... μαθηται αυτου						

3	τω καιρω εκεινω ταυτα ειπων ο ιησους εξηλθε συν τοις μαθηταις αυτου		
588			
3B	ταυτα ειπων τω καιρω εκεινω εξηλθεν ο ιησους συν τοις μαθηταις αυτου		
1966			
4	ταυτα ειπων ο ιησους τω καιρω εκεινω εξηλθεν ο ιησους συν τοις μαθηταις αυτου		
198	982		
4B	ταυτα ειπων ο ιησους εξηλθε τω καιρω εκεινω εξηλθεν ο ιησους συν τοις μαθηταις αυτου		
979	1139	2467	
4C	ταυτα ειπων ο ιησους εξηλθε τω καιρω εκεινω εξηλθεν συν τοις μαθηταις αυτου		
1901			
5	τω καιρω εκεινω εξηλθεν ο ιησους συν τοις μαθηταις αυτου		
2591			
6	ταυτα ειπων ο ιησους εξηλθε συν τοις μαθηταις αυτου τω καιρω εκεινω εξηλθεν ο ιησους συν τοις μαθηταις αυτου		
1024			
7	ταυτα ... και οι μαθηται αυτου ADD τω καιρω εκεινω εξηλθεν ο ιησους συν τοις μαθηταις αυτου περαν του χειμαρρου των κεδρων οπου ην κηπος εις ον εισηλθεν αυτος και οι μαθηται αυτου		
163	2422	2584	
7B	ταυτα ... και οι μαθηται αυτου ADD τω καιρω εκεινω εξηλθεν συν τοις μαθηταις αυτου περαν του χειμαρρου των κεδρων οπου ην κηπος εις ον εισηλθεν αυτος και οι μαθηται αυτου		
283			
7C	ταυτα ... και οι μαθηται αυτου ADD εξηλθεν ο ιησους συν τοις μαθηταις αυτου περαν του χειμαρρου των κεδρων οπου ην κηπος εις ον εισηλθεν αυτος και οι μαθηται αυτου		
276	2687		

Z	DEF						
P52	P59	P60	P90	P108	05s	011s	087
0109	0290	27s	179s	246	274s	370	374
472	475s	649	731	731s	770	779	780
800	892	947	1041	1343s	1541	1571s	1633
1803	2177	2282	2287	2290s	2369	2398	2399
2418	2437	2517	2526	2529	2535	2636	2650
2676	2679s	2725	2727	2779	2782	2794	2810
2908							

■ 2 18,1/2-6

ταυτα ειπων ιησους  
εξηλθεν

3 OM

2810

Z	DEF						
P52	P59	P90	P108	05s	011s	087	0109
0290	27s	179s	246	274s	370	472	475s
649	731	731s	770	779	780	800	892
947	1041	1343s	1541	1571s	1633	1712	1803
2121	2177	2282	2287	2290s	2369	2398	2399
2418	2437	2517	2526	2529	2535	2636	2650
2676	2679s	2725	2727	2779	2782	2794	2908

■ 3 18,1/4

ταυτα  
ειπων  
ιησους εξηλθεν

1/2 ειπων

90c\*

1/2-f1 ειων

16

3 ειπεν

0211 90\* 273s 829 1479

Z	DEF						
P52	P59	P60	P66	P90	P108	05s	011s
087	0109	0290	27s	179s	246	274s	370
472	475s	649	731	731s	770	779	780
800	892	947	1041	1143	1343s	1541	1571s
1633	1712	1803	2121	2177	2282	2287	2290s
2369	2398	2399	2418	2437	2470	2517	2526
2529	2535	2636	2650	2676	2679s	2725	2727
2779	2782	2794	2810	2908			

■ 4 18, 1/5 ταυτα ειπων  
SINE ADD  
ιησους εξηλθεν

3 ADD εν εαυτοις

2236

Z	DEF						
P52	P59	P90	P108	05s	011s	087	0109
0290	27s	179s	246	274s	370	472	475s
649	731	731s	770	779	780	800	892
947	1041	1143	1343s	1541	1571s	1633	1712
1803	2121	2177	2282	2287	2290s	2369	2398
2399	2418	2437	2517	2526	2529	2535	2636
2650	2676	2679s	2725	2727	2779	2782	2794
2810	2908						

■ 5 18, 1/6-8 ταυτα ειπων  
ιησους εξηλθεν  
συν τοις μαθηταις αυτου

1 ο ιησους εξηλθεν

019c	054c	225*	230*	270*	440*	552*	578*
831*	1192*	1558*	1563*	1780c	2252*	2620*	2804c

1-f1 ο ιησους ξηλθε

746	1011
-----	------

1-f2 ο ιησους εξηλθεμ

233								
1-f3	ο ιησους εξηλθεν							
852								
1-f4	ο ιησους εισηλθε							
1409								
1-f5	ο ιησους [1-2] εξηλθε							
054*								
2	ιησους εξηλθεν							
01	03	019*	107					
3	εξηλθεν ο ιησους							
86	440c	569	650	663	1047s	1170	1192c	
1531	1532	1574c*	1704	1966	2108	2159	2291	
2387	2405	2591	2611	2703				
4	εξηλθε							
237	781	986	1018	1298	1574*	2804*		
5	ο ιησους εξηλθεν ο ιησους							
198	225c	270c	364	552c	578c1	668	831c	
982	1558c	1563c	2252c	2620c				
5B	ο ιησους εξηλθε εξηλθεν ο ιησους							
163	276	979	1024	1139	1615	2422	2467	
2584	2687							
5C	ο ιησους παρεξηλθεν ο ιησους							
230c*								
6	ο ιησους εξηλθεν {τω καιρω εκεινω} εξηλθεν							
283	1780*	1901						
6B	ο ιησους {συν τοις μαθηταις αυτου} εξηλθεν							



1135

W1/2 [ο] ιησους εξ[ηλθεν]

P66

W1/3-f1 ο εξηλθεν ιησους

1788

Z DEF

P52	P59	P90	P108	05s	011s	087	0109
0290	27s	179s	246	274s	370	374	472
475s	649	731	731s	770	779	780	800
892	947	1009	1041	1126	1207	1343s	1541
1571s	1633	1712	1803	2121	2177	2282	2287
2290s	2369	2398	2399	2418	2437	2470	2517
2526	2529	2535	2636	2650	2676	2679s	2725
2727	2779	2782	2794	2810	2908		

=====

■ 18,1/8-48

εξηλθεν ... μαθηται αυτου

V OM

374

=====

■ 6 18,1/10-14 ιησους εξηλθεν  
συν τοις μαθηταις  
αυτου

1/2 συν τοις μαθηταις

01Cca 126c 1671\* 2426c

1/2-f1 συν αυτοις μαθηταις

01\* 2426\*

1/2-f2 συν τοις μαθηταις

595

1/2-f3 συν τοις μαθηταις

851	1640						
1/2-f4	συν τοις μαθητοις						
2444							
1/2-f5	συν του μαθηταις						
126*							
1/2-f6	συν εις τοις μαθηταις						
1671c							
3	και οι μαθηται						
668							
W1/3	[συν τοις] μαθη[ταις]						
P66	1182						
Z	DEF						
P52	P59	P90	P108	05s	011s	087	0109
0290	27s	179s	246	274s	370	374	472
475s	649	731	731s	770	779	800	892
947	1041	1343s	1541	1571s	1633	1803	2177
2282	2287	2290s	2369	2398	2399	2418	2437
2517	2526	2529	2535	2636	2650	2676	2679s
2725	2727	2779	2782	2794	2908		
=====							
■ 7	18, 1/16						
							συν τοις μαθηταις αυτου περαν του χειμαρρου
1/2	αυτου						
204c	1504c1						
3	OM						
204*	817	827	1128	1504*	2621		
Z	DEF						
P52	P59	P90	P108	05s	011s	087	0109

0290	27s	179s	246	274s	370	374	472
475s	649	731	731s	770	779	800	888
892	947	1041	1343s	1541	1571s	1633	1803
2177	2282	2287	2290s	2369	2398	2399	2418
2437	2517	2526	2529	2535	2636	2650	2676
2679s	2725	2727	2779	2782	2794	2908	

■ 8 18,1/18-48

περαν ... και οι μαθηται αυτου

1/2 περαν ... αυτου

1808c

3 OM

1808\*

Z DEF

P52	P59	P90	P108	05s	011s	087	0109
0290	27s	179s	246	274s	370	374	472
475s	649	731	731s	770	779	800	888
892	947	1041	1343s	1541	1571s	1633	1803
2177	2282	2287	2290s	2369	2398	2399	2418
2437	2517	2526	2529	2535	2636	2650	2676
2679s	2725	2727	2779	2782	2794	2908	

■ 9 18,1/18-20

συν τοις μαθηταις αυτου  
περαν του  
χειμαρρου

1/2 περαν του

741c\* 1808c

1/2-f1 περα του

148 900 1001 1114 1135 1664

1/2-f2 περαν των

447

3 OM

741*	1229						
Z	DEF						
P52	P59	P66	P90	P108	05s	011s	087
0109	0290	27s	179s	246	274s	370	374
472	475s	649	731	731s	770	779	800
888	892	947	1041	1343s	1541	1571s	1633
1803	1808*	2177	2282	2287	2290s	2369	2398
2399	2418	2437	2517	2526	2529	2535	2636
2650	2676	2679s	2725	2727	2779	2782	2794
2908							
=====							

■ 10	18, 1/22	περαν του χειμαρρου του κεδρων					
1/2	χειμαρρου						
1808c	2247c						
1/2-f1	χειμαρρους						
1335							
1/2-f2	χεινμαρρου						
365							
1/2-f3	χειμαρρυ						
2247*							
3	χειμαρρουν						
44	68	679	706	792	827	1316	1319
1353	1415	2185	2278	2478	2605	2643	
Z	DEF						
P52	P90	P108	05s	011s	087	0109	0290
27s	179s	246	274s	370	374	472	475s
649	731	731s	770	779	800	888	892
904	947	1041	1143	1343s	1541	1571s	1633
1712	1803	1808*	2177	2282	2287	2290s	2369
2398	2399	2418	2437	2517	2526	2529	2535

2636	2650	2676	2679s	2725	2727	2779	2782
2794	2908						
=====							
■ 11	18, 1/24-26		περαν του χειμαρρου του κεδρων οπου ην κηπος				
1	των κεδρων						
01Cca 1808c	61c 2714*	138c	368c	685c	760c*	834c	1627c
1-f1	τω κεδρων						
2756							
1-f2	των κευρων						
760*							
2	του κεδρων						
02 405 1668	028 584 2415	037 656 2717	045 798 2754	96 861 2900	123 886	271 1303	277 1421
3	κεδρων						
2737							
4	του κεδρου						
01*	05	032	393	2758s			
5	των κενδρων						
47 200 368* 790 982 1272 1651 2206 2603	52 205 377 834* 1062 1313 1653 2304 2608	56 287 388 841 1128 1319 1697 2430 2649	58 290 389 875 1132 1325 1700 2452 2656	61* 296 481 902 1135 1353 1797 2494 2695	76 344s 494 903 1211 1597 1823 2530 2714c	138* 350 685* 941 1234 1617 2118 2533 2810	194 359 772 962 1250 1627* 2188 2591
6	των δενδρων						

263	284	492	505	1431	1479	1567	2897
W1/2/3	[των] κεδρων						
904	1143	2470					
W1/5/6	των [κεδ]ρων						
1182							
W1/2/5/6	[των κε]δρων						
P60	2185						
W1/5	των κε[2]ρων						
796							
Z	DEF						
P52	P59	P66	P90	P108	05s	011s	087
0109	0290	27s	179s	246	274s	370	374
472	475s	649	731	731s	770	779	800
888	892	947	1041	1343s	1541	1571s	1633
1712	1803	1808*	2177	2282	2287	2290s	2369
2398	2399	2418	2437	2517	2526	2529	2535
2636	2650	2676	2679s	2725	2727	2779	2782
2794	2908						
=====							
■ 12	18, 1/28-32		του κεδρων οπου ην κηπος εις ον εισηλθεν αυτος				
1/2	οπου ην κηπος						
165c	1567c*	1577c	1808c				
1/2-f1	που ην κηπος						
892s							
1/2-f2	οπου ην κη						
2521							
1/2-f3	οπου ην κ[1-2]πος						

165*							
3	οπου κηπος						
1269							
4	ην κηπος						
820c							
w-f	OM						
359	537	820*	1377	1567*	1577*	2487	
w1/3	οπο[υ ην κηπος]						
P59							
Z	DEF						
P52	P66	P90	P108	05s	011s	087	0109
0290	27s	179s	246	274s	370	374	472
475s	649	731	731s	770	779	800	888
892	904	947	1041	1119	1207	1343s	1541
1571s	1633	1803	1808*	2177	2282	2287	2290s
2369	2398	2399	2418	2437	2517	2526	2529
2535	2636	2650	2676	2679s	2725	2727	2779
2782	2794	2908					
=====							
■	18, 1/34-38	οπου ην κηπος εις ον εισηλθεν αυτος και οι μαθηται αυτου					
1/2	εις ον εισηλθεν						
2766c							
1/2-f1	ει ον εισηλθεν						
2711							
1/2-f2	εις ος εισηλθεν						
1073	1555						
1/2-f3	ειπον εισηλθεν						

2766\*

1/2-f4 OM

1780

=====

■ 13 18, 1/38 εις ον  
εισηλθεν  
αυτος και οι μαθηται αυτου

1/2 εισηλθεν

476\* 530\* 743\* 1781c 1808c 2509\*

1/2-f1 σηλθεν

2497

1/2-f2 εσηλθεν

279

1/2-f3 ειςυθεν

1265

3 εισηλθον

07	034	2	21	22	134	151	227
229	260	281	324	343	351	403	405
461	473	476c	507	509	514	530c	550
584	668	716	743c	765	777	778	831
851	852	873	874	1056	1080	1081	1083
1135	1172s	1210	1266	1289	1295	1296	1317
1341	1352	1392	1458	1470	1545	1581	1603
1672	1781*	1800	2097	2142	2147	2224	2244
2297	2304	2430	2509c	2522	2550	2680	2768
2907							

4 εξηλθεν

579s

5 εισεληλυθεν

032



6	συνηλθεν						
86	569	1014	1170	1413	1663		
W1/2/3	ειση[λ]θ[εν]						
P59							
Z	DEF						
P52	P90	P108	04	05s	011s	087	0109
0290	27s	179s	246	274s	370	374	472
475s	649	731	731s	770	779	800	892
947	1041	1343s	1541	1571s	1633	1780	1803
1808*	2177	2282	2287	2290s	2369	2398	2399
2418	2437	2517	2526	2529	2535	2636	2650
2676	2679s	2725	2727	2779	2782	2794	2908

=====

■ 14 18, 1/40 εις ον εισηλθεν  
αυτος  
και οι μαθηται αυτου

1/2 αυτος

1781c 1808c

1/2-f1 αυτος αυτος

225

1/2-f2 αυτοις

168 514

3 ο ιησους

1148

4 OM

1781\*

Z DEF

P52	P59	P60	P66	P90	P108	04	05s
011s	087	0109	0290	27s	179s	246	274s

370	374	472	475s	649	731	731s	768
770	779	800	892	904	947	1041	1343s
1541	1571s	1633	1803	1808*	2177	2282	2287
2290s	2369	2398	2399	2418	2437	2517	2526
2529	2535	2636	2650	2676	2679s	2725	2727
2779	2782	2794	2908				

■ 15 18, 1/44 εις ον εισηλθεν αυτος και  
οι  
μαθηται αυτου

1/2 οι

1808c

3 OM

2314

Z DEF

P52	P59	P60	P66	P90	P108	05s	011s
087	0109	0290	27s	179s	246	274s	370
374	472	475s	649	731	731s	770	779
800	892	947	1009	1041	1343s	1541	1571s
1633	1712	1803	1808*	2177	2282	2287	2290s
2369	2398	2399	2418	2437	2470	2517	2526
2529	2535	2636	2650	2676	2679s	2725	2726
2727	2779	2782	2794	2908			

■ 18, 1/48 αυτος και οι μαθηται  
αυτου

1/2-f1 αυτων

1048 1338

1/2-f2 αυτου τον

209

■ 16 18, 2/2-36

18:2

3	OM						
1021	1820	2238					
Z	DEF						
P52	P90	05s	011s	087	0109	0290	27s
179s	246	274s	370	475s	649	731	731s
779	800	892	947	1041	1343s	1571s	1633
1803	2177	2398	2399	2418	2437	2517	2526
2529	2535	2650	2676	2679s	2725	2727	2779
2782	2794	2908					

=====

■	18, 2/2						
	ηιδει δε και Ιουδας						
1/2	ηιδει						
106*	2684*						
1/2-o	ηιδει						
95	106c	164	444	486	547	661	776
809	944	1049	1163	1164	1438	1483	1486
1520	2145	2191	2760				
1/2-f1	ηνιδει						
038							
1/2-f2	ηδειν						
365							
1/2-f3	εδει						
368	374	379	861	2684c			
1/2-f4	δει						
538*	538c	892s	1547	2388			
1/2-f5	ει						
1084							
1/2-f6	διαθηκης ηδη						

1136

=====

■ 17 18, 2/4 ηιδει  
δε  
και Ιουδασ

1/2 δε

289c 1333c 2176c 2396c 2524c\*

1/2-f1 δε ου

2422

3 OM

011 65 124 289\* 903 1121 1239 1333\*  
1480 2148 2176\* 2396\*

Z DEF

P52 P59 P90 P108 05s 011s 087 0109  
0290 27s 179s 246 274s 280 370 472  
475s 565 649 731 731s 779 800 892  
947 1021 1041 1343s 1571s 1633 1803 1820  
2177 2238 2287 2290s 2369 2398 2399 2418  
2437 2517 2524\* 2526 2529 2535 2636 2650  
2676 2679s 2725 2726 2727 2779 2782 2794  
2908

=====

■ 18, 2/6-28 ηιδει δε  
και ... Ιησους εκει  
μετα των μαθητων

1/2 και ιουδας ο παραδιδους αυτον τον τοπον οτι πολλακις συνηχθη ο ιησους  
εκει

1261c

V OM

1261\*

=====

■ 18 18, 2/6 ηιδει δε  
και  
Ιουδας ο παραδιδους

1/2 και

1261c 1303c\*

1/2-f1 αι

152 555

3 OM

187 192 445 1060 1303\* 1642 1802

Z DEF

P52	P66	P90	P108	05s	011s	087	0109
0290	27s	179s	246	274s	370	472	475s
649	731	731s	779	800	892	947	1021
1041	1119	1261*	1343s	1421	1571s	1633	1803
1820	2177	2238	2282	2287	2290s	2369	2398
2399	2418	2437	2517	2526	2529	2535	2636
2650	2676	2679s	2725	2727	2779	2782	2794
2908							

=====

■ 19 18, 2/8 ηιδει δε και  
Ιουδας  
ο παραδιδους

1/2 ιουδας

1261c 1619c 2311c\*

1/2-f1 ουδας

976

1/2-f2 ιουουδας

144s

3 ο ιουδας

403 1122 1589 1619\* 2394

3-f1 ο ουδας

2311\*

3-f2 ο ιουδας

1335

Z DEF

P52	P66	P90	P108	05s	011s	087	0109
0290	27s	179s	246	274s	370	472	475s
649	731	731s	779	800	892	904	947
1021	1041	1261*	1343s	1571s	1633	1803	1820
2177	2238	2282	2287	2290s	2369	2398	2399
2418	2437	2517	2526	2529	2535	2636	2650
2676	2679s	2725	2726	2727	2779	2782	2794
2908							

=====

■ 18,2/10-3/6  
ο παραδιδους ... ο ουν Ιουδας

U OM

496

=====

■ 20 18,2/10-18 Ιουδας  
ο παραδιδους αυτον τον τοπον  
οτι πολλακις συνηχθη

1/2 ο παραδιδους αυτον τον τοπον

124c	279c	349c	413c	523c	679c	1113c	1261c
1268c	1269c	1424c	2265c	2404c	2420c1	2426c	

1/2-f1 ο ο παραδιδους αυτον τον τοπον

1651

1/2-f2 ο παραιδους αυτον τον τοπον

1485

1/2-f3 ο παραιδιδους αυτον τον τοπον

435s

1/2-f4	ο παραδιδους αυτον το τοπον						
1269*							
1/2-f5	ο παραδιδους αυτον τον πον						
36	279*	523*	1335				
1/2-f6	ο παραδοδους αυτον τον τοπον						
124*							
1/2-f7	ο παραδιδους αυτω τον τοπον						
134							
1/2-f8	ο παραδιδους αυτου τον τοπον						
1377							
3	παραδιδους αυτον τον τοπον						
514	1406						
4	ο παραδιδων αυτον τον τοπον						
05							
5	ο παραδιδους τον τοπον						
2643							
6	ο παραδιδους αυτον τοπον						
245	284	349*	413*	445	471	534	579s
679*	714	717	752	820	982	990	1113*
1137	1233	1268*	1315	1331	1573	1593	1606
1671	2265*	2404*	2420*	2426*	2452	2523	2563
7	ο παραδιδους αυτον εις τον τοπον						
163	1125						
8	τον τοπον ο παραδιδους αυτον						
273s	792	2620					

1424\*

W1/2/4      ο [παραδιδους] αυτον τον [τοπον]

P59

W1/2/3/4                    [ο παρα]διδ[ου]ς αυτο[ν τον τοπο]ν

P60

W1/2/3/4                      [8-17] τον τ[οπον]

P66

W1-8            [ο παρα]διδο[υς αυτον τον τοπον]

P108

Z DEF

P52	P90	05s	011s	087	0109	0290	27s
179s	246	274s	370	472	475s	496	649
731	731s	779	800	888	892	904	947
1021	1041	1119	1207	1261*	1343s	1571s	1633
1712	1803	1820	2177	2185	2238	2282	2287
2290	2290s	2369	2398	2399	2418	2437	2470
2517	2526	2529	2535	2636	2650	2676	2679s
2725	2727	2779	2782	2794	2908		

21 18, 2/20 τον τοπον  
οτι  
πολλακις συνηχθη

1/2                    0.1

1261c

1/2-f1      οτι και αυτος

2487

3 ΟΠΟΥ

903



W1/2/3 ο

431

Z DEF

P52	P59	P66	P90	P108	05s	011s	087
0109	0290	27s	179s	246	274s	280	370
475s	496	649	731	731s	779	800	888
892	947	1021	1041	1207	1261*	1293	1343s
1558	1571s	1633	1712	1803	1820	2177	2238
2282	2287	2290	2369	2398	2399	2418	2437
2517	2526	2529	2535	2650	2676	2679s	2725
2726	2727	2779	2782	2794	2908		

■ 18, 2/22 οτι  
πολλακις  
συνηχθη

1/2 πολλακις

1261c

1/2-f πολλα εκει

168

W πο[λλακις]

904

■ 22 18, 2/24-36 πολλακις  
συνηχθη Ιησους εκει μετα των μαθητων αυτου

1 συνηχθη ο ιησους εκει μετα των μαθητων αυτου

29c1	78*	151c	416c	423*	527c	660c	746c
951*	1139c	1144c	1214c	1215c	1261c	1302c*	1391c
1509c	1514c	1534c	1627c	1790c	2098c	2229*	2247c
2252c	2396c	2766c					

1-f1 συνηθη ο ιησους εκει μετα των μαθητων αυτου

423c\*

1-f2	συνηχθη ο ιησους εκει μετα τω μαθητων αυτου							
2497								
1-f3	συνηχθη ο ιησους εκει μετα των μαθητων αυτων							
1139*								
1-f4	συνηχθη ο ιησους εκει μετα των αυτου							
1627*								
2	συνηχθη ιησους εκει μετα των μαθητων αυτου							
01	019	033	865	2591				
3	ηυλισθη ο ιησους εκει μετα των μαθητων αυτου							
1084								
4	συνηχθη ιησους εκει μετα των μαθητων							
798								
5	συνηχθη ο ιησους εκει μετα των μαθητων							
168	582	1230						
6	συνηχθη ιησους μετα των μαθητων αυτου εκει							
03								
7	συνηχθη ο ιησους μετα των μαθητων αυτου εκει							
1035	1326	1645	2148	2530				
8	συνηχθη ο ιησους συν τοις μαθηταις αυτου εκει							
544								
9	συνηχθη εκει ο ιησους μετα των μαθητων αυτου							
05	228	512	579s	741	855	976	1065	
1068	1590	2106	2718					
10	συνηχθη εκει μετα των μαθητων αυτου							
343	716	1229	1697	2487	2549			

11 ο ιησους συνηχθη εκει μετα των μαθητων αυτου

79

12 εκει συνηχθη ο ιησους μετα των μαθητων αυτου

290 1577

13 συνηχθη και ο ιησους εκει μετα των μαθητων αυτου

07	011	021	028	031s	036	037c*	045
047	054	2	4	5	7	9	11
14	15	16	19	21	22	23	24
26	27	28	30	31	32	36	43
45	46	49	52	53	54	57	59
60	63	64	65	70	71	72	73
75	76	77	78c	80	86	98	107
108	109	111	116	119	120	123	125
129	133	134	135	140	143	144s	148
149	151*	152	153	156	160	162	163
165	166c	178	179	182	183	184	185
186	187	188	190	191	193	198	199
200	207	211	212	217	218	219	225
229	230	232	259	264	266	267	271
272	274	277	280	281	282	286	287
293	295	329	330	332	342	347	348
350	351	353	355	358	360	364	368
373	374	391	396	399	403	405	406
408	409	411	413	416*	419	422	435s
438	439	440	445	446	447	448	449
461	471	472	473	475	477	478	492
493	494	495	497	500	504	505	513
516	518	519	524	527*	528	529	530
533	538	548	549	550	551	555	556
558	560	562	563	564	568	569	573
577	578	580	584	587	588	592	595
650	653	654	655	656	662	663	677
683	686	688	690	698	707	708	710
711	713	714	715	717	718	728	745
747	748	750	752	764	765	766	770
775	777	778	783	785	786	795	809
823	827	829	831	843	844	851	861
871	875	877	880	892s	896	901	902
903	905	906	925	927	933	934	937
944	951c	952	965	969c	972	973	977
988	989	997	1000	1007	1010	1012	1013
1026	1032	1033	1034	1053	1058	1060	1063
1073	1074	1077	1080	1081	1082	1083	1085

1087	1090	1094	1110	1114	1120	1122	1123
1125	1127	1142	1144*	1148	1149	1155	1157
1163	1167	1170	1172s	1179	1186	1190	1191
1192	1193	1197	1201	1203	1204	1205	1210
1211	1212	1213	1214*	1215*	1216	1222	1223
1225	1226	1228	1232	1233	1238	1240	1243
1266	1269	1285	1288	1291	1293	1294	1295
1297	1299	1301	1314	1322	1324	1333	1338
1341	1343	1344	1346	1349	1353	1357	1364
1367	1373	1393	1395	1409	1410	1413	1415
1416	1418	1422	1425	1431	1432	1434	1438
1439	1440	1443	1444	1446	1449	1452	1454
1457	1458	1459	1464	1467	1470	1471	1473
1474	1475	1478s	1479	1481	1485	1491	1494
1495	1509*	1511	1514*	1519	1528	1531	1535
1538	1539	1540	1555	1556	1563	1564	1566
1567	1569	1570	1573	1574	1575	1579	1588
1592	1595	1597	1598	1624	1632	1642	1647
1651	1660	1664	1665	1668	1671	1672	1673
1685	1687	1693	1703	1709	1780	1781	1788
1789	1790*	1800	1804	1808	1966	2098*	2112
2118	2121	2127	2135	2139	2142	2172	2173
2174	2176	2178	2181	2182	2195	2200	2201
2213	2215	2217	2220	2229c1	2245	2247*	2263
2277	2283	2284	2291	2297	2304	2307	2314
2316	2317	2354	2356	2371	2381	2386	2387
2389	2396*	2406	2414	2415	2420	2442	2451
2458	2465	2474	2482	2499	2500	2502	2507
2509	2514	2515	2522	2545	2546	2555	2562
2563	2571	2586	2592	2603	2604	2605	2606
2608	2611	2612	2615	2616	2620	2624	2633
2634	2637	2649	2656	2658	2660	2666	2686
2693s	2695	2702	2709	2711	2721	2724	2732
2747c	2750	2754	2757	2760	2768	2773	2812
2813	2863	2868	2884	2897	2907		

13-f1           συνηχθη ο και ιησους εκει μετα των μαθητων αυτου

263

13-f2           συνεχθη και ο ιησους εκει μετα των μαθητων αυτου

037\*

13-f3           συνηχθη και ο ιησους εκει μετα των μαθητων μαθητων αυτου

117

13-f4           συνηχθη [3] ο ιησους εκει μετα των μαθητων αυτου

746*							
13-f5	συνηχθη και ο ιησους εκει μετα των αυτου						
166*	2747*	2900					
13-f6	συνη[1]χθη και ο ιησους εκει μετα των μαθητων αυτου						
1310							
13-f7	συνηχθη και ο ιησους εκει μετα των μαθητων αυτων						
292							
13B	συνηλθη και ο ιησους εκει μετα των μαθητων αυτου						
1403							
13C	συνηχθη [1]ω ο ιησους εκει μετα των μαθητων αυτου						
1391*							
14	συνηχθη και ιησους εκει μετα των μαθητων αυτου						
039 2691	34	194	262	301	1187	1350	1691
15	συνηχθη και ο ιησους μετα των μαθητων αυτου						
38	40	682c	969*	1166	1542		
16	συνηχθη ο ιησους μετα των μαθητων αυτου						
29*	169	270	660*	682*	857	1011	1113
1302*	1428	1534*	1654	1819	2252*	2446	2470
2478							
17	συνηχθη ο ιησους κατα των μαθητων αυτου						
2129							
18	συνηχθη ιησους μετ αυτων μαθητων αυτου						
2766*							
19	συνηχθη ο ιησους και οι μαθηται αυτου						
2206							

20 συνηχθη ο ιησους

1182

W σ[υνηχθη ο ις] εκι μετα τω[ν μαθητων] α[υ]το[υ]

P59

W συνηχθ[η ιησους εκει μετα των μα]θητων

P66\*

W συνηχθ[η ιησους εκει μετα των μα]θητων αυτ[ου]

P66c\*

W συν[ηχθη ο ιησους εκει μετα των] μαθη[των αυτου]

P108

W μετα των μαθητων αυτου

1261\*

Z DEF

P52	P60	P90	05s	011s	013	087	0109
0290	27s	179s	246	274s	370	475s	496
546	649	731	731s	779	781	800	888
892	904	947	1021	1041	1119	1137	1143
1207	1343s	1421	1571s	1633	1712	1803	1820
2177	2238	2282	2290	2369	2398	2399	2418
2437	2517	2526	2529	2535	2650	2676	2679s
2725	2727	2779	2782	2794	2894	2908	

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■ 23 18, 3/2-6

ο ουν Ιουδας  
λαβων την σπειραν

1/2 ο ουν ιουδας

154c 276c 1059c 2693sc

1/2-f1 ουν ιουδας

209 1114 1214 2185 2693s\*

1/2-f2 ο ουν ο ιουδας

168

1/2-f3 ι ουν ιουδας

1515

1/2-f4 η ουν ιουδας

59

1/2-f5 ο ουν ιουας

16 276\*

1/2-f6 ο ουν ιουδας

1585

1/2-f7 ο ουν αυτου ιουδας

1059\*

3 ιουδας ουν

733 1784s 2713

4 ο ιουδας

154\* 884

5 ο δε ιουδας

271

Z DEF

P52	P59	P60	P66	P90	P108	05s	011s
013	087	0109	0290	27s	179s	246	274s
370	375	475s	496	649	731	779	781
800	892	904	947	1041	1343s	1571s	1633
1712	1803	2177	2290	2398	2399	2418	2437
2517	2526	2529	2535	2650	2676	2679s	2725
2727	2779	2782	2794	2905	2908		

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<div></div>	24	18, 3/8		Ιουδας λαβων την σπειραν				
1/2	λαβων							
1059c	2561c	2684c						
1/2-f1	λαβειν							
1335								
1/2-f2	λαβων βων							
1059*								
3	παραλαβων							
022	1	138	357	377	565	807	884	
994	1074	1582	1819	1820	2129	2561*	2575	
2684*	2702	2717						
Z	DEF							
P52	P59	P60	P66	P90	05s	011s	013	
087	0109	0290	27	179s	246	274s	295	
370	375	475s	649	731	779	781	800	
892	947	1009	1041	1143	1343s	1571s	1633	
1712	1803	2177	2282	2290	2398	2399	2418	
2437	2517	2526	2529	2535	2650	2676	2679s	
2725	2727	2779	2782	2794	2905	2908		

■	25	18, 3/9	Ιουδας λαβων SINE ADD την σπειραν					
3	ADD ολην							
	13	69	346	543	788	826	828	1689
Z	DEF							
	P52	P59	P60	P66	P90	05s	011s	013
	087	0109	0290	27	179s	246	274s	370
	475s	649	731	779	781	800	892	947
	1009	1041	1143	1343s	1571s	1633	1803	2177
	2282	2290	2398	2399	2418	2437	2517	2526



2529	2535	2650	2676	2679s	2725	2727	2779
2782	2794	2905	2908				

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■	18, 3/10	λαβων την σπειραν
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1/2	την
-----	-----

1792c

1/2-f1	την την
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1792\*

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■	18, 3/12	λαβων την σπειραν
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1/2	σπειραν
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431*	475c
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1/2-f1	πειραν
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1247	1646
------	------

1/2-f2	σπειρα
--------	--------

683	2374
-----	------

1/2-f3	σπιρα[v]
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P66

1/2-f4	σπεραν
--------	--------

431c

1/2-f5	σειραν
--------	--------

30

1/2-f6	σπευραν
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475\*

1/2-f7 σπειραν λαβων την σπειραν

1673

■ 26 18, 3/14 λαβων την σπειραν  
και  
εκ των αρχιερεων

1/2 και

248c 1555\*

3 OM

248\* 389 1044 1305 1335 1555c 2370 2452  
2475

Z DEF

P52	P59	P60	P90	P108	05s	011s	013
087	0109	0290	27	27s	179s	246	274s
370	475s	649	731	779	781	800	892
947	1041	1143	1343s	1571s	1633	1803	2177
2290	2399	2418	2437	2517	2526	2529	2535
2650	2676	2679s	2725	2727	2779	2782	2794
2905	2908						

■ 27 18, 3/16-30 λαβων την σπειραν και  
εκ των αρχιερεων και εκ των Φαρισαιων υπηρετας  
ερχεται εκει

1 εκ των αρχιερεων και φαρισαιων υπηρετας

01Cca 19c 125c 507c\* 1301c 1331c

1-f1 εκ των αρχιερεων και φαρισαιων υπηρετας

2900

1-f2 εκ των αρχιερεων και φαρισαιων υπηρετας

96 368

1-f3 εκ των αρχιερεων και φαρισαιων υπηρετας

798

1-f4	εκ των αρχιερεων και φαρισαιων υπηρετας							
047								
1-f5	εκ των αρχιερεων κα φαρισαιων υπηρετας							
1								
1-f6	εκ των αρχιερεων φαρισαιων υπηρετας							
507*								
1-f7	εκ των αρχιερεων και φαρισαι υπηρετας							
125*								
1-f8	εκ των αρχιερεων και φαρισαιων και υπηρετας							
495								
1-f9	εκ των αρχιερεων και φαρισαιων υπερετας							
1331*								
1-f10	εκ των αρχιερεων και φαρισαιων υπηρετας υπηρετας							
1301*								
2	εκ των αρχιερεων και εκ των φαρισαιων υπηρετας							
01*	01Ccb	05	019	579s	1353			
3	εκ των αρχιερεων και των φαρισαιων υπηρετας							
03	0141	821	2192					
4	των αρχιερεων και φαρισαιων υπηρετας							
71	86	446	569	1170	1213	1413	1531	
1663	2291	2387	2482	2813				
4B	των αρχιερεων και των φαρισαιων υπηρετας							
1458								
5	εκ των [3] αρχιερεων και φαρισαιων υπηρετας							
19*								

6	εκ των αρχιερεων και πρεσβυτερων υπηρετας						
833	1431	1593					
7	εκ των αρχιερεων και γραμματεων υπηρετας						
118s							
8	εκ των αρχιερεων υπηρετας και φαρισαιων υπηρετας						
519*	519c						
9	εκ των αρχιερεων υπηρετας						
164	264						
10	εκ των φαρισαιων και αρχιερεων υπηρετας						
159	976	1029	1319	1626	1797	2705	
11	εκ των φαρισαιων και γραμματαιων και υπηρετας						
2766							
12	εκ των φαρισαιων υπηρετας						
169	1288						
13	εκ των αρχιερεων και φαρισαιων και υπηρετων						
732							
14	εκ των πρεσβυτερων και φαρισαιων υπηρετας						
744							
15	εκ των αρχοντων και φαρισαιων τινας υπηρετας						
544							
16	παρα των αρχιερεων και φαρισαιων υπηρετας						
2281							
17	ΟΜ						
784							

Z	DEF						
P52	P59	P60	P66	P90	P108	05s	011s
013	087	0109	0290	27	179s	246	274s
280	370	475s	649	731	779	781	800
892	947	1041	1143	1343s	1571s	1633	1712
1803	2177	2282	2290	2399	2418	2437	2470
2517	2526	2529	2535	2650	2676	2679s	2725
2726	2727	2779	2782	2794	2905	2908	
=====							

■ 18, 3/30-38 εκ των Φαρισαίων  
υπηρετας ερχεται εκει μετα φανων  
και λαμπαδων

V	OM
771	
<hr/>	

■ 28 18, 3/30 εκ των Φαρισαίων  
υπηρετας  
ερχεται εκει

3 υπηρετας και  
2747

W1/2/3 υπηρετας [4]  
1506

Z	DEF						
P52	P59	P60	P66	P90	05s	011s	013
087	0109	0290	27	179s	246	274s	370
475s	649	731	771	779	781	800	888
892	947	1041	1343s	1571s	1633	1803	2177
2290	2399	2418	2437	2470	2517	2526	2529
2535	2650	2676	2679s	2725	2726	2727	2750
2779	2782	2794	2905	2908			
=====							

■	18, 3/32-36	υπηρετας ερχεται εκει μετα φανων και λαμπαδων					
1/2-f1	OM						
031s							
=====							
■ 29	18, 3/32	εκ των Φαρισαιων υπηρετας ερχεται εκει					
1/2	ερχεται						
61c							
1/2-f1	ερερχεται						
61*							
1/2-f2	ερχει						
1128							
3	εξερχεται						
833	949						
W-f1	OM						
1349							
Z	DEF						
P52	P59	P60	P66	P90	05s	011s	013
031s	087	0109	0290	27	179s	246	274s
280	370	475s	649	731	771	779	781
800	888	892	947	1041	1293	1343s	1571s
1633	1803	2177	2282	2290	2399	2418	2437
2470	2517	2526	2529	2535	2650	2676	2679s
2725	2726	2727	2779	2782	2794	2905	2908
=====							

■ 30 18, 3/34 ερχεται  
εκει  
μετα φανων

1/2 εκει

01Cca 1676c 2706c\*

1/2-f1 εκει σε

1267

3 OM

01\* 1438 1676\* 2656 2706\*

4 προς τον ιησουν

76 247 2118 2514

Z DEF

P52	P59	P60	P66	P90	P108	05s	011s
013	031s	087	0109	0290	27	179s	246
274s	370	475s	649	731	771	779	781
800	888	892	947	1041	1143	1343s	1571s
1633	1803	2282	2290	2399	2418	2437	2517
2526	2529	2535	2650	2676	2679s	2725	2726
2727	2779	2782	2794	2905	2908		

■ 31 18, 3/38-46 ερχεται εκει μετα  
φανων και λαμπαδων και οπλων

1/2 φανων και λαμπαδων και οπλων

368\* 408c 552c 2902c

1/2-f1 φωνων και λαμπαδων και οπλων

111 190 1142 2191 2902\*

1/2-f2 φανων η λαμπαδων και οπλων

96

1/2-f3 φανων και λαμπαδων και οπλων

408*	2530						
1/2-f4	φανων και λαμπαδων και οοπλων						
58							
1/2-f5	[OM] και λαμπαδων και οπλων						
771							
1/2B	των φανων και λαμπαδων και οπλων						
351	1071	2354					
3	φωτων και λαμπαδων και οπλων						
368c							
4	φανων και οπλων και λαμπαδων						
552*	563						
5	φανων και λαμπαδων και οχλων						
126	700	1693	2523				
6	φανων και λαμπαδων						
786							
7	φανων και οπλων						
1054s							
8	λαμπαδων και φανων και οπλων						
022	154	303	306	315	331	428	520
523	684	720	723	727	729	731s	733
734	736	742	749	772	817	819	834
835	855	856	857	858	881	886	889
949	993	1021	1043	1160	1182	1252	1256
1261	1262	1265	1302	1336	1387	1506	1533
1534	1536	1613	1677	2148	2185	2188	2206
2214	2490	2623	2735				
8-f1	και λαμπαδων και φανων και οπλων						
854							



8-f2 λαμπαδων και φανων και και οπλων

281 741

8-f3 λαμ[παδων] και φανων [και οπλων]

2470

9 λαμπαδων και οπλων και φανων

744 833

Z DEF

P52	P59	P60	P66	P90	P108	05s	011s
013	087	0109	0290	27	179s	246	248
274s	280	370	475s	649	731	779	781
800	888	892	904	947	1041	1143	1293
1343s	1571s	1633	1712	1803	2290	2399	2418
2437	2517	2526	2529	2535	2650	2676	2679s
2725	2726	2727	2779	2782	2794	2905	2908

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■ 18, 4/2-6

Ιησους ουν ειδως  
παντα τα ερχομενα

1-f1 ειδως

365\*

3 ειδως δε ο ις

365c

=====

■ 32 18, 4/2-4

Ιησους ουν  
ειδως παντα τα ερχομενα

1/2 ιησους ουν

276c

1/2-f1 ο ιησους ουν

548 1336 1451

1/2-f2	η ιησους ουν						
2645							
1/2-f3	ς ουν						
276*	892s	1331					
1/2-f4	[1]ς ουν						
743							
1/2-f5	ως ουν						
357							
1/2-f6	ο ουν						
1239							
3	ιησους						
225	579s	1082	1354				
4	ιησους δε						
P108	01	05	019	032	033	1	33
205	213	565	865	1071	1321	1582	1784s
2561	2702	2713	2886				
5	ο δε ιησους						
13	69	124	346	543	788	826	828
1689	2786						
6	{ειδως} δε ο ιησους						
365c							
7	ο ουν ιησους						
968							
W-f1	OM						
365*							
Z	DEF						

P52	P59	P66	P90	05s	011s	013	087
0109	0290	27	179s	246	248	274s	332
370	475s	649	731	779	781	800	836
892	947	1343s	1571s	1633	1712	1803	2290
2399	2418	2470	2517	2526	2529	2535	2650
2676	2679s	2725	2726	2727	2779	2782	2794
2905	2908						

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■ 33 18, 4/6-16 Ιησους ουν  
ειδως παντα τα ερχομενα επ αυτον  
εξηλθεν και λεγει

3 OM

1377

Z DEF

P52	P59	P90	05s	011s	013	087	0109
0290	27	179s	246	274s	370	475s	649
731	779	781	800	836	892	947	1343s
1571s	1633	1803	2290	2399	2418	2517	2526
2529	2535	2650	2676	2679s	2725	2726	2727
2782	2794	2905	2908				

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■ 34 18, 4/6 Ιησους ουν  
ειδως  
παντα τα ερχομενα

1/2 ειδως

368c 554c 2715c

1/2-f1 ειδως ειδως

2422

1/2-f2 δως

2715\*

3 ιδων

05	044	0141	13	69	70	90*	
90c1							
117	124	157	213	266	301	343	352

368*	373	375	391	528	529	543	554*
716	744	775	788	794	817	821	826
828	833	875	974	1006	1239	1295	1301
1353	1370	1418	1595	1654	1684	1689	2192
2487	2660	2718	2757	2810	2884		
4	γνους						
798	2223	2680					
W-f1	OM						
346							
Z	DEF						
P52	P59	P66	P90	05s	011s	013	087
0109	0290	27	179s	246	248	274s	370
475s	649	731	779	781	800	836	892
947	1343s	1377	1421	1558	1571s	1633	1803
2282	2290	2399	2418	2470	2517	2526	2529
2535	2650	2676	2679s	2725	2726	2727	2779
2782	2794	2905	2908				
=====							
■ 35	18, 4/8-12		Ιησους ουν ειδως παντα τα ερχομενα επ αυτον				
1/2	παντα τα ερχομενα						
648c	746c	994*	1603c	2315c	2661c	2766c	
1/2-f1	παντας τα ερχομενα						
017							
1/2B	παντα ταυτα ερχομενα						
290	1515						
1/2C	παντα ερχομενα						
054	13	1179	2645	2766*			
3	παντα τα επερχομενα						
037	4	19	24	28	32	34	36
40	46	51	52	54	63	77	108

149	154	156	169	178	180	186	194
231	269	275	279	282	303	306	315
353	355	391	392	397	409	428	435 <sub>s</sub>
502	508	518	523	524	558	580	591
648*	651	661	684	703	708	723	725
729	732	733	734	736	741	742	743
744	746*	747	749	755	770	772	785
798	817	818	819	820	834	835	841
854	855	856	857	858	862	874	878
881	883	886	888	889	891	904	905
948	954	989	993	994 <sub>c</sub>	997	998	1004
1021	1043	1071	1078	1087	1160	1173	1182
1215	1240	1252	1256	1261	1262	1263	1265
1291	1302	1336	1344	1350	1364	1385	1387
1395	1402	1422	1424	1434	1443	1453	1512
1533	1534	1536	1549	1555	1556	1574	1580
1592	1603*	1613	1639	1641	1646	1653	1663
1675	1677	1684	1689	1701	1707	2146	2148
2188	2192	2201	2206	2214	2277	2315*	2398
2414	2451	2452	2470	2482	2499	2573	2575
2661*	2679	2680	2718	2735	2812	2897	
3-f1	παντα τα επερχομενα						
168							
3-f2	παντα τα απερχομενα						
1081							
3B	παντα επερχομενα						
39							
4	παντα						
2185							
5	τα ερχομενα						
294							
W1/2/3	[πα]ντα τ[α ερχομενα]						
P66							
Z	DEF						
P52	P59	P60	P90	P108	05 <sub>s</sub>	011 <sub>s</sub>	013

087	0109	0290	27	125	179s	246	248
274s	370	475s	649	731	779	781	800
836	892	947	1143	1293	1343s	1377	1571s
1633	1803	2290	2399	2418	2517	2526	2529
2535	2650	2676	2679s	2725	2726	2727	2779
2782	2794	2905	2908				

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■ 18, 4/12 παντα τα ερχομενα  
SINE ADD

1/2-f ADD τελευτη τω παραδοθησα μοι κρισει

2129

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■ 36 18, 4/14-16 παντα τα ερχομενα  
επ αυτον  
εξηλθεν και λεγει αυτοις τινα ζητειτε

1/2 επ αυτον

948c 2172\*

1/2-f1 επ αυτον

1

1/2-f2 επ

2172c

1/2B επ αυτω

2643

1/2C επ αυτοις

653

3 εις αυτον

165 1446 2311 2612

4 προς αυτον

652 1511 1546 1695

5 αυτον

948*							
5B	αυτω						
2615							
6	OM						
841							
Z	DEF						
P52	P59	P60	P66	P90	05s	011s	013
087	0109	0290	27	179s	246	248	274s
370	475s	649	731	779	781	800	836
892	947	1293	1343s	1377	1558	1571s	1633
1803	2185	2282	2290	2399	2418	2517	2526
2529	2535	2650	2676	2679s	2725	2726	2727
2782	2794	2905	2908				
=====							

■ 37      18, 4/18-24      επ αυτον  
    εξηλθεν και λεγει αυτοις  
    τινα ζητειτε

3      ειπεν αυτοις εξελθων  
 2148

Z	DEF						
P52	P59	P66	P90	05s	011s	013	087
0109	0290	27	179s	246	274s	370	475s
649	731	779	781	800	836	892	947
1293	1343s	1571s	1633	1803	2290	2399	2418
2517	2526	2529	2535	2650	2676	2679s	2725
2726	2727	2782	2794	2905	2908		
=====							

■ 38      18, 4/18-22      επ αυτον  
    εξηλθεν και λεγει  
    αυτοις

1      εξελθων ειπεν

04c2      030c

1-f1      εξελθων ειπεν ειπεν

1014							
1-f2	εξελθων ειπεν						
2311							
1-f3	εξηλθων ειπεν						
041	403						
1-f4	εξελθων ι ειπεν						
2525							
1-f5	εξελθων ειπον						
377							
1-f6	εξελθων ειπειν						
054							
2	εξηλθεν και λεγει						
03	04*	05	1	138	205	209	357
397	884	994	1582	1784s	1819	1820	2129
2575	2684	2702	2713	2786	2886		
3	εξελθων λεγει						
565	706	827	1050	1128	1446	1457	2620
2707							
4	και εξελθων ειπεν						
2371							
5	ελθων ειπεν						
494							
6	εξηλθεν ειπεν						
861	2590						
7	εξηλθεν και ειπεν						
96	873						



7-f1 εξελθεν και ειπεν

562

8 εξελθων και ειπε

1199

9 εξηλθεν

710

10 ειπεν

030\* 1574

11 [εξηλ]θεν εξω κ[αι λεγει]

P60

12 εξελθων εξω ειπεν

1021

Z DEF

P52	P59	P66	P90	P108	05s	011s	013
087	0109	0290	27	179s	246	248	274s
370	475s	649	731	779	781	800	836
892	947	1143	1293	1343s	1421	1571s	1599
1633	1712	1803	2148	2290	2399	2418	2470
2517	2526	2529	2535	2650	2676	2679s	2725
2726	2727	2782	2794	2905	2908		

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■ 39 18, 4/24 και λεγει  
αυτοις  
τινα ζητειτε

3 OM

2786

Z DEF

P52	P59	P60	P66	P90	05s	011s	013
087	0109	27	179s	246	274s	370	475s
649	731	779	781	800	836	888	892

947	1143	1293	1343s	1571s	1599	1633	1712
1803	2290	2399	2418	2470	2517	2526	2529
2535	2650	2676	2679s	2725	2726	2727	2782
2794	2905	2908					

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■ 40            18, 4/25            και λεγει αυτοις  
SINE ADD  
τινα ζητειτε

3            ADD οτι εγω ειμι

2711

Z            DEF

P52	P59	P66	P90	05s	011s	013	087
0109	0290	27	179s	246	274s	370	475s
649	731	779	781	800	836	888	892
947	1293	1343s	1571s	1599	1633	1712	1803
2290	2399	2418	2470	2517	2526	2529	2535
2650	2676	2679s	2725	2726	2727	2782	2794
2905	2908						

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■ 41            18, 4/26-5/14            τινα ζητειτε απεκριθησαν ... λεγει αυτοις

1/2            18·4 τινα ζητειτε 18·5 ... αυτοις ο ιησους

1250c

3            OM

1250\*

Z            DEF

P52	P59	P90	05s	011s	013	087	0109
27	179s	246	274s	370	475s	649	731
779	781	800	836	892	947	1293	1343s
1571s	1633	1803	2290	2399	2418	2517	2526
2529	2535	2650	2676	2679s	2725	2726	2727
2782	2794	2905	2908				

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■ 42 18, 4/26-28 και λεγει αυτοις  
τινα ζητειτε

1/2 τινα ζητειτε

235c\* 534c 1250c 2687c\*

1/2-f1 τιναν ζητειτε

59

1/2-f2 τι[1]να ζητειτε

113

3 τι ζητειτε

235\* 1323 1558

4 τινα θελετε

345 1646

W-f1 OM

2687\*

Z DEF

P52	P59	P66	P90	05s	011s	013	087
0109	0290	27	179s	246	248	274s	370
475s	534*	649	731	779	781	800	836
888	892	947	1250*	1293	1343s	1571s	1599
1633	1712	1803	2290	2399	2418	2470	2517
2526	2529	2535	2650	2676	2679s	2725	2726
2727	2782	2794	2905	2908			

■ 43 18, 5/2-4

απεκριθησαν αυτω  
Ιησουν τον Ναζωραιον

1/2 απεκριθησαν αυτω

07c 1250c 2615c

1/2-f1 ακριθησαν αυτω

07*								
1/2-f2	απεκριθης αυτω							
017								
1/2-f3	απεκριθη αυτω							
144s	1211							
1/2-f4	απεκριθησαν αυτω και							
284								
1/2B	απεκριθησαν αυτον							
171	303	744	792	833	1135			
1/2C	απεκριθησαν αυτοις							
1172s	1653							
3	απεκριθησαν							
500	1349	1447						
4	απεκριθησαν και ειπον αυτω							
033 2715c	213	731s	799	865	1291	1536	2680	
4-f1	απεκριθησ και ειπον αυτω							
2715*								
5	οι δε ειπον							
477	903							
5B	οι δε ειπον αυτω							
1574								
6	λεγουσιν αυτω							
2615*								
Z	DEF							

P52	P59	P60	P66	P90	05s	011s	013
087	0109	0290	27	179s	246	274s	370
475s	649	731	779	781	800	836	888
892	947	1250*	1293	1343s	1571s	1625	1633
1803	2185	2290	2399	2418	2517	2526	2529
2535	2650	2676	2679s	2725	2726	2727	2782
2794	2905	2908					

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■ 44 18, 5/8 Ιησουν  
τον  
Ναζωραιον

1/2 τον

534c 595c\* 1250c

1/2-f1 το

45 1627

3 OM

595\*

Z DEF

P52	P59	P66	P90	P108	05s	011s	013
087	0109	27	179s	246	274s	370	475s
534*	649	731	779	781	800	836	888
892	947	1250*	1293	1343s	1571s	1625	1633
1803	2290	2399	2418	2470	2517	2526	2529
2535	2650	2676	2679s	2725	2726	2727	2782
2794	2905	2908					

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■ 45 18, 5/10 Ιησουν τον  
Ναζωραιον

1/2 ναζωραιον

534c 1250c 1510c

1/2-f1 ναζιραιον

392 871 976

1/2-f2      ναζηραιον

273s

1/2-f3      ναζαιον

1510\*

1/2-f4      ναξωραιον

2478

3            ναζαρηνον

05      2786

4            ναζαρραιον

294

Z            DEF

P52	P59	P66	P90	P108	05s	011s	013
087	0109	27	120	179s	246	274s	370
475s	534*	649	731	779	781	800	836
888	892	947	1143	1250*	1293	1343s	1571s
1625	1633	1712	1803	2290	2399	2418	2470
2517	2526	2529	2535	2650	2676	2679s	2725
2726	2727	2782	2794	2905	2908		

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■ 46            18, 5/12-14

λεγει αυτοις  
εγω ειμι

1/2            λεγει αυτοις

293c      1250c

1/2-f1        λεγει λεγει αυτοις

1644

1/2-f2        εγει αυτοις

892s

1/2-f3        λεγει αυτος

2362							
1/2-f4	λεγει αυτη						
292							
1B	λεγει αυτω						
293*							
3	και λεγει αυτοις						
1431							
4	λεγει ουν αυτοις						
861							
5	απεκριθη αυτοις						
1579							
5B	απεκριθη						
903							
Z	DEF						
P52	P59	P66	P90	05s	011s	013	087
0109	27	179s	246	274s	342	370	475s
649	731	779	781	800	836	892	947
1119	1250*	1293	1306	1343s	1571s	1625	1633
1712	1803	2290	2399	2418	2517	2526	2529
2535	2650	2676	2679s	2725	2726	2727	2782
2794	2905	2908					

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■ 47	18, 5/16-18	λεγει αυτοις εγω ειμι			
1	ο ιησους εγω ειμι				
26c1	476c	1128*	1250c	1333c*	2615*
1B	ιησους εγω ειμι				
01	89	703	903	1084	

1C εγω ειμι ο ιησους

2561\*

1D εγω ειμι ιησους

03

1E εγω ο ιςς εγω ειμι

207

2 εγω ειμι

P60	05	0211	26*	44	47	58	61
169	202	273s	359	435s	476*	501	508
518	530	554	900	1015	1054s	1081	1121
1128c	1182	1333*	1375	1440	1475	1641	1654
1675	1689	2282	2561c	2612	2615c	2786	

2B οτι εγω ειμι

1458 1555

Z DEF

P52	P59	P66	P90	P108	05s	011s	013
087	0109	27	179s	246	274s	342	370
475s	649	731	779	781	800	836	892
947	1143	1250*	1293	1306	1343s	1571s	1625
1633	1712	1803	2290	2307	2399	2418	2517
2526	2529	2535	2650	2676	2679s	2725	2726
2727	2782	2794	2905	2908			

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■ 48 18, 5/19 λεγει αυτοις εγω ειμι  
SINE ADD

3 ADD απηλθον

1087

Z DEF

P52	P59	P66	P90	P108	05s	011s	013
087	0109	27	179s	246	274s	342	370
475s	649	731	779	781	800	836	892



947	1143	1293	1306	1343s	1571s	1625	1633
1803	2290	2399	2418	2517	2526	2529	2535
2650	2676	2679s	2725	2726	2727	2782	2794
2905	2908						

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■ 49 18,5/20-8/14

ειστηκει δε ... εγω ειμι

3 OM

792

Z DEF

P52	P59	P90	P108	05s	013	087	0109
27	179s	246	274s	370	475s	649	731
779	781	800	836	892	947	1293	1306
1343s	1571s	1625	1633	1803	2290	2399	2418
2517	2526	2529	2535	2650	2676	2679s	2725
2726	2727	2782	2905	2908			

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■ 50 18,5/20-6/26

ειστηκει δε ... επεσον χαμαι

1/2 ειστηκει δε ... 18'6 ... επεσον χαμαι

733c1

3 OM

733\* 1327

Z DEF

P52	P59	P90	P108	05s	013	087	0109
27	179s	246	274s	370	475s	649	731
779	781	792	800	836	892	947	1293
1306	1343s	1571s	1625	1633	1803	2290	2399
2418	2517	2526	2529	2535	2650	2676	2679s
2725	2726	2727	2782	2905	2908		

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■ 51 18,5/20-6/12

ειστηκει δε ... εγω ειμι

1/2 εισηκει δε ... 18·6 ... εγω ειμι

154c 733c1

3 OM

154\* 445 888 1606

Z DEF

P52	P59	P90	P108	05s	013	087	0109
27	179s	246	274s	370	475s	649	731
733*	779	781	792	800	836	892	947
1293	1306	1327	1343s	1571s	1625	1633	1803
2290	2399	2418	2517	2526	2529	2535	2650
2676	2679s	2725	2726	2727	2782	2905	2908

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■ 52 18, 5/20-36

εισηκει δε ... μετ αυτων

1/2 εισηκει δε και ιουδας ο παραδιδους αυτον μετ αυτων

154c 733c1

3 OM

79 2398

Z DEF

P52	P59	P90	P108	05s	013	087	0109
27	154*	179s	246	274s	370	445	475s
649	731	733*	779	781	792	800	836
888	892	947	1293	1306	1327	1343s	1571s
1606	1625	1633	1803	2290	2399	2418	2517
2526	2529	2535	2650	2676	2679s	2725	2726
2727	2782	2905	2908				

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■ 53 18, 5/20

εισηκει  
δε και Ιουδας

1/2 εισηκει

47c	154c	733c1	821c*				
1/2-f1	εστηκει						
47*	56	61	2708				
1/2-f2	ειστηκσθηκει						
821*							
1/2-f3	εισηκει						
1343							
1/2-f4	ειστει						
1064							
3	ειστηκεισαν						
1088							
Z	DEF						
P52	P59	P60	P66	P90	P108	05s	011s
013	087	0109	27	79	154*	179s	246
274s	342	370	445	475s	649	731	733*
779	781	792	800	836	888	892	947
1143	1293	1306	1327	1343s	1569	1571s	1606
1625	1633	1803	2290	2398	2399	2418	2517
2526	2529	2535	2650	2676	2679s	2725	2726
2727	2782	2794	2905	2908			
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■ 54      18, 5/22      εισηκει  
δε  
και Ιουδας

1/2      δε  
154c      733c1  
3      OM  
472      581      1236      2148      2660  
Z      DEF

P52	P59	P66	P90	P108	05s	011s	013
087	0109	27	79	154*	179s	246	274s
370	445	475s	649	731	733*	779	781
792	800	836	888	892	947	1119	1143
1293	1306	1327	1343s	1421	1569	1571s	1606
1625	1633	1803	2290	2398	2399	2418	2517
2526	2529	2535	2650	2676	2679s	2725	2726
2727	2782	2794	2905	2908			

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■ 55 18, 5/24 εισηκει δε  
και  
Ιουδας

1/2 και

154c 725c 733c1 747c1 881c

1/2-f1 ο και

2810

3 OM

4	63	168	289	303	391	579s	725*
732	744	747*	772	833	856	863	878
881*	989	1043	1262	1309	1416	1546	1645
1802	2100	2192	2528	2786			

Z DEF

P52	P59	P66	P90	P108	05s	011s	013
087	0109	27	79	154*	179s	246	274s
342	370	445	475s	514	649	731	733*
779	781	792	800	836	888	892	947
1119	1293	1306	1327	1343s	1571s	1606	1625
1633	1803	2290	2398	2399	2418	2517	2526
2529	2535	2650	2676	2679s	2725	2726	2727
2782	2794	2905	2908				

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■ 56 18, 5/26 εισηκει δε και  
Ιουδας  
ο παραδιδους αυτον

1/2 ιουδας

154c 733c1 2483c\*

1/2-f1	ουδας						
2483*							
3	ο ιουδας						
164	168	686	732	748	863	878	977
982	1044	1060	1122	1335	1349c	1645	1665
2129	2148	2311	2437	2515			
3-f1	ο {και} ιουδας						
2810							
W-f1	ιουδας ο ιουδας						
1349*							
Z	DEF						
P52	P59	P66	P90	P108	05s	011s	013
087	0109	27	79	154*	179s	246	274s
342	370	445	475s	649	731	733*	779
781	792	800	836	888	892	947	1293
1306	1327	1343s	1571s	1606	1625	1633	1803
2282	2290	2398	2399	2418	2517	2526	2529
2535	2650	2676	2679s	2725	2726	2727	2782
2794	2905	2908					
=====							
■ 57	18, 5/28-32	ειστηκει δε και Ιουδας ο παραδιδους αυτον μετ αυτων					
1/2	ο παραδιδους αυτον						
733c1							
1/2-f1	ο παραιδιδους αυτον						
154c	435s						
1/2-f2	αυτον						
2705							
3	OM						

264

Z	DEF						
P52	P59	P60	P66	P90	P108	05s	011s
013	087	0109	27	79	154*	179s	246
274s	342	370	445	475s	649	731	733*
779	781	792	800	836	888	892	947
1293	1306	1327	1343s	1571s	1606	1625	1633
1803	2282	2290	2398	2399	2418	2517	2526
2529	2535	2650	2676	2679s	2725	2726	2727
2782	2905	2908					

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■ 58      18, 5/34-36      ειστηκει δε και Ιουδας ...  
μετ αυτων

1/2      μετ αυτων

154c      733c1

1/2-f1      μετ αυτω

443

1/2-f2      μετα αυτων

038

3      μετ αυτους

472      1135

4      εις τοπον

2188

4B      εις τον τοπον

841

Z	DEF						
P52	P59	P60	P66	P90	P108	05s	011
013	087	0109	27	79	154*	179s	246
274s	342	370	445	475s	514	649	731
733*	779	781	792	798	800	836	888

892	947	1293	1306	1327	1343s	1571s	1606
1625	1633	1712	1803	2282	2290	2398	2399
2418	2517	2526	2529	2535	2650	2676	2679s
2725	2726	2727	2782	2905	2908		

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■ 59 18,6/2

ως  
οὐν εἶπεν αὐτοῖς

1/2 ως

733c1

3 εως

1122

Z DEF

P52	P59	P60	P90	P108	05s	011	013
087	0109	27	154*	154c	179s	246	274s
370	445	475s	649	731	733*	779	781
792	798	800	836	888	892	947	1119
1143	1293	1306	1327	1343s	1571s	1606	1633
1712	1803	2282	2290	2399	2517	2526	2529
2535	2650	2676	2679s	2725	2726	2727	2782
2905	2908						

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■ 60 18,6/4

ως  
οὐν  
εἶπεν αὐτοῖς

1/2 οὐν

293c 595c\* 733c1

3 OM

02	8	13	293*	595*	654	783	901
1397	1819	2693s	2810				

Z DEF

P52	P59	P60	P66	P90	P108	05s	011
013	087	0109	27	154*	154c	179s	246
274s	370	445	475s	649	731	733*	779
781	792	798	800	836	888	892	947

1119	1143	1293	1306	1327	1343s	1571s	1606
1633	1712	1803	2282	2290	2399	2517	2526
2529	2535	2650	2676	2679s	2725	2726	2782
2905	2908						
=====							
■	18, 6/6		ως ουν ειπεν αυτοις				
1/2-f1	πεν						
745							
=====							
■ 61	18, 6/8		ως ουν ειπεν αυτοις εγω ειμι				
1/2	αυτοις						
01Cca	154c	733c1					
1/2-f1	αυτους						
4	259	770	997				
1/2B	αυτος						
205							
1/2C	αυτο						
2406							
3	OM						
01*	472	725	1048	1402	2295	2615	
Z	DEF						
P52	P59	P60	P66	P90	P108	05s	011
013	087	0109	27	154*	179s	246	274s
370	445	475s	649	731	733*	779	781
792	798	800	836	888	892	947	1293
1306	1327	1343s	1571s	1606	1633	1803	2282
2290	2399	2418	2470	2517	2526	2529	2535
2650	2676	2679s	2725	2726	2782	2905	2908



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■ 62 18, 6/9 ειπεν αυτοις  
SINE ADD

1/2 SINE ADD

154c 733c1 969\* 1278\* 1515c 1699\*

3 ADD ο ιησους

16	23	31	65	89	182	228	251
266	293	387	392	472	477	524	545
579s	585	760	861	903	969c	1053	1081
1144	1278c	1434	1512	1515*	1528	1552	1575
1699c1	1709	1813	2182	2191	2220	2355	2375
2396							

Z DEF

P52	P59	P60	P66	P90	P108	05s	011
013	087	0109	27	154*	179s	246	274s
370	445	475s	649	731	733*	779	781
792	798	800	836	888	892	947	1293
1306	1327	1343s	1571s	1606	1633	1803	2282
2290	2399	2418	2470	2517	2526	2529	2535
2650	2676	2679s	2725	2726	2782	2905	2908

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■ 63 18, 6/10 ως ουν ειπεν αυτοις  
εγω  
ειμι απηλθον εις τα οπισω

1 οτι εγω

80c1 547\* 733c1 924c\* 1278c 1346c 1515c 2145c

1-f1 εγω οτι

96

2 εγω

01	02	03	05	019	022	032	033
038	041	044	0211	1	33	80*	106
114	138	157	158	168	205	209	233

357	389	396	489	547 <sub>c</sub>	565	581	650
676	697	699	715	759	776	825	861
865	884	924*	994	1005	1009	1071	1079
1128	1137	1182	1195	1219	1220	1228	1272
1273	1278*	1346*	1365	1455	1515*	1535	1546
1571	1582	1627	1651	1690	1784 <sub>s</sub>	1816	2145*
2372	2394	2404	2411	2463	2533	2575	2613
2684	2713	2722	2810	2886	2902		

W1/2           εγω οτι εγω

410

Z               DEF

P52	P59	P60	P66	P90	P108	05 <sub>s</sub>	011
013	087	0109	27	154*	154 <sub>c</sub>	179 <sub>s</sub>	246
274 <sub>s</sub>	370	445	475 <sub>s</sub>	649	731	733*	779
781	792	798	800	836	888	892	947
1293	1306	1327	1343 <sub>s</sub>	1571 <sub>s</sub>	1606	1633	1803
2282	2290	2389	2399	2418	2470	2517	2526
2529	2535	2650	2676	2679 <sub>s</sub>	2725	2726	2782
2905	2908						

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■ 64           18, 6/14           ειπεν αυτοις εγω ειμι  
απηλθον  
εις τα οπισω και επεσαν χαμαι

1/2           απηλθον

733<sub>c1</sub>

1/2-ο       απηλθαν

01           03           05           032

1/2-f1      απελθων

588       1065       1068

3           απηλθεν

011<sub>s</sub>       440           492       1122       2223       2374       2528       2727

W1/2/3/4           απηλθον

2133

Z	DEF						
P52	P59	P60	P66	P90	P108	05s	011
013	087	0109	27	179s	246	274s	370
475s	649	731	733*	779	781	792	798
800	836	892	947	1143	1293	1306	1327
1343s	1571s	1633	1803	2282	2290	2399	2517
2526	2529	2535	2650	2676	2679s	2725	2726
2782	2905	2908					

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■ 65 18, 6/16-20 απηλθον  
εις τα οπισω  
και επεσαν χαμαι

1/2 εις τα οπισω  
679c 733c1 1128\*

1/2-f1 στα οπισω  
844

1/2-f2 τα οπισω  
1128c

1/2B εις οπισω  
749

3 OM  
679\*

Z	DEF						
P52	P59	P60	P66	P90	P108	05s	011
013	087	0109	27	179s	246	274s	370
475s	649	731	733*	779	781	792	798
800	836	892	947	1293	1306	1327	1343s
1571s	1633	2282	2290	2399	2517	2526	2529
2535	2650	2676	2679s	2725	2726	2782	2905
2908							

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■ 18, 6/20-26 απηλθον εις τα  
οπισω και επεσαν χαμαι

1/2-f1 οπισω και επεσον χαμαι

2653c\*

W [5-6]

2653\*

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■ 66 18, 6/22 απηλθον εις τα οπισω  
και  
επεσαν χαμαι

1/2 και

231c 733c1 892sc 2653c\*

1/2-f1 και και

373

3 OM

892s\* 1081

Z DEF

P52	P59	P60	P66	P90	P108	05s	011
013	087	0109	27	179s	231*	246	274s
370	475s	649	731	733*	779	781	792
798	800	836	892	947	1293	1306	1327
1343s	1571s	1633	1712	2282	2290	2399	2418
2517	2526	2529	2535	2650	2653*	2676	2679s
2725	2726	2782	2905	2908			

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■ 67 18, 6/24 απηλθον εις τα οπισω και  
επεσαν  
χαμαι

1/2 επεσον

530c 733c1 1048c\* 1582c 2561c 2653c\* 2670\*

1/2-f1 επεσον επεσω

2670c*							
1/2-f2	πεσον						
1335							
1/2-f3	εσον						
1048*							
1/2-ο	επεσαν						
01	03	04	05	019	032	033	047
1	33	108	213	355	579s	865	1182
1582*	1820	2561*	2680				
3	επεσεν						
011s	530*	2223	2727				
W-f1	επε						
2708							
Z	DEF						
P52	P59	P60	P66	P90	P108	05s	011
013	087	0109	27	179s	246	274s	370
475s	649	731	733*	779	781	792	798
800	836	888	892	947	1293	1306	1327
1343s	1421	1571s	1633	1712	2282	2290	2399
2418	2517	2526	2529	2535	2650	2653*	2676
2679s	2725	2726	2782	2905	2908		
=====							
■	18, 6/26	επεσαν	χαμαι				
1/2-f1	χαχαμαι						
2255							
=====							

■ 68 18, 7/2-4

παλιν ουν  
επηρωτησεν αυτους

1/2 παλιν ουν

29c1 78c 127c 2129c 2261c

1/2-f1 παλιν υν

1128

1/2-f2 αλιν ουν

892s 1239

1/2-f3 πασιν ουν

1298

1/2-f4 πλην ουν

251

1/2-f5 ουν παλιν

1448c

3 παλιν δε

16 1336

4 παλιν

11	27s	29*	48	59	71	73	78*
86	112	127*	132	157	175	200	205
209	248	266	279	299	301	331	345
520	523	569	677	705	763	903	940
941	944	1014	1063	1081	1166	1170	1201
1204	1207	1212	1241	1265	1314	1324	1413
1444	1448*	1458	1513	1531	1542	1646	1663
1701	1784s	1788	1797	2120	2129*	2179	2261*
2265	2281	2291	2304	2369	2524	2611	2623
2705	2713	2886					

Z DEF

P52	P59	P60	P66	P90	P108	05s	011
013	087	0109	27	179s	246	274s	370

475s	649	719	731	731s	779	781	792
798	800	892	947	1293	1306	1343s	1571s
1633	2282	2290	2399	2418	2517	2526	2529
2535	2650	2676	2679s	2725	2726	2782	2905
2908							

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■ 69            18, 7/5            παλιν ουν  
SINE ADD  
επηρωτησεν αυτους

1/2            ουν

231c

3            ADD ειπεν

2192

Z            DEF

P52	P59	P66	P90	P108	05s	011	013
087	0109	27	179s	231*	246	274s	370
475s	500	649	719	731	731s	779	781
792	798	800	892	947	1293	1306	1343s
1571s	1633	2282	2290	2399	2517	2526	2529
2535	2650	2676	2679s	2725	2726	2782	2905
2908							

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■ 70            18, 7/4-6            παλιν ουν  
επηρωτησεν αυτους  
τινα ζητειτε

1            αυτους επηρωτησεν

80c1	507c*	511c	651*	1318c	1328c*	1781c	1808c
2426c	2463c						

1-f1            αυτους επηρωτησα

031s

1-f2            αυτους επηρωθησεν

368

2            επηρωτησεν αυτους

02	03	04	019	030	033	044	054
0141	13	69	106	124	127	132	175
205	213	248	278	279	331	346	352
375	494	508	543	660	697	705	713
776	782	788	799	821	826	828	861
865	924	929	974	1001	1005	1006	1071
1136	1149	1268	1278	1321	1356	1365	1370
1431	1448	1455	1513	1606	1626	1630	1676
1689	1701	1797	1819	1820	2252	2394	2397
2405	2524	2530	2567	2613	2623	2705	2786
2794	2886						

3 ηρωτησεν αυτους

33	306	317	333	397	423	2129	2372
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4 επηρωτησεν αυτοις

520	1014	1038	1041	2718	2728		
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5 αυτους ηρωτησεν

196	1048	1671					
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6 αυτοις επηρωτησεν

011s	0211	4	10	12	16	24	27s
28	31	32	36	52	60	63	71
80*	86	108	137	140	144s	145	148
154	156	162	163	170	182	185	186
202	217	231c	237	259	264	269	274
277	283	289	295	297	329	344s	349
350	358	360	365	377	389	391	393
405	410	412	413	414	422	440	447
473	477	489	492	493	495	507*	515
518	519	534	537	538	548	565	569
573	577	578	592	597	652	655	657
683	684	695	714	715	729	733	747
750	752	755	759	761	762	770	774
784	795	796	801	809	811	833	834
845	851	852	858	883	889	900	904
925	952	976	982	989	990	997	1000
1011	1012	1024	1047s	1062	1077	1084	1087
1090	1091	1095	1096	1125	1135	1145	1166
1170	1182	1194	1196	1202	1211	1214	1219
1222	1252	1261	1269	1273	1288	1294	1298
1299	1301	1309	1312	1315	1318*	1320	1325
1328*	1333	1343	1350	1358	1373	1393	1395



1396	1402	1403	1413	1425	1432	1436	1453
1454	1458	1465	1466	1474	1479	1485	1495
1504	1505	1506	1515	1521	1528	1531	1535
1536	1539	1555	1557	1565	1567	1579	1583
1592	1595	1597	1623	1624	1638	1647	1648
1651	1663	1666	1668	1675	1685	1692	1699
1700	1703	1704	1781*	1788	1792	1966	2107
2121	2127	2139	2141	2146	2147	2159	2185
2214	2247	2266	2280	2291	2314	2322	2324
2374	2388	2406	2411	2422	2426*	2452	2458
2463*	2474	2482	2483	2497	2499	2500	2525
2533	2571	2584	2586	2592	2598	2608	2611
2612	2634	2649	2660	2673	2680	2684	2691
2701	2711	2717	2724	2767	2775s	2779	2804
2812	2856	2868					
6-f1	αυτοῖς ἐπιρωτῶν						
1233							
7	αὐτὸς ἐπηρωτήσεν						
1790	2766						
8	αυτοῖς ἐπηρωτᾶ						
2774							
9	ἐπηρωτήσεν						
168	299	511*	529	580	664	841	988
1039	1063	1082	1190	1317	1409	1540	1808*
1823	2097	2135	2179	2188	2709		
10	αὐτοὺς ἐπηρωτήσεν ὁ ἰησοῦς						
1424							
10B	αυτοῖς ἐπηρωτήσεν ὁ ἰησοῦς						
972							
11	αὐτοὺς ὁ ἰησοῦς ἐπηρωτήσῃ						
523							
11B	αυτοῖς ὁ ἰησοῦς ἐπηρωτήσῃ						
505							

12	επηρωτησεν αυτους ο ιησους						
273s	282	1036	1143	1451	2106	2528	2757
12B	επηρωτησεν αυτοις ο ιησους						
968							
13	αυτους επηρωτησε ο ιησους λεγων						
651c*							
13B	αυτοις επηρωτησε ο ιησους λεγων						
996							
14	αυτους επηρωτησεν λεγων						
05	1215						
W2/3/4	[επηρ]ωτησ[ε αυτους]						
P60	P66						
W-f1	αυτους επηρωτησεν αυτους						
78	734	791					
W-f2	αυτουις επηρωτησεν						
1493							
Z	DEF						
P52	P59	P90	P108	05s	011	013	087
0109	27	179s	231*	246	274s	370	475s
500	649	719	731	731s	779	781	792
798	800	877	892	947	1293	1306	1343s
1571s	1633	2282	2290	2307	2399	2470	2517
2526	2529	2535	2650	2676	2679s	2725	2726
2782	2905	2908					

■ 18, 7/10      επηρωτησεν αυτους  
τινα  
ζητειτε

1/2-f1      τιναν

2680

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■ 18, 7/12      επηρωτησεν αυτους τινα  
ζητειτε

1/2      ζητειτε

523c

1/2-f1      ζητητειτε

1519

1/2-f2      ζητειτε

68

1/2-f3      ζητει

523\*

1/2-f4      ζειτε

1577

=====

■ 71      18, 7/14-8/22

οι δε ειπαν ... ει ουν εμε ζητειτε

3      OM

546      1675

Z      DEF

P52	P59	P90	P108	05s	011	013	087
0109	27	179s	246	274s	370	475s	500
649	731	731s	779	781	792	798	800
892	947	1293	1343s	1571s	1633	2282	2290
2399	2517	2526	2529	2535	2650	2676	2679s
2725	2726	2782	2905	2908			

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■ 72 18,7/14-18

οι δε ειπαν  
Ιησουν τον Ναζωραιον

1/2 οι δε ειπον

290c 2775sc

1/2-f1 ο δε ειπον

144s 344s 348 368 664 2236

1/2-f2 οι δει ειπον

1440

1/2-f3 ως δε ειπον

1344

1/2-o οι δε ειπαν

P66 033 708 865 1196

3 οι δε ειπαν παλιν

05

4 ειπον

30 2775s\*

5 OM

1158 1243

W1/2 οι δε ειπεν

290\*

Z DEF

P52	P59	P60	P90	P108	05s	011	013
087	0109	27	179s	246	274s	305	370
475s	500	546	565	649	731	731s	779
781	792	798	800	888	892	947	1143
1293	1343s	1564	1571s	1633	1675	1712	2282



792	798	800	888	892	947	1143	1293
1343s	1571s	1633	1675	2282	2290	2399	2517
2526	2529	2535	2650	2676	2679s	2725	2726
2782	2905	2908					

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■	18, 7/22	Ιησουν τον Ναζωραιον
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1/2-f1	το
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1139	1335
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■	75	18, 7/24	Ιησουν τον Ναζωραιον
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1/2	ναζωραιον
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368c	1119c
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1/2-f1	ναζιραιον
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392	871	976
-----	-----	-----

1/2-f2	ναζωραι
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2394
------

3	ναζαραιον
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045	368*	973	1335
-----	------	-----	------

4	ναζωρινον
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1440	2612
------	------

4-o	ναζαρηνον
-----	-----------

2786
------

W1/2/4	να[ζ]ωραι[2]ον
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1119*
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Z	DEF
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P52	P59	P66	P90	P108	05s	011	013
087	0109	27	179s	246	274s	370	376
475s	500	514	546	649	731	731s	779
781	792	798	800	888	892	947	1143
1293	1343s	1571s	1633	1675	1803	2282	2290
2399	2517	2526	2529	2535	2650	2676	2679s
2725	2726	2782	2905	2908			

■ 76 18,8/2-4

απεκριθη Ιησους  
ειπον υμιν

3 OM

2446

Z DEF

P52	P59	P90	P108	05s	011	013	087
0109	27	179s	246	274s	370	475s	500
546	649	731	731s	779	781	792	798
800	888	892	947	1143	1293	1343s	1571s
1633	1675	2282	2290	2399	2517	2526	2529
2535	2650	2676	2679s	2725	2726	2782	2905
2908							

■ 18,8/2

απεκριθη  
Ιησους

1/2 απεκριθη

1629c

1/2-f1 απεκριθησαν

1629\*

■ 77 18,8/2

απεκριθη  
Ιησους ειπον υμιν

3 απεκριθη αυτοις

05	033	1	13	16	19	40	47
56	58	61	124	138	152	169	182

184	191	192	205	209	213	306	348
357	447	477	513	543	555	565	788
790	799	826	828	829	865	884	892s
929	977	994	1004	1038	1044	1047s	1171
1216	1217	1243	1279	1294	1344	1436	1447
1528	1579	1582	1663	1689	1704	1784s	2108
2174	2195	2263	2561	2575	2684c	2702	2713
2786	2810	2886					

3-f1 απεκριθη [5] αυτοις

2684\*

4 ειπεν ουν αυτοις

1654

Z DEF

P52	P59	P60	P66	P90	P108	05s	011
013	087	0109	27	179s	246	274s	370
416	475s	500	546	649	731	731s	779
781	792	798	800	888	892	947	1143
1293	1340	1343s	1564	1571s	1633	1675	2282
2290	2399	2418	2446	2517	2526	2529	2535
2650	2676	2679s	2725	2726	2782	2905	2908

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■ 78 18, 8/4-30 απεκριθη  
Ιησους ειπον υμιν οτι εγω ειμι ει ουν εμε ζητειτε  
αφετε τουτους υπαγειν

3 ει ουν εμε ζητειτε αφετε τουτους υπαγειν ιησους ειπον υμιν οτι εγω ειμι

2129

Z DEF

P52	P59	P90	P108	05s	011	013	087
0109	27	179s	246	274s	370	416	475s
500	546	649	731	731s	779	781	792
798	800	892	947	1293	1343s	1571s	1633
1675	2282	2290	2399	2446	2517	2526	2529
2535	2650	2676	2679s	2725	2726	2782	2905
2908							

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■ 79	18, 8/4-6		απεκριθη Ιησους ειπον υμιν				
1/2	ιησους ειπον						
80*	142*	527*	2426*	2724*			
3	ιησους και ειπεν ειπον						
39	154	303	315	392	428	523	684
723	727	729	733	734	736	741	744
749	755	817	818	820	834	854	855
856	857	858	862	883	949	993	1021
1160	1204	1252	1261	1265	1267	1302	1327
1336	1506	1533	1534	1536	1613	1684	1707
2106	2185	2206	2214	2452	2470	2490	2573
2735							
3-f1	ιησους καθι ειπεν ειπον						
1262							
3-f2	ιησους και ειπεν ειπεν						
835							
3-f3	ιησους και ειπον ειπον						
720	833	1182					
4	ιησους δε ειπεν ειπον						
889							
5	ο ιησους ειπον						
05	022	031s	033	054	1	13	16
19	23	40	64	69	80c1	113	119
124	125	129	130	135	138	142c	149
152	158	169	182	184	191	192	196
205	209	212	213	217	227	228	232
247	265	267	268	270	283	289	292
294	296	301	330	346	348	357	373
377	405	444	445	447	472	477	491
508	513	525	527c	543	545	555	558
565	578	585	654c	668	724	743	771
787	788	790	796	799	807	808	826
828	829	864	865	884	892s	929	933

935	938	956	963	965	977	994	1004
1005	1007	1009	1012	1017	1026	1038	1044
1047s	1054s	1064	1073	1086	1094	1118	1122
1137	1171	1188	1189	1193	1200s	1203	1209
1212	1216	1217	1223	1227	1228	1237	1239
1242	1243	1273	1279	1294	1299	1303	1325
1344	1352	1358	1387s	1434	1436	1447	1483
1515	1520	1528	1578	1579	1582	1588	1609
1622s	1629	1635	1637	1640	1641	1644	1650
1651	1654	1663	1678	1689	1704	1784s	1802
1804	1966	2108	2118	2127	2129	2136	2137
2174	2192	2195	2213	2215	2220c	2238	2263
2282s	2284	2290s	2291	2426c	2442	2497	2514
2561	2575	2624	2633	2637	2645	2684	2685
2691	2702	2703	2708	2713	2724c	2737	2758s
2760	2765	2774	2786	2809	2810	2860	2868
2886							

5-f1 ο ο ιησους ειπον

785

6 ο ιησους και ειπεν ειπον

168 732 863 874 878 1263 2148

7 ο ιησους και ειπεν αυτοις ειπον

891

8 ιησους και ειπεν ο ιησους

742

9 και ειπεν ειπον

819

10 ειπον

47 56 58 61 306 2220\*

w3/4 ιησους ειπεν ειπον

881 886

w5/6/7 ο ιησους [7-12]

654\*

Z	DEF						
P52	P59	P60	P66	P90	P108	05s	011
013	087	0109	27	179s	246	274s	370
416	475s	500	546	649	719	731	731s
779	781	792	798	800	888	892	947
1143	1293	1340	1343s	1564	1571s	1633	1675
2282	2290	2399	2418	2446	2517	2526	2529
2535	2650	2676	2679s	2722	2725	2726	2782
2905	2908						

■ 80 18,8/6-8 ειπον  
SINE ADD  
υμιν

3 ADD ουν  
373 933 1064 1563 2244

Z	DEF						
P52	P59	P66	P90	P108	05s	011	013
087	0109	27	179s	246	274s	370	416
475s	500	546	649	731	731s	779	781
792	798	800	892	947	1143	1293	1343s
1571s	1633	1675	1712	2282	2290	2399	2517
2526	2529	2535	2650	2676	2679s	2725	2726
2782	2905	2908					

■ 18,8/8-10 απεκριθη Ιησους ειπον  
υμιν οτι  
εγω ειμι

1-f1 OM

1148c

Z [υμιν οτι]

1148\*

■ 81 18,8/8 απεκριθη Ιησους ειπον  
υμιν  
οτι εγω ειμι

1/2-f1 υμας

1393

3 OM

684	727	729	749	834	835	1148c	1182
1261	1533	1536	2185	2214			

Z DEF

P52	P59	P90	P108	05s	011	013	087
0109	0290	27	179s	246	274s	370	416
475s	500	546	649	731	731s	779	781
792	798	800	892	947	1143	1148*	1293
1343s	1571s	1633	1675	1712	1803	2282	2290
2399	2517	2526	2529	2535	2650	2676	2679s
2725	2726	2782	2905	2908			

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■ 82 18, 8/10-14 ειπον υμιν  
οτι εγω ειμι  
ει ουν εμε ζητειτε

1/2 οτι εγω ειμι

365c1

3 εγω ειμι

365*	518	1059	1148c	1432
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4 OM

1335

Z DEF

P52	P59	P60	P90	P108	05s	011	013
087	0109	27	179s	246	274s	370	416
475s	500	546	649	731	731s	779	781
792	798	800	892	947	1148*	1293	1343s
1571s	1633	1675	1712	2282	2290	2399	2517
2526	2529	2535	2650	2676	2679s	2725	2726
2782	2905	2908					

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■	18, 8/16	ειπον υμιν οτι εγω ειμι ει ουν εμε ζητειτε					
1/2	ει						
841c							
1/2-f1	εις						
841*							
1/2-f2	ει εμε ζητειτε οι δε ειπον υμιν οτι εγω ειμι ει						
1128							
=====							
■ 83	18, 8/18	ει ουν εμε ζητειτε					
1/2	ουν						
20c	215c						
1/2-f1	ουν ει						
1440							
3	μενουν						
1291	2766						
4	OM						
20*	215*	1012	1663	2612			
Z	DEF						
P52	P59	P66	P90	P108	05s	011	013
087	0109	27	179s	246	274s	370	376
416	475s	500	546	649	731	731s	779
781	798	800	892	947	1119	1143	1293
1343s	1571s	1633	1675	1712	2282	2290	2399
2517	2526	2529	2535	2650	2676	2679s	2722
2725	2726	2782	2905	2908			
=====							

■ 18, 8/20 ει ουν  
εμε  
ζητειτε

1/2 εμε

31c 595c\*

1/2-f1 εμει

31\*

1/2-f2 OM

595\*

=====

■ 18, 8/22 ει ουν εμε  
ζητειτε  
αφετε τουτους υπαγειν

1/2 ζητειτε

297c 1131c

1/2-f1 ζητειτητε

1335

1/2-f2 ζητειτατ

2722

1/2-f3 ζητειται

1348

1/2-f4 ζητε

1131\*

1/2-f5 ζητη

297\*

1/2-f6 εξητειτε

033

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■	18, 8/24	ει ουν εμε ζητειτε αφετε τουτους υπαγειν
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1/2-f1	αφετε αφετε
1343	

1/2-f2	αφετε
2311	

1/2-f3	αφατε
492	

1/2-f4	αφε
033	1200s 1816 2715

1/2-f5	ΟΜ
2756	

■ 84	18, 8/26	αφετε τουτους υπαγειν
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1/2	τουτους
0211c	1630c 2524c*

1/2-f1	του τουτους
1005	

3	αυτους
237	377 523 577 683 772 889 934
968	1087 1138 1241 1262 1317 1353 1355
1449	1553 1697 2355 2411 2606 2808

4	τουτοις
011s	36 68 1624

W1/2/3	τους
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0211*	1630*	2524*					
W1/2/4	του[του]ς						
1421							
Z	DEF						
P52	P59	P66	P90	P108	05s	011	013
087	0109	27	179s	246	274s	370	416
475s	500	514	649	731	731s	779	781
798	800	888	892	947	1293	1343s	1571s
1633	2282	2290	2399	2517	2526	2529	2535
2634	2650	2676	2679s	2725	2726	2782	2905
2908							

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■	18, 8/28	αφετε τουτους υπαγειν
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1/2	υπαγειν
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900c

1/2-f1	υπαειν
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011s

1/2-f2	υπαγει
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784

1/2-f3	υπαγεν
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357	900*
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■	18, 9/2	ινα πληρωθη ο λογος
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1/2	ινα
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1357c

1/2-f1	ινα ινα
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2884



1/2-f2

ια

281

1/2-f3

ινα [2]

1357\*

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■ 85

18, 9/4-8

ινα  
πληρωθη ο λογος  
ον ειπεν

1/2

πληρωθη ο λογος

2133c

1/2-f1

πληρω ο λογος

472

903

1/2-f2

πρωθη ο λογος

2133\*

3

ο λογος πληρωθη

13

228

346

543

652

826

828

1047s

1704

2108

2758s

4

πληρωθη

279

5

πληρωθη ο λογος του ιησου

435s

518

6

ο λογος του ιησου πληρωθη

992

7

πληρωθη ο λογος ο γεγραμμενος

1344

Z

DEF

P52	P59	P60	P66	P90	P108	05s	011
013	087	0109	0290	27	179s	246	274s
370	416	475s	500	546	649	731	731s
779	781	798	800	888	892	947	1293
1343	1571s	1633	2282	2290	2399	2517	2526
2529	2535	2634	2650	2676	2679s	2725	2726
2782	2905	2908					

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■ 86 18, 9/10-12 ινα πληρωθη ο λογος  
ον ειπεν  
οτι ους δεδωκας μοι

1/2 ον ειπεν

293c 1278c 2323\*

1/2-f1 ον ειπενπεν

1139

1/2-f2 ος ειπεν

1019

1/2-f3 ειπεν

1278\*

3 ον ειπον

021	111	142	276	293*	506	561	695
706	710	808	809	823	858	906	1200s
1210	1218	1266	1313	1345	1505	1506	1573
1797	1823	2323c	2465	2467	2494	2533	2620
2622	2679	2687	2766	2786	2886		

4 OM

968

Z DEF

P52	P59	P60	P66	P90	P108	05s	011
013	087	0109	27	179s	205	246	274s
370	416	475s	500	514	649	731	731s
779	781	798	800	888	892	947	1143
1293	1343	1571s	1633	2282	2290	2399	2517

2526	2529	2535	2634	2650	2676	2679s	2725
2726	2782	2905	2908				

=====

■ 87 18, 9/12 πληρωθη ο λογος ον ειπεν  
οτι ους δεδωκας μοι

1/2 ειπεν

1786c

3 ειπεν υμιν

827 1050 1446 1457

3-f1 ειπον υμιν

706 2620

4 ειπεν ο ιησους

2561

W3/4 ειπεν [4]

1786\*

Z DEF

P52	P59	P66	P90	P108	05s	011	013
087	0109	27	179s	246	274s	370	416
475s	500	514	649	731	731s	779	781
798	800	888	892	947	968	1143	1293
1343	1571s	1633	2282	2290	2399	2517	2526
2529	2535	2634	2650	2676	2679s	2725	2726
2782	2905	2908					

=====

■ 88 18, 9/14 πληρωθη ο λογος ον ειπεν  
οτι ους δεδωκας μοι

3 OM

10	498	792	891	895	982	1036	1091
1126	1138	1194	1202	1310	1317	1553	1816
2097	2422	2658	2710				

Z	DEF						
P52	P59	P66	P90	P108	05s	011	013
045	087	0109	27	179s	246	274s	370
376	416	475s	500	649	731	731s	779
781	798	800	888	892	947	1143	1293
1343	1571s	1633	2282	2290	2399	2517	2526
2529	2535	2634	2650	2676	2679s	2725	2726
2782	2905	2908					

89 18,9/18 ον ειπεν οτι ους  
δεδωκας  
μοι

1/2            δεδωκας

1346c

1/2-f1      δεδεωκας

976

1/2-f2      δεδωκα

2291

1/2-f3      δεκας

69

3                    εδωκας

P66	05	038	0211	114	158	207	389
-----	----	-----	------	-----	-----	-----	-----

489            581            699            1079            1219            1272            1346\*            1355

1627	1690	1699	2193	2404	2411	2463	2902
------	------	------	------	------	------	------	------

Z	DEF						
P52	P59	P90	P108	05s	011	013	087
0109	27	179s	246	274s	370	376	416
475s	500	649	731	731s	779	781	798
800	888	892	947	1143	1293	1343	1404
1421	1571s	1633	2282	2290	2399	2517	2526
2529	2535	2634	2650	2676	2679s	2725	2726
2782	2905	2908					

■ 90 18, 9/20 ον ειπεν οτι ους δεδωκας  
μοι  
ουκ απωλεσα

1/2 μοι

679c 1797c

3 με

64 1784s 2147 2894

4 OM

6 679\* 1797\*

Z DEF

P52	P59	P60	P90	P108	05s	011	013
087	0109	27	179s	246	274s	370	416
475s	500	649	731	731s	779	781	798
800	888	892	947	1293	1343	1404	1571s
1633	2282	2290	2399	2517	2526	2529	2535
2634	2650	2676	2679s	2725	2726	2782	2905
2908							

=====

■ 91 18, 9/22-30 οτι ους δεδωκας μοι  
ουκ απωλεσα εξ αυτων ουδενα

1/2 ουκ απωλεσα εξ αυτων ουδενα

030c 776c 1675c

1/2-f1 ουκ απωλεσα εξ αυτων οσδενα

1344

1/2-f2 ουκ απωλεσα εξ αυτων ουδενα

776\*

1/2-f3 ουκ απωλεσα εξ εξ αυτων ουδενα

881

1/2-f4 ουκ απω εξ αυτων ουδενα

1675*							
1/2-f5	ουκ απωλεσα εξ αυτων ου						
030*							
1/2-f6	ουκ απωλεσα εξ αυτου ουδενα						
02							
1/2-f7	ουκ απωλεσα εξ αυτους ουδενα						
2127							
3	ουκ απολεσω εξ αυτων ουδενα						
988	1081	1082	1190	1200s	1409	1470	1540
1604	2132						
3-f1	ουκ απελεσω εξ αυτων ουδενα						
784							
4	ου μη απολεσω εξ αυτων ουδενα						
2499							
5	εξ αυτων ουκ απολεσα ουδενα						
472							
6	εξ αυτων ουδενα απωλεσα						
05							
7	ουκ απωλεσα ουδενα						
109							
W	ου[κ α]πωλ[εσα] εξ α[υτων ουδ]ενα						
P66							
Z	DEF						
P52	P59	P60	P90	P108	05s	011	013
087	0109	27	179s	246	274s	370	416
475s	500	649	731	731s	779	781	798

800	888	892	947	1143	1293	1343	1404
1571s	1633	2282	2290	2399	2517	2526	2529
2535	2634	2650	2676	2679s	2725	2726	2782
2905	2908						

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■ 92 18,10/2-6

Σιμων ουν Πετρος  
εχων μαχαιραν

1/2 σιμων ουν πετρος

276c 1552c

1/2-f1 ιμων ουν πετρος

16 276\* 892s

1/2-f2 σιμω ουν πετρος

2265

1/2-f3 σιμων πετρος ουν

1640

3 σιμων πετρος

1212

4 σιμων ουν

1059 1552\*

5 τοτε σιμων πετρος

05

Z DEF

P52	P59	P66	P90	P108	05s	011	013
087	0109	27	179s	246	274s	370	416
475s	500	649	731	731s	779	781	798
800	863	892	947	1143	1293	1343	1571s
1633	2282	2290	2399	2517	2526	2529	2535
2567	2634	2650	2676	2679s	2725	2726	2782
2905	2908						

=====

■ 93	18, 10/8-10	Σιμων ουν Πετρος εχων μαχαιραν ειλκυσεν αυτην
1/2-f1	εχων μαχαιραν	
1504		
1/2-f2	εχων μαχα	
973		
1/2-f3	εχων μαχαιρα	
1533	1567 2422	
1/2-f4	εχων μαχαιραν σιμων ουν πετρος εχων μαχαιραν	
87		
3	ειχεν μαχαιραν και	
2766		

Z	DEF						
P52	P59	P66	P90	P108	05s	011	013
087	0109	27	179s	246	274s	370	416
475s	500	649	731	731s	779	781	798
800	863	892	947	1293	1343	1571s	1633
2282	2290	2399	2517	2526	2529	2535	2567
2634	2650	2676	2679s	2725	2726	2782	2905
2908							

=====

■	18, 10/12	εχων μαχαιραν ειλκυσεν αυτην
1/2	ειλκυσεν	
170c	368c 1139c 1248c	
1/2-f1	εικυσεν	
170*		
1/2-f2	ειλκυσαν	



215	1248*		
1/2-f3	ελκυσεν		
73	288	723	1236
1/2-f4	ειλσεν		
1139*			
1/2-f5	ειλυσεν		
368*			
1/2-f6	ειληνσεν		
545			
=====			
■	18, 10/14-18	εχων μαχαιραν ειλκυσεν αυτην και επαισεν τον του αρχιερεως δουλον	
1/2	αυτην και επαισε		
1789c			
1/2-f1	OM		
1789*			
=====			
■ 94	18, 10/14	εχων μαχαιραν ειλκυσεν αυτην και επαισεν	
1/2	αυτην		
1139c	1789c		
1/2-f1	αυτον		
1139*	1644		
3	ταυτην		
1173	1385		
Z	DEF		

P52	P59	P60	P66	P90	P108	05s	011
013	087	0109	27	179s	246	274s	370
416	475s	500	649	731	731s	779	781
798	800	863	888	892	904	947	976
1143	1293	1343	1571s	1633	1789*	2282	2290
2399	2517	2526	2529	2535	2567	2634	2650
2676	2679s	2725	2726	2782	2905	2908	
=====							

■ 95 18,10/16 εχων μαχαιραν ειλκυσεν αυτην  
και  
επαισεν τον του αρχιερεως δουλον

1/2 και

1789c

1/2-f1 και και

1458

3 OM

1149

Z DEF

P52	P59	P66	P90	P108	05s	011	013
087	0109	27	179s	246	274s	370	416
475s	500	649	731	731s	779	781	798
800	863	888	892	904	947	1293	1343
1388	1571s	1633	1789*	1803	2282	2290	2399
2517	2526	2529	2535	2567	2634	2650	2676
2679s	2725	2726	2782	2905	2908		
=====							

■ 18,10/18 ειλκυσεν αυτην και  
επαισεν  
τον του αρχιερεως δουλον

1/2 επαισεν

235c\* 719c 1357c 1426c\* 1450c 1458c

1/2-f1 [επ]εσεν

P66

1/2-f2	επεσεμ		
2502			
1/2-f3	επεσαν		
2633			
1/2-f4	επισε		
229	1450*	1458*	
1/2-f5	επησε		
70			
1/2-f6	επεσ		
1357*			
1/2-f7	παισε		
719*			
1/2-f8	επσε		
235*			
1/2-f9	ελκυσεν αυτην		
1135			
1/2-f10	επαισεν [6-9]		
1426*			

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■ 96	18, 10/20-26	και επαισεν τον του αρχιερεως δουλων και απεκοψεν αυτου το ωταριον
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1/2	τον του αρχιερεως δουλων
368c	1338c 1804c 1808c
1/2-f1	τον τον του αρχιερεως δουλων
1804*	2292

1/2-f2 [τον] του αρχιερεως δουλων

342

1/2-f3 τον του αρχιεως δουλων

1131

1/2-f4 τον του αρχιερε δουλων

96

1/2-f5 τον του αρχιερεως δουδον

562

1/2-f6 τον του αρχιερεως δουλων

368\*

1/2-f7 τον του αρχιερεου δουλων

2422

1/2-f8 τον του αρχιερεως δουλοι

6

3 τον δουλων του αρχιερεως

P66	01	05	48	107	184	267	347
561	780	927	945	954	1029	1079	1230
1403	1502	1573	1593	1606	1675	1695	1786
2133	2191	2656	2718	2722			

3-f1 τον δουλων του αρχιερεως

766 1424

4 του αρχιερεως δουλων

409 1808\* 2711

4-f1 του αρχιερεο δουλων

1338\*

5 τον αρχιερεως δουλων

745	1262	1649					
Z	DEF						
P52	P59	P60	P90	P108	05s	011	013
087	0109	27	179s	246	274s	370	416
475s	500	649	731	731s	779	781	798
800	863	888	892	904	947	1293	1343
1388	1404	1421	1558	1571s	1633	1803	2282
2290	2399	2517	2526	2529	2535	2567	2634
2650	2676	2679s	2725	2726	2782	2905	2908

=====

■ 97 18,10/28-40 και επαισεν τον του αρχιερεως δουλων  
και απεκοψεν αυτου το ωταριον το δεξιον  
ην δε ονομα τω δουλω Μαλχος

3 OM

1269

Z	DEF						
P52	P59	P90	P108	05s	011	013	087
0109	27	179s	246	274s	370	416	475s
500	649	731	731s	779	781	798	800
863	892	904	947	1293	1343	1388	1571s
1633	2282	2290	2399	2517	2526	2529	2535
2567	2634	2650	2676	2679s	2725	2726	2782
2905	2908						

=====

■ 98 18,10/28 και επαισεν τον του αρχιερεως δουλων  
και  
απεκοψεν αυτου το ωταριον το δεξιον

1/2 και

473c

1/2-f1 και και

728

3 OM

473\*

Z	DEF						
P52	P59	P90	P108	05s	011	013	087
0109	27	179s	246	274s	370	416	475s
500	649	729	731	731s	779	781	798
800	863	888	892	904	947	1269	1293
1343	1388	1571s	1633	2282	2290	2399	2517
2526	2529	2535	2567	2634	2650	2676	2679s
2725	2726	2782	2905	2908			
=====							

■ 99      18,10/30      και  
 απεκοψεν  
 αυτου το ωταριον το δεξιον

1/2      απεκοψεν

038c\*

1/2-f1      απεκο[1]ψεν

113

1/2-f2      επεκοψεν

298

1/2-f3      απεκοτ(εν)

2475

1/2-f4      απεκοψον

1325

1/2-f5      απεκοψαν

1081      1808

1/2-f6      πεκοψεν

038\*

3      εκοψεν

16      152      555      793      892s      1273

4      αφειλεν

725	1402	1424	2295				
Z	DEF						
P52	P59	P60	P90	P108	05s	011	013
087	0109	0290	27	179s	246	274s	370
416	475s	500	514	649	729	731	731s
779	781	798	800	863	888	892	904
947	1269	1293	1343	1388	1558	1571s	1633
2282	2290	2399	2517	2526	2529	2535	2567
2634	2650	2676	2679s	2725	2726	2782	2905
2908							
=====							

■ 100      18, 10/32-36      και απεκοψεν  
αυτου το ωταριον  
το δεξιον

1      αυτου το ωτιον

04c      595c\*      1142c      2172c      2404c

1-f1      αυτου το ωιον

96      890

1-f2      του το ωτιον

2404\*

1-f3      αυτου το ωτιον [4]

2172\*

1-f4      αυτου [3-6] ωτιον

796\*

1-f5      αυτου [2-3] ωτιον

796c

2      αυτου το ωταριον

P60      01      03      04\*      019      032      033      861  
865

3      το ωτιον αυτου

P66	520	544	689	927	1059	1131	1462
1480	1508	1541c1	1584	1614	1618	1634	1702
2311	2689						
4	το ωταριον αυτου						
1541*							
5	το ωτιον						
595*	841	1200s					
6	αυτο το ωτιον						
1142*	1158	1325					
7	αυτο ωτιον						
288							
8	αυτου το ωτιον αυτου						
1299							
Z	DEF						
P52	P59	P90	P108	05s	011	013	087
0109	0290	27	179s	246	251	274s	370
416	475s	500	649	731	731s	779	781
798	800	863	892	904	947	1041	1143
1269	1293	1343	1388	1571s	1633	1803	2282
2290	2399	2517	2526	2529	2535	2567	2634
2650	2676	2679s	2725	2726	2782	2905	2908

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■ 101 18, 10/38 και απεκοψεν αυτου το ωταριον  
το  
δεξιον

1/2 το

168c

3 OM

168\*



Z	DEF						
P52	P59	P60	P90	P108	05s	011	013
087	0109	0290	27	28	179s	246	274s
370	416	475s	500	649	729	731	731s
779	781	798	800	863	892	904	947
976	1041	1269	1293	1343	1388	1571s	1633
1803	2282	2290	2399	2517	2526	2529	2535
2567	2634	2650	2676	2679s	2725	2726	2782
2905	2908						

■ 102 18,10/42-52

ην δε ονομα τω δουλω Μαλχος

1/2 ην δε ονομα τω δουλω μαλχος

40*	154c	523c*	527c	892sc	934c	963c	2120c
2684c	2724c						

1/2-f1 ην δε ομα τω δουλω μαλχος

2693s

1/2-f2 ην δε ονα τω δουλω μαλχος

525c\*

3 ην ονομα τω δουλω μαλχος

357	527*	901	963*	2684*
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4 ην δε ονομα αυτω τω δουλω μαλλος

70

5 ην δε ονομα αυτου τω δουλω μαλλος

2884

6 ην δε το ονομα αυτου μαλχος

2766

7 ην δε ονομα τω δουλω μαλμος

1248

8	ην δε ονομα τω δουλω μαλλος							
287	745							
9	ην δε ονομα του δουλου μαλχος							
2311								
10	ην δε το ονομα τω δουλω μαλχος							
033	4	16	68	154*	170	182	263	
365	496	513	557	677	679	680	726	
733	784	829	865	892s*	903	931	934*	
977	1065	1074	1081	1113	1171	1187	1228	
1234	1261	1279	1297	1375	1377	1463	1546	
1574	1780	1797	2106	2206	2220	2478	2545c	
2608	2868							
10-f1	ην δε τα ονομα τω δουλω μαλχος							
706								
10-f2	ην δε τ ονομα τω δουλω μαλχος							
1310								
11	ην δε το ονομα του δουλου μαλχος							
495	755	1128	1288	1291	1579	2591	2786	
11-f1	η δε το ονομα του δουλου μαλχος							
1243								
12	ην δε ονομα τω δουλω εκεινω μαλχος							
13	40c	296	297	377	807	1036	1349	
2236								
13	ην δε ονομα του δουλου εκεινου μαλχος							
552								
14	ην δε το ονομα τω δουλω εκεινω μαλχος							
27s	891	1319						

15 ην δε το ονομα του δουλου εκεινου μαλχος

05c\*

15-f1 ην δε τ ονομα του δουλου εκεινου μαλχος

05\*

16 ην δε τω δουλω μαλχος

2120\* 2283

16-f1 ην δε τ τω δουλω μαλχος

525\*

17 OM

118s 1004 2724\*

W1/2/6 ην δε ονομα το ονομα τω δουλω μαλχος

2545\*

W-f1 ην δε ονομα του δουλω μαλχος

523\* 2760

W-f2 ην δε ονομα τω του δουλω μαλχος

1008

W-f3 ην δε το ονομα του δουλω μαλχος

2148

Z DEF

P52	P59	P90	P108	05s	011	013	087
0109	0290	27	179s	246	274s	370	416
475s	500	514	649	729	731	731s	779
781	798	800	863	892	904	947	1041
1143	1293	1343	1388	1421	1558	1571s	1633
1803	2129	2282	2290	2399	2470	2517	2526
2529	2535	2567	2634	2650	2676	2679s	2725
2726	2782	2905	2908				

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■ 103 18,10/53 ην δε ονομα τω δουλω Μαλχος  
SINE ADD.

3 ADD ο και ραπισας αυτον

1673

Z DEF

P52	P59	P90	P108	05s	011	013	087
0109	0290	27	179s	246	274s	370	416
475s	500	649	731	731s	779	781	798
800	863	892	904	947	1041	1293	1343
1571s	1633	2282	2290	2399	2517	2526	2529
2535	2567	2634	2650	2676	2679s	2725	2726
2782	2905	2908					

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■ 104 18,11/2-4  
ειπεν ουν  
ο Ιησους τω Πετρω

1/2 ειπεν ουν

260c 2414c 2653c

1/2-f1 ειπεν ο ουν

148

1/2-f2 ει ουν

260\* 1200s

1/2-ο ειπον ουν

61

1/2B και ειπεν ουν

1966\*

3 ειπεν

31	45	231	279	349	518	581	784
829	895	1082	1135	1208	1316	1329	1335

1348	1568	1670	2141	2388	2404	2414*	2653*
3B	και ειπεν						
1966c							
4	ειπεν δε						
435s	792	2107	2643				
Z	DEF						
P52	P59	P60	P90	P108	05s	011	013
087	0109	0290	27	179s	246	274s	370
416	475s	500	514	649	729	731	731s
779	781	798	800	863	888	892	904
947	1041	1143	1293	1343	1558	1569	1571s
1633	2282	2290	2399	2517	2526	2529	2535
2567	2634	2650	2676	2679s	2725	2726	2782
2905	2908						
=====							
■	18,11/5	ειπεν ουν SINE ADD ο Ιησους τω Πετρω					
1/2	SINE ADD						
2670*							
1/2-f1	ADD αυτοις						
2670c							
=====							
■ 105	18,11/6-8	ειπεν ουν ο Ιησους τω Πετρω					
1/2	ο ιησους						
132c	2404c						
3	ιησους						
109	132*	652	1519	2404*	2492		
4	ΟΜ						

2643

Z	DEF						
P52	P59	P60	P66	P90	P108	05s	011
013	087	0109	0290	27	179s	246	274s
370	416	475s	500	649	729	731	731s
779	781	798	800	863	888	892	904
947	1041	1293	1343	1558	1571s	1633	2282
2290	2399	2517	2526	2529	2535	2567	2634
2650	2676	2679s	2725	2726	2782	2905	2908

=====

■ 106 18,11/10 ειπεν ουν ο Ιησους  
τω  
Πετρω

1/2 τω

95c

3 OM

95\* 562

Z	DEF						
P52	P59	P90	P108	05s	011	013	087
0109	27	179s	246	274s	370	416	475s
500	649	729	731	731s	779	781	798
800	863	888	892	904	947	1041	1293
1343	1558	1571s	1633	1803	2282	2290	2399
2517	2526	2529	2535	2567	2634	2650	2676
2679s	2725	2726	2782	2905	2908		

=====

■ 18,11/14 βαλε  
την μαχαιραν

1/2 βαλε

011sc 1171c

1/2-f1 αλε

982

1/2-f2 βαλεν

1171\* 2415

1/2-f3 βαλε εις

011s\*

=====

■ 18, 11/16 βαλε  
την  
μαχαιραν

1/2 την

2545c

1/2-f1 την την

2181

1/2-f2 την [3-4]

2545\*

=====

■ 18, 11/18 βαλε την  
μαχαιραν

1/2 μαχαιραν

297c 495c 1083c 1660c

1/2-f1 μααιραν

16

1/2-f2 μαχαραν

495\*

1/2-f3 μαραν

11

1/2-f4 χαιραν

297*	346						
1/2-f5	μαχαιρα						
811	1083*	1123	1660*	2643			
=====							
■ 107	18, 11/20-24	βαλε την μαχαιραν εις την θηκην					
1/2	εις την θηκην						
29*	65*	66*	78*	126*	145*	165c	210c
365c	399*	582*	648c	691*	746c	806c	929*
973c	1138*	1149*	1173*	1215c	1335c	1425*	1484*
1589*	1671*	2121*	2131*	2193*	2426*	2684*	
1/2-f1	εις την θηκην						
562							
1/2-f2	εις την θηκη						
1214*							
3	σου εις την θηκην						
031s	1	10	14	15	24	27s	28
29c1	32	34	36	39	40	43	46
48	49	51	52	53	54	55	57
59	60	63	64	65c*	66c1	68	71
73	74	77	78c	79	86	89	90
105	107	108	113	116	117	119	121
126c	131	133	135	137	140	142	143
145c*	148	151	153	154	156	157	159
162	164	166	168	169	178	179	180
185	186	187	190	191	193	194	195
196	198	202	205	208	209	210*	212
217	218	220	225	229	232	234	239
240	244	248	259	261	263	266	267
268	269	270	272	279	282	288	289
292	295	296	297	301	303	305	306
315	317	324	330	332	333	335	344s
347	349	353	355	364	365*	367	368
373	374	376	377	379	380	390	391
392	393	395	397	399c	403	405	410
412	413	414	422	423	428	431	438



443	445	446	449	470	475	476	478
481	483	484	490	491	492	494	498
513	519	522	523	524	525	527	528
529	533	534	538	544	545	548	549
551	552	554	557	560	561	564	569
574	577	578	579s	580	582c*	585	600
648*	656	657	661	662	663	666s	679
680	683	684	686	688	691c	695	700
707	711	715	716	719	723	724	726
727	729	730	732	733	734	736	741
742	743	744	746*	747	748	749	754
755	759	761	762	766	769	770	771
772	777	778	780	783	785	786	787
790	792	794	796	801	806*	807	808
809	811	817	818	819	820	830	833
834	835	836	839	841	844	851	852
854	855	856	857	861	862	864	874
878	881	883	886	889	891	892s	895
900	901	902	903	905	925	926	927
929c	931	933	934	939	946	949	954
956	957	963	965	971	972	973*	975
976	979	980	982	986	987s	989	990
993	995	997	998	999	1001	1004	1007
1010	1012	1013	1019	1021	1024	1026	1029
1031	1035	1036	1037	1043	1054s	1056	1060
1064	1074	1076	1078	1082	1083	1085	1086
1087	1090	1091	1094	1096	1110	1113	1121
1123	1126	1127	1136	1138c	1139	1141	1144
1149c	1152	1160	1163	1170	1171	1172s	1173c
1178	1182	1188	1194	1197	1198	1200s	1201
1202	1203	1204	1208	1209	1212	1213	1215*
1217	1226	1237	1238	1239	1242	1252	1256
1261	1262	1263	1265	1266	1280	1289	1290
1291	1292	1297	1299	1300	1301	1302	1303
1305	1310	1312	1315	1318	1319	1325	1327
1331	1335*	1336	1344	1345	1347	1350	1353
1354	1355	1357	1364	1375	1377	1387s	1391
1393	1394	1395	1396	1397	1403	1406	1413
1418	1422	1424	1425c	1432	1434	1436	1439
1443	1445	1450	1452	1454	1456	1458	1463
1465	1466	1472	1479	1483	1484c	1486	1495
1498	1502	1504	1506	1512	1513	1519	1531
1532	1533	1534	1535	1536	1538	1541	1545
1546	1547	1553	1554	1557	1568	1573	1580
1586	1588	1589c*	1592	1593	1594	1597	1598
1609	1613	1615	1622s	1624	1627	1629	1630
1635	1639	1640	1641	1642	1643	1644	1645
1649	1652	1653	1660	1663	1665	1670	1671c
1672	1673	1675	1677	1684	1685	1690	1693

1697	1707	1780	1783	1784s	1787	1788	1792
1797	1802	1804	1823	1901	1966	2099	2101
2106	2109	2117	2120	2121c	2127	2131c	2133
2136	2137	2139	2141	2147	2148	2159	2172
2173	2178	2181	2185	2188	2191	2192	2193c
2206	2214	2220	2224	2238	2244	2245	2255
2263	2266	2277	2278	2280	2282s	2283	2290s
2291	2301	2314	2315	2321	2370	2374	2375
2381	2387	2388	2389	2397	2398	2406	2414
2420	2422	2426c	2446	2452	2454	2458	2462
2467	2470	2472	2474	2476	2478	2482	2483
2490	2492	2494	2497	2499	2500	2509	2511
2515	2516	2518	2523	2525	2533	2562	2573
2590	2603	2605	2606	2611	2616	2622	2624
2637	2641	2643	2645	2649	2658	2660	2661
2665	2666	2670	2673	2679	2680	2684c	2691
2693s	2694	2695	2703	2708	2710	2711	2713
2732	2735	2737	2750	2756	2758s	2760	2765
2774	2779	2810	2812	2813	2856	2860	2868
2886	2894	2897	2900				

3-f1 σου εις την θηκη

1191 1214c 2247

3-f2 σου εις την θην

502

4 εις την θηκην σου

1059 1135

5 εις την θηκην αυτης

033	0211	80*	150	188	706	725	992
1050	1061	1093	1402	1446	1449	1457	1595
2129	2295	2371	2487	2620	2747	2768	

5-f1 εις την θηκην αυτην

865

6 σου εις την θηκην αυτης

13	69	76	80c1	124	213	247	346
508	543	651	788	799	826	827	828
858	996	1017	1084	1122	1128	1193	1387
1485	1549	1577	1623	1651	1654	1678	1695

1819	2118	2146	2215	2311	2514	2608	2653
2656	2707	2718	2749	2786			
6-f1	σου εις την θηκην αυτοις						
011s							
6-f2	σου εις την θηκην αυτου						
273s							
7	σου εις την θηκην σου						
359	1267						
8	σου εις τον τοπον αυτης						
1689							
W1/2/4/5	εις την [θηκην]						
P60	P66						
Z	DEF						
P52	P59	P90	P108	05s	011	013	087
0109	0290	27	165*	179s	246	274s	283
370	416	475s	500	514	649	720	731
731s	779	781	798	800	863	888	892
904	947	1041	1092	1143	1293	1343	1400
1558	1569	1571s	1633	1803	2282	2290	2399
2517	2526	2529	2535	2567	2634	2650	2676
2679s	2725	2726	2782	2905	2908		
=====							

■ 108	18, 11/25	βαλε την μαχαιραν εις την θηκην
		SINE ADD
1/2	SINE ADD	
2561c		
3	ADD παντες γαρ οι λαβοντες μαχαιραν εν μαχαιρα απολουνται	
038		
3-f1	ADD παντες γαρ οι λαβοντες μαχαιραν εν μαχαιρω απολουνται	

807

3-f2 ADD παντες γαρ οι λαβοντες μαχαιραν εν μαχαιρη απολουνται

2561\*

Z DEF

P52	P59	P60	P90	P108	05s	011	013
087	0109	27	179s	246	274s	283	370
416	475s	500	649	731	731s	779	781
798	800	863	888	892	904	947	1041
1092	1293	1343	1400	1571s	1633	2282	2290
2399	2517	2529	2535	2567	2634	2650	2676
2679s	2725	2726	2782	2905	2908		

■ 109 18, 11/26 βαλε την μαχαιραν εις την θηκην  
το  
ποτηριον ο δεδωκεν

1/2-f1 ο

1135 1331

3 το δε

772 2766

4 το γαρ

696

5 OM

168

Z DEF

P52	P59	P60	P66	P90	P108	05s	011
013	087	0109	0290	27	179s	246	274s
283	370	416	475s	500	649	731	731s
779	781	798	800	863	892	904	947
1041	1092	1119	1293	1343	1400	1421	1571s
1633	2282	2290	2399	2517	2529	2535	2567
2634	2650	2676	2679s	2725	2726	2782	2905
2908							

■ 18,11/28 το  
ποτηριον  
ο δεδωκεν

1/2 ποτηριον

672c\* 2141c

1/2-f1 ποτητιον

2615

1/2-f2 ποτηρι

2141\*

1/2-f3 ποριον

672\*

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■ 110 18,11/30 το ποτηριον  
ο  
δεδωκεν μοι ο πατηρ

3 ον

1122 1204 1353 2174 2727

4 OM

193 505

Z DEF

P52	P59	P60	P90	P108	05s	011	013
087	0109	0290	27	179s	246	274s	283
370	416	475s	500	649	729	731	731s
779	781	798	800	863	892	904	947
1041	1092	1119	1143	1293	1343	1400	1571s
1633	2282	2290	2399	2517	2526	2529	2535
2567	2634	2650	2676	2679s	2725	2726	2782
2905	2908						

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■ 111 18,11/32 το ποτηριον ο  
δεδωκεν  
μοι ο πατηρ

1/2	δεδωκεν						
931 <sub>c</sub>	1642 <sub>c</sub> *						
1/2-f1	δεδωδεκε						
192							
1/2-f2	δε[δωκε]						
1009 <sub>c</sub>							
1/2-f3	δεδοκες						
1519							
1/2-f4	δεδωκας						
13	931*	1081	1325				
3	εδωκεν						
05	022	037	038	044	0211	24	32
57	77	108	118 <sub>s</sub>	175	180	269	276
406	506	558	574	657	669	690	718
987 <sub>s</sub>	998	1011	1048	1087	1110	1128	1191
1195	1222	1424	1441	1606	1630 <sub>c</sub>	1642*	1643
1709	2132	2145	2328	2386	2400	2458	2622
2687	2694	2695	2775 <sub>s</sub>				
W1/2/3	δωκε						
1630*							
Z	DEF						
P52	P59	P60	P90	P108	05 <sub>s</sub>	011	013
087	0109	0290	27	179 <sub>s</sub>	246	274 <sub>s</sub>	283
370	416	475 <sub>s</sub>	500	649	729	731	731 <sub>s</sub>
779	781	798	800	863	892	904	947
1009*	1041	1092	1119	1293	1343	1400	1571 <sub>s</sub>
1633	2282	2290	2399	2517	2526	2529	2535
2567	2634	2650	2676	2679 <sub>s</sub>	2725	2726	2782
2905	2908						
=====							

■ 112 18, 11/34 το ποτηριον ο δεδωκεν  
μοι  
ο πατηρ

1/2 μοι

24c 119c

1/2-f1 με

274 1409

1/2-f2 μοι [2-10]

2422

3 OM

24\* 119\* 2643

Z DEF

P52	P59	P60	P90	P108	05s	011	013
087	0109	0290	27	179s	246	274s	283
370	416	475s	500	514	649	729	731
731s	779	781	798	800	863	892	904
947	1041	1092	1119	1293	1343	1400	1558
1571s	1633	1803	2282	2290	2307	2399	2470
2517	2526	2529	2535	2567	2634	2650	2676
2679s	2725	2726	2782	2905	2908		

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■ 113 18, 11/38 δεδωκεν μοι ο  
πατηρ  
ου μη πιω αυτο

1/2 πατηρ

534c

3 πατηρ μου

P66	48	69	127	132	137	175	305
352	357	375	397	519	534*	574	700
713	715	747	762	780	782	974	1001
1006	1136	1268	1291	1577	1654	1701	1797
2252	2397	2405	2516	2524	2528	2615	2718
2728	2794						

Z	DEF						
P52	P59	P60	P90	P108	05s	011	013
087	0109	27	179s	246	274s	283	370
416	475s	500	649	731	731s	779	781
798	800	863	892	904	947	1041	1092
1119	1143	1293	1343	1400	1553	1558	1571s
1633	1803	2282	2290	2307	2399	2517	2529
2535	2567	2634	2650	2676	2679s	2725	2726
2782	2905	2908					

114 18, 11/40-44 δεδωκεν μοι ο πατηρ ου μη πιω αυτο

3 δυναμαι πειν

2718

Z	DEF						
P52	P59	P60	P90	P108	05s	011	013
087	0109	27	179s	246	274s	283	370
416	475s	500	649	731	731s	779	781
798	800	863	892	904	947	1041	1092
1119	1143	1293	1343	1400	1553	1558	1571s
1633	2282	2290	2307	2399	2517	2529	2535
2567	2634	2650	2676	2679s	2725	2726	2782
2905	2908						

18, 11/42 δεδωκεν μοι ο πατηρ ου μη πιω αυτο

1/2-f1 μη ου μη

1432

115 18, 11/44-46 δεδωκεν μοι ο πατηρ ου μη πιω αυτο

3 αυτο πιω

2311



4	πιω						
1009							
Z	DEF						
P52	P59	P60	P90	P108	05s	011	013
087	0109	0290	27	179s	246	274s	283
370	416	475s	500	649	731	731s	757
779	781	798	800	863	892	904	947
1041	1092	1119	1293	1343	1400	1553	1569
1571s	1633	2282	2290	2307	2399	2517	2529
2535	2567	2634	2650	2676	2679s	2725	2726
2782	2905	2908					

■	18, 11/44		ου μη πιω αυτο				
1/2	πιω						
1447c	2426c	2670c*					
1/2-f1	ποιω						
52	69	168	680	784	844	1122	1204
1269	1335	2192	2236	2426*	2670*	2721	
1/2-f2	ποω						
1447*							

■	18, 11/46	ου μη πιω αυτο
1/2-f1	αυτα	
2244		

■	116	18,12/2	η ουν σπειρα				
1/2	η						

1439c

3            ο

109        841        891        903        1325        1709        2148        2188

4            OM

1439\*

Z            DEF

P52	P59	P60	P90	P108	05s	011	013
087	0109	0290	27	179s	246	274s	283
370	416	475s	500	731s	736	779	781
798	800	863	892	904	947	976	1041
1092	1119	1293	1336	1343	1400	1553	1571s
1633	2185	2282	2287	2290	2307	2399	2470
2517	2529	2535	2567	2634	2650	2676	2679s
2725	2726	2782	2905	2908			

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■            18, 12/6            η ουν  
σπειρα  
και ο χιλιαρχος

1/2-f1        σπερα

1186

1/2-f2        πειρα

472        821        864        1691

=====

■    117            18, 12/8            η ουν σπειρα  
και  
ο χιλιαρχος και οι υπηρεται

1/2            και

1346c        2397c

1/2-f1        και [1]

1346\*

1/2-f2 OM

2397\*

3 και οι αρχιερεις και

1049 1093 1220 1342 2661

3-f1 και και οι αρχιερεις και

1666

Z DEF

P52	P59	P90	P108	05s	011	013	087
0109	27	179s	246	274s	283	370	416
475s	500	514	731s	779	781	798	800
863	892	904	947	1041	1092	1119	1293
1336	1343	1400	1558	1571s	1633	1803	2282
2287	2290	2307	2399	2517	2529	2535	2567
2634	2650	2676	2679s	2725	2726	2782	2905
2908							

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■ 118 18, 12/10-14 η ουν σπειρα και  
ο χιλιαρχος και  
οι υπηρεται

1/2 ο χιλιαρχος και

508c\*

1/2-f1 ο χιλιαρχης και

1011

1/2-f2 ο χιλιαρχον και

231 443

3 χιλιαρχος και

508\* 895

4 OM

1010

Z	DEF						
P52	P59	P90	P108	05s	011	013	087
0109	27	179s	246	274s	283	370	416
475s	500	514	731s	779	781	798	800
863	892	904	947	1041	1092	1119	1293
1336	1343	1400	1558	1571s	1633	1803	2282
2287	2290	2307	2399	2517	2529	2535	2567
2634	2650	2676	2679s	2725	2726	2782	2905
2908							

■ 119 18, 12/15 και ο χιλιαρχος και  
SINE ADD  
οι υπηρεται των Ιουδαιων

3 ADD ολον το συνεδριον και

2192

Z	DEF						
P52	P59	P90	P108	05s	011	013	087
0109	27	179s	246	274s	283	370	416
475s	500	731s	779	781	798	800	863
892	904	947	1041	1092	1119	1293	1336
1343	1400	1404	1558	1571s	1633	2282	2287
2290	2307	2399	2517	2529	2535	2567	2634
2650	2676	2679s	2725	2726	2782	2905	2908

■ 120 18, 12/16 και ο χιλιαρχος και  
οι  
υπηρεται των Ιουδαιων

1/2 οι

P66c\* 1059c 1504c1 2563c

3 OM

P66\* 59 180 493 538 745 796 1059\*  
1089 1504\* 2478 2546 2563\* 2810

Z	DEF						
P52	P59	P60	P90	P108	05s	011	013

087	0109	27	179s	246	248	274s	283
370	416	475s	500	731s	779	781	798
800	863	892	904	947	1041	1092	1119
1293	1336	1343	1400	1404	1421	1558	1571s
1633	2282	2287	2290	2307	2399	2517	2526
2529	2535	2567	2634	2650	2676	2679s	2725
2726	2782	2905	2908				

■ 18,12/18 και οι  
υπηρεται  
των Ιουδαιων συνελαβον

1/2-f1 πηρεται

0211 34 168 1335 2643

1/2-f2 υπερεται

04

■ 121 18,12/20-22 και οι υπηρεται  
των Ιουδαιων  
συνελαβον

1/2 των ιουδαιων

587c

1/2-f1 των ιοιουδαιων

1135

1/2-f2 των των ιουδαιων

587\*

3 του βασιλεως

1074

Z DEF

P52	P59	P90	P108	05s	011	013	087
0109	27	179s	246	274s	283	370	416
475s	500	731s	779	781	798	800	863
892	904	947	1041	1092	1119	1293	1336
1343	1400	1571s	1633	2282	2287	2290	2307

2399	2517	2529	2535	2567	2634	2650	2676
2679s	2725	2726	2782	2905	2908		
=====							

■	122	18, 12/24	και οι υπηρεται των Ιουδαιων συνελαβον τον Ιησουν και εδησαν αυτον
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1/2-f1      συνεβαλον

61            977

1/2-f2      συνελαβοντο

054            839            1486

3            ελαβον

684	727	729	731	749	820	834	835
883	1182	1203	1252	1261	1533	1536	1546
2185	2452						

4 συλλαβοντες

1288

Z DEF

P52	P59	P90	P108	05s	011	013	087
0109	27	179s	246	274s	283	342	370
416	475s	500	731s	779	781	798	800
863	892	904	947	1041	1092	1119	1143
1293	1336	1343	1400	1558	1571s	1633	2282
2287	2290	2307	2399	2517	2529	2535	2567
2634	2650	2676	2679s	2725	2726	2782	2905
2908							

■ 123 18,12/26-34 συνελαβον  
τον Ιησουν και εδησαν αυτον

1/2 τον ιησουν και εδησαν αυτον

591c\*

1/2-f1 το ιησουν και εδησαν αυτον

2389

1/2-f2	τον ιησουν και ιδησαν αυτον						
537	1089						
1/2-f3	τον ιησουν και ειδησαν αυτον						
1808							
1/2-f4	τον ιησουν και εδησον αυτον						
1456							
3	τον ιησουν εδησαν αυτον						
40	169						
4	τον ιησουν και εδησαν						
299							
4B	και εδησαν τον ιησουν						
1050	1446	2620	2707				
5	τον ιησουν						
30	827	1819	1820	2129	2680	2786	
6	τον ιησουν και δησαντες αυτον						
520							
W	τ[ον] ιησουν [και εδησ]αν αυτο[ν]						
P66							
W1/2/4	τον ιησουν και εδησαν [5-6]						
591*							
Z	DEF						
P52	P59	P60	P90	P108	05s	011	013
087	0109	0290	27	179s	246	274	283
370	416	475s	500	731s	779	781	798
800	863	888	892	904	947	1041	1092
1119	1143	1293	1336	1343	1400	1558	1569
1571s	1633	1803	1804	2282	2287	2290	2307

2399	2475	2517	2526	2529	2535	2567	2634
2650	2676	2679s	2725	2726	2782	2905	2908

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■ 124            18, 13/2-24/20  
18·13-24

1/2            18·13-24

443c            776c

3            18·13, 24, 14-23

776\*

4            18·13, 24, 14-24

159            443\*            1195            1455            1498            1606            1630

5            18·13α, 24, 13β, 14-24

225            2900

6            18·13-14, 24, 14-24

1819            2129

7            18·13-14, 24, 14, 15β-17, 19-24

1820

Z            DEF

P52	P59	P90	P108	05s	011	013	087
0109	27	179s	246	274	283	370	416
475s	500	649	731s	779	781	798	800
863	888	892	904	947	1041	1092	1119
1293	1336	1343	1400	1571s	1633	1804	2282
2287	2290	2399	2517	2529	2535	2567	2634
2650	2676	2679s	2725	2726	2782	2905	2908

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■ 125            18, 13/2-10

και ηγαγον προς Ανναν πρωτον  
ην γαρ πενθερος του Καιαφα



1	και απηγαγον αυτον προς ανναν πρωτον						
	04c2	61c	154c	656c	685c	881*	1495c 1676c
	1792c	2192c	2783*				
1-f1	και απηγαγον αυτον προς ανναν πρωτον						
	137	2229					
1-f2	και απηγαγον αυτον προς ανναν πρωτον						
	445						
1-f3	και απηγαγον αυτον πρ ανναν πρωτον						
	1792*						
1-f4	και απηγον αυτον προς ανναν πρωτον						
	2635						
1-f5	και απηγαγον υτον προς αναν πρωτον						
	892s						
1-f6	και απηγαγον αυτον προς ανναν πρωτον						
	828						
1-f7	ιουκερ και απηγαγον αυτον προς ανναν πρωτον						
	881c						
1-f8	και απηγαγον αυτον [2] προς ανναν πρωτον						
	61*						
1-f9	και απηγαγον υτον προς ανναν πρωτον						
	16						
2	και ηγαγον προς ανναν πρωτον						
	P66	01*	03	05	032	579s	
3	απηγαγον αυτον προς ανναν πρωτον						
	169	520	656*				

4	και ηγαγον αυτον προς ανναν πρωτον							
	69	87	96	124	207	277	422	562
	595	788	1220	1242	1654	2561		
5	και απηνεγκαν αυτον προς ανναν πρωτον							
	505							
6	και απηγαγον προς ανναν πρωτον							
	P60	01Cca	04*	011s	022	033	037	0141
	33	39	48	78	132	154*	162	168
	175	180	213	279	295	303	315	333
	352	379	392	412	419	423	428	440
	446	508	523	529	684	694	720	723
	727	729	731	732	733	734	741	742
	743	744	749	760	780	782	794	799
	817	818	819	820	821	833	834	835
	841	854	855	857	858	862	865	874
	878	883	886	949	990	993	1001	1006
	1009	1013	1029	1061	1071	1082	1085	1160
	1199	1213	1252	1256	1261	1263	1265	1267
	1268	1297	1301	1302	1321	1387	1448	1461
	1506	1513	1533	1534	1536	1613	1653	1660
	1676*	1677	1684	1700	1701	1707	1819	1820
	2106	2129	2148	2185	2188	2206	2214	2252
	2397	2405	2452	2470	2524	2530	2573	2590
	2728	2735	2747	2750	2783c	2794		
6-f1	και απηγαγον προς ανναν πρωτον							
	2192*							
7	και απηγαγον αυτον προς αννα πρωτον							
	117	166	368	829	1353	2411	2495	2727
8	και απηγαγον προς αννα πρωτον							
	519	1431						
9	και απηγαγον προς ανναν							
	1021							
10	και απηγαγον πρωτον							

114							
11	και απηγαγον αυτον πρωτον προς ανναν						
1084							
12	και απηγαγον αυτον προς τον ανναν πρωτον						
60	1171	1454	1495*	1651	1685	2555	
13	και απηγαγον προς τον ανναν πρωτον						
974							
14	και απηγαγον αυτον προς ανναν τον αρχιερεα πρωτον						
27s							
15	και απηγαγον αυτον προς ανναν τον πρωτον						
1008							
16	και απηγαγον αυτον προς ανναν						
349	1568	2388					
17	και ηγαγον αυτον δησανες προς ανναν πρωτον						
2786							
18	και απηγαγον αυτον προς ιυςναν πρωτον						
1194							
19	και απηγαγον αυτον προς ανναν καποτον						
2406							
W-f1	και προς ανναν πρωτον						
1387s							
Z	DEF						
P52	P59	P90	P108	05s	011	013	087
0109	0290	27	179s	246	274	283	342
370	416	475s	500	514	649	685*	731s
779	781	798	800	863	888	892	904

947	1041	1092	1119	1143	1182	1293	1336
1343	1400	1558	1569	1571s	1633	1803	1804
2282	2287	2290	2307	2399	2517	2529	2535
2567	2632	2634	2650	2676	2679s	2725	2726
2782	2900	2905	2908				

■ 18,13/8-14/6 και ηγαγον προς  
13 Ανναν πρωτον ... 14 ην δε Καιαφας  
ο συμβουλευσας τοις Ιουδαιοις

1/2-f1 ανναν ... καιαφα και ου ην αρχιερεως ... 14 ην δε καιαφας

165c

W [40]

165\*

■ 18,13/11 ηγαγον προς Ανναν πρωτον  
SINE ADD  
ην γαρ πενθερος του Καιαφα

1/2-f1 ADD αυτων

28

■ 18,13/12 ηγαγον προς Ανναν πρωτον  
ην  
γαρ πενθερος του Καιαφα

1/2 ην

1086c 1348c

1/2-f1 η

1086\* 1348\*

1/2-f2 ος ην

1410

■ 126 18,13/12-20 και ηγαγον προς Ανναν πρωτον  
ην γαρ πενθερος του Καιαφα  
ος ην αρχιερευς

1/2 ην γαρ πενθερος του καιαφα

165c

3 OM

2405

Z DEF

P52	P59	P90	P108	05s	011	013	087
0109	27	165*	179s	246	274	283	370
416	475s	500	649	731s	779	781	798
800	863	888	892	904	947	1041	1092
1119	1293	1336	1343	1400	1558	1571s	1633
1804	2282	2287	2290	2399	2517	2529	2535
2567	2634	2650	2676	2679s	2725	2726	2782
2905	2908						

127 18,13/14 ην  
γαρ  
πενθερος του Καιαφα

1/2 γαρ

165c 931c 1173c

1/2-f1 γαρ γαρ

931\*

3 δε

011s	280	388	486	660	683	697	776
791	1005	1195	1301	1356	1455	1509	1515
1589	1606	1630	2145	2263	2394	2584	2718

4 OM

1173\* 1410 2192

Z DEF

P52	P59	P90	P108	05s	011	013	087
0109	0290	27	165*	179s	246	274	283
370	416	475s	500	649	731s	736	779

781	798	800	863	888	892	904	947
974	1041	1092	1119	1143	1293	1336	1343
1400	1558	1571s	1633	1804	2282	2287	2290
2399	2405	2517	2529	2535	2567	2634	2650
2676	2679s	2725	2726	2782	2905	2908	

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■ 18, 13/16 ην γαρ  
πενθερος  
του Καιαφα

1/2 πενθερος

1348c 1589c 2605c

1/2-f1 πενθρος

555

1/2-f2 πεθερος

1348\* 1589\* 2605\*

1/2-f3 πενθερα

445

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■ 128 18, 13/18 ην γαρ πενθερος  
του  
Καιαφα ος ην αρχιερευς

1/2 του

165c

3 OM

2680

Z DEF

P52	P59	P60	P66	P90	P108	05s	011
013	087	0109	0290	27	165*	179s	246
274	283	370	416	475s	500	514	649
731s	779	781	798	800	863	888	892
904	947	1041	1092	1119	1143	1293	1336
1343	1400	1404	1558	1571s	1633	1804	2282
2287	2290	2307	2399	2405	2517	2529	2535

2567	2634	2650	2676	2679s	2725	2726	2782
2905	2908						
=====							
■ 129	18, 13/20		ην γαρ πενθερος του Καιαφα ος ην αρχιερευς				
1/2	καιαφα						
96c	126c	165c	2478c				
1/2-f1	κ[2]αφα						
2478*							
1/2-f2	καιφα						
04	05	96*	680	931			
1/2-f3	ιαφα						
126*							
1/2-f4	καιαφας						
1295							
1/2-f5	καιαφα.ν.						
1241							
3	καγιαφα						
1325							
Z	DEF						
P52	P59	P66	P90	P108	05s	011	013
087	0109	0290	27	165*	179s	246	274
283	370	416	475s	500	514	546	649
731s	779	781	798	800	863	888	892
904	947	1041	1092	1119	1293	1336	1343
1400	1404	1558	1571s	1633	1804	2282	2287
2290	2307	2399	2405	2517	2529	2535	2567
2634	2650	2676	2679s	2725	2726	2782	2905
2908							
=====							

■ 130 18, 13/22-14/6 πενθερος του Καιαφα  
13 ος ην αρχιερευς ... 14 ην δε Καιαφας  
ο συμβουλευσας τοις Ιουδαιοις

1/2 ος ην αρχιερευς του ... ην δε καιαφας

165c 1424c

3 OM

884 1344 1424\*

Z DEF

P52	P59	P90	P108	05s	011	013	087
0109	27	165*	179s	246	274	283	370
416	475s	500	649	731s	779	781	798
800	863	888	892	904	947	1041	1092
1119	1293	1336	1343	1400	1571s	1633	1804
2282	2287	2290	2399	2517	2529	2535	2567
2634	2650	2676	2679s	2725	2726	2782	2905
2908							

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■ 18, 13/22 ην γαρ πενθερος του Καιαφα  
ος  
ην αρχιερευς

1/2-f1 ο

279

1/2-f2 και ου

165c

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■ 18, 13/26 ος ην  
αρχιερευς  
του ενιαυτου εκεινου

1/2 αρχιερευς

2131c 2695\*

1/2-f1 αρχιχιερευς

297



1/2-f2 αρχιερες

2131\*

1/2-f3 OM

2695c

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■ 131 18, 13/28-32 ος ην αρχιερευς  
του ενιαυτου εκεινου

1/2 του ενιαυτου εκεινου

165c 1423c 1424c

1/2-f1 του ενιαυτου εκεινου

2633

1/2-f2 τους ενιαυτου εκεινου

1823

1/2-f3 του ενιαυτου εκεινου

038

3 του ενιαυτου

833

4 του εκεινου

2606

5 ενιαυτου εκεινου

1423\*

6 OM

P60

Z DEF

P52

P59

P66

P90

P108

05s

011

013

087	0109	0290	27	165*	179s	246	274
283	333	370	416	475s	500	649	731s
779	781	798	800	863	884	888	892
904	947	1041	1092	1119	1143	1293	1336
1343	1344	1400	1424*	1558	1571s	1633	1804
2282	2287	2290	2307	2316	2399	2517	2529
2535	2567	2634	2650	2676	2679s	2725	2726
2782	2905	2908					

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■ 18,14/2

ην  
δε Καιαφας ο συμβουλευσας

1/2 ην

61c

1/2-f1 ην ην

61\*

1/2-f2 η ην

1335

1/2-f3 εν

05s

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■ 132 18,14/4

ην  
δε  
Καιαφας ο συμβουλευσας

1/2 δε

165c 595c\* 1424c

3 δε και

04 47 56 58 61 70 186 207

4 γαρ

1093 2804

5 OM

184	595*	829					
Z	DEF						
P52	P59	P66	P90	P108	05	011	013
087	0109	0290	27	165*	179s	246	274
283	370	416	475s	500	649	731s	779
781	798	800	863	884	892	904	947
1041	1092	1119	1143	1293	1336	1343	1344
1400	1424*	1571s	1633	1804	2282	2287	2290
2316	2389	2399	2529	2535	2567	2634	2650
2679s	2725	2726	2782	2905	2908		
=====							

■ 133 18,14/5 ην δε  
SINE ADD  
Καιαφας ο συμβουλευσας

1/2 SINE ADD

165c 1424c

3 ADD o

225 795 903 1298 1567 2120

Z	DEF						
P52	P59	P66	P90	P108	05	011	013
087	0109	0290	27	165*	179s	246	274
283	370	416	475s	500	649	731s	779
781	798	800	863	884	892	904	947
1041	1092	1119	1293	1336	1343	1344	1400
1424*	1571s	1633	1804	2282	2287	2290	2316
2389	2399	2529	2535	2567	2634	2650	2679s
2725	2726	2782	2905	2908			
=====							

■ 134 18,14/6 ην δε  
Καιαφας  
ο συμβουλευσας τοις Ιουδαιις

1/2 καιαφας

165c 1424c

1/2-f1 καιφας

680	880	1285					
3	καγιαφας						
1325							
Z	DEF						
P52	P59	P90	P108	05	011	013	087
0109	0290	27	165*	179s	246	274	283
370	416	475s	500	649	731s	779	781
798	800	863	884	892	904	947	1041
1092	1119	1293	1336	1343	1344	1400	1424*
1571s	1633	1804	2282	2287	2290	2316	2389
2399	2529	2535	2567	2634	2650	2679s	2725
2726	2782	2905	2908				

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■ 135 18, 14/8 ην δε Καιαφας  
ο  
συμβουλευσας τοις Ιουδαιοις

1/2 ο  
2656c\*

3 OM  
P60 86 899 2291 2656\*

Z	DEF						
P52	P59	P66	P90	P108	05	011	013
087	0109	0290	27	179s	246	274	283
370	416	475s	500	649	731s	779	781
798	800	863	892	904	947	1041	1092
1119	1293	1336	1343	1400	1421	1571s	1633
1804	2282	2287	2290	2316	2399	2529	2535
2567	2634	2650	2679s	2725	2726	2782	2905
2908							

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■ 136 18, 14/10 ην δε Καιαφας ο  
συμβουλευσας  
τοις Ιουδαιοις

1/2 συμβουλευσας

652c	865c	2133c					
1/2-f1	συνβουλευσας						
032							
1/2-f2	συμβοσιλευσας						
652*							
1/2-f3	συμλευσας						
2177							
1/2-f4	συμβολευσας						
61c	1335						
1/2-f5	συμβευλουσας						
865*							
1/2-f6	συσυμβολευσας						
61*							
3	συμβουλευσαμενος						
552	827	1050	1128	1243	1446		
4	βουλευσας						
752							
W	συμβου						
2133*							
Z	DEF						
P52	P59	P60	P66	P90	P108	05	011
013	087	0109	0290	27	179s	246	274
283	370	416	475s	500	649	731s	779
781	798	800	863	892	904	947	1041
1092	1119	1143	1293	1336	1343	1400	1571s
1633	1803	1804	2282	2287	2290	2316	2399
2475	2529	2535	2567	2634	2650	2679s	2725
2726	2782	2905	2908				

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■ 137 18, 14/12-14 Καιαφας ο συμβουλευσας  
 τοις Ιουδαιοις  
 οτι συμφερει ενα ανθρωπον αποθανειν

1/2 τοις ιουδαιοις

1454c 2206c 2524c\*

1/2-f1 τοις τοις ιουδαιοις

1454\*

1/2-f2 τοις οιουδαιοις

73

1/2-f3 τοις ιδαιοις

2524\*

1/2-f4 τοις ιουδαιοι

1364

1/2-f5 τοις ιουδαιος

79

1/2-f6 τοις ιουδαιας

1325

3 ιουδαιοις

1410

4 OM

505

Z DEF

P52	P59	P90	P108	05	011	013	087
0109	0290	27	179s	246	274	283	370
416	475s	500	649	731s	779	781	798
800	863	888	892	904	947	974	1041
1092	1119	1143	1293	1336	1343	1400	1571s

1633	1804	2206*	2282	2287	2290	2316	2399
2475	2529	2535	2567	2634	2650	2679s	2725
2726	2782	2905	2908				

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■ 138 18,14/16 Καιαφας ο συμβουλευσας τοις Ιουδαιοις  
 οτι  
 συμφερει ενα ανθρωπον αποθανειν

1/2-f1 ο

2693s

3 οτι δε

2206

Z DEF

P52	P59	P60	P66	P90	P108	05	011
013	087	0109	0290	27	179s	246	274
283	370	416	475s	500	649	731s	779
781	798	800	863	888	892	904	947
1041	1092	1119	1143	1293	1336	1343	1400
1571s	1633	1804	2282	2287	2290	2316	2399
2475	2529	2535	2567	2634	2650	2679s	2725
2726	2782	2905	2908				

=====

■ 18,14/18 οτι συμφερει ενα ανθρωπον αποθανειν  
 συμφερει  
 ενα ανθρωπον αποθανειν

1/2 συμφερει

1059c

1/2-f1 συμφερει

1059\*

1/2-f2 υμφερει

1128

1/2-f3 συμφερειν

579s 1338

=====

■ 139 18,14/20-24 οτι συμφερει  
ενα ανθρωπον αποθανειν  
υπερ του λαου

1 ενα ανθρωπον απολεσθαι

04c1 19\* 820c 1808c 2188c\* 2206c

1-f1 ενα ανανθρωπον απολεσθαι

168

1-f2 ενα ανθρωπον απολεσαι

45 1081

1-f3 εν ανθρωπον απολεσθαι

028 96 562

1-f4 ενα ανθρωπον αποδεσθαι

2206\*

1-f5 ινα ανθρωπον απολεσθαι

163 1125 1239

2 ενα ανθρωπον αποθανειν

P66	01	03	04*	019	032	033	038
0141	1	13	19c	22	31	33	38
48	69	124	138	205	209	213	233
251	299	317	346	352	357	375	377
423	543	565	579s	695	697	760	780
782	788	791	807	821	826	828	864
865	884	974	994	1001	1005	1006	1014
1049	1053	1071	1143	1148	1192	1210	1220
1230	1268	1289	1321	1342	1365	1370	1392
1396	1451	1557	1582	1666	1676	1689	1784s
1808*	1819	1820	2129	2191	2220	2252	2372
2397	2517	2524	2528	2546	2561	2575	2661
2684	2702	2713	2718	2728	2786	2794	

2-f1 εν ανθρωπον αποθανειν

05s



3	ανθρωπον ενα απολεσθαι						
54	694	1215	1498	2283	2605	2897	
4	ενα απολεσθαι						
931							
5	ενα απολεσθαι ανθρωπον						
1050							
6	ενα ανθρωπον {υπερ του λαου} απολεσθαι						
2148							
W-f1	ενα						
820*							
W-f2	ενα ανθρωπον						
2188*	2400						
W1/3/4	[ενα ανθρωπον απολ]εσθαι						
0290							
Z	DEF						
P52	P59	P60	P90	P108	05	011	013
087	0109	27	179s	246	274	283	370
416	475s	500	649	731s	779	781	798
800	863	888	892	904	947	1041	1092
1119	1293	1336	1343	1400	1404	1571s	1633
1804	2282	2287	2290	2307	2316	2399	2475
2529	2535	2567	2634	2650	2679s	2725	2726
2782	2905	2908					
=====							

18,14/25      ενα ανθρωπον αποθανειν  
 SINE ADD  
 υπερ του λαου

1/2      απολεσθαι  
 344sc

=====

1400	1571s	1633	1804	2282	2287	2290	2316
2399	2418	2475	2529	2535	2567	2632	2634
2650	2679s	2725	2726	2782	2905	2908	

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■ 141            18, 14/31            υπερ του λαου  
SINE ADD

1/2            SINE ADD

660c            924c

1/2-f1            ADD repeat 18·14

1230

3            ADD και μη ολον το εθνος αποληται

15	22	23	53	134	494	660*	697
791	902	924*	1005	1163	1210	1365	1439
1511	1562	2236	2372	2439	2471	2523	2894

3-f1            ADD και μη ολον εθνος αποληται

2374

Z            DEF

P52	P59	P60	P90	P108	05	011	013
087	0109	27	179s	246	274	283	370
416	475s	500	649	731s	779	781	798
800	863	892	904	947	1041	1092	1119
1293	1336	1343	1400	1571s	1633	1804	2282
2287	2290	2316	2399	2475	2529	2535	2567
2634	2650	2679s	2725	2726	2782	2905	2908

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■ 142            18, 15/2-18            ηκολουθει δε ... και αλλος μαθητης

3            OM

1820

Z            DEF

P52	P59	P90	P108	05	011	013	087
0109	27	179s	246	274	283	370	416
475s	500	731s	779	781	798	800	863
892	904	947	1041	1092	1119	1293	1336
1343	1400	1571s	1633	1804	2282	2287	2290
2316	2399	2529	2535	2567	2634	2650	2679s
2725	2726	2782	2905	2908			
=====							

■ 143 18,15/2

ηκολουθει  
δε τω Ιησου Σιμων Πετρος

1/2-f1 κολουθει

274s 892s 2177

1/2-f2 ηκολουθει

170 1191

1/2-f3 ηκολουη

16

1/2-f4 ακολουθει

261 883

1/2-f5 ηκολουθηζ

741

3 ηκολουθησαν

038 2476 2786

W-f1 OM

949

Z DEF

P52	P59	P90	P108	05	011	013	087
0109	27	179s	246	274	283	333	370
416	475s	500	731s	743	779	781	798
800	863	892	904	947	1041	1092	1119
1143	1293	1336	1343	1400	1571s	1633	1804

1820	2101	2282	2287	2290	2307	2316	2399
2475	2529	2535	2567	2634	2650	2679s	2725
2726	2782	2905	2908				

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■ 144 18,15/4 ηκολουθει  
δε  
τω Ιησου Σιμων Πετρος

1/2 δε

69c 159c 2404c

3 ουν

1314

4 OM

69*	406	482	486	683	694	1122	1214
1539	2206	2247	2404*	2591			

W1/2/3 δε ου

159\*

Z DEF

P52	P59	P66	P90	P108	05	011	013
087	0109	27	179s	246	274	283	370
416	475s	500	731s	779	781	798	800
863	892	904	947	1041	1092	1119	1143
1293	1336	1343	1400	1571s	1633	1804	1820
2101	2282	2287	2290	2316	2399	2475	2529
2535	2567	2634	2650	2679s	2725	2726	2782
2905	2908						

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■ 145 18,15/6-12 ηκολουθει δε  
τω Ιησου Σιμων Πετρος  
και αλλος μαθητης

1/2 τω ιησου σιμων πετρος

04c1 69c 1457c 2206c

1/2-f1 τω ιςς σιμων πετρος

109

1/2-f2	τω ιησου σισιμων πετρος							
752								
1/2-f3	τω ιησου σι πετρος							
445								
1/2-f4	τω ιησου σιμων πετρο							
1241								
1/2-f5	τω σιμων πετρος							
69*	1457*							
3	σιμων πετρος τω ιυς							
1484								
4	τω ιησου σιμων							
1248								
5	σιμων πετρος							
225	1424							
6	τω ιησου απο μακροθεν σιμων πετρος							
1481								
7	αυτω σιμων πετρος							
162	440	493	930	1149	1609	1700	2727	
7-f1	αυτω ιησου σιμων πετρος							
1011								
8	αυτοις σιμων πετρος							
04*								
Z	DEF							
P52	P59	P60	P66	P90	P108	05	011	

013	087	0109	0290	27	179s	246	274
283	370	416	475s	500	546	731s	779
781	798	800	863	892	904	947	1041
1092	1119	1143	1293	1336	1343	1400	1564
1571s	1633	1804	1820	2206*	2282	2287	2290
2316	2399	2475	2529	2535	2567	2634	2650
2679s	2725	2726	2782	2905	2908		
=====							

■ 146            18, 15/16-18      Σιμων Πετρος και  
αλλος μαθητης  
ο δε μαθητης εκεινος

1            ο αλλος μαθητης

01Ccb	479c	504c	758c	829c	1365c	2907c
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1-f1            ο αλλος μαθηταις

04

2            αλλος μαθητης

P66	01*	02	03	05s	032	044	106
142	211	260	296	345	403	411	472
504*	525	528	595	697	710	724	741
758*	776	829*	861	1005	1195	1303	1349
1365*	1398	1455	1573	1823	2290s	2372	2394
2546	2584	2613	2711	2730			

3            ο αλλος μαθητης εκεινος

888

Z            DEF

P52	P59	P90	P108	05	011	013	087
0109	27	179s	246	274	283	333	370
416	475s	479*	500	731s	736	743	766
779	781	798	800	863	892	904	947
1041	1092	1119	1143	1293	1336	1343	1400
1564	1571s	1633	1803	1804	1820	2282	2287
2290	2307	2316	2399	2418	2529	2535	2567
2632	2634	2650	2679s	2725	2726	2782	2905
2907*	2908						

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■ 147	18, 15/20-34	Σιμων Πετρος και αλλος μαθητης ο δε μαθητης εκεινος ην γνωστος τω αρχιερει και συνεισηλθεν					
1/2	ο δε μαθητης εκεινος ην γνωστος τω αρχιερει						
P66c* 1465c	2c 1901*	61c 2247c	479c 2426c	492c	545c	745c	748c
1/2-f1	ο δε μαθητης εκεινος ην γνωστος τω αρχιερει αρχιερει						
61*							
1/2-f2	ο δε μαθητης εκεινος ην γνωστοη τω αρχιερει						
71							
1/2-f3	ο δε μαθητης εκεινος ην γνωτος τω αρχιερει						
943	1186						
1/2-f4	ο δε μαθη εκεινος ην γνωστος τω αρχιερει						
545*							
1/2-f5	ο δε μαθητης εεινος ην γνωστος τω αρχιερει						
2177							
1/2-f6	ο δε μαθητης εκεινος ην γνωστος τω αρχιερει						
037							
1/2-f7	ι δε μαθητης εκεινος ην γνωστος τω αρχιερει						
039							
1/2-f8	ο δε μαθητης εκεινος ν γνωστος τω αρχιερει						
2179							
1/2-f9	ο δε μαθητης εκεινος ην γνωστος τω ιρχιερει						
1465*							
1/2-f10	ο δε μαθητης εκεινος εν γνωστος τω αρχιερει						
05s							



1/2-f11	δε μαθητης εκεινος ην γνωστος τω αρχιερει							
16								
1/2-f12	ο δε αυτω σιμων πετρος μαθητης εκεινος ην γνωστος τω αρχιερει							
493								
1/2-f13	ο δε μαθητης εκεινος κυριω ην γνωστος τω αρχιερει							
1901c								
1/2-f14	ο δε μαθητης εκεινος ην γαρ γνωστος τω αρχιερει							
1335								
3	ο μαθητης εκεινος ην γνωστος τω αρχιερει							
1331	2426*							
4	ο δε μαθητης ην γνωστος τω αρχιερει							
1200s								
4-f1	ο δε μαθητης ο δε μαθητης ην γνωστος τω αρχιερει							
745*								
5	ος ην γνωστος τω αρχιερει							
2774								
6	εκεινος ην γνωστος τω αρχιερει							
2*	235	423	514	720	748*	772	2247*	
7	εκεινος γνωστος ην τω αρχιερει							
2786								
8	ο δε αλλος μαθητης εκεινος ην γνωστος τω αρχιερει							
565								
9	ο δε αλλος μαθητης ην γνωστος τω αρχιερει							
477	2174							

10 ο δε μαθητης εκεινος γνωστος τω αρχιερει

492\*

11 ο δε μαθητης εκεινος γνωστος ην τω αρχιερει

03	032	4	154	267	297	579s	733
818	1242	1654	1819	2129	2214	2561	

11-f ο δε ματθαιος εκεινος γνωστος ην τω αρχιερει

1820

14 ο μαθητης εκεινος ην γνωστος αρχιερει

595

15 ο δε μαθητης εκεινος ην γνωστος του αρχιερεως

2766

16 OM

P66\*

Z DEF

P52	P59	P60	P90	P108	05	011	013
087	0109	0290	27	179s	246	274	283
370	416	475s	479*	500	515	546	731s
766	779	781	798	800	863	888	892
904	947	1041	1092	1119	1143	1293	1336
1343	1400	1564	1571s	1590	1633	1803	1804
2282	2287	2290	2307	2316	2399	2418	2529
2535	2567	2634	2649	2650	2679s	2725	2726
2782	2905	2908					

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■ 148 18, 15/32-48 μαθητης εκεινος ην γνωστος  
τω αρχιερει και συνεισηλθεν τω Ιησου εις την αυλην  
του αρχιερεως

3 OM

295

Z DEF

P52	P59	P90	P108	05	011	013	087
0109	27	179s	246	274	283	370	416
475s	500	731s	766	779	781	798	800
863	892	904	947	1041	1092	1119	1293
1336	1343	1400	1571s	1590	1633	1804	2282
2287	2290	2316	2418	2529	2535	2567	2634
2649	2650	2679s	2725	2726	2782	2905	2908

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■ 149            18, 15/35            ην γνωστος τω αρχιερει  
SINE ADD  
και συνεισηλθεν τω Ιησου

3            ADD ειπεν τη θυρωρω

1008

Z            DEF

P52	P59	P90	P108	05	011	013	087
0109	0290	27	179s	246	274	283	295
370	416	475s	500	573	731s	766	779
781	798	800	863	888	892	904	947
1041	1092	1119	1143	1293	1336	1343	1400
1571s	1590	1633	1804	2282	2287	2290	2316
2418	2529	2535	2567	2634	2649	2650	2679s
2725	2726	2782	2905	2908			

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■ 150            18, 15/36-16/36            ην γνωστος τω αρχιερει  
15 και συνεισηλθεν ... 16 ... του αρχιερεως

1/2-f1            και συνεισηλθεν τω ιυς εις την αυλην του αρχιερεως 16 ο δε πετρος  
ειστηκει προς την θυραν εξω εξηλθεν ουν ο μαθητης ος ην γνωστος του  
αρχιερει

207c

3            OM

53	207*	902	903	1556	2492	2562
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Z            DEF

P52	P59	P90	P108	05	011	013	087
0109	27	179s	246	274	283	370	416
475s	500	573	731s	766	779	781	798

800	863	892	904	947	1041	1092	1119
1293	1336	1343	1400	1571s	1590	1633	1804
2282	2287	2290	2316	2418	2529	2535	2567
2634	2649	2650	2679s	2725	2726	2782	2905
2908							

18, 15/36-38      ην γνωστος τω αρχιερει  
 και συνεισηλθεν  
 τω Ιησου εις την αυλην του αρχιερεως

1/2-f1      απεκριθη αυτω

2454

18, 15/36      ην γνωστος τω αρχιερει  
 και  
 συνεισηλθεν τω Ιησου

W      {OM}

P66

151      18, 15/38      ην γνωστος τω αρχιερει και  
 συνεισηλθεν  
 τω Ιησου

1/2      συνεισηλθεν

1c	56c	145c*	207c	545c	661c	1422c*	1588c
1660c	2768c*						

1/2-f1      συνεισηλθενθεν

1\*

1/2-f2      συνεισηλθεν

019

1/2-f3      συνεισηλθε

218

1/2-f4      συνεισηθε

2528

1/2-f5 συνεσηλθεν

368

3 συνεισηλθον

874

4 συνηλθεν

3	4	52	56*	79	95	113	118s
119	130	133	145*	168	182	191	192
205	209	217	225	227	272	284	294
330	335	491	507	513	522	524	552
565	578	661*	668	686	703	718	732
745	793	841	878	935	977	1007	1135
1137	1152	1185	1203	1243	1269	1322	1329
1344	1348	1352	1359	1395	1422*	1501	1506
1520	1530	1549	1577	1579	1588*	1602	1641
1660*	1784s	2117	2127	2206	2362	2437	2522
2530	2702	2713	2768*	2886	2900		

5 συνηλθον

1797 2495

6 εισηλθε

445 545\* 750

w4/5 συνηλ[2]

1803

Z DEF

P52	P59	P90	P108	05	011	013	087
0109	0290	27	53	179s	207*	246	274
283	295	370	416	475s	500	546	573
731s	766	779	781	798	800	863	892
902	903	904	947	1041	1092	1119	1145
1293	1336	1343	1400	1556	1571s	1590	1633
1804	2282	2287	2290	2307	2316	2418	2492
2529	2535	2562	2567	2634	2649	2650	2679s
2725	2726	2782	2905	2908			

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■ 152            18, 15/40-42            και συνεισηλθεν  
    τω Ιησου  
    εις την αυλην του αρχιερεως

1/2            τω ιησου  
                  207c        733c1    1506c

1/2-f1        τω τω ιησου  
                  1428

3              συν τω ιησου  
                  2546

4              OM  
                  87            96            562

5              τω πετρω  
                  2127

6              τω ιησου αρχιερει  
                  154

Z	DEF						
P52	P59	P60	P90	P108	05	011	013
087	0109	0290	27	53	179s	207*	246
274	283	295	370	416	475s	500	546
573	731s	733*	766	779	781	798	800
863	892	902	903	904	947	1041	1092
1119	1143	1293	1336	1343	1400	1506*	1556
1571s	1590	1633	1803	1804	2282	2287	2290
2307	2316	2418	2492	2529	2535	2562	2567
2634	2649	2650	2679s	2725	2726	2782	2905
2908							

■ 153            18, 15/44-48            και συνεισηλθεν τω Ιησου  
    εις την αυλην  
    του αρχιερεως

1/2            εις την αυλην  
                  207c        1014c

1/2-f1 εις την

1014\*

3 εν τη αυλη

2277

3-f1 εν τη αυλην

1110

4 την αυλην

1312

5 εις αυλην

2608

6 εις το πραιτοριον

28

W [εις τη]ν αυλην

1421

Z DEF

P52	P59	P60	P66	P90	P108	05	011
013	087	0109	0290	27	53	179s	207*
246	274	283	295	370	416	475s	500
515	546	573	731s	766	779	781	798
800	863	892	902	903	904	947	1041
1092	1119	1143	1293	1336	1343	1400	1556
1571s	1590	1633	1803	1804	2101	2282	2287
2290	2307	2316	2418	2492	2529	2535	2562
2567	2634	2649	2650	2679s	2725	2726	2782
2905	2908						

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■ 154 18, 15/52 εις την αυλην του  
αρχιερεως

1/2 αρχιερεως

207c							
1/2-f1	αρχερεως						
1627							
3	καιαφα						
706	827	1446	1457				
Z	DEF						
P52	P59	P90	P108	05	011	013	087
0109	0290	27	53	179s	207*	246	274
283	370	405	416	475s	500	573	731s
766	779	781	798	800	863	892	902
903	904	947	1041	1092	1119	1293	1336
1343	1400	1556	1571s	1590	1633	1804	2282
2287	2290	2316	2418	2492	2529	2535	2562
2567	2634	2649	2650	2679s	2725	2726	2782
2905	2908						

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■ 155 18,16/2-6

ο δε Πετρος  
ειστηκε προς τη θυρα

1/2	ο δε πετρος						
207c							
1/2-f1	ο δε πεπετρος						
107							
1/2-f2	δε πετρος						
899	2177	2388					
3	ο πετρος						
555							
Z	DEF						
P52	P59	P90	P108	05	011	013	087
0109	0290	27	53	179s	207*	246	274
283	370	405	416	475s	500	546	573



649	731s	766	779	781	798	800	863
892	902	903	904	947	1041	1092	1119
1143	1293	1336	1343	1400	1421	1556	1571s
1590	1633	1804	2282	2287	2290	2307	2316
2418	2492	2529	2535	2562	2567	2634	2649
2650	2679s	2725	2726	2782	2905	2908	
=====							

■ 156      18,16/8      ο δε Πετρος  
εισθηκει  
προς τη θυρα

1/2      εισθηκει

019c      207c

1/2-f1      ειτηκει

019\*      27s

1/2-f2      σθηκει

2549

1/2-f3      ειστη

168      878

1/2-f4      ειστει

1335

1/2-f5      ειεισθηκει

30

1/2-f6      εισθηκε

2679

3      εισθηκει μακροθεν

496

Z      DEF

P52	P59	P90	P108	05	011	013	087
0109	0290	27	53	179s	207*	246	274
283	333	370	416	475s	500	515	573



1240	1241	1250	1266	1268	1272	1273	1297
1309	1317	1319	1338	1353	1358	1364	1375
1398	1416	1418	1428	1442	1444	1447	1457
1465	1505	1515	1536	1543	1560	1567	1578
1597	1602	1614	1635	1641	1689	1698	1704
1705	1780	1786	1792*	1797	1800	1808	1813
2108	2132	2177	2214	2244	2245	2278	2314
2354	2364s*	2407	2422	2430	2437	2452	2462
2465	2466	2470	2478	2496	2545	2591	2598
2605	2608	2622	2633	2656	2658	2673	2676
2687	2702	2715	2718	2721	2747	2750	2766
2813	2856*	2894	2897				

5 προς την θύραν εξω

011s	022	041c	047	0211	4	9	13
21	30	31	59	68	69	72	79
95	106	117	126*	139	153	160	163
165	168	191	192	207c	210	245	260
275	290	379	397	435s*	493	494	495
508	509	514	530	554	556	580	683
697	723	729	731	732	741	744	749
784	790	792	811	817	828	829	833
841	857	873	878	887	895	901	906
948*	952	971	1000	1001	1005	1010	1031
1044	1050	1053	1081	1083	1090	1118	1120
1122	1135	1148	1166	1186	1187	1198	1214
1217	1242	1267	1269	1279	1280	1291	1294
1296	1312	1314	1315	1326	1335	1342	1344
1365	1377	1387	1387s	1393	1415	1436	1439
1446	1478s	1485	1491	1495	1511	1512	1520
1534	1542	1553	1554	1558	1573	1574	1577
1585	1595	1623	1627	1647	1666	1670	1671
1677	1690	1692	1781*	1784s	2106	2112	2117
2148	2185	2220	2247*	2304	2311	2317	2364sc
2369	2372	2397	2411	2454	2487	2495	2499
2523	2528	2530	2546	2561	2590	2603	2643
2660	2661	2670	2693s	2710	2713	2732	2775s
2810	2900						

5-f1 προς την θύραν εξω

1125

6 προ της θύρας εξω

1432

7 παρα την θύραν εξω



1/2-f2	εξηλθεν						
1152							
1/2-f3	εεξηλθεν						
152							
1/2-f4	εξηλθον						
144s	979						
3	εισηλθεν						
13	69	543	788	826	828	1508	1614
1689	2399	2689					
3-f1	εισηλθον						
346							
Z	DEF						
P52	P59	P90	P108	05	011	013	087
0109	0290	27	28	53	179s	207*	246
274	283	370	405	416	475s	500	546
573	649	731s	766	779	781	798	800
863	892	902	903	904	947	1092	1119
1293	1336	1343	1400	1421	1556	1571s	1590
1633	1804	2282	2287	2290	2316	2418	2442
2492	2529	2535	2562	2567	2634	2649	2650
2679s	2725	2726	2779	2782	2905	2908	
=====							

■ 159            18, 16/20            εξηλθεν  
    ουν  
    ο μαθητης ο αλλος

1/2	ουν						
207c	1567c*						
3	OM						
16	182	264	446	548	997	1135	1213
1567*	2813						
Z	DEF						

P52	P59	P60	P90	P108	05	011	013
087	0109	0290	27	28	53	179s	207*
246	274	283	370	416	475s	500	573
649	731s	766	779	781	798	800	863
888	892	902	903	904	947	1092	1119
1293	1336	1343	1400	1556	1571s	1590	1633
1803	1804	2282	2287	2290	2316	2418	2442
2492	2529	2535	2562	2567	2634	2649	2650
2679s	2725	2726	2750	2779	2782	2905	2908

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■ 160 18, 16/22-28 εξήλθεν ουν  
ο μαθητης ο αλλος  
ο γνωστος του αρχιερεως

1/2 ο μαθητης ο αλλος

87c 1172sc 1779c 2673c\*

1/2-f1 ο ο μαθητης ο αλλος

1172s\*

1/2-f2 ο μαθητης ο ο αλλος

1546

1/2-f3 ο α μαθητης ο αλλος

168

1/2-f4 ο μαθητης και ο αλλος

121

1/2-f5 ο μαθητης αλλος

16 90 945 1044 2098

1/2-f6 μαθητης ο αλλος

264 1198 2673\*

3 ο αλλος μαθητης

0141 0211 160 288 344s 364 376 583

720	723	821	1009	1021	1047s	1204	1261
1288	1534	1540	2108	2680			
3-f1	ο αλλας μαθητης						
857							
4	ο αλλος						
773	1225						
5	ο μαθητης						
054	207c	377	682c	807	1564		
5B	μαθητης						
1128							
6	ο μαθητης ο αλλος μαθητης						
87*	96	562					
7	ο μαθητης εκεινος						
022	044	10	13	47	56	58	61
69	71	86	111	118s	119	124	126*
157	185	191	217	248	330	346	491
543	569	578	683	705	731	750	788
823	826	828	895	906	923	996	1014
1091	1170	1194	1208	1222	1241	1313	1413
1424	1458	1499	1505	1509	1531	1563	1569
1573	1574	1588	1626	1663	1689	1692	1779*
2148	2291	2311	2387	2495	2611	2620	2705
2707	2722	2775s					
7-f1	ο μαθητης εκεινο						
273s							
8	ο μαθητης εκεινος ο αλλος						
126c							
Z	DEF						
P52	P59	P60	P66	P90	P108	05	011
013	087	0109	0290	27	28	53	179s
207*	246	274	280	283	305	370	416

475s	500	573	649	682*	731s	766	779
781	798	800	863	888	892	902	903
904	947	1092	1119	1293	1336	1343	1400
1556	1571s	1590	1633	1804	2282	2287	2290
2316	2418	2442	2492	2529	2535	2562	2567
2634	2649	2650	2679s	2725	2726	2779	2782
2905	2908						

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■ 161            18, 16/30-36    ο μαθητης ο αλλος  
ο γνωστος του αρχιερεως  
και ειπεν

1            ος ην γνωστος τω αρχιερει

04c1    423c\*    682c    2635c    2788sc

1-f1            ος ην γνωστος τω τω αρχιερει

2311

1-f2            ος ην γνωτος τω αρχιερει

1577

1-f3            ος ην νωστος τω αρχιερει

2635\*

1-f4            ος ην γνωστος ω αρχιερει

2788s\*

1-f5            ος ην γνωστος τω αραρχιερει

718

1-f6            ος η γνωστος τω αρχιερει

1135

1-f7            ος ην γνωστος τω αρχιερει

2411

1-f8            ος ην γνωστος τω αρχιερε

1023



2	ο γνωστος του αρχιερεως						
03	019						
3	ος ην γνωστος του αρχιερεως						
P66	04*	033	213	579s	865	1820	2129
4	ος γνωστος τω αρχιερει						
792							
5	ην γνωστος τω αρχιερει						
423*	2497						
6	ος ην γνωριμος τω αρχιερει						
022							
7	OM						
1152	1309	1424	1546				
W	ος ην γνωστος του αρχιερει						
207c							
Z	DEF						
P52	P59	P60	P90	P108	05	011	013
087	0109	0290	27	28	53	179s	207*
246	274	283	305	370	405	416	475s
500	546	573	649	682*	731s	736	766
779	781	798	800	863	888	892	902
903	904	947	1092	1119	1143	1293	1336
1343	1400	1556	1571s	1590	1633	1803	1804
2282	2287	2290	2316	2374	2418	2442	2492
2529	2535	2562	2567	2634	2649	2650	2679s
2725	2726	2779	2782	2905	2908		

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  18, 16/38 ο γνωστος του αρχιερεως  
και  
ειπεν τη θυρωρω

1/2-f1 μη και

2604

=====

■ 162 18,16/40-46 ο γνωστος του αρχιερεως και  
ειπεν τη θυρωρω και  
εισηγαγεν τον Πετρον

3 OM

342 1626 2705

Z DEF

P52	P60	P90	P108	05	011	013	087
0109	27	28	179s	246	274	283	370
416	475s	500	573	649	731s	766	779
781	798	800	863	892	904	947	1092
1119	1293	1336	1343	1400	1571s	1590	1633
1804	2282	2287	2290	2316	2418	2442	2529
2535	2567	2634	2649	2650	2679s	2725	2726
2779	2782	2905	2908				

=====

■ 18,16/40 ο γνωστος του αρχιερεως και  
ειπεν  
τη θυρωρω

1/2-f1 ει

498

=====

■ 163 18,16/42-44 και ειπεν  
τη θυρωρω  
και εισηγαγεν τον Πετρον

1/2 τη θυρωρω

96c 368c 495c 1187c 1357\* 2145c 2430c\*

1/2-f1 τη θυρωρω

554

1/2-f2 [τ]η θυρουρω

P66c\*

1/2-f3	τη ρωρω						
2422*	2422c						
3	τω θυρωρω						
032	119	205	368*	486	492	677	715
726	731	732	780	937	1081	1187*	1195
1263	1357c	2145*	2192	2430*	2886		
4	θυρωρω						
96*							
5	τη θυρω						
P66*	495*	891	1364				
W-f1	τη						
2524c							
Z	DEF						
P52	P59	P60	P90	P108	05	011	013
087	0109	0290	27	28	179s	246	274
280	283	342	370	405	416	475s	500
546	573	649	731s	766	779	781	798
800	863	892	904	947	1092	1119	1143
1293	1336	1343	1400	1571s	1590	1626	1633
1803	1804	2282	2287	2290	2316	2418	2442
2524*	2529	2535	2567	2634	2649	2650	2679s
2705	2725	2726	2779	2782	2905	2908	

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■ 18, 16/46 και ειπεν τη θυρωρω και εισηγαγεν τον Πετρον  
και  
εισηγαγεν τον Πετρον

1/2-f1 και ει

2613

=====

■ 164 18, 16/48-52 και ειπεν τη θυρωρω και  
εισηγαγεν τον Πετρον

3 ενοιξε τον πετρον και εισηγαγεν εσω

1093

Z DEF

P52	P60	P90	P108	05	011	013	087
0109	27	28	179s	246	274	283	370
416	475s	500	573	649	731s	766	779
781	798	800	863	892	904	947	1092
1119	1143	1293	1336	1343	1400	1571s	1590
1633	1804	2282	2287	2290	2316	2418	2442
2529	2535	2634	2649	2650	2679s	2725	2726
2779	2782	2905	2908				

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■ 165 18,16/48 και ειπεν τη θυρωρω και  
εισηγαγεν  
τον Πετρον

1/2-f1 εισηγ[3]ν

2902

1/2-f2 εισηγαγαγε

1007

1/2-f3 εισηγγε

1088

3 εισηγεγκεν

01	032	579s	1001	2252	2397	2524
----	-----	------	------	------	------	------

Z DEF

P52	P59	P60	P90	P108	05	011	013
087	0109	27	28	179s	246	274	283
370	405	416	475s	500	573	649	731s
766	779	781	798	800	863	892	904
947	1092	1119	1143	1293	1336	1343	1400
1571s	1590	1633	1804	2282	2287	2290	2316
2418	2442	2529	2535	2634	2649	2650	2679s
2725	2726	2779	2782	2905	2908		

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■ 166 18,16/50-17/16 ειπεν τη θυρωρω και εισηγαγεν  
16 τον Πετρον ... 17 ... η θυρωρος  
μη και συ εκ των μαθητων

3 OM

1335

Z DEF

P52	P60	P90	P108	05	011	013	087
0109	27	28	179s	246	274	283	370
416	475s	500	573	649	731s	766	779
781	798	800	863	892	904	947	1092
1119	1293	1336	1343	1400	1571s	1590	1633
1804	2282	2287	2290	2316	2418	2442	2529
2535	2634	2649	2650	2679s	2725	2726	2779
2782	2905	2908					

=====

■ 167 18,16/50-52 και εισηγαγεν  
τον Πετρον

1/2 τον πετρον

61c 2244c 2810c

1/2-f1 τον πετρος

1325

1/2-f2 τον πεπετρον

1466

1/2-f3 τον πετραν

2244\*

1B πετρον

793

3 τω πετρω

61*	171	293	315	699	903	1166	1299
1314	1344	1353	1377	1478s	1542	1573	2643
2711	2810*						

W1/2/3 [το]ν πετρω

1196

Z DEF

P52	P59	P60	P66	P90	P108	05	011
013	087	0109	27	28	179s	246	274
283	370	416	475s	500	573	649	731s
766	779	781	798	800	863	892	904
947	1092	1119	1143	1293	1335	1336	1343
1400	1571s	1590	1633	1804	2282	2287	2290
2307	2316	2418	2442	2529	2535	2634	2649
2650	2679s	2725	2726	2779	2782	2905	2908

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■ 168 18, 17/2-4

λεγει ουν  
τω Πετρω η παιδισκη η θυρωρος

1/2 λεγει ουν

03c3 2813c

1/2-f1 λεγει ουν ουν

1432

1/2-f2 εγει ουν

184 892s 1331 2177

1/2-f3 λεγει ου

03\*

1/2-f4 λεγ[1] ουν

2813\*

3 λεγει

1241 1571 2463

4 και λεγει ουν

579s

Z	DEF						
P52	P59	P60	P90	P108	05	011	013
087	0109	27	28	179s	246	274	283
370	416	475s	500	573	649	731s	766
779	781	798	800	863	888	892	904
947	1092	1119	1143	1293	1335	1336	1343
1400	1571s	1590	1633	1803	1804	2282	2287
2290	2316	2418	2442	2529	2535	2634	2649
2650	2679s	2725	2726	2779	2782	2905	2907
2908							

=====

■ 169 18, 17/6-16 λεγει ουν  
τω Πετρω η παιδισκη η θυρωρος  
μη και συ εκ των μαθητων

1 η παιδισκη η θυρωρος τω πετρω

04c2 61c 273sc 680c 790c 1348c 2411c 2533c

1-f1 η παιδικ η θυρωρος τω πετρω

61\*

1-f2 η παιδ[1]σκη η θυρωρος τω πετρω

1348\*

1-f3 η παιδιση η θυρωρος τω πετρω

577

1-f4 η παιδισκη η θυρωρω τω πετρω

1269

1-f5 η παιδισκη η θυρος τω πετρω

202

1-f6 η παιδισκη η θυρωρος τω περρω

344s\*

1-f7 η παιδισκη η θυρωρος τω πεπρω

344sc							
1-f8	η παιδισκη η θυρωρος τω						
1203							
1-f9	η παιδισκη η θυρωρος τω πε[1]ρω						
2411*							
1-f10	η παιδισκη η θυρωρος τω τρω						
680*							
1-f11	ο ιησους η παιδισκη η θυρωρος τω πετρω						
790*							
1-f12	η παιδισκη η θυρωρος [10-12] τω πετρω						
2533*							
2	τω πετρω η παιδισκη η θυρωρος						
P59	03	04*	019	033	33	79	213
397	865	968	1071	1451	1819	1820	2129
2528							
3	παιδισκη η θυρωρος τω πετρω						
890	1074	1135	2422				
4	η παιδισκη θυρωρος τω πετρω						
48	1312						
5	η παιδισκη ο θυρωρος τω πετρω						
1377							
6	η παιδισκει τω πετρω						
273s*							
7	αυτω η παιδισκη η θυρωρος τω πετρω						
032	131						





	264	792	1425c	2526	2643	2679		
4	OM							
	752	1425*						
5	μη δε και							
	2810c*							
6	αν δε και							
	2810*							
Z	DEF							
	P52	P59	P60	P90	P108	05	011	013
	087	0109	27	28	179s	246	274	283
	370	416	475s	500	573	649	731s	766
	779	781	798	800	863	888	892	904
	947	1092	1119	1207	1293	1336	1343	1400
1571s	1590	1633	1804	2282	2290	2307		2316
	2418	2442	2529	2535	2634	2649	2650	2679s
	2725	2726	2779	2782	2783*	2905	2907	2908

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■ 18, 17/22 μη και  
συ  
εκ των μαθητων

1/2 συ

990c

1/2-f1 σσυ

990\*

1/2-f2 εσυ

851

=====

■ 171 18, 17/24-28 μη και συ  
εκ των μαθητων  
ει του ανθρωπου τουτου

1/2	εκ των μαθητων						
P66*	75c	125c	557c	1478sc	1534c	1629c*	2426c
2783c							
1/2-f1	εν των μαθητων						
1783							
1/2-f2	εκ των μαθητω						
125*							
1/2-f3	εκ των θητων						
2177							
3	ε[ν τ]οις [μα]θητοις						
P66c*							
4	εκ των						
557*	706	1082	1331	1478s*	1534*	1629*	2426*
5	εκ των μαθητων αυτου						
54	75*	290	1050	1060	1272	1403	1457
2188	2192						
Z	DEF						
P52	P59	P60	P90	P108	05	011	013
087	0109	27	28	179s	246	274	283
370	405	416	475s	500	573	649	731s
766	779	781	798	800	863	892	904
947	1092	1119	1143	1293	1336	1343	1400
1571s	1590	1633	1803	1804	2282	2290	2316
2418	2442	2529	2535	2634	2649	2650	2679s
2725	2726	2779	2782	2783*	2905	2907	2908

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■ 172      18, 17/30-36      συ εκ των μαθητων  
 ει του ανθρωπου τουτου  
 λεγει εκεινος ουκ ειμι

1/2      ει του ανθρωπου τουτου

P66c*	61c	231c	973c	1329*	1329c	2206c		
2328c*								
2783c	2812*							
1/2-f1	ει η του ανθρωπου τουτου							
2533								
1/2-f2	ει[1] του ανθρωπου τουτου							
2206*								
1/2-f3	ει του αυτου τουτου							
61*								
1/2-f4	ει του ανθρωπου του τουτου							
1139								
1/2-f5	ει του ανθρωπου τουτο							
1325								
1/2-f6	ει [2-3] του ανθρωπου τουτου							
973*								
1/2-f7	ει δε του ανθρωπου τουτου							
880								
1/2-f8	ει του ανθρωπου εκεινου							
40								
3	του ανθρωπου τουτου η							
169	579s	792	2483	2710				
4	του ανθρωπου ει τουτου							
931	2478							
5	του ανθρωπου τουτου							
P66*	1392	1393	1577	2311	2328*			

2812c

2188

841      1446

Z DEF

P52	P59	P60	P90	P108	05	011	013
047	087	0109	27	28	179s	231*	246
274	283	370	405	416	475s	500	573
649	731s	766	779	781	798	800	863
892	904	947	1092	1119	1143	1293	1336
1343	1400	1571s	1590	1633	1803	1804	2282
2290	2307	2316	2418	2442	2529	2535	2634
2649	2650	2679s	2725	2726	2779	2782	2783*
2905	2907	2908					

■	173	18, 17/38-40	ει του ανθρωπου τουτου λεγει εκεινος ουκ ειμι
---	-----	--------------	---

231\*

231c

3 λεγει

171	396	422	778	971	993	1196	1228
1233	1298	1388	1468	1605	2179		

1577      2192

5 λέγει εκεινος ουν

2280

6 ηρνησατο ουν εκεινος και ειπεν

1532 2159

Z DEF

P52	P59	P60	P90	P108	05	011	013
047	087	0109	27	28	179s	246	274
283	370	405	416	475s	500	573	649
731s	766	779	781	798	800	863	892
904	947	1092	1119	1143	1293	1336	1343
1400	1571s	1590	1633	1803	1804	2282	2290
2316	2418	2442	2529	2535	2634	2649	2650
2679s	2725	2726	2779	2782	2905	2907	2908

=====

■ 18,17/42 λεγει εκεινος  
ουκ  
ειμι

1/2-f1 υκ

1581

=====

■ 174 18,17/44 λεγει εκεινος ουκ  
ειμι

1/2 ειμι

231c 902c

3 OM

902\*

Z DEF

P52	P59	P60	P90	P108	05	011	013
047	087	0109	27	28	179s	231*	246
274	283	342	370	405	416	475s	500
573	649	731s	766	779	781	798	800
863	888	892	904	947	1092	1119	1293
1336	1343	1400	1571s	1590	1633	1804	2282

2290	2307	2316	2418	2442	2529	2535	2634
2649	2650	2679s	2725	2726	2779	2782	2905
2907	2908						

=====

■ 18,18/2-48  
18·18

W OM (Cf. 18·13,15)

1820

=====

■ 18,18/2  
ειστηκεισαν  
δε οι δουλοι και οι υπηρεται

1/2 εισηκεισαν

2192c 2693sc

1/2-f1 εισηκεισαν

2192\*

1/2-f2 ειηστηκεισαν

2606

1/2-f3 ει[3]στηκεισαν

2693s\*

=====

■ 175 18,18/4 εισηκεισαν  
δε  
οι δουλοι και οι υπηρεται

1/2 δε

746c 787c\*

1/2-f1 ε

2177 2179

3 δε και

01	182	746*	768	785	1528	1780	2786
2812							
4	και						
16							
5	ουν						
2147	2406						
6	OM						
019	787*	2676					
Z	DEF						
P52	P59	P60	P90	P108	05	011	013
047	087	0109	27	28	179s	246	274
283	370	416	475s	500	573	649	731s
766	779	781	798	800	863	888	892
904	947	1092	1119	1143	1196	1207	1293
1336	1343	1400	1571s	1590	1633	1803	1804
1820	2282	2290	2316	2418	2442	2529	2535
2634	2649	2650	2679s	2717	2725	2726	2779
2782	2905	2907	2908				
=====							

■ 176      18, 18/5      εισηκειςαν δε  
SINE ADD  
οι δουλοι και οι υπηρεται

3      ADD οι αρχιερεις και  
220

Z	DEF						
P52	P59	P60	P90	P108	05	011	013
047	087	0109	27	28	179s	246	274
283	370	416	475s	500	573	649	731s
766	779	781	798	800	863	888	892
904	947	1092	1119	1143	1207	1293	1336
1343	1400	1571s	1590	1633	1803	1804	1820
2282	2290	2316	2418	2442	2529	2535	2634
2649	2650	2679s	2717	2725	2726	2779	2782
2905	2907	2908					
=====							



■ 18, 18/8-10 εισηκεισαν δε οι  
δουλοι και  
οι υπηρεται

1/2 δουλοι και

1426c\*

W [7-9]

1426\*

=====

■ 177 18, 18/8 εισηκεισαν δε οι  
δουλοι  
και οι υπηρεται

1/2 δουλοι

1357c 1426c\*

1/2-f1 δουλουλοι

1357\*

3 δουλοι εκεινοι

124

Z DEF

P52	P59	P90	P108	05	011	013	087
0109	27	28	179s	246	274	283	370
416	475s	500	573	649	731s	766	779
781	798	800	863	888	892	904	947
1092	1119	1293	1336	1343	1400	1426*	1571s
1590	1633	1803	1804	1820	2282	2290	2316
2418	2442	2529	2535	2634	2649	2650	2679s
2717	2725	2726	2779	2782	2905	2907	2908

=====

■ 178 18, 18/10-14 οι δουλοι  
και οι υπηρεται  
ανθρακιαν πεποιηκοτες

1/2 και οι υπηρεται

168c 1059c 1096c 1302c1 1425c

1/2-f1 και οι υπηρεται

2389

1/2-f2 και οι υπειρεσται

562

1/2-f3 και οι υπηρετι

05s

1/2-f4 και οι πηρεται

045 299 829 1059\* 1096\*

1/2-f5 και οι περετε

1335

1/2-f6 και οι πηρε[3]

796\*

1/2-f7 και οι πηρετη

796c

3 και υπηρεται

044	59	138	168*	359	514	565	686
688	752	884	905	931	994	1214	1302*
1425*	1673	2247	2546	2575	2584	2727	2756

4 OM

274s 683 741 1188

Z DEF

P52	P59	P66	P90	P108	05	011	013
087	0109	27	28	96	179s	246	274
283	370	405	416	475s	500	573	649
731s	766	779	781	798	800	863	888
892	904	947	1092	1119	1293	1336	1343
1400	1571s	1590	1633	1803	1804	1820	2282
2290	2307	2316	2418	2442	2529	2535	2634

2649	2650	2679s	2717	2725	2726	2779	2782
2905	2907	2908					
=====							
■	18,18/16	οι υπηρεται ανθρακιαν πεποιηκοτες					
1/2-f1	ανθρανκιαν						
1059							
1/2-f2	ανθρααν						
553							
=====							
■	18,18/18	οι υπηρεται ανθρακιαν πεποιηκοτες οτι ψυχος ην					
1/2-f1	πεπεποιηκοτες						
818							
1/2-f2	πεποιηκο						
900							
1/2-f3	πεποικοτες						
1128	1800	2497	2528				
=====							
■ 179	18,18/20-28	οι υπηρεται ανθρακιαν πεποιηκοτες οτι ψυχος ην και εθερμαινοντο					
3	εν μεσω της αυλης και θερμαινομενοι οτι ψυχος ην						
2786							
Z	DEF						
P52	P59	P90	P108	05	011	087	0109
27	28	96	179s	246	274	283	370
416	475s	500	573	649	731s	766	779
781	798	800	863	892	904	947	1092
1119	1293	1336	1343	1400	1571s	1590	1633

1803	1804	1820	2282	2290	2307	2316	2398
2418	2442	2529	2535	2634	2649	2650	2679s
2717	2725	2726	2779	2782	2905	2907	2908

=====

■ 18,18/20  
 οτι  
 ψυχος ην και εθερμαινοντο

1/2-f1 τι

892s

=====

■ 18,18/22  
 οτι  
 ψυχος  
 ην και εθερμαινοντο

1/2-f1 ψυχο

1241

1/2-f2 ψυχος ο

1199

=====

■ 180 18,18/24  
 οτι ψυχος  
 ην  
 και εθερμαινοντο

1/2 ην

534c

1/2-f1 ηο

2495

3 OM

1325 1644

Z DEF

P52	P59	P66	P90	P108	05	011	087
0109	27	28	96	179s	246	274	283
342	370	405	416	475s	500	534*	573
649	731s	766	768	779	781	798	800

863	892	904	947	1092	1119	1143	1293
1336	1343	1400	1571s	1590	1633	1803	1804
1820	2282	2290	2307	2316	2386	2398	2418
2442	2529	2535	2634	2649	2650	2679s	2717
2725	2726	2779	2782	2905	2907	2908	

=====

■ 181            18, 18/26-28            οτι ψυχος ην  
   και εθερμαινοντο

1/2            και εθερμαινοντο

1582c    1802c

1/2-f1       και εθερμεινοντο

543       1802\*

1/2-f2       και εθερμινοντο

1008

1/2-f3       και εθερμαινετο

732       1808

3            OM

1	205	209	565	1582*	1784s	2713	2786
2886							

Z            DEF

P52	P59	P90	P108	05	011	087	0109
27	28	96	179s	246	274	283	370
416	475s	500	573	649	731s	766	779
781	798	800	863	892	904	947	1092
1119	1293	1336	1343	1400	1571s	1590	1633
1803	1804	1820	2282	2290	2307	2316	2398
2418	2442	2529	2535	2634	2649	2650	2679s
2717	2725	2726	2779	2782	2905	2907	2908

=====

■ 182            18, 18/30-48  
   ην δε και ο Πετρος μετ αυτων εστως και θερμαινομενος

1	ην δε μετ αυτων ο πετρος εστως και θερμαινομενος						
017c	022c*	124c	211*	363c	492c	534c	972c
1172sc	1484c	1627c	2783c				
1-f1	δε μετ αυτων ο πετρος εστως και θερμαινομενος						
405							
1-f2	η δε μετ αυτων ο πετρος εστως και θερμαινομενος						
492*							
1-f3	ην δε μ αυτων ο πετρος εστως και θερμαινομενομενος						
680							
1-f4	ην δε μετ αυτου ο πετρος εστως και θερμαινομενος						
162							
1-f5	ην δε μετ αυτων ο ο πετρος εστως και θερμαινομενος						
211c*							
1-f6	ην δε μετ αυτων ο πετρο εστως και θερμαινομενος						
120							
1-f7	ην δε μετ αυτων ο πετρος εστηκως και θερμαινομενος						
054	233	345	731	782	1001	1230	1241
1646	1676	1695	2252	2397	2728		
1-f8	ην δε μετ αυτων ο πετρος εστως και θερμενομενομον						
022*							
1-f9	ην δε μετ αυτων ο πετρος εστως και θερμαινος						
1465							
1-f10	ην δε μετ αυτων ο πετρος εστως και θερμαινομαινομενος						
1519							
1-f11	ην δε μετ αυτων ο πετρος εστως και θερμενομενος						

1-f12	ην δε μετ αυτων ο πετρος εστως και θερμνεμενος							
1542								
1-f13	ην δε μετ αυτων ο πετρος εστως και θερμενος							
05s	124*	1335						
1-f14	ην δε μετ αυτων ο πετρος εστως και θερμενομενομενος							
2643								
1-f15	ην δε μετ αυτων ο πετρος εστως και θεμαινομενος							
1627*								
2	ην δε και ο πετρος μετ αυτων εστως και θερμαινομενος							
P60	P66	01	03	04	019	033	1	
33	138	205	209	213	357	579s	799	
865	884	994c	1071	1321	1582	1784s	2684	
2713	2886							
3	ην μετ αυτων ο πετρος εστως και θερμαινομενος							
1644	2405							
4	ην δε ο πετρος μετ αυτων εστως και θερμαινομενος							
994*	2575							
5	ην δε ο πετρος εκει μετ αυτων εστως και θερμαινομενος							
2718								
6	ην δε και πετρος μετ αυτων εστως και θερμαινομενος							
032								
7	ην δε πετρος μετ αυτων εστως και θερμαινομενος							
0141	317	333	423	821				
8	ην δε και ο πετρος εστως μετ αυτων και θερμαινομενος							
565	1819	2129	2517					
9	ην και ο πετρος μετ αυτων εστως και θερμαινομενος							

2702							
10	ην δε πετρος μετ αυτων και θερμαινομενος						
1370							
11	ην μετ αυτων πετρος εστως και θερμαινομενος						
1415							
12	ην δε μετ αυτων πετρος εστως και θερμαινομενος						
350	394	544	652	655	669	1125	1137
1269	1309	1471	1484*	1577	1779	2132	2516
2721							
13	ην δε και μετ αυτων ο πετρος εστως και θερμαινομενος						
12	108	126	363*	1135	1498		
14	ην δε μετ αυτων και ο πετρος εστως και θερμαινομενος						
13	346	543	788	826	828	905c	1626
2705	2786						
15	ην δε μετ αυτων και πετρος εστως και θερμαινομενος						
807	905*						
16	ην δε μετ αυτων σιμων πετρος εστως και θερμαινομενος						
1061							
17	ην γαρ μετ αυτων και ο πετρος εστως και θερμαινομενος						
69							
18	ην δε μετ αυτων ο πετρος και θερμαινομενος						
017*	2112						
19	ην δε μετ αυτων εστως και θερμαινομενος						
972*							
20	ην δε μετ αυτων ο πετρος						
1558	2670						



21	OM						
711	792	1172s*	1288	1574	2606		
W1/3/12	[ην δε] μετ αυτων ο [πετ]ρος [εστως] και θερμαινομενος						
342							
W-f1	ο πετρος εστως και θερμαινομενος						
2783*							
Z	DEF						
P52	P59	P90	P108	05	011	087	0109
27	28	96	179s	246	274	283	370
376	416	475s	500	534*	573	587	649
731s	748	766	779	781	798	800	863
888	892	904	947	1092	1119	1143	1293
1336	1343	1400	1571s	1590	1633	1803	1804
1820	2282	2290	2307	2316	2398	2418	2442
2529	2535	2634	2649	2650	2679s	2717	2725
2726	2779	2782	2905	2907	2908		
=====							
■	18,19/2						
	ο ουν αρχιερευσ ηρωτησεν τον Ιησουν						
1/2-f1	ως						
544							
1/2-f2	OM						
390	892s	1335	2179				
=====							
■	183	18,19/4		ο ουν αρχιερευσ ηρωτησεν τον Ιησουν			
3	δε						
379	394	508c*	1267	2100			
4	OM						

508*	1569	1599					
Z	DEF						
P52	P59	P90	P108	05	011	087	0109
27	28	96	179s	246	274	283	370
416	475s	500	573	731s	748	766	779
781	798	800	863	892	904	947	1092
1119	1143	1293	1343	1400	1571s	1590	1633
1803	1804	2282	2290	2307	2316	2398	2418
2529	2535	2634	2649	2650	2679s	2717	2725
2726	2779	2782	2905	2907	2908		
=====							

■ 18,19/6 ο συν  
αρχιερεus  
ηρωτησεν τον Ιησουν

1/2 αρχιερεus

1660c

1/2-f1 αρχιερεus

900

1/2-f2 χιερεus

1660c\*

1/2-f3 χιρι

1660\*

=====

■ 184 18,19/8 ο συν αρχιερεus  
ηρωτησεν  
τον Ιησουν

1/2 ηρωτησεν

547\*

1/2-f1 ηρωτησε

1200s

1/2-f2 ηρωτησι

1571							
1/2-f3	ηρωτεσε						
1139							
1/2-f4	ηρωτησ						
260							
1/2-f5	ερωτησε						
1640							
3	επηρωτησε						
038	54	189	213	547c	563	676	825
1236	1625	2478					
4	ηρωτα						
2106							
w1/2/3	[ηρωτησ]εν						
P66							
Z	DEF						
P52	P59	P60	P90	P108	05	011	087
0109	27	28	96	179s	246	274	283
370	416	475s	500	573	731s	748	766
779	781	798	800	863	892	904	947
1092	1119	1207	1293	1343	1400	1571s	1590
1633	1803	1804	2282	2290	2307	2316	2398
2418	2529	2535	2634	2649	2650	2679s	2717
2725	2726	2779	2782	2907	2908		

■ 185      18, 19/10-30 ο συν αρχιερευσ ηρωτησεν  
τον Ιησουν περι των μαθητων αυτου και περι της  
διδαχης αυτου

1/2      τον ιησουν περι των μαθητων αυτου και περι της διδαχης αυτου

188c	435sc	534c	595c*	827c	1044c*	1375c1
1558c*	1675c	1709c				

1/2-f1	τον ιης περι των μαθητων αυτου και περι της διδαχης αυτου
472	
1/2-f2	τον ιησουν περι των μαθητων αυτου και περι της διδαχης αυτου
2389	
1/2-f3	τον ιησουν περι των αυτου και περι της διδαχης αυτου
1375*	1675*
1/2-f4	τον ιησουν περι των μαμαθητων αυτου και περι της διδαχης αυτου
2404	
1/2-f5	τον ιησουν περι των μαθητων μαθητων αυτου και περι της διδαχης αυτου
188*	
1/2-f6	τον ιησουν περι των μαθητων αυτου αυτου και περι της διδαχης αυτου
861	
1/2-f7	τον ιησουν περι των μαθητων αυτου και και περι της διδαχης αυτου
411	
1/2-f8	τον ιησουν περι των μαθητων αυτου και προ της διδαχης αυτου
2546	
1/2-f9	τον ιησουν περι των μαθητων αυτου και περι της δαδαχης αυτου
1084	
1/2-f10	τον ιησουν περι των μαθητων αυτου και περι της δαχης αυτου
168	218
1/2-f11	τον ιησουν περι των μαθητων αυτου και περι της διδαχης αυτο
2179	
1/2-f12	τον πετρον περι των μαθητων αυτου και περι της διδαχης αυτου
1044*	

1/2-f13	τον περι των μαθητων αυτου και περι της διδαχης αυτου						
827*							
3	τω ιησου περι των μαθητων αυτου και περι της διδαχης αυτου						
2454							
4	αυτον περι των μαθητων αυτου και περι της διδαχης αυτου						
1113							
5	τον ιησουν περι των μαθητων και περι της διδαχης αυτου						
1215	1440	1498	2283	2605	2612	2897	
6	τον ιησουν περι των μαθητων αυτου και της διδαχης αυτου						
69	124	357	405	595*	744	788	833
841	1144	1152	1299	1350	2188	2559	
7	τον ιησουν περι της διδαχης αυτου και των μαθητων αυτου						
1021							
8	τον ιησουν περι της διδαχης αυτου και περι των αυτου						
2192							
9	τον ιησουν περι των μαθητων αυτου και περι της διδαχης						
1709*							
10	περι των μαθητων αυτου τον ιησουν και περι της δαχης αυτου						
1780							
11	περι τον ιησουν περι των μαθητων αυτου και περι της διδαχης αυτου						
435s*							
12	τω ιησου περι των μαθητων αυτου						
486							
13	τον ιησουν περι των μαθητων αυτου						
73	1081	1082	2900				

14 τον ιησουν περι της διδαχης αυτου

473 1139

W τον ιησουν [πε]ρι [των μαθητω]ν αυτου και περι [...]

P66

W1/2/9-f τω ιησουν περι των μαθητων αυτου και περι της διδαχης αυτου

1558\* 2474 2616

Z DEF

P52	P59	P90	P108	05	011s	047	087
0109	27	28	96	179s	246	274	283
370	416	475s	500	534*	573	731s	748
766	779	781	798	800	863	888	892
904	947	1092	1119	1143	1207	1293	1343
1400	1571s	1590	1633	1803	1804	2282	2290
2307	2316	2398	2418	2529	2535	2634	2649
2650	2679s	2717	2725	2726	2779	2782	2907
2908							

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■ 18, 20/2-20  
απεκριθη αυτω Ιησους εγω παρρησια λελαληκα τω κοσμω εγω παντοτε

1/2 απεκριθη αυτω ο ιησους εγω παρρησια ελαλησα τω κοσμω εγω παντοτε

45c\*

W [24]τοτε

45\*

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■ 186 18, 20/2-6

απεκριθη αυτω Ιησους  
εγω παρρησια λελαληκα

1 απεκριθη αυτω ο ιησους

45c*	106c	595c*	655c	990c	1001c	1152c	1166c
1280c	1643c	1709c					

1-f1 πεκριθη αυτω ο ιησους

892s							
1-f2	απεκριθη αυτ ο ιησους						
29*							
1-f3	απεκριθ αυτω ο ιησους						
1492							
1-f4	απεκριθη αυτω ο ιησουν						
595*							
2	απεκριθη αυτω ιησους						
P66	03	05s	019	038	045	162	260
295	335	440	507	655*	656	726	1082
1114	1166*	1355	1457	1520	1530	1571	1709*
2117	2287	2362	2563	2606	2905		
3	απεκριθη δε αυτω ο ιησους						
1	138	209	357	565	905	994	1582
1692	2517	2575	2684	2702	2713		
3-f1	απεκρι δε αυτω ο ιησους						
1784s							
4	απεκριθη ουν αυτω ο ιησους						
494	784						
5	και απεκριθη αυτω ο ιησους						
022	168	731	732	878	1263	1623	2106
2808							
6	και απεκριθη αυτω ιησους						
01Cca							
7	απεκριθη αυτοις ο ιησους						
106*	1011	1465	2658	2766			
8	απεκριθη ιησους						

264	952	990*	1261*	1403	1593	1603	2612
9	απεκριθη ο ιησους						
04	29c	345	551	579s	831	1019	1188
1239	1261c	1294	1484	1643*	2281	2301	2694
10	απεκρινατο ο ιησους						
11	73	112	188	200	583	650	941
944	1179	1207	1212	1444	1449	2371	2475
2608	2747						
10-f1	απεκριθατο ο ιησους						
1324							
11	και απεκριθη ιησους αυτω						
01*							
12	απεκριθη ο ιησους και ειπεν αυτω						
1546							
13	απεκριθη ιησους και ειπεν αυτω						
2452							
14	απεκριθη ο ιησους και ειπεν						
1816							
15	απεκριθη ουν αυτω ο ιησους λεγων						
2786							
16	απεκριθη αυτω ο εγ						
1280*							
17	αυτω ο ιησους						
1001*							
18	ΟΜ						



2374

Z	DEF						
P52	P59	P60	P90	P108	05	011s	087
0109	27	28	45*	96	179s	246	274
283	370	416	475s	500	573	731s	748
766	779	781	798	800	836	863	892
904	947	1092	1119	1152*	1293	1343	1400
1421	1571s	1590	1633	1803	1804	2282	2290
2307	2316	2398	2418	2529	2535	2634	2649
2650	2679s	2717	2725	2726	2779	2782	2907
2908							

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■ 187      18, 20/8-16      απεκριθη αυτω Ιησους  
εγω παρρησια λελαληκα τω κοσμω  
εγω παντοτε εδιδαξα

1      εγω παρρησια ελαλησα τω κοσμω

04c2    041\*      45c\*    125c      796c    1054sc    2703c    2757\*

1-f1      εγω παρρησια ελαλησα ελαλησα τω κοσμω

1054s\*

1-f2      γω παρρησια ελαλησα τω κοσμω

2177

1-f3      εεω παρρησια ελαλησα τω κοσμω

2703\*

1-f4      εγω παρρασια ελαλησα τω κοσμω

1409

1-f5      εγω παρρηια ελαλησα τω κοσμω

11

16

1-f6      εγω ραρρησια ελαλησα τω κοσμω

05s

1-f7      εγω παρρησια ελαλησα τω κοσμ

125\*

1-f8      εγω παρρησια ελαλησα τω κοσμω[1]

165

2      εγω παρρησια λελαληκα τω κοσμω

01	02	03	04*	019	022c*	033	037
041c	044	054	0141	1	27s	33	138
187	205	209	213	228	299	331	352
357	375	565	579s	679	713	782	799
821	865	905	934	974	994	1001	1006
1071	1118	1187	1208	1268	1269	1319	1321
1353	1370	1422	1541	1582	1676	1784s	1819
1820	2252	2397	2411	2478	2517	2524	2575
2660	2684	2713	2728	2794			

2-f1      εγω παρρησια λελαληκα τω κοσμα

022\*

3      εγω παρρησιαν ελαλησα τω κοσμω

298      732      796\*      1780      2499

4      εγω παρρησιας ελαλησα τω κοσμω

56

5      εγω εν παρρησια ελαλησα τω κοσμω

1170      1413

6      εγω παρρησια τω κοσμω ελαλησα

1065      1068      1689

7      εγω παρρησια ελαλησα εν τω κοσμω

39	142	168	180	303	306	315	392
428	482	523	720	723	731	733	734
741	742	744	747	772	817	818	819
833	854	855	856	858	862	874	878
886	888	889	998	1043	1089	1160	1218
1262	1265	1267	1302	1336	1387	1387s	1432

1506	1534	1580	1707	2148	2188	2192	2470
2490	2550	2573	2735	2757c	2808		
7-f1	εγω παρρησια ελαληκσα εν τω κοσμω						
857							
8	OM						
150	295						
W	[εγω παρρησια ελ]αλησα τω κοσ[μω]						
P66							
W1/2	εγω παρρησια λελαλησα τω κοσμω						
1136	1139	1573					
W1/2	εγω παρρησια ελαληκα τω κοσμω						
2886							
Z	DEF						
P52	P59	P60	P90	P108	05	011s	087
0109	27	28	45*	96	179s	246	274
283	370	376	416	475s	500	573	731s
748	766	779	781	798	800	836	863
892	904	947	1092	1119	1143	1207	1293
1343	1400	1543	1571s	1590	1633	1803	1804
2282	2290	2307	2316	2398	2418	2529	2535
2634	2649	2650	2679s	2717	2725	2726	2779
2782	2907	2908					
=====							
■ 188	18, 20/18	λελαληκα τω κοσμω εγω παντοτε εδιδαξα					
1/2	εγω						
45c							
3	και						
233	345	731					
Z	DEF						

P52	P59	P66	P90	P108	05	011s	087
0109	27	28	45*	96	179s	246	274
283	370	416	475s	500	573	731s	748
766	779	781	798	800	836	863	892
904	947	1092	1119	1143	1293	1343	1400
1571s	1590	1633	1803	1804	2282	2290	2307
2316	2398	2418	2529	2535	2634	2649	2650
2679s	2717	2725	2726	2779	2782	2907	2908

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■ 189      18, 20/20      λελαληκα τω κοσμω εγω  
παντοτε  
εδιδαξα εν συναγωγη

1/2      παντοτε

45c      1357c      1966\*

1/2-f1      [παν]τοται

P66

1/2-f2      πανοτε

1135

1/2-f3      παντο

1349

3      παντες

377      1357\*      1654      1966c

3-f1      παντας

1569      2766

3-f2      παντα

686      1425

4      OM

1071

Z      DEF

P52	P59	P60	P90	P108	05	011s	087
0109	27	28	45*	96	179s	246	274
283	370	416	475s	500	573	731s	748
766	779	781	798	800	836	863	892
904	947	1092	1119	1293	1343	1400	1571s
1590	1633	1803	1804	2177	2282	2290	2307
2316	2398	2418	2529	2535	2634	2649	2650
2679s	2717	2725	2726	2779	2782	2907	2908

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■ 190 18, 20/22-38 εγω παντοτε  
εδιδαξα εν συναγωγη και εν τω ιερω οπου παντες  
οι Ιουδαιοι συνερχονται

3 OM

1200s

Z DEF

P52	P59	P90	P108	05	011s	087	0109
27	28	96	179s	246	274	283	370
416	475s	500	573	731s	748	766	779
781	798	800	836	863	892	904	947
1092	1119	1293	1343	1400	1571s	1590	1633
1803	1804	2177	2282	2290	2307	2316	2398
2418	2529	2535	2634	2649	2650	2679s	2717
2725	2726	2779	2782	2907	2908		

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■ 191 18, 20/22-34 εγω παντοτε  
εδιδαξα εν συναγωγη και εν τω ιερω  
οπου παντες οι Ιουδαιοι συνερχονται

1/2 εδιδαξα εν συναγωγη και εν τω ιερω

4c	19*	126*	306c	399*	663c	666sc	691*
743*	811*	935*	1059c	1333c	1357*	1484c	1531c
1645c	1808c	2133c	2426*				

1/2-f1 εδυδαξα εν συναγωγη και εν τω ιερω

1335

1/2-f2 εδαξα εν συναγωγη και εν τω ιερω

1059\*

1/2-f3 εδιδασκα εν συναγωγη και εν τω ιερω

2856\*

1/2-f4 εδιδαξ εν συναγωγη και εν τω ιερω

1531\*

1/2-f5 εδιξα εν συναγωγη και εν τω ιερω

2295

1/2-f6 εδιδαξα ε συναγωγη και εν τω ιερω

1291

3 εδιδαξα εν τη συναγωγη και εν τω ιερω

031s	039	1	19c	22	34	46	69c
71	80	107	118s	122	126c	134	138
140	149	158	164	168	209	251	286
289	295	296	335	343	347	351	357
399c	412	419	439	444	511	516	519
520	525	533	554	558	565	575	691c
718	723	724	732	762	780	794	795
809	811c	820	844	857	873	877	884
905	925	927	935c	937	956	963	988
990	994	1004	1009	1011	1012	1013	1017
1024	1034	1035	1036	1039	1048	1054s	1063
1064	1077	1082	1085	1086	1117	1135	1138
1155	1190	1204	1208	1209	1210	1212	1235
1239	1242	1263	1273	1294	1303	1325	1326
1357c*	1359	1394	1397	1409	1422	1441	1442
1467	1471	1474	1494	1515	1528	1534	1540
1541	1546	1553	1556	1557	1562	1567	1571
1574	1582	1600	1602	1622s	1629	1632	1640
1643	1644	1645*	1651	1654	1664	1668	1677
1678	1686	1695	1784s	1791	1800	1802	2107
2135	2136	2137	2139	2147	2178	2214	2238
2282s	2290s	2292	2352	2374	2399	2422	2426c
2439	2470	2471	2482	2497	2575	2658	2679
2684	2687	2702	2708	2709	2713	2718	2737
2757	2758s	2773	2808	2809	2863		

3-f1 εδιδα εν τη συναγωγη και εν τω ιερω

503

3-f2	εδιδασκα εν τη συναγωγη και εν τω ιερω								
2411									
3-f3	εδιδαξα εκ τη συναγωγη και εν τω ιερω								
903									
4	εδιδαξα τη συναγωγη και εν τω ιερω								
1299	2676								
5	εδιδαξα εν συναγωγαις και εν τω ιερω								
288	472	744	833	2660	2710				
6	εν συναγωγη εδιδαξα και εν τω ιερω								
64	212	267	306*	471	649	663*	755		
772	881	889	1043	1262	1327	2263			
7	εν συναγωγη και εν τω ιερω								
69*	2133*								
8	εδιδασκον εν συναγωγη και εν τω ιερω								
154	684	727	729	733	736	743c	749		
834	835	841	883	1182	1252	1261	1533		
2185	2452	2517	2856c						
9	εδιδασκον εν τη συναγωγη και εν τω ιερω								
1536									
10	εδιδαξα εν τη συναγωγη και εν ιερω								
205	2886								
11	εδιδαξα εν συναγωγη και εν ιερω								
666s*	2900								
12	εδιδαξα εν συναγωγη εν τω ιερω								
428	486	959	1605	1808*	2454				
13	εδιδαξα εν συναγωγη και ω ιερω								

595							
14	εδιδαξα εν συναγωγη και εν						
	4 *						
15	εδιδαξα εν τω ιερω και εν συναγωγη						
165	579s	1671	2112				
16	εδιδαξα εν τω ιερω και εν τη συναγωγη						
680							
17	εδιδαξα εν τω ιερω						
131	193	953	2244				
18	εδιδαξα εν συναγωγη						
1065	1068	1484 *					
19	εδιδαξα εν τω κοσμω [τη συνα]γωγη και εν τω ιερω						
2311							
20	εδιδαξα εν συναγωγη και εν τω [28-36] ιερω						
1333 *							
W	εδιδ[αξα ... κ]αι εν τω [...]						
P66							
Z	DEF						
P52	P59	P60	P90	P108	05	011s	087
0109	0290	27	28	96	179s	246	274
283	370	416	475s	500	546	573	731s
748	766	771	779	781	798	800	836
863	892	904	947	1092	1119	1143	1200s
1293	1343	1400	1421	1571s	1590	1633	1803
1804	2177	2282	2290	2307	2316	2398	2418
2524	2529	2535	2634	2649	2650	2679s	2717
2725	2726	2779	2782	2907	2908		
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192

18, 20 / 36-44

και εν τω ιερω  
 οπου παντες οι Ιουδαιοι συνερχονται  
 και εν κρυπτω ελαλησα ουδεν

1            όπου παντοτε οι ιουδαιοι συνερχονται

04c2	80*	126*	380*	682*	778c*	896c*	1357c
1484*	1606c	1609c*	1644c	1780c	2145*	2193*	2247c

1-f1 όπου παντοτε οι οιουδαιοι συνερχονται

680

1-f2      όπου παντοτε οι ουδαιοι συνεργχονται

1780\*

1-f3 οπου παντοτε οι ιουδαι συνεργονται

492

1-f4 όπου παντοτε οι ιδαιου συνερχονται

2641

1-f5 όπου παντοτε οι ιδαιοι συνερχονται

1227      1788

1-f6 όπου παντοτε οι ιουδαιοι συν[ε]ρχονται

2148

1-f7      οπου παντοτε οι ιουδαιοι συνηρχοντα

718

1-f8            όπου παντοτε οι ιουδαιοι συνεχονται

1644\*

1-f9 όπου παντοτε οι ιουδαιοι συνεργχορται

1087

1-f10 όπου παντοτε οι ιουδαιοι συνερται

892s

1-f11 όπου παντοτε οι ιουδαιοι συνηρχονται

294	295	419c	494	591	1606*	2605	2643
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2 όπου παντες οι ιουδαιοι συνερχονται

01	02	03	04*	019	022	032	033
038	041	0141	0211	1	13	24c	30
32	46	59	69	77	111	114	124
131	138c	150	151	160	183	188	190
196	205	208	209	211	213	240	269
274s	275	276	278	288	296	305	306
315	317	332	357	359	368	379	380c
389	406	428	448	482	489	506c	522
525	543	558	565	577	657	699	710
713	724	730	734	741	742	743	744
755	783	788	799	807	811	817	821
823	826	828	833	854	856	858	865
871	873	875	881	886	889	905	906
944	974	987s	992	994	1006	1019	1021
1043	1057	1071	1079	1110	1160	1214	1217
1219	1232	1272	1280	1289	1306	1309	1315
1321	1324	1336	1338	1342	1357*	1358	1359
1370	1404	1422	1444	1451	1456	1481	1484c
1491	1505	1510	1535	1545	1546	1554	1563
1566	1577c*	1578	1582	1604	1609*	1613	1627
1643	1647	1690	1695	1699	1709	1816	2101
2182	2206	2247*	2277	2290s	2328	2381	2411
2437	2483	2490	2495	2508	2517	2528	2561
2575	2590	2622	2670	2684	2687	2694	2695
2702	2708	2735	2750	2810	2812	2863	2886
2902							

2-f1 ο παντες οι ιουδαιοι συνερχονται

1577\*

2-f2 όπου παντες οι ουδαιοι συνερχονται

138\* 2404

3 όπου παντες ιουδαιοι συνερχονται

549	720	723	772	857	891	1534	1819
1820	2129	2470					

4 OM

1502								
5	οπου παντες οι ιουδαιοι συνηρχοντο							
33	377	855	1663	1675				
5-f1	οπου παντες οι ιουδαιοι συνερχοντο							
2786								
6	οπου παντες συνερχονται οι ιουδαιοι							
1093								
7	οπου παντες οι ιουδαιοι συνερχοντες							
579s								
8	παντες ιουδαιοι συνηρχοντω							
1128								
9	οπου παντοθεν οι ιουδαιοι συνερχονται							
80c1	1303	1802	2758s					
10	ο παντοτε οι ιουδαιοι συνερχονται							
4								
11	οπου παντοτε ιουδαιοι συνερχονται							
66	266	273s	324	508	754	827	844	
896*	1044	1144	1233	1241	1335	1343s	1377	
1396	1398	1506	2405	2406	2521	2546	2612	
2680								
12	οπου παντοτε ιουδαιοι συνηρχοντο							
792	1269							
13	οπου παντοτε οι ιουδαιοι συνηρχοντο							
021	16	26	48	182	187	218	419*	
495	564	595	682c	747	780	841	895	
977	990	1013	1085	1197	1243	1344	1353	
1446	1528	1556	1593	2121	2145c	2188	2191	
2297	2526	2686	2766	2768				

13-f1	οπου παντοτε οι ιουδαιοι συνερχοντο						
10	49	168	231	1038	1091	1194	2660
14	οπου παντοτε οι ιουδαιοι προσερχονται						
1126	1354	2422					
14-f1	οπου παντοτε οι ιουδ(αιοι) προσερχονται						
1202							
15	οπου παντοτε οι ιουδαιοι εισερχονται						
1135							
16	οπου παντοτε οι ιουδαιοι ανερχονται						
1080							
17	οπου παντοτε οι ιουδαιοι συναγονται						
796	1781						
18	οπου παντοτε οι ιουδαιοι ερχονται						
552							
19	οπου παντοτε ιουδαιοι ερχονται						
1172s							
20-f1	οπου παντοτε οι ιουδαιοι συνησερχονται						
472							
20-f2	οπου παντοτε οι ιουδαιοι συνεισερχ						
655							
21	οπου οι ιουδαιοι συναγονται						
795							
22	ενθα οι ιουδαιοι συνερχονται παντοτε						

121	413	533	662	1060	1297	1642	1966
2263	2515						
22-f1	[οπου] ενθα οι ιουδαιοι σ[υνερ]χονται παντοτε						
2311							
22-f2	εν[1-2]θα οι ιουδαιοι συνερχονται παντοτε						
663							
23	ενθα οι ιουδαιοι συνερχονται						
1665							
24	οπου παντοτε παντες οι ιουδαιοι συνερχονται						
126c							
25	οπου οι ιουδαιοι συνερχονται						
1567							
26	οπου παντες συνερχονται						
24*							
W-f1	οπου παντο οι ιουδαιοι συνερχονται						
365							
W-f2	οπου παν οι ιουδαιοι συνερχονται						
506*							
W-f3	ο παντε οι ιουδαιοι συνερχονται						
778*							
W-f4	οπου παντ οι ιουδαιοι συνερχονται						
2193c							
W	[οπου παντοτε οι ι]ουδαιο[ι συνερχ]ο[νται]						
P66							
Z	DEF						

P52	P59	P60	P90	P108	05	011s	087
0109	0290	27	28	96	179s	246	274
283	333	370	416	475s	500	546	573
731s	736	748	766	779	781	798	800
836	863	892	904	947	1092	1119	1143
1200s	1207	1293	1343	1400	1421	1558	1564
1571s	1590	1633	1803	1804	2177	2282	2290
2307	2316	2398	2418	2535	2634	2649	2679s
2717	2725	2726	2779	2782	2907	2908	

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■ 193      18, 20/46-50      οι Ιουδαιοι συνερχονται  
και εν κρυπτω  
ελαλησα ουδεν

1/2      και εν κρυπτω

246c      555c      2524c

1/2-f1      και ε κρυπτω

05s      1220

1/2-f2      και κρυ εν κρυπτω

555\*

1/2-f3      και εν κρυ

2524\*

3      και εν τω κρυπτω

0211      556      2317      2465

4      OM

1665

Z      DEF

P52	P59	P60	P66	P90	P108	05	011s
087	0109	0290	27	28	96	179s	246*
274	283	370	416	475s	500	546	573
731s	748	766	779	781	798	800	836
863	892	904	947	1092	1119	1143	1293
1343	1400	1558	1571s	1590	1803	1804	2177
2282	2290	2307	2316	2398	2418	2535	2634

2649	2679s	2717	2725	2726	2779	2782	2907
2908							
=====							
■ 194	18, 20/52-54		και εν κρυπτω ελαλησα ουδεν				
1/2	ελαλησα ουδεν						
143c1	246c	1348c					
1/2-f1	ελαληλησα ουδεν						
680							
1/2-f2	ελαλησαν υδεν						
841							
1/2-f3	ελαλησα οδεν						
1054s							
1/2-f4	ελαληλα ουδεν						
143*							
1/2-f5	ελαησα ουδεν						
1128							
3	ελαλησα ουδε εν						
2223	2561						
4	ουκ ελαλησα ουδεν						
851							
4B	ουκ ελαλησα ουδε εν						
579s							
Z	DEF						
P52	P59	P60	P66	P90	P108	05	011s
087	0109	0290	27	28	96	179s	246*
274	283	370	416	475s	500	573	731s

748	766	779	781	798	800	836	863
892	904	947	1092	1143	1293	1343	1344
1348*	1349	1400	1421	1564	1571s	1590	1803
1804	2177	2282	2290	2307	2316	2398	2418
2535	2634	2649	2679s	2715	2717	2725	2726
2779	2782	2907	2908				

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■ 195 18,21/2-6

τι με ερωτας  
ερωτησον τους ακηκοοτας

1 τι με επερωτας

234c\* 523c 794c\* 799c 1432c\* 1709c 2561c

1-f1 τι τι με επερωτας

2369

1-f2 τι με περωτας

723 1204

1-f3 τι με επερωταις

268 345 444

1B τι δε με επερωτας

406

1C τι δε επερωτας

1709\*

1D τι επερωτας

523\* 1432\*

2 τι με ερωτας

01	02	03	04	019	032	033	038
044	054	26	33	213	331	333	368
405	423	595	649	705	799*	844	856
865	873	881	889	954	976	987s	1000
1009	1029	1043	1071	1242	1262	1273	1321



1424	1456	1558	1784s	1819	1820	2129	2525
2561*	2623	2705	2713				
3	τι με						
234*	794*						
4	OM						
1574							
Z	DEF						
P52	P59	P60	P66	P90	P108	05	011s
087	0109	0290	27	28	96	179s	274
283	370	416	475s	500	573	731s	748
766	779	781	798	800	836	863	877
892	904	947	1092	1143	1293	1343	1349
1400	1571s	1590	1803	1804	2177	2282	2290
2307	2316	2398	2418	2535	2634	2649	2676
2679s	2717	2725	2726	2779	2782	2907	2908

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■ 196 18, 21/8-12 τι με ερωτας  
ερωτησον τους ακηκοοτας  
τι ελαλησα αυτοις

1	επερωτησον τους ακηκοοτας
04c2	1214c 1230c 1593c 1626c
1-f1	επερωτησον τους ακηκοοτας
1128	
1-f2	[3] επερωτησον τους ακη[κοοτας]
888	
1-f3	επερωτησον τους ακηκοοτας
16	
1-f4	επερωτησον τους ακηκοοτας
05s	
1-f5	επερωτησον τους ακηκοοτας

212	267	683	1188	2370
1-f6	επερωτησαν τους ακηκοοτας			
514	1626*			
1-f7	επερωτησον τος ακηκοοτας			
1214*				
1-f8	επερωτησον τους κηκοοτας			
715				
1-f9	επερωτησον τους ακηκοοντας			
126c*	377			
1-f10	επερωτησον τους ακηκουοτας			
126*	505	1574		
1-f11	επερωτησον τους ακουοντας			
819				
1-f12	επερωτησον τους ακακοοτας			
1230*				
1-f13	επερωτησον τους ακηκοατας			
02	875			
1-f14	επερωτησον τους ακηκοοας			
587				
1B	επερωτησον δε τους ακηκοοτας			
698				
1C	επερωτησον τους ακηκοοτας μου			
2192				
2	ερωτησον τους ακηκοοτας			

01	03	04*	019	032	033	044	1
13	33	69	138	142	205	209	233
299	317	345	346	357	397	405	543
565	579s	713	731	780	782	788	826
841	865	902	954	968	974	978	994
1001	1006	1049	1087	1093	1172s	1202	1220
1268	1285	1289	1321	1392	1424	1432	1446
1458	1580	1582	1593*	1654	1675	1695	1784s
1819	1820	2129	2188	2252	2265	2397	2517
2524*	2528	2562	2575	2661	2713	2718	2721
2728	2737						

2-f1 ερωτησον τους ακκοοτας

2524c

2-f2 ερωτησον [τους ακηκοοτ]οας

P66

2-f3 ερωτησεν τους ακηκοοτας

1273

3 επερωτησον

1567

4 OM

2900

Z DEF

P52	P59	P60	P90	P108	05	011s	087
0109	0290	27	28	96	179s	274	283
370	416	475s	500	573	731s	748	766
779	781	798	800	836	863	892	904
947	1092	1143	1293	1343	1349	1400	1571s
1590	1803	1804	2177	2282	2290	2307	2316
2398	2418	2535	2634	2649	2676	2679s	2717
2726	2779	2782	2907	2908			

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■ 197 18, 21/14 ερωτησον τους ακηκοοτας  
τι  
ελαλησα αυτοις

1/2 τι

180c\*

3            **οτι**

037	40	169	525	772	856	889	1043
1262	2766						

4            **OM**

180\*

Z            DEF

P52	P59	P60	P90	P108	05	011s	087
0109	0290	27	28	96	179s	274	283
370	416	475s	500	573	731s	748	766
779	781	798	800	836	863	888	892
904	947	1092	1143	1293	1343	1349	1400
1571s	1590	1803	1804	2177	2282	2290	2307
2316	2398	2418	2535	2634	2649	2676	2679s
2717	2726	2779	2782	2907	2908		

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■ 198            18, 21/16            ερωτησον τους ακηκοοτας τι  
ελαλησα  
αυτοις

3            **ειπον**

1009

Z            DEF

P52	P59	P60	P90	P108	05	011s	087
0109	27	28	96	179s	274	283	370
416	475s	500	573	731s	748	766	779
781	798	800	836	863	888	892	904
947	1092	1293	1343	1349	1400	1571s	1590
1803	1804	2177	2282	2290	2307	2316	2398
2418	2535	2634	2649	2676	2679s	2717	2726
2779	2782	2907	2908				

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■ 199            18, 21/18            τι ελαλησα  
αυτοις  
ιδε ουτοι οιδασιν α ειπον εγω

1/2            αυτοις

2404c							
1/2-f1	αυ αυτοις						
1415							
1/2-f2	ανοιτς						
388							
3	αυτους						
037	752	2404*					
4	OM						
819	854	886	1160	1613	2490	2735	
Z	DEF						
P52	P59	P60	P90	P108	05	011s	087
0109	27	28	96	179s	274	283	370
416	475s	500	573	731s	748	766	779
781	798	800	836	863	888	892	904
947	1092	1293	1343	1349	1400	1564	1571s
1590	1803	1804	2177	2282	2290	2307	2316
2398	2418	2535	2634	2649	2676	2679s	2717
2726	2779	2782	2907	2908			
=====							

■ 200      18, 21/20-30      τι ελαλησα αυτοις  
ιδε ουτοι οιδασιν α ειπον εγω

1/2	ιδε ουτοι οιδασιν α ειπον εγω
2516c	
1/2-f1	ιδε ουτοι οιδασιν ιδε ουτοι οιδασιν α ειπον εγω
1640	2516*
3	OM
23	
Z	DEF

P52	P59	P60	P90	P108	05	011s	087
0109	27	28	96	179s	274	283	370
416	475s	573	731s	748	766	779	781
798	800	836	863	888	892	904	947
1092	1293	1343	1344	1349	1400	1571s	1590
1803	1804	2177	2290	2307	2316	2398	2418
2634	2649	2676	2679s	2717	2726	2779	2782
2907	2908						

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■ 18, 21/20 τι ελαλησα αυτοις  
ιδε  
ουτοι οιδασιν α ειπον εγω

1/2 ιδε

274s\*

1/2-f1 οιδε

543 1204

1/2-f2 ι οιδε

280

1/2-f3 ιδε οτι

1263

1/2-f4 δε

274sc

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■ 201 18, 21/22 ιδε  
ουτοι  
οιδασιν α ειπον εγω

1/2 ουτοι

61c 530c

1/2-f1 ουτοι ουτοι

61\*

1/2-f2 ουντοι

1135

1/2-f3 ουτος

2422

1/2-f4 ου

355

1/2-f5 ουτο[ι]

530\*

3 αυτοι

562 1398

Z DEF

P52	P59	P60	P66	P90	P108	05	011s
087	0109	0290	23	27	28	96	179s
274	283	370	416	475s	500	573	731s
748	766	779	781	798	800	836	863
888	892	904	947	1092	1143	1293	1343
1344	1349	1400	1571s	1590	1803	1804	2177
2282	2290	2307	2316	2398	2418	2634	2649
2676	2679s	2717	2726	2779	2782	2907	2908

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■ 202 18, 21/24 ιδε ουτοι  
οιδασιν  
α ειπον εγω

1/2 οιδασιν

69c

1/2-f1 οι

69\*

1/2-f2 οιδα

2129

3 ειπωσιν

772	856	889	1262				
Z	DEF						
P52	P59	P60	P66	P90	P108	05	011s
087	0109	0290	23	27	28	96	179s
274	283	370	416	475s	514	573	731s
748	766	779	781	798	800	836	863
888	892	904	947	1092	1143	1293	1343
1344	1349	1400	1571s	1590	1803	1804	2177
2282	2290	2307	2316	2398	2418	2470	2634
2649	2676	2679s	2717	2726	2779	2782	2907
2908							

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■ 203 18, 21/26-30 ιδε ουτοι οιδασιν  
α ειπον εγω

1/2 α ειπον εγω

1701c 2524\* 2524c2

1/2-f1 ω ειπον εγω

741

1/2-f2 α πον εγω

2371

3 τι ειπον εγω

394 1047s 1093 1704 2108 2145

4 ειπον εγω

1336

4-f1 πον εγω

2524c1

5 α εγω ειπον

1558 1664 1701\* 2670 2718

6 α ειπον



	545	585	1375	1434	2375	2535	2707
7	α ειπον αυτοις						
	1689						
8	τι ελαλησα εγω						
	033	865					
9	τι ελαλησα αυτοις α ειπον εγω						
	1646						
W	α ει[πον εγω]						
	2282						
Z	DEF						
	P52	P59	P60	P90	P108	05	011s 087
	0109	23	27	28	96	179s	274 283
	370	416	475s	573	730	731s	748 766
	779	781	798	800	836	863	892 904
	947	1092	1293	1343	1344	1349	1400 1571s
	1590	1803	1804	2177	2290	2307	2316 2398
	2418	2470	2634	2649	2676	2679s	2717 2726
	2779	2782	2907	2908			
=====							

■ 204 18, 22/2-8

ταυτα δε αυτου ειποντος  
εις παρεστηκως των υπηρετων

3 [?] ειποντος δε αυτου ταυτα

2786\*

4 ειποντος δε αυτου ταυτα

2786c

Z	DEF						
	P52	P59	P60	P90	P108	05	011s 087
	0109	27	28	96	179s	274	283 370
	416	475s	573	731s	748	766	779 781
	798	800	836	863	892	904	947 1092

1293	1343	1344	1349	1400	1571s	1590	1803
1804	2177	2282	2290	2307	2316	2398	2418
2634	2649	2676	2679s	2717	2726	2779	2782
2907	2908						

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■ 18,22/2  
 ταυτα  
 δε αυτου ειποντος

1/2 ταυτα

1426c

1/2-f1 ταυ[7-9]τα

1426\*

1/2-f2 ταυ

2856

1/2-f3 αυτα

892s

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■ 205 18,22/4 ταυτα  
 δε  
 αυτου ειποντος

1/2 δε

106c 511c 1622sc 2426c 2691c\* 2804c

3 OM

033	36	69	106*	124	162	213	237
272	440	511*	523	708	788	791	865
1029	1048	1223	1298	1320	1331	1480	1622s*
2374	2426*	2608	2615	2685	2691*	2701	2775s
2804*							

Z DEF

P52	P59	P60	P66	P90	P108	05	011s
087	0109	0290	27	28	96	179s	274
283	370	416	475s	573	731s	748	766
779	781	798	800	836	863	892	904

947	1092	1143	1293	1343	1344	1349	1400
1569	1571s	1590	1803	1804	2177	2185	2192
2282	2290	2307	2316	2398	2418	2634	2649
2676	2679s	2717	2726	2779	2782	2907	2908

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■ 206            18, 22/6-8            ταυτα δε  
   αυτου ειποντος  
   εις παρεστηκως των υπηρετων

1/2            αυτου ειποντος

019c            568c            703\*            718c            1214c            1779c

1/2-f1            αυτου εξειποντος

710

1/2-f2            αυτου ειποντο

938

1/2-f3            αυτου ειποτος

019\*

1/2-f4            αυτου ειπωτους

579s

1/2-f5            αυτου ει[9]

1214\*

1/2-f6            αυτου ποντος

718\*

1/2-f7            αυτου ειποντος αυτω

703c

3            ειποντος αυτου

377            444            807            1326            1543            2809

4            ειποντος

13	64	211	270	392	497	568*	1000
1082	1227	2206	2810				
5	αυτου λαλουντος						
683	1188						
Z	DEF						
P52	P59	P60	P66	P90	P108	05	011s
087	0109	0290	27	28	96	179s	245
274	283	370	416	475s	514	573	731s
748	766	779	781	798	800	836	863
892	904	947	1092	1143	1293	1343	1344
1349	1400	1571s	1590	1779*	1803	1804	2177
2282	2290	2307	2316	2398	2418	2634	2649
2676	2679s	2717	2726	2779	2782	2786	2907
2908							

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■ 207 18, 22/10-16 ταυτα δε αυτου ειποντος  
εις παρεστηκως των υπηρετων  
εδωκεν ραπισμα τω Ιησου

1 εις των υπηρετων παρεστηκως

04c2 78c1 1642c 1779c 2131c

1-f1 ει των υπηρετων παρεστηκως

2131\*

1-f2 εις τον υπερων παρεστικως

1335

1-f3 εις το υπυρετων παρεστηκως

2422c

1-f4 εις το πυρετων παρεστηκως

2422\*

1-f5 εις των υπηρεστων παρεστηκως

1

1-f6 εις των υπερητων παρεστηκως

2478							
1-f7	εις των υπερειτων παρεστηκος						
368							
1-f8	εις των υπηρετων παρεστκος						
537							
1-f9	εις των υπηρετων παρεστως						
038	891	1651	2145	2223	2680		
2	εις παρεστηκος των υπηρετων						
01*	03	032	530	1242	1819	1820	
3	εις των υπηρετων ο παρεστηκος						
31	2100						
4	εις των υπηρετων εστηκος						
69							
5	εις παρεστως των υπηρετων						
2561							
6	εις των παρεστηκος υπηρετων						
782	1043	1136	1357*				
7	εις των παρεστωτων υπηρετων						
P59 1321	04*	019	044	33	213	397	799
7-f1	εις των παραστωτων υπηρετων						
033							
7-f2	εις των παρεστωλων υπηρετων						
865							
9	εις των παρεστηκοτων υπηρετων						

01Cca	054	78*	127	132	175	279	299
352	375	700	1001	1071	1268	1392	1431
1448	1513	1676	1701	2252	2405	2524	2728
2786	2794						
9-f1	εις των παρεστηκοντων υπηρετων						
2397							
10	εις των παρεστηκοτων των υπηρετων						
579s							
11	εις των ων υ παρεστηκοτος υπηρετων σου						
1357c							
12	εις των παρεστηκοτων παρεστηκως						
164	1457						
13	εις των παρ υπηρετων παρεστηκως						
1642*							
14	εις των υπηρετων						
2304							
15	εις των παρεστωτων						
0141	821						
16	εις των παρεστηκοτων						
792	974	1006					
17	των υπηρετων παρεστηκως						
405c							
18	εις των στρατιωτων των υπηρετων παρεστηκως						
27s	1319						
19	τις των υπηρετων παρεστηκως						
584	1343s						

20 τις παρεστηκως των υπηρετων

1654

21 εις τις των υπηρετων παρεστηκως

1692

22 εις των υπηρετων {εδωκε ραπισμα τω ιησου} παρεστηκως

2487

23 OM

2106

W [...]των

P66

W εις των οι υπηρετων παρεστηκως

2900

Z DEF

P52	P60	P90	P108	05	011s	087	0109
27	28	96	179s	245	274	283	370
405*	416	475s	573	731s	748	766	779
781	798	800	836	863	892	904	947
1092	1143	1207	1293	1343	1344	1349	1400
1571	1571s	1590	1779*	1803	1804	2177	2282
2290	2307	2316	2398	2418	2634	2649	2676
2679s	2717	2726	2779	2782	2907	2908	

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■ 208 18, 22/18 εις παρεστηκως των υπηρετων  
εδωκεν  
ραπισμα τω Ιησου

3 δεδωκεν

472 697 743 1365 2679

Z DEF

P52	P59	P60	P90	P108	05	011s	087
0109	0290	27	28	96	179s	245	274

283	370	405	416	475s	573	731s	748
766	779	781	798	800	836	863	892
904	947	1092	1143	1207	1293	1343	1344
1349	1400	1421	1571	1590	1803	1804	2177
2282	2290	2307	2316	2398	2418	2634	2649
2676	2679s	2717	2726	2779	2782	2907	2908

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■ 209      18, 22/20-24      εδωκεν  
ραπισμα τω Ιησου  
ειπων

1/2      ραπισμα τω ιησου

61\*      61c2      287c\*      1413c

1/2-f1      απισμα τω ιησου

46

1/2-f2      ραπισ τω ιησου

168      1413\*      1577

1/2-f3      ραπσης τω ιησου

1335

1/2-f5      ραπισμα τω [1]ιυς

287\*

3      ραπισμα ιησου

61c

4      ραπισματα τω ιησου

1506

5      τω ιησου ραπισμα

4      591      720      1478s

W1/2/3/4      ραπει[σμα τω] ιησου

P59



Z	DEF						
P52	P60	P66	P90	P108	05	011s	087
0109	27	28	96	179s	274	283	370
405	416	475s	573	600	731s	748	766
779	781	798	800	836	863	888	892
904	947	1092	1143	1207	1293	1343	1344
1349	1400	1571	1590	1803	1804	2177	2282
2290	2307	2316	2398	2418	2634	2649	2676
2679s	2717	2726	2779	2782	2907	2908	
=====							

■ 210 18, 22/26 εδωκεν ραπισμα τω Ιησου  
ειπων  
ουτως αποκρινη τω αρχιερει

1/2 ειπων

851c

1/2-f1 υπων

851\*

1/2-f2 ειπεν

231

3 λεγων

79	163	377	1000	1071	1125	1393	1485
1623	2727						

Z	DEF						
P52	P60	P90	P108	05	011s	087	0109
27	28	96	179s	274	283	370	405
416	475s	573	731s	748	766	779	781
798	800	836	863	888	892	904	947
1092	1293	1343	1344	1349	1400	1571	1590
1803	1804	2177	2290	2307	2316	2398	2418
2470	2634	2649	2676	2679s	2717	2726	2779
2782	2907	2908					
=====							

■ 211 18, 22/27 ειπων  
SINE ADD  
ουτως αποκρινη τω αρχιερει

3            ADD αυτω

1820        2129

Z            DEF

P52	P60	P66	P90	P108	05	011s	087
0109	0290	27	28	96	179s	274	283
335	370	405	416	475s	573	731s	748
766	779	781	798	800	836	863	888
892	904	947	1092	1143	1293	1343	1344
1349	1400	1571	1590	1803	1804	2177	2282
2290	2307	2316	2398	2418	2475	2634	2649
2676	2679s	2717	2726	2779	2782	2907	2908

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■    212            18, 22/28            ειπων  
   ουτως  
   αποκρινη τω αρχιερει

1/2            ουτως

698c        2101c

1/2-f1        ουτω

698\*        1135

3            OM

2101\*

Z            DEF

P52	P60	P66	P90	P108	05	011s	087
0109	0290	27	28	96	179s	274	283
335	370	405	416	475s	573	731s	748
766	779	781	798	800	836	863	888
892	904	947	1092	1143	1293	1343	1344
1349	1400	1571	1590	1803	1804	2177	2282
2290	2307	2316	2398	2418	2634	2649	2676
2679s	2717	2726	2779	2782	2907	2908	

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■                    18, 22/30            ειπων ουτως  
   αποκρινη  
   τω αρχιερει

1/2-f1 απεκρινη

163 494 1096 1808

1/2-f2 αποκρρνε

69

1/2-f3 αποκριει

1017

=====

■ 213 18, 22/34 ειπων ουτως αποκρινη τω  
αρχιερει

1/2 αρχιερει

0290c

1/2-f1 αρχιαρη

2422

1/2-f2 αρχιει

1901

3 ιερει

0290\*

Z DEF

P52	P60	P90	P108	05	011s	087	0109
27	28	96	179s	274	283	335	370
405	416	475s	573	664	731s	748	766
771	779	781	798	800	836	863	892
904	947	1092	1293	1343	1344	1349	1400
1571	1590	1803	1804	2177	2282	2290	2307
2316	2398	2418	2634	2649	2676	2679s	2717
2726	2779	2782	2907	2908			

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■ 214 18, 23/2-6

απεκριθη αυτω Ιησους  
ει κακως ελαλησα

1	απεκριθη αυτω ο ιησους							
	04c	891c	929c					
2	απεκριθη αυτω ιησους							
	03	04*	019	038	121	406	471	481
	546	690	861	1007	1202	1241	1256	2249
	2311	2606	2754					
3	απεκριθη αυτοις ο ιησους							
	1301							
4	απεκριθη ο ιησους							
	747	929*	1038	2192	2786			
5	απεκριθη ιησους							
	87	408	438	562	1410	1509	1697	
5-f1	απεριθη ιησους							
	1403							
6	απεκρινατο αυτω ο ιησους							
	2206							
7	απεκριθη αυτω ο ιησους ειπων							
	784							
8	αποκριθεις δε ο ιησους ειπεν αυτω							
	1135							
9	ο δε ιησους ειπεν αυτω							
	01	032	13	69	124	346	543	579s
	788	826	828	1654	1689	2561		
10	ο δε ιησους ειπεν							
	969							
11	ΟΜ							

348	891*						
Z	DEF						
P52	P59	P60	P66	P90	P108	05	011s
087	0109	0290	27	28	96	179s	274
280	283	335	370	405	416	475s	514
573	731s	748	766	771	779	781	798
800	836	863	892	904	947	976	1092
1119	1143	1293	1343	1344	1349	1400	1421
1571	1590	1803	1804	2177	2282	2290	2307
2316	2398	2418	2470	2634	2649	2676	2679s
2717	2726	2779	2782	2907	2908		
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■ 215 18, 23/8 απεκριθη αυτω Ιησους  
 ει  
 κακως ελαλησα

1/2-f1	ε						
2400							
3	εαν						
677							
4	ου						
1432							
5	OM						
2497							
Z	DEF						
P52	P59	P66	P90	P108	05	011s	087
0109	27	28	96	179s	274	283	335
370	405	416	475s	573	731s	748	766
771	779	781	798	836	863	892	904
947	1092	1293	1343	1344	1349	1400	1571
1590	1803	1804	2177	2290	2307	2316	2398
2418	2634	2649	2676	2679s	2717	2726	2779
2782	2907	2908					
=====							

■ 216 18, 23/9 απεκριθη αυτω Ιησους ει  
SINE ADD  
κακως ελαλησα

1/2 SINE ADD

2598c

3 ADD μεν

47	61	189	317	497	651	676	725
825	1138	1236	1267	1402	1549	1553	1654
2146	2295						

4 ADD μη

56 58

W3/4 ADD [2]α

345

W3/4 ADD [2]

2598\*

Z DEF

P52	P59	P66	P90	P108	05	011s	087
0109	27	28	96	179s	274	283	335
370	405	416	475s	573	731s	748	766
771	779	781	798	836	863	892	904
947	962	1092	1293	1343	1344	1349	1400
1571	1590	1803	1804	2177	2290	2307	2316
2398	2418	2634	2649	2676	2679s	2717	2726
2779	2782	2907	2908				

■ 18, 23/10 ει  
κακως  
ελαλησα

1/2 κακως

523c 700c 1059c 2478c\*

1/2-f1 κακω

036 700\* 1059\*

1/2-f2 καλως  
562 1673 2478\*

1/2-f3 καλεως  
523\*

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■ 217 18, 23/12 ει κακως  
ελαλησα  
μαρτυρησον περι του κακου

1/2 ελαλησα  
01Cca 732c\* 2426c

1/2-f1 ελα[1]ησα  
2426\*

1/2-f2 ελασα  
1139

1/2-f3 ελαληλα  
732\*

3 ειπον  
01\* 032 579s

4 OM  
2422

Z DEF

P52	P59	P60	P66	P90	P108	05	011s
087	0109	0290	27	28	96	179s	274
283	335	370	405	416	475s	573	731s
748	766	771	779	781	798	836	863
892	904	947	1092	1143	1293	1343	1344
1349	1400	1571	1590	1803	1804	2177	2282
2290	2307	2316	2398	2418	2634	2649	2676
2679s	2717	2726	2779	2782	2907	2908	

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■ 218 18,23/14 ελαλησα  
μαρτυρησον  
περι του κακου

1/2-f1 αρτυρησον  
892s

1/2-f2 μαρτυρισαν  
27s

1/2-f3 μαρτυρησην  
2236

1/2-f4 μαρτυρισω  
1298 2311

1/2-f5 μαρτυρησ(ης)  
2673

3 OM  
168

Z DEF

P52	P59	P66	P90	P108	05	011s	087
0109	27	28	96	179s	274	283	335
370	405	416	475s	573	731s	748	766
771	779	781	798	836	863	892	904
947	1092	1293	1343	1344	1349	1400	1571
1590	1803	1804	2177	2282	2290	2307	2316
2398	2418	2634	2649	2676	2679s	2717	2726
2779	2782	2907	2908				

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■ 219 18,23/15 μαρτυρησον  
SINE ADD  
περι του κακου

3 ADD με  
2612



Z	DEF						
P52	P59	P66	P90	P108	05	011s	087
0109	27	28	96	168	179s	274	283
335	370	405	416	475s	573	731s	748
766	771	779	781	798	836	863	892
904	947	976	1041	1092	1293	1343	1344
1349	1400	1571	1590	1803	1804	2177	2282
2290	2307	2316	2398	2418	2634	2649	2676
2679s	2717	2726	2779	2782	2907	2908	

■ 220 18,23/16 μαρτυρησον  
περι  
του κακου

3	υπερ						
148	588	732	1128	1269	1813	2311	2405

Z	DEF						
P52	P59	P66	P90	P108	05	011s	087
0109	27	28	96	179s	274	283	335
370	405	416	475s	573	731s	748	766
771	779	781	798	836	863	892	904
947	976	1041	1092	1293	1343	1344	1349
1400	1571	1590	1803	1804	2177	2290	2307
2316	2398	2418	2634	2649	2676	2679s	2717
2726	2779	2782	2907	2908			

■ 221 18,23/18 μαρτυρησον περι  
του  
κακου

3	OM						
1303	1571s						

Z	DEF						
P52	P59	P60	P90	P108	05	011s	087
0109	27	28	96	179s	274	280	283
335	370	405	416	475s	511	573	731s
748	766	771	779	781	798	836	863
892	904	947	1041	1092	1143	1293	1343

1344	1349	1400	1571	1590	1803	1804	2177
2282	2290	2307	2316	2398	2418	2634	2649
2676	2679s	2717	2726	2779	2782	2907	2908

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■ 18, 23/20 μαρτυρησον περι του κακου

1/2-f1 κακως

857 1534

1/2-f2 κακακου

52

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■ 222 18, 23/22-26 μαρτυρησον περι του κακου  
ει δε καλως  
τι με δερεις

1/2-f1 ει δε κακως

710

3 ει καλως

295

4 ει δε και καλως

07

5 OM

2129

Z DEF

P52	P59	P66	P90	P108	05	011s	087
0109	0290	27	28	96	179s	274	283
335	370	405	416	475s	514	573	711
731s	748	766	771	779	781	798	836
863	892	904	947	1041	1092	1293	1343
1344	1349	1400	1404	1571	1590	1803	1804
2177	2282	2290	2307	2316	2398	2418	2634

2649	2676	2679s	2717	2726	2779	2782	2907
2908							

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■	18, 23/28	ει δε καλως τι με δερεις
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1/2-f1    τι με τι

494

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■	223	18, 23/30	ει δε καλως τι με δερεις
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1/2    με

2328c\*

3    OM

280    2328\*

Z    DEF

P52	P59	P60	P66	P90	P108	05	011s
087	0109	27	28	96	179s	274	283
335	370	405	416	475s	573	711	731s
748	766	771	779	781	798	836	863
892	904	947	976	1041	1092	1293	1343
1344	1349	1400	1571	1590	1803	1804	2177
2282	2290	2307	2316	2398	2418	2634	2649
2676	2679s	2717	2726	2779	2782	2907	2908

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■	224	18, 23/32	τι με δερεις
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1/2    δερεις

61c	80c1	100*	122*	126c	170*	226*	267*
368*	395c	557c	660*	679*	900*	925c	1142*
1408*	1425*	1484*	1530*	2146c	2247*	2483c*	2535*
2561*	2561c2	2608c					

1/2-f1    ερεις

2616

1/2-f2    δε[1]ρεις

395\*

3            δαιρεις

034	7	18	26	34	35	38	45 <sub>c</sub>
46	47	49	51	52	54	55	56
58	60	61*	74	76	79	80*	83
86	89	90	100 <sub>c</sub>	107	116	121	122 <sub>c</sub>
125	126*	128	141	147	154	155	157
159	167	170 <sub>c</sub>	171	180	189	192	193
196	201	204	214	226 <sub>c</sub>	234	240	246
247	266	267 <sub>c</sub>	285	288	290	294	305
331	342	361	363	368 <sub>c</sub>	379	386	387
388	390	392	394	402	412	413	415
428	443	444	479	480	483	484	486
493	498	501	502	508	509	510	512
516	519	520	521	529	533	536	546
547	551	553	554	557*	558	561	569
575	581	582	584	586	588	600	645
648	651	660 <sub>c</sub>	663	664	666 <sub>s</sub>	676	679 <sub>c</sub>
683	686	689	691	694	695	696	703
713	723	725	730	743	744	755	757
758	761	762	763	769	786	789	790
797	801	806	807 <sub>c1</sub>	811	818	824	825
833	834	845	857	858	886	889	890
891	897	900 <sub>c</sub>	924	925*	928	932	934
938	940	949	953	954	955	957	958
959	960	961	962	973	978	979	986
987 <sub>s</sub>	988	992	995	998	999	1003	1017
1018	1019	1020	1021	1023	1024	1025	1026
1029	1030	1031	1032	1033	1035	1038	1039
1040	1044	1046	1053	1057	1058	1059	1060
1062	1063	1065	1068	1072	1075	1080	1082
1084	1087	1088	1095	1111	1114	1117	1118
1119	1126	1127	1128	1131	1132	1137	1138
1142 <sub>c</sub>	1144	1145	1146	1147	1148	1158	1165
1170	1171	1173	1178	1180	1181	1185	1189
1190	1193	1196	1198	1199	1202	1205	1215
1217	1224	1233	1234	1236	1247	1248	1250
1251	1263	1265	1272	1278	1280	1290	1294
1296	1297	1301	1303	1305	1306	1315	1316
1318	1323	1326	1328	1329	1334	1336	1339

1343s	1345	1348	1353	1358	1387	1387s	1389
1390	1391	1394	1395	1396	1397	1402	1404
1406	1408c	1409	1421	1424	1427	1435	1436
1442	1445	1447	1450	1453	1454	1456	1461
1462	1467	1468	1469	1471	1476	1477	1480
1482	1484c	1487	1488	1489	1490	1491	1492
1493	1494	1495	1496	1497	1499	1501	1502
1503	1506	1508	1509	1521	1530c1	1531	1532
1534	1543	1544	1545	1547	1548	1549	1550
1551	1552	1553	1557	1559	1560	1561	1571s
1572	1576	1580	1581	1584	1585	1586	1594
1595	1596	1599	1600	1605	1609	1614	1615
1617	1618	1619	1620	1625	1626	1627	1628
1632	1633	1634	1635	1636	1637	1639	1641
1642	1643	1645	1648	1649	1650	1651	1652
1653	1656	1664	1665	1667	1673	1678	1680
1685	1686	1688	1689	1690	1694	1695	1698
1699	1700	1702	1703	1705	1712	1779	1786
1787	1788	1789	1791	1808	1813	1823	1966
2099	2101	2109	2118	2122	2131	2135	2146*
2175	2178	2192	2204	2206	2214	2215	2220
2221	2238	2244	2247c	2249	2253	2255	2260
2261	2265	2266	2273	2283	2284	2291	2295
2296	2301	2304	2311	2315	2322	2323	2352
2355	2364s	2367	2370	2374	2382	2387	2389
2399	2404	2407	2422	2444	2454	2460	2463
2466	2467	2479	2483*	2490	2492	2494	2496
2503	2508	2510	2511	2514	2518	2520	2523
2526	2533	2535c	2546	2554	2555	2559	
2561c1							
2584	2590	2598	2605	2608*	2611	2620	2621
2623	2635	2636	2641	2645	2653	2656	2658
2660	2673	2679	2686	2689	2692	2694	2705
2706	2707	2708	2709	2710	2714	2715	2725
2730	2749	2765	2767	2773	2788s	2806	2808
2809	2810	2868	2897	2900			

3-f1      δαιρει

377

3-f3      δαρεις

45\*

4          δηρεις

1425c    1498

W δ[1]ρεις

511 807\*

Z DEF

P52	P59	P60	P90	P108	05	011s	087
0109	27	28	96	179s	274	283	335
370	405	416	475s	573	711	731s	748
766	771	779	781	798	836	863	892
904	947	976	1041	1092	1143	1293	1343
1344	1349	1400	1571	1590	1803	1804	2177
2290	2307	2316	2398	2418	2442	2632	2634
2649	2676	2679s	2717	2726	2779	2782	2907
2908							

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■ 18, 23/33 τι με δερεις  
SINE ADD

1/2 SINE ADD

931c

W ADD [10]

931\*

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■ 225 18, 24/2-4 απεστειλεν ουν  
αυτον ο Αννας

1 απεστειλεν

04c2	041*	95*	660c	698*	760c	1119*	1348c
1567c	2247c	2396c	2561c	2706*	2775sc		

1-f1 απεστειεν

538

1-f2 απεστελεν

1348\*

1-f3 απεστειλαν

61	2775s*						
1-f4	πεστειλεν						
16	152	244	1331				
2	απεστειλεν ουν						
P60	03	04*	019	022	032	033	037
038	041c	044	1	31	33	38	48
78	80c1	95c	127	132	157	159	175
205	213	233	279	297	299	331	352
375	377	395	443	446	470	482	490
515	544	552	565	574	579s	663	691
695	700	713	760*	776*	780	782	807
839	841	857	865	873	905	926	969
974	1001	1006	1053	1071	1136	1148	1199
1201	1213	1220	1230	1268	1273	1303	1315
1321	1342	1355	1392	1396	1398	1422	1428
1431	1448	1486	1513	1557	1582	1626	1654
1666	1676	1695	1697	1701	1802	1808	1819
1820	2129	2223	2252c	2321	2397	2400	2405
2476	2516	2517	2524	2530	2546	2623	2661
2702	2706c	2718	2728	2758s	2786	2794	2813
2886							
3	απεστειλεν δε						
01	031s	047	9	11	13	46	52
54c	65	66c1	69	73	80*	112	113
119*	119c	124	133	185	188	191	200
217	219	247	251	280	292	330	346
358	360	491	492	494	508	528	578
583	650	660*	697	698c	761	776c	788
799	826	828	851	942	965	995	1005
1007	1061	1077	1090	1094	1119c	1139	1179
1193	1207	1211	1214	1215	1237	1272	1278
1324	1365	1373	1395	1403	1449	1455	1498
1538	1563	1564	1565	1567*	1588	1595	1598
1678	1689	1797	1901	2118	2127	2200	2247*
2283	2371	2372	2394	2406	2500	2509	2514
2521	2592	2605	2608	2613	2703	2760	2897
3-f1	απεστελεν δε						
54*							

3-f2 απεστειλεν δε ο

2217

4 OM

66\*

W2/3 απεστειλε [2-3]

2252\* 2396\* 2561\*

Z DEF

P52	P59	P66	P90	P108	05	011s	087
0109	0290	27	28	96	179s	274	283
335	370	405	416	475s	573	711	730
731s	748	766	771	779	781	798	863
892	904	947	1041	1092	1182	1293	1343
1344	1349	1400	1571	1590	1803	1804	2177
2282	2287	2290	2307	2316	2398	2418	2632
2634	2649	2676	2679s	2717	2726	2779	2782
2907	2908						

■ 18, 24/4 απεστειλεν  
ουν  
αυτον ο Αννας

1/2-f1 ουν προς

1228

■ 226 18, 24/6-20 απεστειλεν ουν  
αυτον ο Αννας δεδεμενον προς Καιαφαν τον αρχιερα

1/2 αυτον ο αννας δεδεμενον προς καιαφαν τον αρχιερα

16c	40c	106*	154c	165c	281*	333c	360c
391c*	414c	534c	682c1	1090c	1139c	1303c	1425c
1632c	2120c*	2511c					

1/2-f1 αυτον ο αννας ο αννας δεδεμενον προς καιαφαν τον αρχιερα

2633



1/2-f2	αυτον ο αννα δεδεμενον προς καιαφαν τον αρχιερεα						
664							
1/2-f3	αυτον ο αννας δεδεμενο(ν)νον προς καιαφαν τον αρχιερεα						
168							
1/2-f4	αυτον ο αννας δεδεμενον προς καιαφαν τον αρχιερεα						
1233							
1/2-f5	αυτον ο αννας δεδεμενον προ καιαφαν τον αρχιερεα						
2322							
1/2-f6	αυτον ο αννας δεδεμενον προς ο τον αρχιερεα						
281c							
1/2-f7	αυτον ο αννας δεδεμενον προς καιφαν τον αρχιερεα						
40*	414*	680	725	1577	1800	2346	
1/2-f8	αυτον ο αννας δεδεμενον προς καιαφαν των τον αρχιερεα						
1303*							
1/2-f9	αυτον ο αννας δεδεμενον προς καιαφαν τον αρερεα						
1096							
1/2-f10	αυτον ο αννας δεδεμενον προς καιαφαν τον						
2511*							
1/2B	αυτον ο αννας δεδεμενον προς καιαφαν τον αρχιερεαν						
013	031s	56	165*	294	445	449	494
524	656	775	784	831	976	1037	1044
1122c*	1139*	1188	1232	1269	1335	1511	1614
1651	1691	1802	2174	2185	2192	2236	2311
2526	2573	2603	2605	2670	2691	2711	
1/2B-f1	αυτον ο αννας δεδεμενον προς καιφαν τον αρχιερεαν						
1122*							

1/2B-f2	αυτον ο αννας δεδεμενον προς καιφααφαν τον αρχιερεαν							
1122c								
3	αυτω ο αννας δεδεμενον προς καιαφαν τον αρχιερεα							
360*	1053	2900						
3-f1	αυτο ο αννας δεδεμενον προς καιαφαν τον αρχιερεα							
16*								
3B	αυτω ο αννας δεδεμενον προς καιαφαν τον αρχιερεαν							
1226								
4	αυτον αννας δεδεμενον προς καιαφαν τον αρχιερεα							
05s	036	73	106c	123	154*	231	251	
349	391*	411	428	522	829	892s	1048	
1060	1090*	1310	1317	1410	1506	1632*	2120*	
2139	2176							
5	αυτον δεδεμενον προς καιαφαν τον αρχιερεα							
191								
6	αυτον ο αννας δεδεμενον προς τον καιαφαν τον αρχιερεα							
47c	117							
7	αυτον ο αννας δεδεμενον προς καιαφα τον αρχιερεα							
039	130	182	225	227	279	574	668	
682*	682c2	841	977	1333	1342	1352	1689	
2411	2465	2643	2728					
7-f1	αυτον ο αννας εδεμενον προς καιαφα τον αρχιερεα							
1135								
8	αυτον δεδεμενον ο αννας προς καιαφαν τον αρχιερεα							
64	212	267						
9	αυτον ο αννας προς καιαφαν δεδεμενον τον αρχιερεα							
1424								

10	αυτον ο αννας προς καιαφαν τον αρχιερα						
022 2788s	95	156	333*	683	874	2521	2766
11	αυτον ο αννας προς τον καιαφαν τον αρχιερα						
47*							
12	ο αννας δεδεμενον προς καιαφαν τον αρχιερα						
245	352	371	762				
13	ο αννας δεδεμενον τον ιησουν προς καιαφαν τον αρχιερα						
503							
14	αυτον ο αννας δεδεμενον προς καιαφαν						
376							
15	αυτον ο αννας προς καιαφαν τον αρχιερα δεδεμενον						
1643							
W	[αυτον ο α]νν[ας] δεδεμε[νον προς καιαφα]ν τον αρχιερα						
P66							
W	αυτον [?] ο αννας δεδεμενον προς καιαφαν τον αρχιερα						
1143							
W	αυτον ο [4] αννας δεδεμενον προς καιαφαν τον αρχιερα						
1425*							
Z	DEF						
P52	P59	P60	P90	P108	05	011s	087
0109	0290	27	28	96	179s	274	280
283	335	370	405	416	475s	534*	573
711	731s	748	766	771	779	781	798
863	888	892	904	947	1041	1092	1182
1207	1293	1343	1344	1349	1400	1571	1590
1712	1803	1804	2177	2282	2287	2290	2307
2316	2398	2418	2470	2632	2634	2649	2676
2679s	2717	2726	2779	2782	2907	2908	

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■ 227 18,24/21 προς Καιαφαν τον αρχιερα  
SINE ADD

3 ADD οπου οι γραμματεις και οι πρεσβυτεροι συνηχθησαν

1335

W ADD [?]

1143

Z DEF

P52	P59	P90	P108	05	011s	087	0109
27	28	96	179s	274	283	335	370
405	416	475s	573	711	731s	748	766
771	779	781	798	863	888	892	904
947	1041	1092	1182	1293	1343	1344	1349
1400	1571	1590	1712	1803	1804	2177	2282
2287	2290	2307	2316	2398	2418	2634	2649
2676	2679s	2717	2726	2779	2782	2907	2908

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■ 18,25/2  
ην  
δε Σιμων Πετρος εστως

1/2-f1 v

16 892s

=====

■ 228 18,25/4 ην  
δε  
Σιμων Πετρος εστως

1/2 δε

534c

1/2-f1 ε

2703

3 OM

473	1269	2708					
Z	DEF						
P52	P59	P60	P66	P90	P108	05	011s
087	0109	0290	27	28	96	179s	274
283	332	335	342	370	405	416	475s
534*	573	711	731s	748	766	771	779
781	798	863	888	892	904	947	976
1041	1092	1182	1293	1343	1344	1349	1400
1421	1571	1590	1712	1803	1804	2177	2282
2287	2290	2307	2316	2398	2418	2634	2649
2676	2679s	2717	2726	2779	2782	2907	2908

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■ 229	18, 25/6-8	ην δε Σιμων Πετρος εστως και θερμαινομενος					
1/2	σιμων πετρος						
471c	534c	544c	679c	1063c	1668c	1808c	
1/2-f1	σιμων ετρος						
74							
1/2-f2	σιμων πετρος πετρος						
1063*							
1/2-f3	σιμων πετος						
63							
1/2-f4	[...]τεικης σιμων πετρος						
891							
3	σιμων ο πετρος						
1135							
4	σιμων						
48	125	355	544*	679*	780	786	1343s
1413	1561	1780	2710	2766			

5            πετρος

033	31	38	186	213	237	259	274s
471*	552	760	865	903	969	1053	1148
1166	1314	1424	1435	1502	1542	1668*	1808*
2546							

6            ο πετρος

1797

7            μετ αυτου σιμων πετρος

895

8            [σιμων πετ]ρος μετ αυτ[ου]

P60

Z            DEF

P52	P59	P66	P90	P108	05	011s	087
0109	0290	27	28	96	179s	274	283
332	335	342	370	405	416	475s	534*
573	711	731s	748	766	771	779	781
798	863	888	892	904	947	1041	1092
1182	1207	1293	1343	1344	1349	1400	1571
1590	1712	1803	1804	2177	2282	2287	2290
2307	2316	2398	2418	2470	2634	2649	2676
2679s	2717	2726	2779	2782	2907	2908	

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■ 230            18, 25/10            ην δε Σιμων Πετρος  
εστως  
και θερμαινομενος

3            OM

2810

Z            DEF

P52	P59	P60	P90	P108	05	011s	087
0109	0290	27	28	96	179s	274	283
332	335	342	370	405	416	475s	514
573	711	731s	748	766	771	779	781
798	863	888	892	904	947	1041	1092
1143	1182	1293	1343	1344	1349	1400	1571

1590	1712	1803	1804	2177	2287	2290	2307
2316	2398	2418	2634	2649	2676	2679s	2717
2726	2779	2782	2907	2908			

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■	18, 25/14	εστω και θερμαινομενος ειπον ουν αυτω
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1/2	θερμαινομενος
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022c*	61c	117c	2404c
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1/2-f1	θερμενος
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05s	686	2766
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1/2-f2	θερμαινομενομενος
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117*	565
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1/2-f3	θερμαινομενο
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1241
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1/2-f4	θερμονομενος
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61*
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1/2-f5	θερμενομενμενος
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022*
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1/2-f6	θεμαινομενος
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2404*
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■	231	18, 25/15	εστω και θερμαινομενος SINE ADD ειπον ουν αυτω
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1/2	θερμαινομενος
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31*
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1/2-f1	θερμενομενος μ
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788
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3	ADD προς το φως						
31c	74	90c1					
3-f1	ADD προς τα φως						
90*							
4	ADD και						
169	281						
Z	DEF						
P52	P59	P60	P66	P90	P108	05	011s
087	0109	0290	27	28	96	179s	274
283	332	335	342	370	405	416	475s
573	711	731s	748	766	771	779	781
798	863	888	892	904	947	1041	1092
1143	1182	1293	1343	1344	1349	1400	1571
1590	1712	1803	1804	2177	2282	2287	2290
2307	2316	2398	2418	2634	2649	2676	2679s
2717	2726	2779	2782	2907	2908		
=====							
■ 232	18, 25/16	εστωσ και θερμαινομενος ειπον ουν αυτω					
1/2-o	ειπαν						
P66	2679						
1/2-f1	ειπον ειπον						
16							
1/2-f2	ειπο						
1691							
3	ειπεν						
039	262	706	829	1187	1211	1288	1644
2766							
Z	DEF						



P52	P59	P60	P90	P108	05	011s	087
0109	0290	27	28	96	179s	274	283
332	335	342	370	405	416	475s	573
711	731s	748	766	771	779	781	798
863	892	904	947	1041	1092	1143	1182
1293	1343	1344	1349	1400	1571	1590	1712
1803	1804	2177	2282	2287	2290	2307	2316
2398	2418	2634	2649	2676	2679s	2717	2726
2779	2782	2907	2908				

■ 233 18, 25/18 ειπον  
 ουν  
 αυτω

1/2 ουν

40c 113c 473c 1352c 1463c

1/2-f1 υν

1233

3 OM

27s	40*	113*	119	130	133	169	217
227	330	348	473*	491	578	668	770
871	1033	1094	1096	1122	1239	1256	1319
1352*	1463*	1588	1644	1666	2192	2236	

Z DEF

P52	P59	P60	P90	P108	05	011s	087
0109	0290	27	28	96	179s	274	283
332	335	342	370	405	416	475s	573
711	731s	748	766	771	779	781	798
863	892	904	947	1041	1092	1143	1182
1207	1293	1343	1344	1349	1400	1571	1590
1712	1803	1804	2177	2287	2290	2307	2316
2398	2418	2442	2634	2649	2676	2679s	2717
2726	2779	2782	2907	2908			

■ 234 18, 25/20 ειπον ουν  
 αυτω  
 μη και συ εκ των μαθητων αυτου ει

1/2-f1 αυτον

156	298	392	792	1207	1573	2604	2606
2643							
3	OM						
0211							
Z	DEF						
P52	P59	P60	P90	P108	05	011s	087
0109	27	28	96	179s	274	283	332
335	342	370	405	416	475s	514	573
711	731s	748	766	771	779	781	798
863	892	904	947	1041	1092	1143	1182
1293	1343	1344	1349	1400	1571	1590	1712
1803	1804	2177	2287	2290	2307	2316	2374
2398	2418	2442	2634	2649	2679s	2717	2726
2779	2782	2907	2908				

■ 235      18,25/21      ειπον ουν αυτω  
 SINE ADD  
 μη και συ εκ των μαθητων αυτου ει

3      ADD οι υπηρεται  
 512

Z	DEF						
P52	P59	P60	P66	P90	P108	05	011s
087	0109	27	28	96	179s	274	283
332	335	342	370	405	416	475s	573
711	731s	748	766	771	779	781	798
863	892	904	947	1041	1092	1143	1182
1293	1343	1344	1349	1400	1571	1590	1712
1803	1804	2177	2282	2287	2290	2307	2316
2398	2418	2442	2634	2649	2679s	2717	2726
2779	2782	2907	2908				

■ 236      18,25/22      ειπον ουν αυτω  
 μη  
 και συ εκ των μαθητων αυτου ει

1/2      μη  
 861c

3 OM

861\*

Z DEF

P52	P59	P60	P66	P90	P108	05	011s
087	0109	27	28	96	179s	274	283
332	335	370	405	416	475s	546	573
711	731s	748	766	771	779	781	798
863	892	904	947	1041	1092	1119	1143
1182	1293	1343	1344	1349	1400	1571	1590
1712	1803	1804	2177	2282	2287	2290	2307
2316	2398	2418	2442	2634	2649	2679s	2717
2726	2779	2782	2907	2908			

■ 237 18, 25/26 μη και  
συ  
εκ των μαθητων αυτου ει

1/2 συ

534c

1/2-f1 εσυ

1088

3 OM

1203

Z DEF

P52	P59	P60	P66	P90	P108	05	011s
087	0109	27	28	96	179s	274	283
332	335	370	405	416	475s	534*	573
711	731s	748	766	771	779	781	798
863	892	904	947	1041	1092	1182	1293
1343	1344	1349	1400	1571	1590	1712	1803
1804	2177	2282	2287	2290	2307	2316	2398
2418	2442	2470	2634	2649	2679s	2717	2726
2779	2782	2907	2908				

■ 238 18, 25/28-36 μη και συ  
εκ των μαθητων αυτου ει

ηρνησατο εκεινος

1/2	εκ των μαθητων αυτου ει							
	04c2	170c	588c	960c	988c*	1543c	1583c*	
1/2-f1	εκ των μαθητων αυτου ει							
	819							
1/2-f2	εκ των μαθητων αυτου εις							
	1235	1322						
3	εξ αυτων ει							
	1375							
4	εκ μαθητων αυτου ει							
	960*	988*						
5	εκ των αυτου ει							
	170*	1543*	1583*	1609				
6	εκ των μαθητων αυτου							
	182	233	782	1166	1551			
7	εκ των μαθητων ει							
	151	245	492	503	588*	716	1128	1350
	1680	2375	2714	2775s	2810			
8	εκ των μαθητων αυτου ει του ανθρωπου							
	1403							
9	εκ των μαθητων ει εκεινου							
	04*	138	357					
10	εκ των μαθητων ει του ανθρωπου εκεινου							
	04c1							
11	εκ των μαθητων ει του ανθρωπου τουτου							

996	1692	2311					
W	εκ των μα[θητων αυτου] ειλ						
1207							
Z	DEF						
P52	P59	P66	P90	P108	05	011s	087
0109	0290	27	28	96	179s	274	280
283	332	335	370	405	416	475s	514
573	657	711	731s	748	766	771	779
781	798	863	892	904	947	1041	1092
1143	1182	1293	1343	1344	1349	1400	1421
1571	1590	1712	1803	1804	2177	2282	2287
2290	2307	2316	2398	2418	2442	2634	2649
2679s	2717	2726	2779	2782	2907	2908	
=====							
■ 239	18, 25/38-40	μη και συ εκ των μαθητων αυτου ει ηρνησατο εκεινος και ειπεν ουκ ειμι					
1	ηρνησατο ουν εκεινος						
04c2	66*	126*	660c	719c*	875*	1215c	1680c
2106c*	2247c	2369*	2611c				
1-f1	ουν ηρνησατο εκεινος						
1390							
1-f2	ηρνησατο εκεινος ουν						
1261	2497	2767					
1-f3	ηρνησαιτο ουν εκεινος						
1343s							
1-f4	[2]ρνησατο ουν εκεινος						
2106*							
1-f5	ηρνητο ουν εκεινος						
1297	1571s						

1-f6 ηρνησατο ουν εκεινος

286

1-f7 αρνησατο ουν εκεινος

1680\*

1-f8 ηρησατο ουν εκεινος

368c

1-f9 ειρησατο ουν εκεινος

1322

1-f10 ηρνησατο ηρ εκεινος

719\*

1-f11 ηρνησατο ην εκεινος

752 1678

1-f12 ηρνησατο ουκ εκεινος

2173

1-f13 ηρνησατο υν εκεινος

232

1-f14 ηρνησατο ουν εκενος

047

1-f15 ηρνησατο ουν εκει

2611\*

2 ηρνησατο εκεινος

P60	01	02	03	04*	05s	013	017
019	022	030	031s	032	033	038	041
044	0211	0290	1	11	15	20	26
27s	29	31	33	38	46	48	52
53	54	65	66c	68	69	73	79
80	87	100	106	109	112	113	114

118s	119	124	126c	127	132	133	138
139	150	154	157	158	160	165	170
175	179	191	200	205	209	213	215
217	219	220	233	239	262	265	266
268	270	274s	275	276	278	289	291
292	295	296	297	299	315	330	331
342	345	352	357	358	360	365	371
375	377	389	396	419	439	440	447
482	489	491	492	493	506	508	514
515	522	525	527	528	537	544	545
552	556	557	562	565	574	578	579s
581	582	583	585	592	595	597	649
654	660*	679	694	697	699	700	706
708	713	718	724	725	726	733	744
755	758	760	764	772	773	776	780
782	787	788	791	799	807	809	833
836	851	856	865	875c	881	883	884
887	889	891	895	902	924	929	931
932	941	942	944	945	949	956	961
963	965	968	969	974	975	986	988
990	992	994	995	996	1001	1005	1006
1007	1009	1011	1013	1017	1026	1035	1043
1047s	1048	1053	1054s	1056	1057	1058	1071
1073	1077	1078	1079	1085	1086	1089	1090
1094	1113	1120	1128	1139	1148	1155	1157
1164	1167	1173	1195	1196	1197	1200s	1207
1211	1212	1214	1215*	1217	1219	1220	1223
1228	1230	1235	1237	1239	1241	1262	1268
1272	1273	1278	1301	1303	1306	1312	1313
1319	1321	1324	1326	1327	1331	1340	1342
1346	1354	1355	1365	1373	1375	1377	1385
1387	1387s	1393	1395	1398	1402	1403	1404
1413	1423	1425	1428	1432	1439	1444	1447
1448	1451	1455	1463	1478s	1498	1502	1506
1510	1512	1544	1546	1547	1556	1561	1564
1565	1574	1575	1577	1580	1581	1582	1585
1588	1589	1596	1597	1598	1600	1602	1604
1606	1620	1622s	1625	1627	1628	1629	1640
1641	1644	1648	1649	1654	1656	1666	1668
1673	1676	1690	1693	1695	1699	1704	1784s
1790	1797	1802	1808c	1816	1819	1820	1901
2100	2107	2108	2120	2122	2127	2129	2145
2178	2181	2191	2193	2195	2200	2213	2217
2223	2238	2247*	2252	2278	2280	2282s	2283
2290s	2295	2315	2317	2321	2328	2346	2369c
2370	2371	2372	2374	2375	2386	2394	2396
2397	2400	2404	2405	2406	2407	2411	2442
2463	2466	2478	2492	2500	2509	2511	2516
2517	2521	2523	2524	2528	2530	2535	2546

2562	2567	2575	2591	2592	2605	2613	2615
2622	2623	2624	2653	2661	2680	2684	2685
2687	2703	2708	2713	2722	2727	2728	2737
2756	2758s	2760	2786	2794	2886	2894	2897
2902							
2-f1	ηρνησα εκεινος						
1808*							
2-f2	ηρνησατοσατο εκεινος						
2206							
2-f3	ηρησατο εκεινος						
368*							
3	ηρνησατο δε εκεινος						
1201	1642						
4	ηρνησατο ουν ο πετρος						
317							
5	λεγει εκεινος						
1532	2159						
6	OM						
829							
Z	DEF						
P52	P59	P66	P90	P108	05	011s	087
0109	27	28	96	179s	274	283	332
335	370	405	416	475s	546	573	657
711	731s	748	766	771	779	781	798
863	888	892	904	947	1041	1092	1143
1182	1293	1343	1344	1349	1400	1421	1571
1590	1712	1803	1804	2177	2282	2287	2290
2307	2316	2398	2418	2634	2649	2679s	2717
2726	2779	2782	2907				

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■ 240      18, 25/42-44      ηρνησατο εκεινος  
και ειπεν



ουκ ειμι

1/2-f1 και ειπον

61 1343s

3 και λεγει

02 33 1654

4 OM

315	741	742	744	817	818	819	833
855	857	886	891	1021	1160	1336	1506
1532	1534	2159	2206	2470	2490	2735	

Z DEF

P52	P59	P90	P108	05	011s	087	0109
27	28	96	179s	274	283	332	335
370	405	416	475s	573	657	711	731s
748	766	771	779	781	798	863	888
892	904	947	976	1041	1092	1143	1182
1293	1343	1344	1349	1400	1571	1590	1712
1803	1804	2177	2287	2290	2307	2316	2398
2418	2634	2649	2679s	2717	2726	2779	2907

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■ 241 18,25/46-48 και ειπεν  
ουκ ειμι

1/2 ουκ ειμι

534c 1338c

3 ου

59	111	119	217	330c	578	710	823
906	923	1139	1186	1232	1237	1359	1491
1505	1558	1563	1578	1588	1604	1901	2476
2495	2670	2863					

w-f1 OM

330\* 1338\* 2182

Z DEF

P52	P59	P66	P90	P108	05	011s	047
087	0109	0290	27	28	96	120	179s
274	283	332	335	370	405	416	475s
534*	573	657	711	731s	748	766	771
779	781	798	863	888	892	904	947
1041	1092	1182	1293	1343	1344	1349	1400
1571	1590	1712	1803	1804	2177	2282	2287
2290	2307	2316	2398	2418	2475	2634	2649
2679s	2717	2726	2779	2907			

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■ 242 18,26/2

λεγει  
εις εκ των δουλων

1/2 λεγει

89\* 483c 516c 534c 547\*

1/2-f1 λεγεις

143 168 1233 2478

3 λεγει ουν

0141	1	46	52	54	60	74	89c
138	156	180	205	209	213	262	272
273s	275	293	357	408	438	444	483*
492	494	501	502	511	519	560	565
568	579s	677	694	706	714	729	731
743	761	782	786	792	801	821	851
884	948	994	995	998	1001	1036	1038
1039	1044	1060	1063	1077	1084	1090	1138
1152	1190	1215	1227	1256	1294	1321	1326
1345	1357	1370	1394	1395	1403	1410	1428
1432	1442	1453	1454	1456	1474	1495	1498
1540	1553	1574	1577	1580	1582	1583	1597
1598	1639	1654	1664	1685	1784s	2135	2139
2148	2173	2191	2252	2283	2397	2406	2476
2494	2500	2517	2518	2533	2549	2561	2575
2592	2605	2616	2643	2660	2684	2702	2709
2713	2721	2766	2775s	2809	2886	2897	2908

3-f1 λεγει ο

184

4	λεγει αυτω						
117	153	189	547c	551	783	901	903
1127	1236	1391	1554	1625	2245	2462	2658
2693s	2732						

W3/4 λεγει [?]

516\*

Z DEF

P52	P59	P66	P90	P108	05	011s	047
087	0109	27	28	96	179s	274	283
335	370	405	416	475s	534*	546	573
657	711	731s	748	766	771	779	781
798	863	888	892	904	947	1041	1092
1119	1143	1182	1285	1293	1343	1344	1349
1400	1571	1590	1712	1803	1804	2177	2282
2287	2290	2307	2316	2398	2418	2634	2649
2679s	2717	2726	2779	2782	2907		

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■ 243 18,26/4-8 λεγει  
εις εκ των  
δουλων του αρχιερεως

1/2 εις εκ των

61c 581c\* 677c 2411c

1/2-f1 ει εκ των

2411\*

1/2-f2 εις κ των

1128

1/2-f3 εις εκ τω

2497

1/2-f4 εις εις εκ των

61\*

3 εκ των

275	579s	1335	2148	2533			
4	εις των						
422	752	1393	1425	1784s	2713	2786	
5-f1	εκ εις των						
2766							
6	τ εκ των						
581*							
Z	DEF						
P52	P59	P90	P108	05	011s	047	087
0109	27	28	96	179s	274	283	335
370	405	416	475s	546	573	657	677*
711	731s	748	766	771	779	781	798
863	888	892	904	947	1041	1092	1119
1143	1182	1293	1343	1344	1349	1400	1421
1571	1590	1712	1803	1804	2177	2282	2287
2290	2307	2316	2398	2418	2634	2649	2679s
2717	2726	2779	2782	2907			
=====							

■ 244 18, 26/9 λεγει εις εκ των  
SINE ADD  
δουλων του αρχιερεως

1/2-f1 ADD μαθητων  
1558

3 ADD μαθητων αυτου ει δε ηρνησατο εκεινος και ειπ(εν) ουκ ειμι λεγει ουν  
εις εκ των  
2575

Z	DEF						
P52	P59	P60	P66	P90	P108	05	011s
087	0109	27	28	96	179s	274	283
335	370	405	416	475s	573	657	711
731s	748	766	771	779	781	798	863
888	892	904	947	1041	1092	1182	1293
1343	1344	1349	1400	1571	1590	1712	1803

1804	2177	2282	2287	2290	2307	2316	2398
2418	2634	2649	2679s	2717	2726	2779	2907

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■ 18,26/10 εις εκ των  
δουλων  
του αρχιερεως

1/2-f1 δουλων

05s 2643

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■ 245 18,26/12 εις εκ των δουλων  
του  
αρχιερεως

3 OM

1540

Z DEF

P52	P59	P66	P90	P108	05	011s	087
0109	0290	27	28	96	179s	274	283
335	370	405	416	475s	573	657	711
731s	748	766	771	779	781	798	863
888	892	904	947	1041	1092	1143	1182
1207	1293	1343	1344	1349	1400	1571	1590
1712	1803	1804	2177	2282	2287	2290	2307
2316	2398	2418	2634	2649	2679s	2717	2726
2779	2907						

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■ 18,26/13 εις εκ των δουλων του  
SINE ADD  
αρχιερεως

1/2-f1 ADD [2-3]

1137

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■ 18,26/14 εις εκ των δουλων του  
αρχιερεως

1/2 αρχιερεως

160*					
1/2-f1	αρχιερεας				
1325					
1/2-f2	αρχιερεερεως				
2497					
1/2-f3	αρχιερω				
551					
1/2-f4	αρχιαρεως				
2591					
1/2-f5	αρχιερεωω				
207					
1/2-f6	αρχιερελως				
160c					
1/2-f7	ρχιερεως				
1219					
=====					
■ 246	18, 26/16-18	του αρχιερεως			
		συγγενης ων			
		ου απεκοψεν Πετρος το ωτιον			
1/2	συγγενης ων				
2247c	2311*				
1/2-ο1	συνγενης ων				
01	05s	032	037	038	
1/2-ο2	συνγενης ων				
1000					
1/2-f1	συγγεννης ων				

682							
1/2-f2	συγκαινης ων						
1571s	2148						
1/2-f3	συγκαινεις ων						
4							
1/2-f4	συγκενης ων						
017	1214	1480	2247*	2608			
1/2-f5	συγκενεις ων						
544	683						
3	ο συγγενης						
019	022	033	044	33	865	1451	2528
4	συγγενης						
213	777	1157					
5	συγγενης ο ων						
2311c							
6	OM						
301	373						
Z	DEF						
P52	P59	P60	P66	P90	P108	05	011s
087	0109	0290	27	28	96	179s	274
283	332	335	370	405	416	475s	546
573	657	711	731s	748	766	771	779
781	798	863	888	892	904	947	1041
1092	1143	1182	1288	1293	1343	1344	1349
1400	1421	1571	1590	1712	1803	1804	2177
2282	2287	2290	2307	2316	2398	2418	2475
2632	2634	2649	2679s	2717	2726	2907	
=====							

■ 18,26/20 συγγενης ων  
ου  
απεκοψεν Πετρος το ωτιον

1/2 ου

537c\* 1583c\*

1/2-f1 ος

892s

1/2-f2 ουν

1054s

1/2-f3 του

537\*

1/2-f4 ΟΜ

1583\*

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■ 18,26/22 συγγενης ων ου  
απεκοψεν  
Πετρος το ωτιον

1/2 απεκοψεν

1071c

1/2-f1 πεκοψεν

1071\*

1/2-f2 απεκοπε

1239

1/2-f3 απεκο

1640

1/2-f4 απεκ[1]οψε

113



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■ 18,26/26-27/6 απεκοψεν Πετρος  
το ωτιον ουκ ... 27 ... Πετρος  
και ευθεως αλεκτωρ εφωνησεν

U OM

1820

■ 248 18,26/30 απεκοψεν Πετρος το ωτιον  
ουκ  
εγω σε ειδον

1/2 ουκ

357c 2684c

3 και

954

4 OM

138 357\* 884 994 2575 2684\*

Z DEF

P52	P59	P66	P90	P108	05	011s	087
0109	0290	27	28	96	179s	274	283
335	370	405	416	475s	573	657	711
731s	748	766	771	779	781	798	863
888	892	904	947	1041	1092	1182	1293
1343	1344	1349	1400	1571	1590	1712	1803
1804	1820	2177	2282	2287	2290	2307	2316
2398	2418	2470	2634	2649	2679s	2717	2726
2907							

■ 249 18,26/32-34 ουκ  
εγω σε  
ειδον εν τω κηπω μετ αυτου

1/2 εγω σε

368\*

1/2-f1 εγω σοι

290

1/2-f2    εγνω σε

1139

1/2-f3    εγω ς

368c

3            σε εγω

1571s

4            εγω δε σε

2223

5            εγω

1677

Z            DEF

P52	P59	P60	P66	P90	P108	05	011s
087	0109	0290	27	28	96	179s	274
280	283	335	370	405	416	475s	573
657	711	730	731s	748	766	771	779
781	798	863	888	892	904	947	1041
1092	1182	1293	1343	1344	1349	1400	1421
1571	1590	1712	1803	1804	1820	2177	2282
2287	2290	2307	2316	2398	2418	2470	2634
2649	2679s	2717	2726	2907			

■            18, 26/36            ουκ εγω σε  
  ειδον  
  εν τω κηπω μετ αυτου

1/2            ειδον

595c\*

1/2-f1        ειδον δον

1139

1/2-f2        ειδορ

595\*

1/2-f3 ιδω

1122

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■ 250 18,26/38-46 ουκ εγω σε ειδον  
εν τω κηπω μετ αυτου

1/2 εν τω κηπω μετ αυτου

760c 1091c\*

1/2-f1 εν εν τω κηπω μετ αυτου

294

3 εν κηπω μετ αυτου

1091\*

4 εν τω κηπω μετ αυτων

32	180	690	871	892s	998	1110	1566
1580	2220	2277	2437	2605			

5 μετ αυτου εν τω κηπω

31	38	64	212	267	969	1053	1148
1808	2546						

6 μετ αυτου

760\*

Z DEF

P52	P59	P60	P66	P90	P108	05	011s
047	087	0109	0290	27	28	96	179
274	283	332	335	370	405	416	475s
546	573	657	711	731s	748	766	771
779	781	798	863	888	892	904	947
1041	1143	1182	1293	1343	1344	1349	1400
1571	1590	1712	1803	1804	1820	2177	2282
2287	2290	2307	2316	2398	2418	2632	2634
2649	2679s	2717	2726	2907			

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■ 251 18,27/2-16

18·27

1/2 18·27

760c

3 [13-18]

760\*

Z DEF

P52	P59	P90	P108	05	011s	087	0109
27	28	96	179	274	283	335	370
405	416	475s	573	649	657	711	731s
748	766	771	779	781	798	863	892
904	947	1041	1182	1293	1343	1344	1349
1400	1571	1590	1712	1803	1804	2177	2282
2287	2290	2307	2316	2398	2418	2634	2649
2679s	2717	2726	2907				

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■ 252 18,27/2-8

παλιν ουν ηρνησατο Πετρος  
και ευθεως αλεκτωρ εφωνησεν

1 παλιν ουν ηρνησατο ο πετρος

04c1	041*	2c	19*	73c	134c	154c	270c
287c	365c1	368c	399c	403c	428c	446c	489c
530c	648*	688*	707c	760c	785c	1333c	1346c
1347c	1391c	1463c	1484c	1582c	1699c1	1790c	2372c
2420c1	2710c						

1-f1 παλιν ουν ηρνησατο ο πετρος

287\*

1-f2 παλιν ουν ηρνησατο ο πετρ

785\*

1-f3 παλιν ουν ηρσησατο ο πετρος

368\*

1-f4 παπαλιν ουν ηρνησατο ο πετρος

215

1-f5 παλιν ουν ηρνησατο ο ο πετρος

123

1-f6 παλιν ουν [1-2]ρνησατο ο πετρος

707\*

2 παλιν ουν ηρνησατο πετρος

02	03	04*	05s	011	017	019	032
037	041c	044	045	0211	1	2*	3
7	10	11	19c	21	22	24	29
32	34	36	39	40	43	45	64
68	72	73*	87	108	109	112	113
114	116	117	121	122	126	130	134*
135	137	138	139	148	149	151	154*
156	165	166	179s	180	186	190	194
195	198	200	210	212	217	227	228
232	234	247	260	262	263	264	266
267	269	270*	271	279	281	286	292
294	298	303	315	317	342	343	351
353	357	364	365*	396	399*	403*	406
410	411	413	414	428*	445	446*	447
449	472	473	475	477	478	482	486
489*	497	500	507	509	513	527	528
530*	533	534	537	545	562	568	577
578	579s	581	583	584	585	591	592
648c	655	662	668	669	677	688c	690
699	700	713	714	715	718	723	726
728	733	741	742	743	744	746	765
768	770	772	774	777	784	786	808
809	818	819	831	833	852	854	857
858	871	887	889	895	901	933	935
941	944	945	948	982	987s	993	994
997	1007	1010	1011	1019	1037	1060	1073
1079	1080	1082	1083	1087	1089	1096	1110
1118	1123	1128	1135	1137	1138	1142	1144
1157	1166	1187	1191	1192	1193	1194	1197
1203	1204	1205	1207	1210	1212	1213	1218
1219	1225	1228	1229	1256	1266	1272	1273
1285	1290	1294	1295	1296	1297	1306	1309
1312	1313	1316	1333*	1336	1341	1343s	1346*
1347*	1355	1357	1364	1391*	1398	1409	1421
1424	1431	1440	1444	1446	1463*	1465	1466
1471	1481	1494	1504	1506	1520	1521	1530

1534	1535	1540	1542	1554	1566	1573	1579
1582*	1592	1594	1603	1613	1627	1632	1654
1665	1671	1672	1677	1678	1684	1685	1690
1691	1693	1699*	1709	1779	1780	1787	1790*
1797	1816	1819	1966	2097	2112	2127	2129
2132	2135	2139	2147	2159	2172	2176	2192
2200	2206	2213	2245	2263	2304	2328	2354
2362	2369	2370	2372*	2386	2400	2404	2411
2415	2420*	2437	2442	2463	2465	2472	2474
2490	2509	2514	2515	2517	2521	2522	2549
2550	2555	2575	2591	2603	2612	2620	2624
2658	2673	2676	2679	2680	2684	2686	2691
2694	2709	2710*	2721	2722	2732	2735	2750
2760	2766	2775s	2808	2812	2813	2860	2902

2-f2 παλιν ουν ηρνησατο πετος

698

2-f3 παλιν ου ηρνησατο πετρος

039

3 παλιν ηρνησατο πετρος

034	5	145	171	211	393	752	1048
1233	1415	1425	1468	1515	1581	1605	2179
2244	2324	2430	2529	2584			

4 παλιν ηρνησατο ο πετρος

23	244	350	388	389	435s	518	844
930	992	996	1021	1085	1196	1268	1388
1443	1458	1484*	1491	1505	1567	1626	1646
1648	2191	2311	2487	2495	2705	2718	2730

5 παλιν ουν ο πετρος ηρνησατο

13	69	124	346	543	544	574	788
801	826	828	1689	2516	2786		

6 παλιν ουν ηρνησατο

565

7 παλιν ηρνησατο νυν ο πετρος

2236

8 OM

230

Z DEF

P52	P59	P60	P66	P90	P108	05	011s
087	0109	0290	27	28	96	179	274
283	332	335	370	405	416	475s	514
546	573	649	657	711	731s	748	760*
766	771	779	781	798	863	888	892
904	940	947	1041	1143	1182	1293	1343
1344	1349	1400	1558	1571	1590	1712	1803
1804	1820	2177	2282	2287	2290	2307	2316
2398	2418	2470	2632	2634	2649	2679s	2717
2726	2907						

■ 253 18, 27/10-16 παλιν ουν ηρνησατο Πετρος  
και ευθεως αλεκτωρ εφωνησεν

1/2 και ευθεως αλεκτωρ εφωνησεν

760c

3 και προσελθων αυτω ετερος ειπεν και συ ησθα μετ αυτου και παλιν  
ηρνησατο μεθ ορκου λεγων εκ τριτου ουκ οιδα τον ανθρωπον

1691\*

4 και προσελθων αυτω ετερος ειπεν και συ ησθα μετ αυτου και παλιν  
ηρνησατο μεθ ορκου λεγων εκ τριτου ουκ οιδα τον ανθρωπον και ευθεως  
αλεκτωρ εφωνησεν

1691c

Z DEF

P52	P59	P90	P108	05	011s	087	0109
27	28	96	179	274	283	335	370
405	416	475s	573	649	657	711	731s
748	760*	766	771	779	781	798	863
892	904	940	947	1041	1182	1293	1343
1344	1349	1400	1571	1590	1712	1803	1804
2177	2282	2287	2290	2307	2316	2398	2418
2632	2634	2649	2679s	2717	2726	2907	



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■ 254 18, 27/10 παλιν ουν ηρνησατο Πετρος  
και  
ευθεως αλεκτωρ εφωνησεν

1/2 και

760c

1/2-f1 και και

054

1/2-f2 αι

892s

3 OM

732

Z DEF

P52	P59	P66	P90	P108	05	011s	047
087	0109	27	28	96	179	274	283
335	370	376	405	416	475s	546	573
649	657	711	731s	748	760*	766	771
779	781	798	863	892	904	940	947
1041	1143	1182	1293	1343	1344	1349	1400
1571	1590	1712	1803	1804	2177	2282	2287
2290	2307	2316	2398	2418	2632	2634	2649
2679s	2717	2726	2907				

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■ 255 18, 27/12-16 και  
ευθεως αλεκτωρ εφωνησεν

1/2 ευθεως αλεκτωρ εφωνησεν

61c 760c 785c

1/2-f1 ευ ευθεως αλεκτωρ εφωνησεν

2687

1/2-f2 ευθ ευθεως ευθεως αλεκτωρ εφωνησεν

61*										
1/2-f3	ευθε αλεκτωρ εφωνησεν									
1440										
1/2-f4	ευθεω αλεκτωρ εφωνησεν									
1335										
1/2-f5	ευθεως αλετωρ εφωνησεν									
1629										
1/2-f6	ευθεως αλεκτ εφωνησεν									
785*										
1/2-f7	ευθεως αλεκωρ εφωνησεν									
1709										
1/2-f8	ευθεως αλεκτωρ εφω									
168										
1/2-f9	ευθεως αλεκτωρ φωνησε									
1808										
3	ευθυς αλεκτωρ εφωνησεν									
P66	032	579s	2786	2884						
4	εφωνησεν αλεκτωρ									
1574										
Z	DEF									
P52	P59	P60	P90	P108	05	011s	047			
087	0109	0290	27	28	96	179	274			
283	335	370	405	416	475s	514	546			
573	649	657	711	731s	748	760*	766			
771	779	781	798	863	892	904	940			
947	1041	1143	1182	1293	1343	1344	1349			
1400	1506	1571	1590	1712	1803	1804	2177			

2185	2282	2287	2290	2307	2316	2398	2418
2632	2634	2649	2679s	2717	2726	2907	

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■ 256 18,27/17 και ευθεως αλεκτωρ εφωνησεν  
SINE ADD

1/2 SINE ADD

760c

3 ADD και εξελθων εξω εκλαυσε πικρως

560

Z DEF

P52	P59	P60	P66	P90	P108	05	011s
087	0109	27	28	96	179	274	283
335	370	405	416	475s	573	649	657
711	731s	748	760*	766	771	779	781
798	863	892	904	940	947	1041	1182
1293	1343	1344	1349	1400	1571	1590	1712
1803	1804	2177	2282	2287	2290	2307	2316
2398	2418	2632	2634	2649	2679s	2717	2726
2907							

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■ 18,28/2-8  
αγουσιν ουν τον Ιησουν  
απο του Καιαφα

1/2 αγουσιν τον ιησουν

1502\*

1/2-f1 αγουσιν ουν τον ινς τω καιρω εκιενω αγουσι τον ινς

979

1/2 τω καιρω εκεινω αγουσι τον ινς

1502c

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■ 257 18,28/2-4  
αγουσιν ουν  
τον Ιησουν απο του Καιαφα

1/2      αγουσιν ουν

19c	20c	108c	262c	422c	718c*	807c	808c
875*	935c	1119c	1303c	1458c	1484*	1676c	1820c
2191c	2229*	2247c	2510c*	2703c	2812c		

1/2-f1      αγουιν ουν

939

1/2-f2      γουσιν ουν

1011

1/2-f3      αγουσιν [2] ουν

1303\*

1/2-f4      αγουσι [1-2]ν ουν

807\*

1/2-f5      λεγουσιν ουν

1044

3      αγουσιν

019	021	030	0211	7	9	10	19*
20*	31	38	45	48	51	60	69
71	72	74	75	78	79	86	89
90	98	106	108*	109	116	117	121
124	127	137	139	151	153	154	156
163	167	168	175	180	183	187	192
193	195	210	211	213	218	234	244
245	247	248	262*	263	264	265	266
273s	274s	278	279	282	292	297	299
301	303	306	315	317	331	333	342
344s	352	355	367	368	370	373	375
379	389	390	392	393	396	408	409
412	413	422*	423	428	435s	438	439
444	445	446	448	449	472	477	481
482	483	484	493	494	500	502	503
508	515	518	519	523	524	527	528
529	537	544	545	551	552	554	557
569	574	580	650	661	663	666s	668
672	677	679	683	684	695	705	715
718*	720	723	727	729	731	732	733

734	736	741	742	743	744	747	749
750	752	755	759	760	772	775	780
782	783	785	788	790	792	793	794
808*	809	811	817	818	819	820	833
834	835	841	852	854	855	856	857
858	862	874	875 <sub>c</sub>	877	878	881	883
886	887	889	891	895	901	931	934
935*	946	948	949	952	954	969	974
976	982	987 <sub>s</sub>	992	993	996	1000	1001
1004	1006	1019	1021	1029	1036	1037	1043
1048	1049	1053	1058	1081	1083	1087	1089
1091	1096	1110	1113	1118	1119*	1122	1123
1125	1127	1128	1131	1135	1136	1137	1141
1148	1152	1160	1166	1170	1171	1172 <sub>s</sub>	1188
1190	1194	1195	1198	1201	1203	1204	1209
1211	1213	1214	1215	1217	1218	1223	1228
1238	1240	1252	1256	1261	1262	1263	1265
1267	1268	1269	1273	1289	1290	1291	1294
1301	1302	1309	1312	1314	1316	1317	1318
1321	1326	1327	1335	1336	1342	1343 <sub>s</sub>	1347
1364	1387	1391	1393	1394	1396	1398	1403
1406	1410	1413	1418	1424	1428	1431	1436
1438	1443	1448	1454	1458*	1459	1472	1478 <sub>s</sub>
1479	1484 <sub>c</sub>	1485	1495	1498	1502	1505	1506
1510	1511	1513	1515	1519	1531	1532	1533
1534	1536	1538	1539	1541	1542	1555	1571 <sub>s</sub>
1573	1574	1580	1589	1593	1594	1613	1623
1624	1626	1630	1635	1639	1643	1644	1647
1648	1653	1654	1663	1666	1676*	1677	1685
1689	1692	1701	1707	1709	1787	1788	1797
1808	1820*	1823	1966	2099	2100	2106	2121
2132	2142	2145	2172	2174	2181	2188	2191*
2192	2206	2214	2215	2220	2223	2229 <sub>c</sub>	2236
2245	2247*	2252	2263	2266	2277	2291	2301
2304	2311	2374	2397	2400	2405	2426	2446
2451	2452	2462	2470	2476	2478	2487	2490
2495	2499	2502	2509	2510*	2511	2514	2524
2526	2530	2533	2546	2550	2555	2567	2573
2584	2586	2590	2591	2603	2605	2606	2608
2611	2615	2623	2641	2643	2650	2658	2660
2661	2676	2680	2685	2687	2693 <sub>s</sub>	2694	2703*
2705	2707	2711	2718	2727	2728	2732	2735
2749	2757	2766	2774	2775 <sub>s</sub>	2794	2809	2810
2812*	2813	2856	2860	2868	2905		

3-f1 γουσι

4	αγουσιν δε						
1671	1678	2112					
W1/2	αγουσιν ουν αγουσι λεχτιοναρψ ινφλυενχε						
979	1024	1139	1615	1901	2238	2467	
Z	DEF						
P52	P59	P60	P66	P90	P108	05	011s
087	0109	27	28	96	179	274	283
335	405	416	475s	514	573	649	657
711	731s	748	766	771	779	781	798
863	888	892	892s	904	940	947	1041
1143	1145	1182	1288	1293	1343	1344	1349
1397	1400	1421	1571	1590	1712	1803	1804
2177	2185	2282	2287	2290	2307	2316	2398
2418	2632	2634	2649	2679s	2717	2722	2726
2907							

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■ 258 18, 28/6-8 αγουσιν ουν  
τον Ιησουν  
απο του Καιαφα

1/2 τον ιησουν

741c\*

1/2-f1 ττον ιησουν

1125

1/2-f2 τον ηισουν

2497

3 ιησουν

278

4 αυτον

27s 1319

W τον

741\*

Z	DEF						
P52	P59	P90	P108	05	011s	087	0109
27	28	96	179	274	283	335	405
416	475s	514	573	649	657	711	731s
748	766	771	779	781	798	863	888
892	892s	904	940	947	1041	1145	1182
1288	1293	1343	1344	1349	1400	1571	1590
1712	1803	1804	2177	2185	2282	2287	2290
2307	2316	2398	2418	2632	2634	2649	2679s
2717	2722	2726	2907				

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■ 18, 28/10 αγουσιν ουν τον Ιησουν  
απο  
του Καιαφα

1/2 απο

011c1

1/2-f1 α

011\*

1/2-f2 απου

233

=====

■ 259 18, 28/12 απο  
του  
Καιαφα

1/2 του

826\* 1338c 2185c

1/2-f1 τυου

826c

3 ΟΜ

233 1338\* 1627 2185\*

Ζ	DEF						
P52	P59	P66	P90	P108	05	011s	047
087	0109	27	28	96	179	274	283
335	405	416	475s	546	573	649	657
711	731s	748	766	771	779	781	798
863	888	892	892s	904	940	947	1041
1182	1293	1343	1344	1349	1400	1571	1590
1712	1803	1804	2177	2282	2287	2290	2307
2316	2398	2418	2632	2634	2649	2679s	2717
2722	2726	2907					

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■ 18, 28/14      απο του  
Καιαφα  
εις το πραιτωριον

1/2      καιαφα

189c

1/2-f1      καιφα

05s      1447      2346

1/2-f2      καιαφαι

449

1/2-f3      αιαφα

189\*      538

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■ 18, 28/16      απο του Καιαφα  
εις  
το πραιτωριον

1/2      εις

162c\*

1/2-f1      ει

819

1/2-f2      ος



162\*

=====

■ 260 18,28/18 απο του Καιαφα εις  
το  
πραιτωριον

1/2-f1 τ(ον)

874c

3 OM

874\* 1677

Z DEF

P52	P59	P66	P90	P108	05	011s	047
087	0109	27	28	96	179	274	283
335	405	416	475s	573	649	657	711
731s	748	766	771	779	781	798	863
892	892s	904	940	947	1041	1143	1145
1182	1207	1288	1293	1343	1344	1349	1400
1558	1564	1571	1590	1712	1803	1804	2177
2287	2290	2307	2316	2398	2418	2632	2634
2649	2679s	2717	2722	2726	2907		

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■ 18,28/20-46 απο του Καιαφα εις το  
πραιτωριον ... πραιτωριον ινα μη μιανθωσιν  
αλλα φαγωσιν το πασχα

3 πραιτωριον ινα μη μιανθωσιν

1542c

U πραι

1542\*

Z DEF

P52	P59	P66	P90	P108	05	011s	087
0109	27	28	96	179	274	283	335
405	416	475s	573	649	657	711	731s
748	766	771	779	781	798	863	892
892s	904	940	947	1041	1182	1293	1343
1344	1349	1400	1571	1590	1712	1803	1804

2177	2287	2290	2307	2316	2398	2418	2632
2634	2649	2679s	2717	2722	2726	2907	
=====							

■ 261 18,28/20 εις το  
πραιτωριον  
ην δε πρωι

1/2 πραιτωριον

286\* 1122c 2490c

1/2-f1 πραιτωριον

1122\*

1/2-f2 πρωριον

2490\*

1/2-f3 πρωριον

2521

1/2-f4 πρωρι

286c

1/2-f5 πρωι

791

3 πραιτωριον ινα μη μιανθωσιν αλλ ινα φαγωσι το πασχα

976

4 πραιτωριον ινα μη μιανθωσιν

397

Z DEF

P52	P59	P66	P90	P108	05	011s	087
0109	27	28	96	179	274	283	335
405	416	475s	573	649	657	711	731s
748	766	771	779	781	798	863	892
892s	904	940	947	1041	1182	1293	1343
1344	1349	1400	1542*	1542c	1571	1590	1712
1803	1804	2177	2282	2287	2290	2307	2316

2398	2418	2632	2634	2649	2679s	2717	2722
2726	2907						

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■ 262 18, 28/22-40 εις το πραιτωριον  
ην δε πρωι και αυτοι ουκ εισηλθον εις το πραιτωριον  
ινα μη μιανθωσιν

1/2 ην δε πρωι και αυτοι ουκ εισηλθον εις το πραιτωριον

041c	15c1	74c	78*	80*	151c	483c	484c
504c	900c	935c	973c	1042c	1120c	1243c	1333c
1346c	1373c	1675c	2120*	2247c	2266c	2404c	2561c
2782c							

1/2-f1 ην δε ην δε πρωι και αυτοι ουκ εισηλθον εις τον πραιτωριον

1071

1/2-f2 εν δε πρωι και αυτοι ουκ εισηλθον εις το πρετωριον

90c2

1/2-f3 ην δε πρι και αυτοι ουκ εισηλθον εις το πραιτωριον

1149

1/2-f4 ην δε πρ(ω)ι και αυτοι ουκ εισηλθον εις το πραιτωριον

1521

1/2-f5 ην δε πρωι και αυτοι ουκ εισηλθον εις το πραιτοριαν

726

1/2-f6 ην δε πρωι και αυτοι ουκ εισηλθον εις το προτοριον

2521

1/2-f7 ην δε πρωι και εις το πραιτωριον

278

3 ην δε πρωια και αυτοι ουκ εισηλθον εις το πραιτωριον

07	011	013	017	022	028	031s	036
038	041*	045	054	2	3	4	6
13	14	15*	23	34	36	38	39
40	44	46	49	52	54	56	57

58	63	65	72	76	77	78c	
80c1							
86	87	89c	106	107	109	113	114
119	122	123	124	126c	131	134	135
140	142	144s	148	151*	152	158	159
160	164	165	169	178	182	183	186
193	194	196	199	202	207	211	219
228	229	230	239	240	244	247	261
262	264	265	266	268	271	272	277
280	281	289	293	294	296	297	298
305	306	315	317	332	347	348	350
351	353	355	358	360	370	374	379
380	389	391	392	393	408	409	411
422c	428	435s	438	440	443	444	445
448	449	461	470	472	473	475	477
478	481	482	489	490	491	492	494
497	504*	505	518	519	522	524	525
527	528	530	544	548	550	551	555
556	560	561	562	563	565	568	569
574	581	585	587	592	600	652	654
655	656	661	677	682	684	695	698
699	707	708	710	714	719	723	724
727	728	729	730	732	733	734	741
742	743	744	749	752	755	759	761
765	770	772	776	777	778	785	786
787	790	792	793	794	795	796	800
808	809	811	817	818	819	829	833
834	835	836	839	854	855	856	857
858	861	862	873	874	878	881	884
889	899	900*	926	927	930	933	937
939	942	945	946	954	956	963	968
969	971	973*	980	987s	988	989	993
997	999	1003	1004	1008	1009	1010	1012
1015	1017	1019	1020	1021	1031	1032	1037
1039	1042*	1043	1049	1050	1053	1054s	1058
1063	1073	1074	1076	1077	1078	1079	1083
1086	1089	1090	1120*	1121	1122	1123	1127
1128	1139	1142	1144	1148	1155	1160	1163
1170	1172s	1178	1187	1190	1193	1195	1197
1200s	1203	1211	1212	1214	1215	1217	1218
1219	1220	1223	1237	1240	1242	1243*	1252
1261	1262	1263	1265	1266	1267	1269	1272
1280	1289	1294	1295	1300	1302	1303	1306
1313	1315	1326	1333*	1335	1336	1341	1342
1345	1346*	1347	1350	1354	1355	1364	1365
1373*	1387	1387s	1395	1396	1398	1404	1408
1409	1410	1415	1416	1424	1425	1432	1434
1436	1438	1439	1443	1446	1450	1451	1455
1458	1470	1475	1478s	1484	1486	1498	1512

1519	1528	1531	1533	1534	1538	1540	1545
1546	1555	1565	1567	1574	1575	1577	1579
1583	1588	1589	1592	1595	1606	1613	1622s
1624	1625	1627	1629	1630	1640	1643	1644
1646	1651	1660	1664	1665	1666	1668	1670
1672	1675*	1678	1684	1690	1691	1693	1697
1704	1707	1780	1781	1783	1790	1791	1792
1800	1802	1808	1901	2098	2101	2107	2118
2120c	2133	2135	2139	2145	2147	2173	2174
2176	2178	2193	2195	2206c	2214	2215	2217
2223	2224	2236	2247*	2282s	2283	2291	2292
2297	2301	2304	2314	2317	2321	2324	2369
2370	2375	2381	2386	2387	2396	2400	2404*
2411	2414	2415	2422	2426	2442	2451	2465
2470	2474	2482	2494	2499	2500	2509	2514
2516	2525	2528	2545	2546	2550	2555	2561*
2563	2571	2586	2590	2591	2592	2603	2605
2613	2615	2616	2620	2635	2637	2643	2661
2679	2680	2685	2686	2694	2708	2709	2711
2724	2725	2735	2737	2754	2758s	2775s	2779
2782*	2809	2810	2860	2897	2900	2902	2908

3-f1 ην δε πρωια και υτοι ουκ εισηλθον εις το πραιτωριον

16

3-f2 ην δε πρωια και αυτοι ουκ εισηλθον εις τοριον

422\*

4 ην γαρ πρωι και αυτοι ουκ εισηλθον εις το πραιτωριον

1152

5 ην πρωι και αυτοι ουκ εισηλθον εις το πραιτωριον

269

6 ην δε πρωια και αυτοι ουκ εισηλθον

71 126\* 1327 1413c 1663 2676

7 ην δε πρωια ις ειπ αυτοι ουκ εισηλθον

1413\*

8 ην δε πρωια αυτοι δε ουκ εισηλθον εις το πραιτωριον

2786							
9	ην δε πρωια και αυτοι εισηλθον εις το πραιτωριον						
784							
10	ην δε πρωια και αυτοι ουκ εισηλθον το πραιτωριον						
2206*							
11	ην δε πρωιας και αυτοι ουκ εισηλθον εις το πραιτωριον						
345	731	2766					
12	και αυτοι ουκ εισηλθον εις το πραιτωριον						
51	188	995	1236	1309	1321	1403	
13	και ουχ εισελτον εις το μ πρετωριον						
287c							
14	και αυτοι ουκ εισηλθον						
1166							
15	ην δε πρωι και αυτοι ουκ εισηλθον εις πραιτωριον						
1677							
16	ην δε πρωι και αυτοι ουκ εισηλθον						
10	248	486	520	1014	1095	1194	
1209c*							
1441	1449	1510	1626	2121	2673	2705	
17	ην δε πρωι και αυτου ουκ εισηλθον						
1209*							
18	ην δε πρωι						
2767							
19	OM						
17	30	70	74*	89*	90*	120	287*
344s	377	390	483*	484*	666s	745	880

935*	1171	1198	1268	1299	1397	1465	1788
2213	2265	2266*	2290s	2406	2446	2479	2490
2511	2645	2749	2884				
W1/2/3	ην δε πρω(ι[α]) και αυτοι ουκ εισηλθον εις το πραιτωριον						
506	679	2478					
W	[ην δε πρω]ωι και αυτοι ουκ [εισηλθο]ν εις το πραιτω[ριον]						
P60							
W	[ην δε πρωια και αυτοι ουκ ει]σηλθον εις τ[ο πραιτωριον]						
231*							
W	ην δε πρω[ια και] αυτοι ουκ εισηλθον εις το πραιτωριον						
231c							
W-f1	[ην δε πρωια] και αυτοι ουκ εισηλθεν εις το πραιτωριον						
2185							
Z	DEF						
P52	P59	P66	P90	P108	05	011s	047
087	0109	21	27	28	31	33	95
96	179	184	274	283	335	405	416
475s	546	573	649	657	711	731s	748
766	771	779	781	798	863	888	892
892s	904	940	947	1041	1119	1143	1182
1207	1288	1293	1343	1344	1349	1400	1542*
1542c	1564	1571	1590	1712	1803	1804	2177
2282	2287	2290	2307	2316	2398	2399	2418
2517	2526	2632	2634	2649	2679s	2717	2722
2726	2907						
=====							
■ 263	18, 28/28-54	ην δε πρωι και αυτοι ουκ ... το πασχα					
1/2	και αυτοι ουκ εισηλθον εις το πραιτωριον ινα μη μιανθωσιν αλλ ινα φαγωσι το πασχα						
2767c*							
3	OM						

2767\*

Z	DEF						
P52	P59	P90	P108	05	011s	087	0109
27	96	179	274	283	335	405	416
475s	546	573	649	657	711	731s	748
766	771	779	781	798	863	888	892
892s	904	940	947	1041	1182	1293	1343
1344	1349	1400	1571	1590	1712	1803	1804
2177	2287	2290	2307	2316	2398	2418	2517
2634	2649	2679s	2717	2722	2726		

■ 18, 28/41 ουκ εισηλθον εις το πραιτωριον  
SINE ADD  
ινα μη μιανθωσιν

1/2 SINE ADD

273sc 2141c\*

1/2-f1 ADD ην δε πρωι και αυτοι ουκ εισηλθον

273s\*

1/2-f2 ADD ην δε πρωι και αυτοι ουκ εισηλθον εις το πραιτωριον

2141\*

■ 18, 28/42-46 εις το πραιτωριον  
ινα μη μιανθωσιν  
αλλα φαγωσιν το πασχα

1/2 ινα μη μιανθωσιν

90*	167c	231c	355c	772c*	1335c	1353c	1457c
1542c	1629c	2297c	2767c*				

1/2-f1 ινα μη μιανθωσιν ινα μη μιανθωσιν

90c2

1/2-f2 ινα μη μιανθωσιν μιανθωσιν

90c1



1/2-f3 ινα μη μ[1]ανθωσιν

2297\*

1/2-f4 ινα μη ψιανθωσιν

1081

1/2-f5 μιανθωσιν

167\*

1/2-f6 ινα μιανθωσιν

505 759 772\* 992 1335\* 1353\* 1629\* 1800

1/2-f7 ινα μηνανθωσιν

355\*

1/2-f8 ινα μηνανανθωσιν

1647

1/2-f9 ινα

1457\*

=====

■ 264 18, 28/48-54 ινα μη μιανθωσιν  
αλλα φαγωσιν το πασχα

1 αλλ ινα φαγωσιν το πασχα

04\* 19\* 231c 277c 411\* 530c 595c\* 685c  
785c 1076c 1172sc 1425c 1582c 1783c 2767c\*

1-f1 λλ ινα φαγωσι το πασχα

1783\*

1-f2 αλλ ιν φαγωσιν το πασχα

1196

1-f3 αλλα ναι φαγωσι το πασχα

710							
1-f4	αλλ ινα φαγωσ το πασχα						
411c							
1-f5	αλλ ινα φαγουσι το πασχα						
1125							
1-f6	αλλ ινα φαγωσιν το παχα						
595*							
1-f7	αλλ ινα φαγωσιν το πασ						
785*							
1-f8	αλλ ινα φαγωσιν το πασχ						
577	828						
2	αλλα φαγωσιν το πασχα						
01	02	03	04c1	022	032	037	038
047	0290	1	19c	30	123	134	135
149	194	233	264	277*	345	374	403
422	478	530*	546	565	579s	584	685*
830	864	1076*	1080	1122	1425*	1483	1582*
1668	1673	2176	2223	2224	2369	2571	2783
2-f1	αλλ φατωσιν το πασχα						
05s							
3	ινα φαγωσι το πασχα						
588	973	1789					
4	OM						
1172s*							
Z	DEF						
P52	P59	P60	P66	P90	P108	05	011s
087	0109	27	96	120	179	231*	274

278	283	335	405	416	475s	573	649
657	711	731s	748	766	771	779	781
798	863	888	892	892s	904	940	947
1041	1143	1182	1293	1343	1344	1349	1400
1571	1590	1712	1803	1804	2177	2287	2290
2307	2316	2398	2418	2467	2517	2634	2649
2679s	2717	2722	2726	2767*			

=====

■ 18, 28/55      αλλά φαγώσιν το πασχα  
SINE ADD

1/2      SINE ADD

492\*

1/2-f1      ADD αλλ ινα φαγωσι το πασχα

492c

1/2-f2      ADD αγουσι τον ινς απο του καιαφα εις το πραιτωριον ην δε πρωι και αυτοι  
ουκ εισηλθον εις το πραιτωριον ινα μη μιανθωσιν αλλ ινα φαγωσι το πασχα

276

1/2-f3      ADD ινα μη μιανθωσιν αλλ ινα φαγωσι το πασχα

87

1/2-f4      ADD τω καιρω εκεινω αγουσιν ουν τον ινς απο του καιαφα εις το πραιτωριον  
ην δε πρωιας και αυτοι ουκ εισηλθον εις το πραιτωριον ινα μη μιανθωσιν αλλ ινα  
φαγωσι το πασχ

163

1/2-f5      ADD τω καιρω εκεινω αγουσιν τομν ινς απο του καιαφα εις το πραιτωριον ην  
δε πρωι και αυτοι ουκ εισηλθον εις το πραιτωριον ινα μη μιανθωσιν αλλ ινα φαγωσι το  
πασχα

2584

1/2-f6      ADD 18·10,12,17,19,22,25,28

374

=====

■ 265      18, 29/2-24

18·29

3 OM

1677

Z DEF

P52	P59	P90	P108	05	011s	0109	27
96	179	283	335	405	416	475s	573
649	657	711	731s	748	766	771	779
781	798	863	892	892s	904	940	947
1041	1182	1293	1343	1344	1349	1400	1571
1590	1712	1803	1804	2177	2287	2290	2307
2316	2398	2418	2467	2517	2634	2649	2679s
2717	2722	2726					

■ 18,29/2

εξηλθεν  
ουν ο Πιλατος

1/2-f1 ξηλθεν

1 156 1588

■ 266 18,29/4-8

εξηλθεν  
ουν ο Πιλατος  
εξω προς αυτους και φησιν

1/2 ουν ο πιλατος

65c 422c 660c 830\* 1227c 1538c

1/2-f1 υν ο πιλατος

1128

1/2-f2 ο πιλατος ουν

788

1/2-f3 ουν ουν ο πιλατος

1538\*

1/2B ουν παλιν ο πιλατος

695

3 ο πιλατος

65*	348	422*	660*	697	778	830c	971
1005	1227*	1239	1345	1365	1512	1660	1790
2372	2396						

Z DEF

P52	P59	P66	P90	P108	05	011s	087
0109	27	33	96	179	278	283	335
405	416	475s	546	573	649	657	711
731s	748	766	771	779	781	798	863
892	892s	904	940	947	1041	1143	1182
1293	1343	1344	1349	1400	1571	1590	1677
1712	1803	1804	2177	2287	2290	2307	2316
2398	2418	2467	2517	2634	2649	2679s	2717
2722	2726						

■ 267 18, 29/6-18 εξηλθεν ουν  
ο Πιλατος εξω προς αυτους και φησιν  
τινα κατηγοριαν φερετε

1 ο πιλατος προς αυτους και ειπεν

19*	126*	365c	380*	523c	660c	682*	809*
881c	1673c						

1-f1 ο ο πιλατος προς αυτους και ειπεν

355

1-f2 ο πιλατος προς αυτους αυτους και ειπεν

881\*

1-f3 ο πιλατος προ αυτους και ειπεν

2686

1-f4 ο πιλατος προς αυτου και ειπεν

2810

1-f5 ο πιλατος προς αυτος και ειπεν

523\* 1122

1-f6 ο πιλατος προς αυτους αι ειπεν

1236

2 ο πιλατος εξω προς αυτους και φησιν

03	04*	019	033	1	33	138	151
209	213	357	565	799	865	884	994
1071	1451	1582	1784s	1819	1820	2129	2528
2575	2684	2718					

2-f1 ο πιλατος εξ προς αυτους και φησιν

2713

3 ο πιλατος εξω προς εαυτους και φησιν

205 2886

4 ο πιλατος εξω προς αυτους και ειπεν

041	0141	0211	15	19c	22	27s	53
68	76	113	114	133	134	149	159
188	217	220	265	268	270	292	295
317	330	365*	380c	389	395	403	408
412	419	443	470	475	478	482	489
490	494	498	515	522	544	545	557
560	574	578	581	585	654	660*	679
682c	697	700	726	782	787	791	809c
821	830	839	873	902	903	905	931
968	974	980	990	992	1001	1005	1006
1007	1013	1026	1079	1085	1094	1113	1123
1191	1192	1219	1223	1272	1278	1289	1306
1313	1319	1355	1365	1370	1377	1394	1398
1434	1439	1463	1483	1486	1546	1556	1561
1562	1595	1627	1641	1699	1797	1816	2118
2127	2193	2238	2252	2278	2280	2321	2372
2374	2375	2397	2404	2411	2439	2463	2471
2474	2492	2516	2535	2562	2615	2653	2656
2685	2702	2703	2750	2756	2760	2894	2902

5 ο πιλατος {ουν} εξω προς αυτους και ειπεν

788

6 ο πιλατος εχω προς αυτους και ειπεν

158								
7	ο πιλατος εξω προς αυτον και ειπεν							
582								
8	προς αυτους ο πιλατος εξω και φησιν αυτοις							
2561								
9	προς αυτους ο πιλατος εξω και φησιν							
01	032	1654						
10	[ο πι]λατ[ος προς αυτους] εξω κ[αι] φησιν							
P66								
10-f1	ο πιλατος προς αυτους εξω και φησιν							
579s								
11	ο πιλατος προς αυτους εξω και ειπεν							
022	13	48	69	78	116	124	126c	
132	175	279	296	299	346	377	525	
548	713	724	780	807	826	828	1049	
1093	1220	1303	1342	1431	1513	1666	1689	
1697	1701	1802	2191	2290s	2400	2405	2524*	
2661	2708	2786						
11-f1	ο [2]λατος προς αυτους εξω και ειπεν							
2524c1								
12	ο πιλατος προς αυτους εξω ειπεν							
543								
13	ο πιλατος εξω και ειπεν							
333	423							
14	εξω ο πιλατος προς αυτους και φησιν							
1321								
15	εξω ο πιλατος προς αυτους και ειπεν							

1128	1375	1403	2478				
16	εξω προς αυτους ο πιλατος και ειπεν						
2220							
17	ο πιλατος προς αυτους και φησιν						
04c	044	397	2148				
18	ο πιλατος προς αυτους και εφη						
1428							
19	ο πιλατος προς αυτους και ειπεν προς αυτους						
784							
20	ο πιλατος προς αυτους ειπεν						
2735							
21	πιλατος προς αυτους και ειπεν						
2192	2765						
22	ο πιλατος προς αυτον και ειπεν						
168	343	716	732	733	878	1204	2106
23	ο πιλατος και ειπεν προς αυτους						
5	690	1673*	1691	2606			
24	ο πιλατος και ειπεν						
038	166	2223					
25	πιλατος και ειπεν						
1269							
26	προς αυτους ο πιλατος και ειπεν						
303	761	995	1172s	1593			
27	προς αυτους ο πιλατος και ειπεν αυτοις						



1242

W-f1 ο πιλατος [?] προς αυτοις [και ειπε]

1143

Z DEF

P52	P59	P60	P90	P108	05	011s	047
087	0109	27	96	179	274	278	283
335	376	405	416	475s	546	573	649
657	711	731s	748	766	771	779	781
798	863	892	892s	904	940	947	1041
1145	1182	1207	1288	1293	1343	1344	1349
1400	1558	1571	1590	1677	1712	1803	1804
2177	2282	2287	2290	2307	2316	2398	2418
2467	2517	2634	2649	2679s	2717	2722	2726

=====

■ 268 18,29/20 και φησιν  
τινα  
κατηγοριαν φερετε

1/2-f1 τια

1128

3 τινα ουν

1606

Z DEF

P52	P59	P60	P90	P108	05	011s	047
087	0109	27	96	179	274	283	335
405	416	475s	546	573	649	657	711
731s	748	766	771	779	781	798	863
888	892	892s	904	940	947	1041	1143
1182	1207	1288	1293	1343	1344	1349	1400
1558	1571	1590	1677	1712	1803	1804	2177
2282	2287	2290	2307	2316	2398	2418	2467
2517	2634	2649	2679s	2717	2722	2726	

=====

■ 18,29/22 τινα  
κατηγοριαν  
φερετε

1/2 κατηγοριαν

2524\*

1/2-f1 κα[2]γοριαν

2524c

=====

■ 269 18, 29/24-32 τινα κατηγοριαν  
φερετε κατα του ανθρωπου τουτου

3 εχετε κατα του ανθρωπου τουτου

397

4 κατα του ανθρωπου τουτου φερετε

1060c

W-f1 κατα του ανθρωπου τουτου

1060\*

Z DEF

P52	P59	P60	P90	P108	05	011s	0109
27	96	179	274	283	335	405	416
475s	546	573	649	657	711	731s	748
766	771	779	781	798	863	888	892
892s	904	940	947	1143	1182	1207	1293
1343	1344	1349	1400	1571	1590	1677	1712
1803	1804	2177	2282	2287	2290	2307	2316
2398	2418	2467	2517	2634	2649	2679s	2717
2722	2726						

=====

■ 18, 29/24 τινα κατηγοριαν  
φερετε  
κατα του ανθρωπου τουτου

1/2 φερετε

2131c

1/2-f1 φερητε

47

1/2-f2    φετε

2131\*

1/2-f3    φερεταιρετε

1571s

=====

■ 270            18, 29/26-32    τινα κατηγοριαν φερετε  
κατα του ανθρωπου τουτου

1/2            κατα του ανθρωπου τουτου

01s1    365\*    1187c    2247c

1/2-f1    κατα του [3] ανθρωπου τουτου

2247\*

1/2-f2    κατα του ανθρωπου του τουτου

365c1

1/2-f3    κατατα του ανθρωπου τουτου

028

3            του ανθρωπου τουτου

01\*            03            087

4            κατα του ανθρωπου

149            2127

5            κατα τουτου

129            1187\*    1200s            2766

6            τω ανθρωπω τουτω

579s

7            περι του ανθρωπου τουτου

1135

Z	DEF						
P52	P59	P60	P90	P108	05	011s	0109
0290	27	33	96	179	274	283	335
376	405	416	475s	546	573	649	657
711	731s	748	766	771	779	781	798
863	888	892	892s	904	940	947	974
1143	1145	1182	1207	1288	1293	1343	1344
1349	1400	1571	1590	1677	1712	1803	1804
2177	2282	2287	2290	2307	2316	2398	2414
2418	2467	2517	2634	2649	2679s	2717	2722
2726							

■ 271 18,30/2

απεκριθησαν  
και ειπαν αυτω

1/2 απεκριθησαν

351c

1/2-f1 πεκριθησαν

655

1/2-f2 απε

1377

3 απεκριθησαν ουν

54

4 και απεκριθησαν

351\*

Z	DEF						
P52	P59	P60	P90	P108	05	011s	047
0109	27	33	96	120	179	274s	283
292	335	405	416	475s	546	573	649
657	711	731s	748	766	771	779	781
798	863	888	892	892s	904	940	947
1143	1182	1288	1293	1343	1344	1349	1400

1558	1571	1590	1712	1803	1804	2177	2282
2287	2290	2307	2316	2398	2414	2418	2467
2517	2634	2649	2679s	2717	2722	2726	
=====							

■ 272 18, 30/4-8

απεκριθησαν  
και ειπαν αυτω  
ει μη ην ουτος κακον ποιων

1/2 και ειπον αυτω

345c 2561c

1/2-o και ειπαν αυτω

01 03 04 022 529 861 1491 2561\*

1/2-f1 και ειπων αυτω

286

1/2-f2 και ειπεν αυτω

05s 66 168 345\*

1/2-f3 και ειπον αυτον

792 1709 2411 2606 2643

3 αυτω και ειπον

137 534 548 688 715 762 1074 1312  
1502

4 και ειπον

1478s

z DEF

P52	P59	P60	P90	P108	05	011s	0109
27	96	179	274s	283	335	405	416
475s	546	573	649	657	711	731s	748
766	771	779	781	798	863	892	892s
940	947	1182	1293	1343	1344	1349	1400
1571	1590	1712	1803	1804	2177	2282	2287
2290	2307	2316	2398	2414	2418	2467	2517
2634	2649	2679s	2717	2722	2726		

=====

■ 273 18, 30/10 ειπὼν αὐτῷ  
εἰ  
μὴ ἦν οὗτος κακὸν ποιῶν

3 εἰ

7

4 OM

525

Z DEF

P52	P59	P60	P90	P108	05	011s	0109
27	96	179	274s	283	335	405	416
475s	546	573	649	657	711	731s	748
766	771	779	781	798	863	892	892s
940	947	974	1143	1182	1293	1343	1344
1349	1400	1421	1571	1590	1712	1803	1804
2177	2282	2287	2290	2307	2316	2398	2414
2418	2467	2517	2634	2649	2679s	2717	2722
2726							

=====

■ 274 18, 30/12 εἰ  
μὴ  
ἦν οὗτος κακὸν ποιῶν

1/2 μὴ

2133c

3 OM

2133\* 2524

Z DEF

P52	P59	P60	P90	P108	05	011s	0109
27	96	179	274s	283	335	405	416
475s	546	573	649	657	711	731s	748
766	771	779	781	798	863	892	892s
940	947	974	1143	1182	1293	1343	1344
1349	1400	1571	1590	1712	1803	1804	2177
2282	2287	2290	2307	2316	2398	2414	2418

2467	2517	2634	2649	2679s	2717	2722	2726
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■	275	18,30/14	ει μη ην ουτος κακον ποιων				
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1/2	ην						
68*	368c	679c					

1/2-f1	η						
368*							

1/2-f2	ει						
784							

3	ουν						
162	290	793	1239	1577	2691	2808	

3-f1	ον						
68c							

4	OM						
679*	2422						

Z	DEF						
P52	P59	P60	P90	P108	05	011s	087
0109	27	96	179	274s	283	335	405
416	475s	546	573	649	657	711	731s
748	766	771	779	781	798	863	892
892s	940	947	974	1143	1182	1293	1343
1344	1349	1400	1571	1590	1712	1803	1804
2177	2282	2287	2290	2307	2316	2398	2414
2418	2467	2517	2634	2649	2679s	2717	2722
2726							

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■	276	18,30/15	ει μη ην SINE ADD ουτος κακον ποιων				
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1/2 SINE ADD

713c

3 ADD σοι

713\* 2117

Z DEF

P52	P59	P60	P90	P108	05	011s	087
0109	27	96	179	274s	283	335	405
416	475s	546	573	649	657	711	731s
748	766	771	779	781	798	863	892
892s	940	947	974	1143	1182	1293	1343
1344	1349	1400	1571	1590	1712	1803	1804
2177	2282	2287	2290	2307	2316	2398	2414
2418	2467	2517	2634	2649	2679s	2717	2722
2726							

=====

■ 277 18,30/16 ει μη ην  
ουτος  
κακον ποιων

1/2 ουτος

2121\*

1/2-f1 ουτος ουτοι

273s

1/2-f2 ουτς

2121c

1/2-f3 τουτος

4

3 OM

145 393 1415 1424

Z DEF

P52	P59	P60	P90	P108	05	011s	0109
27	96	179	274s	283	335	405	416



475s	546	573	649	657	711	731s	748
766	771	779	781	798	863	892	892s
940	947	1143	1182	1293	1343	1344	1349
1400	1571	1590	1712	1803	1804	2177	2282
2287	2290	2307	2316	2398	2414	2418	2467
2517	2634	2649	2679s	2717	2722	2726	
=====							

■ 278      18, 30/18-20      ει μη ην ουτος  
κακον ποιων  
ουκ αν σοι παρεδωκαμεν αυτον

1      κακοποιος

04c2    2524\*

1-f1      κα[1]οποιος

2524c

1-f2      κοκαποιος

2265

1-f3      ακοποιος

933

2      κακον ποιων

01Cca      03      019      032

3      κακοποιων

04\*      044      0290      33

4      κακον ποιησας

01\*

Z      DEF

P52	P59	P60	P66	P90	P108	05	011s
087	0109	27	96	179	274s	283	292
335	376	405	416	475s	546	573	649
657	711	731s	743	748	766	771	779
781	798	863	892	892s	940	947	1182
1293	1343	1344	1349	1400	1569	1571	1590
1712	1803	1804	2177	2282	2287	2290	2307

2316	2398	2414	2418	2467	2517	2634	2649
2679s	2717	2722	2726				

=====

■ 279 18,30/21 ει μη ην ουτος κακον ποιων  
SINE ADD  
ουκ αν σοι παρεδωκαμεν αυτον

1/2 SINE ADD

2561c

3 ADD ανθρωπος

2561\*

Z DEF

P52	P59	P60	P66	P90	P108	05	011s
047	0109	27	96	179	274s	283	292
335	405	416	475s	546	573	649	657
711	731s	748	766	771	779	781	798
863	892	892s	940	947	1182	1293	1343
1344	1349	1400	1571	1590	1712	1803	1804
2177	2282	2287	2290	2307	2316	2398	2414
2418	2467	2517	2634	2649	2679s	2717	2722
2726							

=====

■ 280 18,30/26-28 ουκ αν  
σοι παρεδωκαμεν  
αυτον

1/2-f1 σοι σοι παρεδωκαμεν

19

1/2-f2 σοι παρεδωκονμεν

1573

1/2-f3 σοι παρεδωκειμεν

01

1/2-f4 σε παρεδωκαμεν

2518

3	σοι παραδεδοκαμεν						
11	39	295	428	511	689	785	988
1126	1138	1409	1584	1614	2135	2399	2689
2703	2709						

3-f1	σοι παραδεδοκειμεν						
032							

3-f2	σοι παρεδεδοκαμεν						
1131							

4	παρεδοκιμεν σο[ι]						
P66							

5	παρεδοκαμεν						
969	1148						

5-f1	παρεδωκαν						
2546							

Z	DEF						
P52	P59	P60	P90	P108	05	011s	0109
0290	27	96	179	274s	283	335	405
416	475s	546	573	649	657	711	731s
748	766	771	779	781	792	798	863
892	892s	940	947	1143	1145	1182	1288
1293	1343	1344	1349	1400	1571	1590	1712
1803	1804	2177	2282	2287	2290	2307	2316
2398	2414	2418	2467	2517	2634	2649	2679s
2717	2722	2726					

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■	281	18, 30/30	ουκ αν σοι παρεδοκαμεν αυτον
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1/2	αυτον
749*	

1/2-f1	αυτω
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127	355	784	1088	1558	1673	2397	
3	OM						
749c	1449	1820					
Z	DEF						
P52	P59	P60	P66	P90	P108	05	011s
0109	27	96	179	274s	283	335	405
416	475s	546	573	649	657	711	731s
748	766	771	779	781	798	863	892
892s	940	947	1182	1293	1343	1344	1349
1400	1571	1590	1712	1803	1804	2177	2282
2287	2290	2307	2316	2398	2414	2418	2467
2517	2634	2649	2679s	2717	2722	2726	

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■ 282 18, 31/2-32

ειπεν ουν ... αυτον ειπον  
αυτω οι Ιουδαιοι

1/2B ειπεν ουν αυτοις ο πιλατος λαβετε αυτον ημεις και κατα τον νομον υμων  
κρινατε αυτον ειπον ουν

1671c

3 OM

1671\*

U ειπον ουν

303

Z DEF

P52	P59	P90	P108	05	011s	0109	27
96	179	274s	283	333	335	405	416
475s	546	573	649	657	711	731s	748
766	771	779	781	798	863	892s	940
947	1145	1182	1288	1293	1343	1344	1349
1400	1571	1590	1712	1803	1804	2177	2290
2307	2316	2398	2414	2418	2467	2517	2634
2649	2679s	2717	2722	2726			

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■	283	18, 31/2-10						
		ειπεν ουν αυτοις ο Πιλατος λαβετε αυτον υμεις						
1/2	ειπεν ουν αυτοις ο πιλατος							
	04c2	53c*	1059c	1425c	1671c			
1/2-f1	ειπεν ουν ουν αυτοις ο πιλατος							
	1200s							
1/2-f2	ειπον ουν αυτοις ο πιλατος							
	61	1059*	1425*	2806c				
1/2-f3	ειπν ουν αυτοις ο πιλατος							
	2806*							
1/2-f4	ειπεν ουν αυτοι ο πιλατος							
	1325							
1/2-f5	ειπεν ουν αυτοις ο πιλατο							
	1241							
1/2-f6	ειπεν ουν δε αυτοις ο πιλατος							
	2321							
3	ειπεν αυτοις ο πιλατος							
	4	53*	109	377	428	440	679	807
	990	1267	2444					
4	ειπεν ουν αυτοις πιλατος							
	03	04*	1152	1398				
5	ειπεν ουν ο πιλατος							
	157	295	715	945	1065	1068	1173	1256
	1317	1348	1543	1630	1670	1702	1823	2575
6	ειπεν ουν ο πιλατος αυτοις							

741							
7	ειπεν ουν αυτω ο πιλατος						
287							
8	ΟΜ						
317	423						
W1/2/5	[ει]πεν ουν αυτοι[ς ο π]ειλατ[ος]						
P66							
Z	DEF						
P52	P59	P60	P90	P108	05	011s	0109
27	33	96	120	179	274s	283	292
303	333	335	405	416	475s	546	573
649	657	711	731s	748	766	771	779
781	798	863	888	892s	940	947	1143
1145	1182	1288	1293	1343	1344	1349	1400
1569	1571	1590	1671*	1712	1803	1804	2177
2282	2287	2290	2307	2316	2372	2398	2414
2418	2467	2517	2567	2634	2649	2679s	2717
2722	2726						
=====							

■ 284 18, 31/12 ειπεν ουν αυτοις ο Πιλατος  
λαβετε  
αυτον υμεις

1/2 λαβετε

1671c

1/2-f1 λαβε

251

1/2-f2 λαμβε

142

3 λαβετε ουν

P66 152 158 555 892 2786

Z	DEF						
P52	P59	P60	P90	P108	05	011s	087
0109	27	33	96	179	274s	283	292
303	333	335	405	416	475s	546	573
649	657	711	731s	748	766	771	779
781	798	863	888	892s	940	947	1119
1131	1143	1145	1182	1288	1293	1343	1344
1349	1400	1571	1590	1671*	1712	1803	1804
2177	2185	2282	2287	2290	2307	2316	2372
2398	2414	2418	2467	2517	2567	2634	2649
2679s	2717	2722	2726				

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■ 285      18, 31/14-16      λαβετε  
αυτον υμεις  
και κατα τον νομον υμων

1/2      αυτον υμεις

1671c

1/2-f1      αυτου υμεις

107

1/2-f2      αυτου υμεις

1571s

1/2-f3      αυτω υμεις

495

3      υμεις αυτον

1267      1336      1573      2465

Z	DEF						
P52	P59	P60	P66	P90	P108	05	011s
0109	27	96	179	274s	283	303	333
335	405	416	475s	546	573	649	657
711	731s	748	766	771	779	781	798
863	888	892s	940	947	1131	1143	1145
1182	1293	1343	1344	1349	1400	1571	1578
1590	1671*	1712	1803	1804	2177	2185	2282
2287	2290	2307	2316	2372	2398	2414	2418

2467	2517	2567	2634	2649	2679s	2717	2722
2726							

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■ 286            18, 31/16-30    λαβετε αυτον  
   υμεις και κατα τον νομον υμων κρινατε αυτον

1/2            υμεις και κατα τον νομον υμων κρινατε αυτον

1671c

3            υμεις

1096

4            OM

1578

Z            DEF

P52	P59	P90	P108	05	011s	0109	27
96	179	274s	283	303	333	335	405
416	475s	546	573	649	657	711	731s
748	766	771	779	781	798	863	892s
940	947	1131	1145	1182	1293	1343	1344
1349	1400	1571	1590	1671*	1712	1803	1804
2177	2290	2307	2316	2372	2398	2414	2418
2467	2517	2567	2634	2649	2679s	2717	2722
2726							

=====

■            18, 31/17            λαβετε αυτον υμεις  
   SINE ADD  
   και κατα τον νομον υμων κρινατε αυτον

1/2            SINE ADD

1424c

W            ADD [10-16]

1424\*

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■ 287            18, 31/18-30    λαβετε αυτον υμεις  
   και κατα τον νομον υμων κρινατε αυτον



1/2 και κατα τον νομον υμων κρινατε αυτον

106c 817c 1671c

1/2-f1 και κατα το νομον υμων κρινατε αυτον

1335

1/2-f2 και κατα τον νο υμων κρινατε αυτον

562

3 και σταυρωσατε κατα τον νομον υμων κρινοντες αυτον

720

4 και σταυρωσα[ντε]ς κατα τον νομον υμων κρινατε αυτον

106\*

5 και κατα τον νομον υμων σταυρωσατε κρινατε αυτον

817\*

Z DEF

P52	P59	P66	P90	P108	05	011s	0109
27	96	179	274s	283	303	333	335
405	416	475s	546	573	649	657	711
731s	748	766	771	779	781	798	863
888	892s	940	947	1096	1131	1143	1145
1182	1293	1343	1344	1349	1400	1571	1578
1590	1671*	1712	1803	1804	2177	2282	2290
2307	2316	2372	2398	2414	2418	2467	2517
2567	2634	2649	2679s	2717	2722	2726	

■ 288 18, 31/18 λαβετε αυτον υμεις  
και  
κατα τον νομον υμων κρινατε αυτον

1/2 και

1567c\* 1671c

1/2-f1 και και

686

3	OM						
587	1567*	1604					
Z	DEF						
P52	P59	P66	P90	P108	05	011s	0109
27	96	179	274s	283	303	333	335
389	405	416	475s	546	573	649	657
711	731s	748	766	771	779	781	798
863	888	892s	940	947	1096	1131	1145
1182	1293	1343	1344	1349	1400	1404	1571
1578	1590	1671*	1712	1803	1804	2177	2290
2307	2316	2372	2398	2414	2418	2467	2517
2567	2634	2649	2679s	2717	2722	2726	

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■ 289 18, 31/26 και κατά τον νομόν  
υμών  
κρίνατε αυτόν

1/2 υμών  
544c 1059c 1214c 1455c 1671c

3 υμεις  
2621

4 υμών {κρίνατε αυτόν} υμεις  
273s 2766

5 OM  
395 544\* 791 1059\* 1200s 1204 1214\* 1243  
1455\*

Z DEF  
P52 P59 P66 P90 P108 05 011s 0109  
27 96 179 274s 283 292 303 333  
335 405 416 475s 546 573 649 657  
711 731s 748 766 771 779 781 798  
863 888 892s 940 947 1096 1131 1143  
1145 1182 1288 1293 1343 1344 1349 1400  
1571 1578 1590 1671\* 1712 1803 1804 2177  
2282 2290 2307 2316 2372 2398 2414 2418

2467	2517	2567	2634	2649	2679s	2717	2722
2726							
=====							
■ 290	18, 31/28	και κατα τον νομον υμων κρινατε αυτον					
1/2	κρινατε						
403c	1364c	1671c					
1/2-f1	κριατε						
1364*							
3	κρινετε						
368	403*	1291					
Z	DEF						
P52	P59	P60	P66	P90	P108	05	011s
0109	27	96	179	274s	283	303	333
335	342	405	416	475s	546	573	649
657	711	731s	748	766	771	779	781
798	863	892s	940	947	1096	1131	1145
1182	1293	1343	1344	1349	1400	1571	1578
1590	1671*	1712	1803	1804	2177	2282	2290
2307	2316	2372	2398	2414	2418	2467	2517
2567	2634	2649	2679s	2717	2722	2726	
=====							
■	18, 31/30-32	κρινατε αυτον ειπον αυτω οι Ιουδαιοι					
1/2	αυτον ειπον						
2524*							
W	αυτ[4]πον						
2524c1							
W	αυτον [2]πον						
2524c2							
-----							

■ 291 18, 31/30 κρινατε  
αυτον  
ειπον αυτω οι Ιουδαιοι

1/2 αυτον

01Cca 1582c 1671c

3 OM

01*	032	087	1	16	28	138	152
184	193	205	209	348	357	477	508
513	555	565	579s	792	829	892	977
994	1216	1243	1263	1279	1447	1528	1579
1582*	1624	2174	2223	2526	2575	2684	2702
2718	2886						

Z DEF

P52	P59	P60	P66	P90	P108	05	011s
0109	27	96	179	274s	283	303	333
335	342	405	416	475s	546	573	649
657	711	731s	748	766	771	779	781
798	863	892s	940	947	1096	1131	1145
1182	1293	1343	1344	1349	1571	1578	1590
1671*	1712	1803	1804	2177	2290	2307	2316
2372	2398	2414	2418	2467	2517	2567	2634
2649	2679s	2717	2722	2726			

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■ 292 18, 31/32-38 κρινατε αυτον  
ειπον αυτω οι Ιουδαιοι  
ημιν ουκ εξεστιν

1 ειπον ουν αυτω οι ιουδαιοι

028c*	145c*	154c	534c	690c	733c1	1192c	1248c
1352c	1678c	2132c					

1-f1 ειπεν ουν αυτω οι ιουδαιοι

65

1-f2 ειπον ουν αυτω οι ιουδαι

1558	2132*
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1-f3 ουν αυτω οι ιουδαιοι

933								
1-f4	ειπον ο αυτω οι ιδαιοι							
2191								
1-f5	ειπον ουν αυτω οι ουδαιοι							
028*	63	698	1571s					
1-f6	ει δ πον ουν αυτω οι ιου							
2490								
1-f7	ειπον ουν αυτω ο πιλατος οι ιουδαιοι							
1078								
1-f8	ειπον ουν αυτω οι ιδαιοι							
530	1063	1091						
1-f9	ειπον αυτω ουν οι ιδαιοι							
680								
1-f10	ειπον ουν αυτον οι ιουδαιοι							
217	578	792	903	1135	1202	1236	1242	
1248*	2524*	2643	2905					
1-f11	[2]πον ουν αυτον οι ιουδαιοι							
2524c1	2524c2							
1B	ειπον ουν αυτοις οι ιουδαιοι							
949								
2	ειπον αυτω οι ιουδαιοι							
03	04	59	225	287	408	690*	700	
818	861	881	886	937	1220	1243	1432	
2129	2590	2786						
2-f1	ειπον αυτω οι ιδαιοι							
1783								

3 ειπον δε αυτω οι ιουδαιοι

02	05s	017	022	030	034	038	041
087	0211	1	5	12	20	27s	29
68	100	113	114	131	138	145*	157
158	159	163	171	175	182	205	209
215	220	233	265	268	270	276	278
291	292	297	331	345	349	352	357
365	371	375	388	389	395	410	414
443	470	482	489	490	527	537	544
545	557	565	574	582	585	597	651
679	699	726	731	773	782	787	794
830	839	841	852	864	884	965	968
980	994	1001	1007	1009	1011	1026	1048
1056	1079	1094	1096	1113	1136	1164	1195
1196	1209	1219	1230	1233	1235	1241	1268
1289	1313	1319	1340	1375	1377	1398	1404
1423	1451	1463	1465	1466	1468	1472	1483
1486	1510	1515	1549	1561	1605	1606	1630
1641	1646	1676	1695	1797	2120	2127	2141
2145	2146	2188	2193	2223	2244	2252	2278
2280	2324	2328	2346	2388	2397	2430	2478
2483	2492	2516	2528	2535	2561	2575	2584
2622	2623	2624	2661	2665	2680	2685	2702
2703	2728	2730	2756	2760	2783	2794	2886
2902							

3-f1 ειπον δε αυτω οι ιδαιοι

1582 1816

3-f2 ειπον δε αυτον οι ιουδαιοι

2375 2411

3-f3 ειπον δε αυτον οι ιδαιοι

2404

4 ειπον ουν οι ιουδαιοι

26	28	179s	261	286	435s	595	676
923	948	1348	1352*	1409	1489	1532	1704
1784s	2108	2148	2159	2281			

5 ειπον δε οι ιουδαιοι

1208

6	ειπον ουν αυτω ιουδαιοι							
	047	123	133	187	218	273s	305	440
	1192*	1677	2176	2475	2546	2711		
7	ειπον δε αυτον							
	2766							
8	ειπον ουν αυτω							
	428	1403	1678*					
9	ΟΜ							
	154*	733*	1263					
Z	DEF							
	P52	P59	P60	P66	P90	P108	05	011s
	27	96	179	274s	283	333	335	405
	416	475s	534*	546	573	649	657	711
	731s	748	766	771	779	781	798	863
	892s	940	947	1023	1131	1143	1145	1182
	1288	1293	1343	1344	1349	1421	1571	1590
	1712	1803	1804	2177	2185	2282	2290	2307
	2316	2372	2398	2414	2418	2467	2517	2567
	2632	2634	2649	2679s	2717	2722	2726	

■ 293 18, 31/40-48 ειπον αυτω οι Ιουδαιοι  
ημιν ουκ εξεστιν αποκτειναι ουδενα

1/2 ημιν ουκ εξεστιν αποκτειναι ουδενα

52c\*

3 ΟΜ

52\*

Z DEF

P59	P90	P108	05	011s	27	96	179
274s	283	333	335	405	416	475s	546
573	649	657	711	731s	748	766	771
779	781	798	863	892s	940	947	1131

1182	1293	1343	1344	1349	1571	1590	1712
1803	1804	2177	2290	2316	2372	2398	2414
2418	2467	2517	2567	2634	2649	2679s	2717
2722	2726						
=====							
■	294	18, 31/40	ειπον αυτω οι Ιουδαιοι ημιν ουκ εξεστιν αποκτειναι ουδενα				
1/2	ημιν						
52c*	733c1	1298c*					
1/2-f1	ημεις						
1298*	2804						
1/2-f2	υμεις						
168							
3	OM						
733*							
Z	DEF						
P59	P66	P90	P108	05	011s	27	52*
96	179	274s	283	333	335	405	416
475s	546	573	649	657	711	731s	748
766	771	779	781	798	863	892s	940
947	1131	1143	1182	1293	1343	1344	1349
1571	1590	1712	1803	1804	2177	2290	2316
2372	2398	2414	2418	2467	2517	2567	2634
2649	2679s	2717	2722	2726			
=====							
■	18, 31/42	ημιν ουκ εξεστιν αποκτειναι ουδενα					
1/2	ουκ						
874c*							
1/2-f1	ουε						
874*							



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■ 295 18, 31/44 ημιν ουκ  
εξεστιν  
αποκτειναι ουδενα

1/2 εξεστιν

52c\* 534c

1/2-f1 εξεστιν

1656

1/2-f2 εξεστιν τινα

038

1/2-f3 εξεστιν α

792

3 εστιν

830 1122 1331 1532 2426 2907

Z DEF

P52	P59	P60	P66	P90	P108	05	011s
0290	27	52*	96	179	274s	283	333
335	370	405	416	475s	534*	546	573
649	657	711	731s	748	766	771	779
781	798	863	892s	940	947	1131	1143
1182	1288	1293	1343	1344	1349	1571	1590
1712	1803	1804	2177	2282	2290	2316	2372
2398	2414	2418	2467	2517	2567	2634	2649
2679s	2717	2722	2726				

=====

■ 296 18, 31/46-48 ημιν ουκ εξεστιν  
αποκτειναι ουδενα

1/2 αποκτειναι ουδενα

52c\* 987sc 1059c 1651c 2244c 2524\* 2524c2

1/2-f1 ποκτειναι ουδενα

2244*	
1/2-f2	αποκτειναι ουδενα
1325	
1/2-f3	αποτειναι ουδενα
1651*	
1/2-f4	αποκτιναι ουδενα
01Cca	01Ccb
1/2-f5	αποκτιναι ουδεναι ουδενα
01*	
1/2-f6	α[2]κτειναι ουδενα
2524c1	
1/2-f7	αποδοκτειναι ουδενα
987s*	
1/2-f8	αποκτειναι ουδωνα
1059*	
1/2-f9	αποκτειναι ουδενος
1639	
3	αποκτειναι ουδε ενα
1343s	
4	απολεσαι ουδενα
1463	2245
4-f	απολυσαι ουδενα
1273	1673 2311
6	αποδουναι ουδενα

809

7 ουδενά αποκτείναι

1	138	179s	205	209	357	565	884
994	1532	1582	1784s	2148	2575	2702	2713
2886							

8 αποδουναι και αποκτειναι ουδενά

937

Z DEF

P52	P59	P60	P66	P90	P108	05	011s
0109	27	52*	96	179	274s	283	333
335	405	416	475s	546	573	649	657
711	731s	748	766	771	779	781	798
863	888	892s	940	947	1131	1143	1145
1182	1293	1343	1344	1349	1571	1590	1712
1803	1804	2177	2290	2307	2316	2372	2398
2414	2418	2467	2517	2567	2634	2649	2679s
2717	2722	2726					

■ 297 18, 32/2-16

ινα ο λογος του Ιησου πληρωθη ον ειπεν  
σημαινων ποιω θανατω

3 OM

156

Z DEF

P59	P90	P108	05	011s	27	96	179
274s	283	335	405	416	475s	546	573
649	657	711	731s	748	766	771	781
798	863	888	892s	926	940	947	1131
1182	1293	1343	1344	1349	1571	1590	1712
1803	1804	2177	2290	2316	2372	2398	2414
2418	2467	2517	2567	2634	2649	2679	2717
2722	2726						

■ 18, 32/2

ινα  
ο λογος του Ιησου πληρωθη

1/2 ινα

1567c\*

1/2-f1 ιν

861 1567\*

=====

■ 298 18, 32/4-12 ινα  
ο λογος του Ιησου πληρωθη  
ον ειπεν

1/2 ο λογος του ιησου πληρωθη

74c\* 534c 899c

1/2-f1 ο λογος του ιησου πληρωθηη

2810

1/2-f2 ο λογος του ιησου πληθη

2411

1/2-f3 ο λογος του ιησου [4-7] πληρωθη

899\*

3 ο λογος ιησου πληρωθη

127	132	147	189	676	825	1011	1236
1558	1625	2146	2670	2786			

4 ο λογος του θεου πληρωθη

019	037	59	168	348	555	744	770
833	1186	1364	1365	1536	1709	2106	2714

5 πληρωθη ο λογος του ιησου

032 1242 1654 2561 2718

w1/2/4 ο λογος του πληρωθη

74\*

W1/2/5 ο λογος του ιησου πληρωθη ο λογος του ιησου

2656

Z DEF

P52	P59	P90	P108	05	011s	0109	0290
27	96	156	179	274s	283	335	405
416	475s	534*	546	573	649	657	711
731s	748	766	771	779	781	798	863
888	892s	926	940	947	1131	1182	1293
1343	1344	1349	1421	1571	1590	1712	1803
1804	2177	2282	2290	2316	2372	2398	2414
2418	2467	2517	2567	2634	2649	2679	2717
2722	2726						

=====

■ 299 18, 32/14-16 ο λογος του Ιησου πληρωθη  
ον ειπεν  
σημαινων ποιω θανατω

1/2 ον ειπεν

01Cca 154c 368c 733c1 760c 1142c

1/2-f1 ον ειπεν ειπε

760\*

1/2-f2 ο ειπεν

472

1/2-f3 ου ειπεν

2575

1/2-f4 ον ειπ(ον)

1364

1/2-f5 ον ειπει

1451 1465

1/2-f6 ον ει

1485



290*							
1/2-f3	σημαινω						
117	443	686	1424	2606			
3	OM						
288	471*						
Z	DEF						
P59	P90	P108	05	011s	0290	27	96
179	274s	283	335	405	416	475s	546
573	649	657	711	729	731s	748	766
771	781	798	863	888	892s	926	940
947	1131	1182	1293	1343	1344	1349	1571
1590	1712	1803	1804	2177	2282	2290	2316
2372	2398	2414	2418	2467	2517	2567	2634
2649	2679	2717	2722	2726			
=====							

18, 32/20      ον ειπεν σημαινων  
 ποιω  
 θανατω ημελλεν αποθνησκειν

1/2      ποιω  
 2529c

1/2-f1      ποι  
 02      2529\*

=====

301      18, 32/22      σημαινων ποιω  
 θανατω  
 ημελλεν αποθνησκειν

1/2      θανατω  
 1478sc

1/2-f1      θα  
 011

3      OM

1478s\*

Z	DEF						
P52	P59	P90	P108	05	011s	0290	27
96	179	274s	283	335	405	416	475s
546	573	649	657	711	729	731s	748
766	771	781	798	863	892s	926	940
947	1131	1143	1182	1293	1343	1344	1349
1571	1590	1638	1712	1803	1804	2177	2290
2316	2372	2398	2414	2418	2467	2517	2567
2634	2649	2679	2717	2722	2726		

■ 302 18, 32/23 σημαινων ποιω θανατω  
SINE ADD  
ημελλεν αποθνησκειν

1/2 SINE ADD

2406c

3 ADD δοξαση τον θεον

2406\* 2643

Z	DEF						
P52	P59	P90	P108	05	011s	0290	27
96	179	274s	283	335	405	416	475s
546	573	649	657	711	729	731s	748
766	771	781	798	863	892s	926	940
947	1131	1143	1182	1293	1343	1344	1349
1571	1590	1638	1712	1803	1804	2177	2282
2290	2316	2372	2398	2414	2418	2467	2517
2567	2634	2649	2679	2717	2722	2726	

■ 303 18, 32/24 σημαινων ποιω θανατω  
ημελλεν  
αποθνησκειν

1 εμελλεν

78c	246c1	368c	746c	821*	821c	973c	1030c
1142c	1484c	1581*	1581c	1680c	2426*	2561*	2766c



1-f1      εμελλον

2142

2      ημελλεν

P60	01	02	03	04	05s	07	011
013	021	022	030	032	033	036	037
038	039	044	047	054	087	0109	0211
1	2	7	9	13	15	16	20
21	22	23	24	27s	32	33	36
40	49	53	55	69	72	76	78*
79	80	87	106	107	109	111	112
117	118s	122	123	124	126	127	130
132	134	137	139	140	148	151	152
154	157	158	159	160	162	164	166
168	180	183	184	187	188	195	207
210	211	213	215	217	218	228	230
232	239	247	251	262	263	264	266
269	274	275	276	280	281	286	289
293	296	297	298	303	306	315	343
344s	346	347	348	349	351	352	368*
370	375	393	396	397	406	411	414
419	422	435s	440	443	444	446	447
448	449	461	471	472	473	477	493
494	495	505	506	508	511	513	518
519	520	523	525	527	530	534	537
543	550	551	552	555	556	558	562
563	578	579s	584	592	650	651	669
677	682	683	684	690	695	696	697
698	706	713	714	715	716	718	719
724	727	728	729	732	733	734	736
741	742	744	746*	747	749	750	752
761	762	765	772	774	775	776	778
783	784	786	788	790	791	792	793
796	801	809	817	818	819	820	823
826	827	828	829	831	833	834	835
839	841	852	854	855	856	858	862
865	871	874	875	878	881	883	884
886	887	889	892	899	901	902	904
905	906	925	927	929	930	934	949
952	956	963	971	973*	974	977	988
991	992	998	1000	1004	1005	1006	1008
1009	1010	1011	1017	1029	1030*	1032	1034
1037	1038	1039	1042	1043	1044	1048	1050
1054s	1061	1063	1064	1071	1073	1074	1082
1083	1086	1093	1096	1110	1118	1120	1122
1125	1127	1136	1141	1144	1160	1163	1166

1179	1187	1188	1190	1192	1193	1195	1197
1200s	1203	1205	1208	1210	1213	1215	1216
1218	1222	1225	1226	1228	1229	1238	1239
1241	1242	1243	1252	1256	1261	1262	1263
1265	1267	1269	1273	1278	1279	1288	1291
1292	1295	1300	1301	1302	1303	1312	1319
1321	1325	1335	1336	1341	1342	1347	1353
1354	1356	1358	1365	1367	1387	1387s	1391
1393	1396	1404	1408	1409	1415	1422	1423
1424	1425	1428	1431	1434	1439	1441	1442
1446	1448	1449	1452	1455	1457	1461	1465
1466	1467	1470	1471	1472	1478s	1481	1484*
1485	1491	1494	1506	1511	1519	1521	1528
1531	1533	1536	1540	1542	1544	1546	1549
1556	1557	1560	1562	1563	1564	1565	1566
1568	1569	1573	1574	1579	1580	1582	1585
1586	1589	1593	1595	1613	1622s	1623	1629
1632	1637	1640	1644	1653	1654	1656	1660
1664	1668	1676	1678	1680*	1684	1692	1693
1701	1707	1709	1780	1781	1788	1790	1791
1800	1802	1820	2100	2106	2107	2118	2135
2136	2137	2141	2145	2146	2173	2174	2176
2178	2181	2182	2185	2188	2192	2195	2206
2213	2215	2236	2238	2245	2277	2281	2282s
2284	2287	2290s	2291	2295	2297	2304	2307
2311	2328	2370	2374	2386	2387	2388	2394
2399	2405	2420	2422	2426c	2437	2439	2442
2465	2470	2471	2487	2490	2497	2502	2508
2514	2524	2526	2530	2545	2546	2549	2555
2561c	2562	2563	2571	2573	2591	2603	2608
2611	2613	2620	2622	2623	2633	2637	2643
2656	2658	2660	2661	2665	2679s	2680	2686
2687	2691	2693s	2702	2707	2708	2709	2715
2718	2721	2724	2725	2727	2728	2732	2735
2737	2747	2750	2758s	2765	2766*	2768	2773
2774	2775s	2786	2794	2808	2809	2812	2813
2856	2860	2894	2907	2908			

3	OM	
295	1285*	
W1/2	μελλεν	
1688	2592	2621
W1/2	[1]μελλεν	
138	1090	1142*

Z	DEF						
P52	P59	P66	P90	P108	05	011s	0290
27	96	179	245	246*	274s	283	294
335	376	405	416	475s	546	573	649
657	711	731s	748	766	771	781	798
863	892s	926	940	947	1131	1143	1182
1285c	1293	1343	1344	1349	1571	1590	1638
1712	1803	1804	2177	2282	2290	2316	2372
2398	2414	2418	2467	2517	2567	2634	2649
2679	2717	2722	2726				

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■ 304 18, 32/26 σημειων ποιω θανατω ημελλεν  
αποθνησκειν

1/2 αποθνησκειν

40c1 246c1 439c 1802c

1/2-f1 αποθ[1]ησκειν

1802\*

1/2-f2 αποθησκειν

019

1/2-f3 αποθνηκειν

439\* 1547 1577

1/2-f4 αποθνησκειν

1200s

1/2-f5 αποθνησκη

2673

1/2-f6 αποθνισκει

2643

3 τελευταν

40\*

Z	DEF						
P59	P66	P90	P108	05	011s	27	96
179	246*	274s	283	335	405	416	475s
546	573	649	657	711	729	731s	748
766	771	781	798	863	892s	926	940
947	1131	1182	1293	1343	1344	1349	1571
1590	1638	1712	1803	1804	2177	2290	2316
2372	2414	2418	2467	2517	2567	2634	2649
2679	2717	2722	2726				

■ 305 18, 33/2-4

εισηλθεν ουν  
παλιν εις το πραιτωριον ο Πιλατος

1/2 εισηλθεν ουν

246c 286c 1113c

1/2-f1 εισηλθεν εισηλθεν ουν

2422

1/2-f2 εισηλθεν υν

16

1/2-f3 εισηλθεν οουν

1333

1/2-f4 εισελθεν ουν

286\*

1/2-f5 εισηλ ουν

2529

1/2-f6 εισηλθον ουν

05s

3 και εισηλθεν

841

4	εξηλθεν ουν						
P60	1193						
5	συνηλθεν ουν						
503							
6	εισηλθεν						
290	492	519	788	1113*	1226	2786	
Z	DEF						
P52	P59	P90	P108	05	011s	087	0109
0290	27	96	179	246*	274s	283	333
335	405	416	475s	546	573	649	657
711	729	731s	748	766	771	781	798
863	892s	926	940	947	1131	1143	1182
1293	1343	1344	1349	1421	1571	1590	1638
1712	1803	1804	2177	2188	2290	2307	2316
2372	2414	2418	2452	2467	2517	2567	2632
2634	2649	2679	2717	2722	2726		

■ 306      18, 33/5      εισηλθεν ουν  
    SINE ADD  
    παλιν εις το πραιτωριον ο Πιλατος

1/2      SINE ADD

791c

3      ADD ο ιησους

2314

W      ADD [3-4]

791\*

Z	DEF						
P52	P59	P90	P108	05	011s	27	96
179	274s	283	333	335	405	416	475s
546	573	649	657	711	729	731s	748
766	771	781	798	863	892s	926	940
947	1119	1131	1182	1293	1343	1344	1349

1571	1590	1638	1712	1803	1804	2177	2188
2290	2316	2372	2414	2418	2452	2467	2517
2567	2632	2634	2649	2679	2717	2722	2726

=====

■ 307            18, 33/6-16            εισηλθεν ουν  
παλιν εις το πραιτωριον ο Πιλατος  
και εφωνησεν τον Ιησουν

1            εις το πραιτωριον παλιν ο πιλατος

034c	154c	973c	1364c	2356c
------	------	------	-------	-------

1-f1            εις τωριον παλιν ο πιλατος

034\*

1-f2            εις τι(ον) πραιτωριον παλιν ο πιλατος

2398

1-f3            εις το πραιταιριον παλιν ο πιλατος

680

1-f4            εις το πραιτοριαν παλιν ο πιλατος

1579

1-f5            εις το πρ[0-1]αιτωριον παλιν ο πιλατος

1364\*

1-f6            εις το πραιτωριον παλιον ο πιλατος

367

2            παλιν εις το πραιτωριον ο πιλατος

P52	P66	03	04*	019	032	033	037
054	0109	0141	0211	0290	13	27s	49
71	86	124	130	135	175	185	213
294	299	317	346	352	375	397	423
543	561	569	579s	648	715	732	750
759	782	786	788	808	821	826	828
865	873	891	968	973*	974	996	1001
1006	1014	1017	1038	1071	1082	1123	1136
1143	1220	1222	1242	1267	1268	1273	1289

1319	1321	1345	1370	1373	1413	1451	1458
1531	1563	1606 <sup>c</sup>	1623	1626	1654	1663	1676
1689	1692	1693	1788	1792	1819	1820	1823
2129	2213	2252	2263	2291	2387	2397	2474
2494	2525	2528	2533	2561	2606	2611	2680
2686	2705	2715	2718	2728	2794		
3	παλιν εις το πραιτωριον πειλατος						
05s							
4	παλιν ο πιλατος εις το πραιτωριον						
69	743	1173	2786				
5	παλιν εις το πραιτωριον παλιν ο πιλατος						
402	529	1606*					
6	εις το πραιτωριον ο πιλατος παλιν						
022	044	1317	1515	1519	1546	1593	2127
2311							
7	εις το πραιτωριον ο πιλατος						
04 <sup>c</sup>	33	121	228	259	374	533	662
728	792	861	886	929	1060	1196	1288
1297	1358	1642	1665	1966	2206	2356*	2375
2442	2515	2549	2643				
8	εις το πραιτωριον πιλατος						
663							
9	εις το πραιτωριον παλιν						
P60	1513						
10	ο πιλατος						
2487							
11	ο πιλατος παλιν εις το πραιτωριον						
1671	2112						
12	το πραιτωριον παλιν ο πιλατος						

154\*

Z	DEF						
P59	P90	P108	05	011s	27	96	179
274s	283	333	335	405	416	475s	546
573	649	657	711	729	731s	748	766
771	781	798	863	892s	926	940	947
1131	1182	1293	1343	1344	1349	1571	1590
1638	1712	1803	1804	2177	2188	2290	2307
2316	2372	2414	2418	2452	2467	2517	2567
2632	2634	2649	2679	2717	2722	2726	

■ 18, 33/18 ο Πιλατος  
και  
εφωνησεν τον Ιησουν

1/2 και

2314\*

1/2-f1 και και

2317

W-f1 OM

2314c

■ 308 18, 33/20-30 ο Πιλατος και  
εφωνησεν τον Ιησουν και ειπεν αυτω  
συ ει ο βασιλευς των Ιουδαιων

1/2 εφωνησεν τον ιησουν και ειπεν αυτω

588c

1/2-f1 φωνησεν τον ιησουν και ειπεν αυτω

270 2223

1/2-f2 εφωνησεν τον ιησουν και ειπεν αυτον

792 1135 2606

1/2B εφωνησεν τον ιησουν και ειπεν αυτοις



02								
3	εφωνησεν ιησουν και ειπεν αυτω							
376	588*							
4	εφωνησεν τω ιησου και ειπεν αυτω							
24	32	108	156	663	734	752	801	
905	1422	1645	2812					
5	εφωνησεν αυτον και ειπεν αυτω							
40	63	168	169	178	186	259	353	
391	747	770	800	874	878	946	989	
997	1263	1364	1592	2482				
6	εφωνησεν τον ιησουν και ειπεν							
047	251	447	1373	2476				
7	εφωνησεν τον ιησουν και λεγει αυτω							
825	1180	2284						
8	εφωνησεν τον ιησουν							
1533								
9	εφωνησας τον ιησουν ειπεν αυτω							
2786	2804							
10	ειπεν αυτω							
P60								
11	λεγει τω ιησου							
1555								
W1/2/6	[...] το[ν] ιησουν κ[αι ει]πεν [...]							
P66								
Z	DEF							
P52	P59	P90	P108	05	011s	0290	27	

96	179	274s	283	335	405	416	475s
546	573	649	657	711	729	731s	748
766	771	781	798	863	892s	926	940
947	1119	1131	1182	1273	1293	1343	1344
1349	1560	1571	1590	1638	1712	1803	1804
2177	2188	2290	2307	2316	2372	2414	2418
2452	2467	2517	2567	2632	2634	2649	2679
2717	2722	2726					

309	18, 33/32-42	ειπεν αυτω συ ει ο βασιλευς των Ιουδαιων
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1/2-f1      συ ει ο βαλευς των ιουδαιων

545

3 OM

1186

Z DEF

P59	P66	P90	P108	05	011s	27	96
179	274s	283	335	405	416	475s	546
573	649	657	711	731s	748	766	771
781	798	863	892s	926	940	947	1131
1182	1273	1293	1343	1344	1349	1560	1571
1590	1638	1712	1803	1804	2177	2188	2290
2316	2372	2414	2418	2452	2467	2517	2567
2632	2634	2649	2679	2717	2722	2726	

310 18, 33/34 και ειπεν αυτω συ  
ει  
ο βασιλευς των Ιουδαιων

3 OM

493      1335

Z DEF

P52	P59	P60	P66	P90	P108	05	011s
27	96	179	274s	283	335	405	416
475s	546	573	649	657	711	729	731s
748	766	771	781	798	863	892s	926
940	947	1131	1182	1186	1273	1293	1343

1344	1349	1560	1571	1590	1638	1712	1803
1804	2177	2188	2290	2316	2372	2414	2418
2452	2467	2517	2567	2632	2634	2649	2679
2717	2722	2726					

=====

■ 311 18, 33/36 συ ει  
ο  
βασιλευς των Ιουδαιων

1/2 ο

054c 182c

3 OM

054*	182*	344s	359	716	1296	1802	2533
2708							

Z DEF

P52	P59	P60	P66	P90	P108	05	011s
087	0290	27	96	179	274s	283	335
405	416	475s	546	573	649	657	711
729	731s	748	766	771	781	798	863
892s	926	940	947	1131	1143	1182	1186
1273	1293	1343	1344	1349	1560	1571	1590
1638	1712	1803	1804	2177	2188	2290	2316
2372	2414	2418	2452	2467	2517	2567	2632
2634	2649	2679	2717	2722	2726		

=====

■ 18, 33/40-34/14 συ ει ο βασιλευς  
των Ιουδαιων 34 ... συ τουτο λεγεις  
συ τουτο λεγεις

V OM

2422

=====

■ 312 18, 33/40-42 συ ει ο βασιλευς  
των Ιουδαιων

1/2 των ιουδαιων

2524c

1/2-f1 τω ιουδαιων

2497

1/2-f2 των ιδαιων

2404 2524\*

1/2-f3 των ιουδαιων

32

3 OM

1652

Z DEF

P59	P66	P90	P108	05	011s	27	96
179	274s	283	335	405	416	475s	546
573	649	657	711	731s	748	766	771
781	798	863	892s	926	940	947	1131
1182	1186	1273	1293	1343	1344	1349	1560
1571	1590	1638	1712	1803	1804	2177	2188
2290	2316	2372	2414	2418	2422	2452	2467
2517	2567	2632	2634	2649	2679	2717	2722
2726							

=====

■ 313 18, 34/2-4

απεκριθη Ιησους  
απο σεαυτου συ τουτο λεγεις

1 απεκριθη αυτω ο ιησους

04c2 031sc1 79c 168c 811c 965c 2783c

1-f1 απεκριθη αυ αυτω ο ιησους

1642

1-f2 α απεκριθη αυτω ο ιησους

927

1-f3 απεκριη αυτω ο ιησους

1135

2	απεκριθη ιησους						
03	019	033	0109	0141	213	317	329
333	423	865	1321	1370	1451	1819	2129
2524							
2-f1	αποκριθη ιησους						
732	1820						
3	απεκριθη ο ιησους						
P60	04*	021	054	23	76	265	296
397	406	525	529	544	579s	724	811*
821	968	1049	1064	1289	1511	1678	1697
2236	2290s	2528	2708	2713			
4	απεκριθη αυτω ιησους						
031s*	12	46	71	507	514	600	668
703	935	939	1014	1015	1080	1233	1312
1388	1468	1470	1530	1581	1605	2097	2121
2362	2606	2783*					
5	απεκριθη ουν αυτω ο ιησους						
1137							
6	απεκρινατο ο ιησους						
02	022	030	038	041	044	087	0211
29c1	33	114	138	157	159	163	175
205	209	233	268	270	295	299	331
345	357c	377	389	443	470	482	489
490	508	565	574	581	654	699	700
706	731	787	807	839	884	974	980
990	992	994	1006	1009	1026	1079	1085
1128	1195	1219	1223	1230	1241	1268	1272
1313	1398	1428	1446	1457	1486	1546	1556
1582c	1589	1627	1646	1654	1666	1690	1699
1784s	1816	2148	2193	2223	2238	2280	2321
2400	2404	2411	2463	2516	2575	2615	2623
2624	2661	2680	2684	2886	2902		
6-f1	απεκριναυτο ο ιησους						
1013	1220						

7	απεκρινατο αυτω ο ιησους							
158	395	527	1342	2145				
8	απεκρινατο ιησους							
1	357*	1582*						
9	και απεκρινατο ο ιησους							
05s	032							
10	απεκριθη αυτω ο ιησους και ειπεν αυτω							
725	1402	2295						
11	απεκριθη αυτω ο ιησους και ειπεν							
251	792							
12	απεκριθη ο ιησους και ειπεν							
1242	2561							
13	απεκριθη ιησους και ειπεν αυτω							
498	957	979	982	1024	1071	1126	1138	
1194	1202	1354	1403	1504	1553	1615		
14	απεκριθη ο ιησους και ειπεν αυτω							
904	1623	2643						
15	απεκριθη αυτος και ειπε							
1558								
16	λεγει αυτω ο ιησους							
873	891							
17	απεκριθη αυτω ο κυριος							
229								
18	απεκριθη αυτω							
79*	684	1152						

19 ο ιησους

1186

20 OM

29\* 168\* 965\*

W6/7/8 απεκρινα[...]ο ιησους

P66

Z DEF

P52	P59	P90	P108	05	011s	0290	27
96	179	274s	283	335	352	405	416
475s	546	573	649	657	711	731s	748
766	771	781	798	863	892s	926	930
940	947	1119	1131	1143	1182	1273	1293
1343	1344	1349	1560	1571	1590	1638	1712
1803	1804	2177	2179	2188	2290	2316	2372
2414	2418	2422	2452	2467	2470	2517	2567
2632	2634	2649	2679	2717	2722	2726	2894

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■ 314 18, 34/6-8 απεκριθη Ιησους  
απο σεαυτου  
συ τουτο λεγεις

1 αφ εαυτου

04c1

1-f1 αφ εαυτω

1491

1-f2 αφ ετου

1583

1-f3 αφ εαντου

746

2 απο σεαυτου





5	συ λεγεις						
168	652*	1409	1780	2148			
6	τουτο συ λεγεις						
170	901						
7	τουτο λεγεις						
P66*	05s	472	968	1289	2106	2528	2786
8	τουτο ειπας						
01*							
W6/7/8	τουτο [λεγεις]						
P60							
Z	DEF						
P52	P59	P90	P108	05	011s	047	0290
27	179	274s	283	335	405	416	475s
546	573	649	657	711	731s	748	766
771	781	798	863	892s	926	930	940
947	1131	1143	1182	1273	1293	1343	1344
1349	1421	1560	1571	1590	1638	1712	1803
1804	2177	2179	2188	2290	2307	2316	2372
2389	2414	2418	2422	2452	2467	2517	2567
2632	2634	2649	2679	2717	2722	2726	2894

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■ 316 18, 34/16 συ τουτο λεγεις  
η  
αλλοι ειπον σοι περι εμου

1/2 η

772c

3 OM

772\* 2810

Z DEF

P52	P59	P60	P66	P90	P108	05	011s
047	27	179	274s	283	335	405	416
475s	546	573	649	657	711	731s	748
766	771	781	798	863	892s	926	930
940	947	1131	1143	1182	1273	1293	1343
1344	1349	1560	1571	1590	1638	1712	1803
1804	2177	2179	2188	2290	2316	2372	2414
2418	2452	2467	2517	2567	2632	2634	2649
2679	2717	2722	2726				
=====							

■ 317            18, 34/18-22    συ τουτο λεγεις η  
αλλοι ειπον σοι  
περι εμου

1            αλλοι σοι ειπον

113c	153c*	329c	778c*	1393c*	1546c*	1581c*
1660c*	1823c	2147c	2215c	2404c	2605c	2788sc

1-ο            αλλοι σοι ειπαν

0109	13	543	788	826	828	1237
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1-f1            αλλοι σοι ειπον πον

153\*

1-f2            ααλλοι σοι ειπον

1139

1-f3            αλλοι σοι ειπο

472

1-f4            αλλοι σε ειπον

04c2	033	213	799
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1-f5            αλλη σοι ειπον

298	1200s
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1-f6            αλλη σοι υπον

1335

1-f7 αλλοι σου ειπον

135 293 1071 1211

2 αλλοι ειπον σοι

03 04\* 05s 019 032 419 732 1819  
1820 2129 2786

2-f [αλ]λοι ε[ι]πεν σο[ι]

P66

4 αλλος σοι ειπεν

022 028 034 041 2 5 12 23  
44 71 86 114 165 171 185 209  
217 235 264 265 268 270 292 330  
345 350 351 377 389 395 470 489  
490 569 578 579s 581 654 680 699  
705 718c 733 752 787 807 809 839  
965 980 1007 1009 1014 1079 1094 1170  
1196 1219 1222 1233 1239 1272 1291 1377  
1388 1413 1443 1458 1468 1475 1478s 1486  
1531 1579 1605 1627 1660\* 1663 1680 1687  
1690 1699 1797 1800 2106 2148 2193 2291  
2321 2324 2387 2404\* 2411 2430 2463 2507  
2611 2615 2685 2686 2703 2705 2714 2730  
2760 2766 2783 2902

4-f1 αλλος σε ειπεν

865

4-f2 αλλος συ ειπεν

1269

5 αλλος σοι τουτο ειπε

818

6 σοι ειπε

718\*

7 αλλοι σοι

357							
10	αλλοι ειπον						
54	108	281	329*	411	1393*	1823*	2244
2605*	2643						
11	ετεροι σοι ειπον						
2718							
W1/8/12	αλλοι σοι ει						
778*							
W1/8/12	αλλοι σοι ειπ[1]						
113*							
W1/9	αλλοως σοι ειπον						
1676							
W1/9	αλλο σοι ειπον						
2147*	2788s*						
W1/9	αλλω σοι ειπον						
1593							
W1/9	αλλοις σοι ειπον						
742	1340						
W1/9	αλλο[1] σοι ειπον						
511	776						
W1/9/10	αλλοις ειπον						
2215*							
W1/9/11	[αλλοι] σοι ειπον						
1143							
W2/3/10	αλλοι ει[πον σοι]						

0290							
W4/8	αλλο σοι ειπεν						
021							
W1/4	αλλοι σοι ειπεν						
158	1463						
W1/4	αλλος σοι ειπον						
1135	1223	1421	1546*	1581*			
Z	DEF						
P52	P59	P90	P108	05	011s	047	27
179	274s	283	335	405	416	428	475s
546	573	649	657	711	731s	748	766
771	781	798	863	888	892s	926	930
940	947	976	1119	1131	1182	1273	1293
1306	1343	1344	1349	1560	1571	1590	1638
1712	1803	1804	2177	2179	2188	2290	2307
2316	2372	2414	2418	2452	2467	2517	2567
2632	2634	2649	2679	2717	2722	2726	
=====							
■ 318	18, 34/20-26	συ τουτο λεγεις η αλλοι ειπον σοι περι εμου					
3	σοι περι εμου ειπον						
1424							
Z	DEF						
P52	P59	P90	P108	05	011s	047	27
179	274s	283	335	405	416	475s	546
573	649	657	711	731s	748	766	771
781	798	863	888	892s	926	930	940
947	1131	1182	1273	1293	1343	1344	1349
1560	1571	1590	1638	1712	1803	1804	2177
2179	2188	2290	2316	2372	2414	2418	2452
2467	2517	2567	2632	2634	2649	2679	2717
2722	2726						
=====							

■ 319 18, 34/24-26 η αλλοι ειπον σοι  
περι εμου

1/2 περι εμου

61c 345c 2446c1

1/2-f1 περι εμου εμου

61\*

1/2-f2 περι εμο

672

1/2-f3 περι εμου απε εμου

2666

1/2-f4 περι [3-4]υ

2446\*

3 περι εμων

345\*

4 OM

1571s

Z DEF

P52	P59	P60	P90	P108	05	011s	047
27	179	274s	283	335	405	416	475s
546	573	649	657	711	731s	743	748
766	771	781	798	863	888	892s	926
930	940	947	962	1131	1143	1182	1273
1293	1343	1344	1349	1560	1571	1590	1638
1712	1803	1804	2177	2179	2188	2290	2307
2316	2372	2414	2418	2452	2467	2517	2567
2632	2634	2649	2679	2717	2722	2726	

■ 320 18, 35/2-6

απεκριθη ο Πιλατος  
μητι εγω Ιουδαιος ειμι

1/2	απεκριθη ο πιλατος						
137c	530*	963c	973c	1250c	1567c*	1622sc	
1/2-f1	απεκριθη ο πιλατις						
680							
1/2-f2	αποκριθη ο πιλατος						
1820							
1/2-f3	απεκριθη ο ιησους η βασιλεια η εμη πιλατος						
1622s*							
3	απεκριθη πιλατος						
56	58	137*	195	534	538	827	1203
1312	1567*	2641					
4	απεκριθη αυτω ο πιλατος						
6	16	124	126	152	164	184	192
211	273s	275	280	315	348	359	370
393	412	477	492	497	501	502	509
513	514	530c	554	555	661	683	723
741	742	744	755	772	817	818	819
829	833	836	841	855	856	857	881
886	887	889	891	892	943	949	963*
977	1021	1043	1044	1135	1160	1185	1188
1216	1243	1262	1279	1317	1336	1447	1506
1509	1515	1528	1534	1541	1565	1574	1579
1585	1613	1639	1692	2174	2192	2206	2367
2470	2478	2715	2735	2786			
4-f1	ααπεκριθη αυτω ο πιλατος						
1301							
5	απεκριθη αυτοις ο πιλατος						
1053							
6	απεκριθη ο πιλατος και ειπεν						
651	725	1009	1402	1549	2146	2295	
7	απεκριθη ο πιλατος και ειπεν αυτω						

1531	1788	2291	2387	2611			
9	απεκριθη αυτω ο ιησους						
1250*							
10	ΟΜ						
445	745	1017					
W-f	απεκριθη ο ιησους (και) ειπεν ο πιλατος						
792							
W4/5	απεκριθη [3-4] ο πιλατος						
973*							
W6/7	απεκριθη ο πιλατος [3]						
2586							
Z	DEF						
P52	P59	P60	P66	P90	P108	05	011s
047	0290	27	179	274s	283	335	405
416	475s	515	546	573	649	657	711
731s	748	766	771	781	798	863	888
892s	926	930	940	947	1131	1182	1273
1293	1343	1344	1349	1560	1564	1569	1571
1590	1638	1712	1803	1804	2177	2179	2188
2290	2307	2316	2372	2414	2418	2452	2467
2517	2567	2632	2634	2649	2679	2717	2722
2726							

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■ 321 18, 35/8 απεκριθη ο Πιλατος  
μητι  
εγω Ιουδαιος ειμι

1/2 μητι  
01Cca 1582c

1/2-f1 μητις  
1202



3	μη						
01*	032	1	209	565	1582*	2148	2702
2713	2886						

4 μη γαρ

P66

Z	DEF						
P52	P59	P90	P108	05	011s	047	27
179	274s	283	335	405	416	475s	515
546	573	649	657	711	731s	748	766
771	781	798	863	892s	926	930	940
947	1131	1143	1182	1273	1293	1343	1344
1349	1421	1560	1571	1590	1638	1712	1803
1804	2177	2179	2188	2290	2307	2316	2372
2414	2418	2452	2467	2517	2567	2632	2634
2649	2679	2717	2722	2726			

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■	322	18, 35/10-14	απεκριθη ο Πιλατος μητι εγω Ιουδαιος ειμι το εθνος το σον
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1/2 εγω ιουδαιος ειμι

2311c

1/2-f1 εγω ιουδαι ειμι

2311\*

1/2-f2 εγω ιουδαιος ειμι

1247 1547

1/2-f3 εγω ειμι

2616

1/2-f4 εγω ιουδαιος ειμι εγω

1439

3 ιουδαιος εγω ειμι

817	1702						
4	ιουδαιος ειμι						
48	525	1297					
Z	DEF						
P52	P59	P90	P108	05	011s	047	27
179	274s	283	335	405	416	475s	546
573	649	657	711	731s	748	766	771
781	798	863	892s	926	930	940	947
1131	1143	1182	1273	1293	1343	1344	1349
1560	1571	1590	1638	1712	1803	1804	2177
2179	2188	2290	2307	2316	2372	2414	2418
2452	2467	2517	2567	2632	2634	2649	2679
2717	2722	2726					

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■ 18, 35/16-22 μητι εγω Ιουδαιος ειμι  
το εθνος το σον  
και οι αρχιερεις παρεδωκαν σε εμοι

1/2-f1 το εθνος τον σον

836

1/2-f2 το εθνο το σον

1241

1/2-f3 το ηθνος το σον

2482

1/2-f4 το εθνος το εσον

124 346 788 826 828 2314

1/2-f5 το σον

1546

Z DEF

P52	P59	P90	P108	05	011s	047	087
0290	27	179	274s	283	335	405	416
475s	514	546	573	649	657	711	731s

748	766	771	781	798	863	892s	926
930	940	947	1131	1143	1182	1273	1293
1343	1344	1349	1560	1564	1571	1590	1638
1712	1803	1804	2177	2179	2188	2290	2307
2316	2372	2414	2418	2452	2467	2517	2567
2632	2634	2649	2679	2717	2722	2726	
=====							

■ 18, 35/23 το εθνος το σον  
SINE ADD  
και οι αρχιερεις παρεδωκαν σε εμοι

1/2 SINE ADD

169c

W ADD [9]

169\*

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■ 323 18, 35/24-28 το εθνος το σον  
και οι αρχιερεις  
παρεδωκαν σε εμοι

1/2 και οι αρχιερεις

01Cca

1/2-f1 και οι αρχιερεις

1243

3 και αρχιερεις

05s 2478

4 και ο αρχιερευς

01\*

5 και οι αρχοντες

841

6 OM

2747

W1/4 και οι αρχιερευσ

1546

W1/2/5 και οι α[ρχιερεις]

P66

Z DEF

P52	P59	P60	P90	P108	05	011s	047
0290	27	179	274s	283	335	405	416
475s	546	573	649	657	711	731s	748
766	771	781	798	863	892s	926	930
940	947	1131	1182	1273	1293	1343	1344
1349	1560	1571	1590	1638	1712	1803	1804
2177	2179	2188	2290	2316	2372	2414	2418
2452	2467	2517	2567	2632	2634	2649	2679
2717	2722	2726					

■ 324 18, 35/30 οι αρχιερεις  
παρεδωκαν  
σε εμοι

3 παραδεδωκαν

0109

Z DEF

P52	P59	P60	P90	P108	05	011s	047
27	179	274s	283	335	405	416	475s
546	573	649	657	711	731s	748	766
771	781	798	863	892s	926	930	940
947	1131	1143	1182	1273	1293	1343	1344
1349	1558	1560	1564	1571	1590	1638	1712
1803	1804	2177	2179	2188	2290	2316	2372
2414	2418	2452	2467	2517	2567	2632	2634
2649	2679	2717	2722	2726			

■ 325 18, 35/32 οι αρχιερεις παρεδωκαν  
σε  
εμοι τι εποιησας

1/2 σε

1299c	2608c						
1/2-f1	σοι						
4	24	32	71	125	131	143	156
185	213	217	237	261	269	331	489
508	519	578	664	679	683	684	745
760	780	790	792	841	895	982	1000
1008	1050	1074	1172s	1185	1188	1222	1229
1242	1285	1299*	1364	1398	1413	1446	1541
1558	1579	1663	1686	1692	1780	1784s	1797
2147	2172*	2404	2407	2521	2533	2561	2608*
2623	2643	2661	2670	2686	2695	2713	2766
2812							
1/2-f2	σοι σε						
230							
5	OM						
1321	2172c						
Z	DEF						
P52	P59	P60	P90	P108	05	011s	047
0290	27	179	274s	283	335	405	416
475s	546	573	649	657	711	731s	748
766	771	781	798	863	892s	926	930
940	947	1119	1131	1143	1182	1273	1293
1343	1344	1349	1560	1571	1590	1638	1712
1803	1804	2177	2179	2188	2290	2307	2316
2372	2414	2418	2452	2467	2470	2517	2567
2632	2634	2649	2679	2717	2722	2726	
=====							

18, 35/34
οι αρχιερείς παρεδωκαν σε  
εμοι  
τι εποιησας

1/2
εμοι  
2406c\*  
1/2-f1
εμοι εμοι  
2643

1/2-f2 ομοι

2406\*

1/2-f3 εμε

538

=====

■ 326 18, 35/36-38 παρεδωκαν σε εμοι  
τι εποιησας

1/2 τι εποιησας

1216c 2760c

1/2-f1 τι εποιησας

1096 1216\*

1/2-f2 τι πεποιησας

878

3 τι

2760\*

4 OM

1139 2643

Z DEF

P52	P59	P60	P90	P108	05	011s	047
087	27	179	274s	283	335	405	416
475s	546	573	649	657	711	731s	748
766	771	781	798	863	888	892s	926
930	940	947	1131	1182	1273	1293	1343
1344	1349	1560	1571	1590	1638	1712	1803
1804	2177	2179	2188	2290	2307	2316	2372
2414	2418	2452	2467	2517	2567	2632	2634
2649	2679	2717	2722	2726			

=====

■ 327 18, 36/2-4

απεκριθη Ιησους

η βασιλεια η εμη ουκ εστιν

1/2 απεκριθη ιησους

75\* 80\* 377\* 896c 1436c 2247c 2426\*

3 απεκριθη ο ιησους

022	037	6	13	33	37	69	75c
80c1	116	124	125	129	131	138	142
143	152	164	168	228	239	282	289
296	346	348	357	374	377c*	428	431
440	472	496	501	519	525	543	555
579s	595	652	698	705	723	724	743
744	772	782	784	788	790	792	807
811	826	828	843	873	878	884	891
892	896*	904	937	949	951	956	963
988	992	1001	1005	1017	1044	1049	1054s
1064	1086	1087	1089	1093	1096	1167	1200s
1213	1217	1220	1226	1239	1242	1263	1268
1294	1301	1303	1325	1326	1342	1359	1387
1387s	1393	1434	1436*	1455	1473	1506	1512
1519	1532	1534	1555	1570	1571s	1593	1602
1622s	1625	1629	1640	1644	1654	1666	1697
1797	1802	1966	2107	2136	2137	2148	2172
2192	2213	2217	2229	2247*	2252	2282s	2290s
2397	2407	2422	2426c	2497	2509	2561	2604
2611	2612	2633	2637	2643	2658	2661	2679s
2680	2693s	2708	2718	2737	2758s	2810	2813

4 απεκριθη ιησους και ειπεν

1037 2214 2709 2786

5 απεκριθη αυτω ο ιησους

273s

6 απεκριθη

1059

7 OM

2411

Z DEF

P52	P59	P60	P90	P108	05	011s	047
087	0290	27	179	274s	283	333	335
405	416	475s	546	573	649	657	711
731s	748	766	771	781	798	863	888
892s	926	930	940	947	1119	1131	1143
1182	1273	1293	1343	1344	1349	1421	1558
1560	1571	1590	1638	1712	1803	1804	2177
2179	2188	2290	2316	2372	2414	2418	2442
2452	2467	2517	2567	2632	2634	2649	2676
2679	2717	2722	2726				

■ 18, 36/6 απεκριθη Ιησους  
η  
βασιλεια η εμη ουκ εστιν

1/2-f1 η η

710

■ 328 18, 36/8-12 απεκριθη Ιησους η  
βασιλεια η εμη  
ουκ εστιν εκ του κοσμου τουτου

1/2 βασιλεια η εμη

293c 1059c 1546c\* 2524c 2591c

1/2-f1 βασιληα η εμη

1802

1/2-f2 βασολεια η εμη

2476

1/2-f3 βασιλει η εμοι

1546\*

1/2-f4 βασιλει η εμη

1059\*

1/2-f5 βασιλεια η μη

293\*



1/2-f6 βασιλεια η ε

2524\*

3 βασιλεια εμη

1355 2591\*

3-f1 βασιληα εμη

1571s

4 εμη βασιλεια

01 1342

w1/2/3 βασι[λεια η εμη]

P66

Z DEF

P52	P59	P60	P90	P108	05	011s	047
087	0109	0290	27	179	274s	283	335
405	416	475s	546	573	649	657	711
731s	748	766	771	781	798	863	892s
926	930	940	947	1131	1182	1273	1293
1343	1344	1349	1560	1571	1590	1638	1712
1803	1804	2177	2179	2188	2290	2307	2316
2372	2399	2414	2418	2442	2452	2467	2517
2567	2632	2634	2649	2676	2679	2717	2722
2726							

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■ 329 18, 36/14-44 η βασιλεια η εμη  
ουκ εστιν ... η βασιλεια η εμη  
οι υπηρεται οι εμοι

1/2 ουκ εστιν ... βασιλεια η εμη

1137c 1788c\* 1808c 2575c

3 OM

1137\* 1788\* 1808\* 2575\*

Z DEF

P52	P59	P90	P108	05	011s	047	087
27	179	274s	283	335	405	416	475s
546	573	649	657	711	731s	748	766
771	772	781	798	863	892s	926	930
940	947	1131	1182	1293	1343	1344	1349
1560	1571	1590	1638	1712	1803	1804	2177
2179	2188	2290	2316	2372	2414	2418	2442
2452	2467	2517	2567	2632	2634	2649	2676
2679	2717	2722	2726	2908			

■ 330 18, 36/14 η βασιλεια η εμη  
ουκ  
εστιν εκ του κοσμου τουτου

1/2 ουκ

1137c 1788c\* 1808c 2575c

3 ου

2608

Z DEF

P52	P59	P60	P66	P90	P108	05	011s
047	087	0290	27	179	274s	278	283
335	405	416	475s	546	573	649	657
711	731s	748	766	771	772	781	798
863	892s	926	930	940	947	1131	1137*
1143	1182	1273	1293	1343	1344	1349	1560
1571	1590	1638	1712	1788*	1803	1804	1808*
2177	2179	2188	2290	2307	2316	2372	2399
2414	2418	2442	2452	2467	2517	2567	2575*
2632	2634	2649	2676	2679	2717	2722	2726
2908							

■ 331 18, 36/18-24 η βασιλεια η εμη ουκ εστιν  
εκ του κοσμου τουτου  
ει εκ του κοσμου τουτου

1/2 εκ του κοσμου τουτου

287c 1088c\* 1137c 1783c 1788c\* 1808c 2575c

1/2-f1 εκ του κοσμου τουτου

1352



1/2-f1	ει [3] εκ του κοσμου τουτου ην η βασιλεια η εμη
2561*	
1/2-f2	ει εκ του κοσμου τουτου ει εκ του κοσμου τουτου ην η βασιλεια η εμη
1011*	
1/2-f3	ει εκ του κοσμου τουτου ην η βασιλεια η βασιλεια η εμη
1652*	
1/2-f4	ει κ του κοσμου τουτου ην η βασιλεια η εμη
232*	563      577      1802*
1/2-f5	ει εκ τουτου κοσμου τουτου ην η βασιλεια η εμη
582*	
1/2-f6	ει εκ του κοσ τουτου ην η βασιλεια η εμη
1247*	2426*
1/2-f7	ει εκ του κοσμου σμου τουτου ην η βασιλεια η εμη
522	
1/2-f8	ει εκ του κοσμου του ην η βασιλεια η εμη
1319	
1/2-f9	ει εκ του κοσμου τουτο ην η βασιλεια η εμη
1534c	
1/2-f10	ει εκ του κοσμου τουτου ην βασιλεια η εμη
045*	1571s
1/2-f11	ει εκ του κοσμου τουτου ην η βαλεια η εμη
1171	
1/2-f12	ει εκ του κοσμου τουτου ην η βασολεια η εμη
2476	

1/2-f13	ει εκ του κοσμου τουτου ην η βασιλεια η εμοι							
851	2109*							
1/2-f14	ει εκ του κοσμου τουτου ην η βασιλεια η μη							
2397								
3	εκ του κοσμου τουτου ην η βασιλεια η εμη							
2406								
4	ην η βασιλεια η εμη							
129	292	677	827	833	1081	1128	1135	
1248	1357*	2346*	2605	2708				
4-f1	ην η βασιλεια η εμοι							
346								
5	OM							
17	30	70	120	287	745	880	2884	
6	ει η βασιλεια η εμη							
229*								
7	ει εκ του κοσμου τουτου ην							
1816	2728							
8	ει εκ τουτου ην η βασιλεια η εμοι							
1269								
9	ει εκ του τουτου ην η βασιλεια η εμη							
552								
10	ει εκ του κοσμου ην η βασιλεια η εμη							
288	423	527	808	818	2900			
11	ει εκ του κοσμου τουτου η βασιλεια η εμη ην							

1289							
12	ει εκ του κοσμου τουτου η εμη βασιλεια ην						
1451	2528						
13	ει εκ του κοσμου τουτου ην η εμη βασιλεια						
01	05s	022	038	0211	73	112	124
233	508	583	731	776	1050	1093	1195
1230	1446	1455	1589	1646c*	1666	2106	2145
2394	2613	2620	2661	2680			
14	ει ην εκ του κοσμου τουτου η βασιλεια η εμη						
032	1654						
15	ει εκ του κοσμου τουτου η βασιλεια ην η εμη						
248	1393						
16	ει εκ του κοσμου η βασιλεια η εμη						
2422							
17	ει εκ του κοσμου τουτου η βασιλεια η εμη						
784	2446*						
17-f1	ει εκ του κοσμου τουτο η βασιλεια η εμη						
1534*							
17-f2	ει εκ του κοσμου τουτου η βασιλεια η εμην						
968							
18	ει εκ του κοσμου τουτου ην η βασιλεια εμη						
480*	1335						
19	ει εκ του κοσμου τουτου ην βασιλεια εμη						
2747*							
20	ει εκ του κοσμου τουτου ην η βασιλεια μου						
1060							

21 ει εκ του κοσμου τουτου ην η βασιλεια

1646\*

W [... βασι]λεια η εμ[η]

P90

W [...κ]οσμου ην η [...]

P66

W ει εκ το[υ κοσμου του]του ην η βα[σιλεια η εμη]

P60

Z DEF

P52	P59	P108	04	05	011s	047	054
087	0290	27	179	274s	283	286	333
335	345	350	405	416	475s	514	546
573	649	657	711	731s	748	766	771
772	781	798	863	892s	926	930	940
947	1119	1131	1137*	1143	1182	1198*	1273
1293	1343	1344	1349	1404	1421	1540	1558
1560	1571	1590	1638	1712	1788*	1803	1804
1808*	2177	2179	2188	2290	2316	2372	2414
2418	2442	2452	2467	2517	2567	2575*	2632
2634	2649	2676	2679	2717	2722	2726	2908

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■ 18, 36/36-52 ει εκ του κοσμου τουτου  
ην η βασιλεια η εμη οι υπηρεται οι εμοι  
ηγωνιζοντο αν ινα μη παραδοθω

V OM

286

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■ 333 18, 36/46-78 ει εκ του κοσμου τουτου  
ην η βασιλεια ... δε η βασιλεια η εμη  
ουκ εστιν εντευθεν

3 OM

600

Z	DEF						
P52	P59	P108	04	05	011s	047	087
27	179	274s	283	335	405	416	475s
546	573	649	657	711	731s	748	766
771	772	781	798	863	892s	926	930
940	947	1131	1182	1293	1343	1344	1349
1540	1560	1571	1590	1638	1712	1803	1804
2177	2179	2188	2290	2316	2372	2414	2418
2442	2452	2467	2517	2567	2632	2634	2649
2676	2679	2717	2722	2726	2908		

■ 334 18, 36/46-54 ην η βασιλεια η εμη  
οι υπηρεται οι εμοι ηγωνιζοντο αν  
ινα μη παραδοθω τοις Ιουδαιοις

1/2 οι υπηρεται αν οι εμοι ηγωνιζοντο

1152c

3 ηγωνιζοντο αν οι υπηρεται οι εμοι

1646

4 ηγωνιζοντο

851 1152\*

Z	DEF						
P52	P59	P66	P90	P108	04	05	011s
047	087	27	179	274s	283	286	335
403	405	416	475s	546	573	600	649
657	711	731s	748	766	771	772	781
798	863	892s	926	930	940	947	1131
1182	1273	1293	1343	1344	1349	1540	1560
1571	1590	1638	1712	1803	1804	2177	2179
2188	2290	2316	2372	2414	2418	2442	2452
2467	2517	2567	2632	2634	2649	2676	2679
2717	2722	2726	2908				

■ 335 18, 36/46-48 ην η βασιλεια η εμη  
οι υπηρεται  
οι εμοι ηγωνιζοντο

1/2 οι υπηρεται



530c	1076c	1152c	1198c	2693sc			
1/2-f1	οι πηρεται						
1076*							
1/2-f2	ο υπηρεται						
1577							
1/2-f3	οι υπερεται						
1348	1692	2643					
1/2-f4	οι υπηρηται						
530*							
1/2-f5	οι υπηραι						
2693s*							
3	υπηρεται						
1122							
4	και οι υπηρεται						
01							
5	ου						
503							
Z	DEF						
P52	P59	P60	P66	P90	P108	04	05
011s	047	087	0290	27	179	274s	283
286	335	403	405	416	475s	546	573
600	649	657	711	731s	748	766	771
772	781	798	851	863	892s	926	930
940	947	1131	1152*	1182	1198*	1273	1293
1343	1344	1349	1540	1560	1571	1590	1638
1712	1803	1804	2177	2179	2188	2290	2307
2316	2372	2414	2418	2442	2452	2467	2517
2567	2632	2634	2649	2676	2679	2717	2722
2726	2908						
=====							

■ 336 18, 36/49 οι υπηρεται  
SINE ADD  
οι εμοι ηγωνιζοντο αν

1/2 SINE ADD

486c 1152c 1198c

3 ADD η εμη

486\*

Z DEF

P52	P59	P60	P90	P108	04	05	011s
047	087	27	179	274s	283	286	335
403	405	416	475s	546	573	600	649
657	711	731s	748	766	771	772	781
798	851	863	888	892s	926	930	940
947	1131	1143	1152*	1182	1198*	1273	1293
1343	1344	1349	1467	1540	1560	1571	1590
1638	1712	1803	1804	2177	2179	2188	2290
2316	2372	2414	2418	2442	2452	2467	2517
2567	2632	2634	2649	2676	2679	2717	2722
2726	2908						

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■ 337 18, 36/50-56 οι υπηρεται  
οι εμοι ηγωνιζοντο αν  
ινα μη παραδοθω τοις Ιουδαιοις

1 αν οι εμοι ηγωνιζοντο

07*	121c*	186c1	504c	523c	595c*	993c*	1011c
1152c	1357c	2561c					

1-f1 αν οι οι εμοι ηγωνιζοντο

2606

1-f2 αν η εμοι ηγωνιζοντο

59

1-f3 αν οιν εμοι ηγωνιζοντο

2422

1-f4	αν οι εμε ηγωνιζοντο						
1567							
1-f5	αν οι εμ ηγωνιζοντο						
121*							
1-f6	αν οι εμοι ηγονισαντο						
780	1424	1593	1675	2430			
1-f7	αν οι εμοι ηγωνιζοτο						
05s							
1-f8	αν οι εμοι ηγωιζοντο						
595*							
1-f9	αν οι εμοι εγωνιζοντο						
1081	1808						
1-f10	αν οι εμοι ηγονιζον						
1357*							
1-f11	αν οι εμοι ηγωνισοντο						
2191							
1-f12	αν οι εμοι ηγονηζωντο						
680							
1-f13	αν οι εμοι ηγονιζονο						
1691							
1-f14	αλλ οι εμοι ηγωνιζοντο						
538							
2	οι εμοι ηγωνιζοντο αν						
P60	01	03c3	019	032	033	044	0109
1	13	33	69	124	151	213	286

299	317	333	346	397	423	543	579s
732	743	788	826	828	865	874	878
1071	1263	1313	1321	1582	1654	1819	1820
2129	2524	2561*	2737				
2-f1	οι εμοι εγωνιζοντο αν						
168							
3	οι εμοι ηγωνιζοντο						
03*	412	529	713	861	1185	1541	1577
4	οι εμοι αν ηγωνιζοντο						
1816							
5	αν οι εμοι ηγωνιζοντο συν εμοι						
1089							
6	αν οι εμοι						
07c							
7	αν εμοι ηγωνιζοντο						
43	64	144s	186*	281	504*	523*	686
993*	1008	1009	1122	1393	1449	1671	2106
2112	2244	2487	2603	2766			
7-f1	αν εμοι ηγωνησαντο						
48							
8	εμοι αν ηγωνιζοντο						
2661							
9	αν ηγωνιζοντο						
1011*	2420						
10	αν οι εμοι ηγωνιζοντο αν						
710	1021						
w2/3/4	οι ε[μοι ...]						

P66

W1/7      αν [οι] ε[μοι ηγωνι]ζοντο

2192

Z            DEF

P52	P59	P90	P108	04	05	011s	047
087	27	179	274s	283	335	350	403
405	416	475s	546	573	600	649	657
711	731s	748	766	771	772	781	798
851	863	888	892s	926	930	940	947
1119	1131	1143	1152*	1182	1273	1293	1343
1344	1349	1421	1467	1540	1558	1560	1571
1590	1638	1712	1803	1804	2177	2179	2188
2290	2316	2372	2414	2418	2442	2452	2467
2517	2567	2632	2634	2649	2676	2679	2717
2722	2726	2908					

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■            18, 36/58            ηγωνιζοντο αν  
   ινα  
   μη παραδοθω τοις Ιουδαιοις

1/2-f1      ια

406

=====

■    338            18, 36/60            ηγωνιζοντο αν ινα  
   μη  
   παραδοθω τοις Ιουδαιοις

1/2            μη

380c        809c1    2524\*

1/2-f1        μ[1]

2524c

3            OM

380\*        554        581        809\*        1204

Z            DEF

P52	P59	P60	P66	P90	P108	04	05
011s	047	087	27	179	274s	283	335
350	403	405	416	475s	546	573	600
649	657	711	731s	748	766	771	772
781	798	863	892s	926	930	940	947
993	1131	1182	1273	1293	1343	1344	1349
1467	1540	1560	1571	1590	1638	1712	1803
1804	2177	2179	2188	2290	2307	2316	2372
2414	2418	2442	2452	2467	2517	2567	2632
2634	2649	2676	2679	2717	2722	2726	2908

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■	18, 36/62	ηγωνιζοντο αν ινα μη παραδοθω τοις Ιουδαιοις				
1/2	παραδοθω					
61c	183*	264c	668c	959c	1059c	
1/2-f1	παραδοθωσι					
780						
1/2-f2	παραδοδω					
1059*						
1/2-f3	παραδοδο					
61*						
1/2-f4	ΟΜ					
183c						
1/2-f5	περιδοθω					
1262						
1/2-f6	παραδω					
05s	69	296	668*	752	830	
1/2-f7	παραθω					
264*	959*	2584				



■	18, 36/66	παραδοθω τοις Ιουδαιois					
1/2-f1	οιουδαιois						
1571s	2810						
1/2-f2	ιουδαιoi						
513							
1/2-f3	ιουδαις						
05s							
1/2-f4	ιδαιois						
017							
=====							
■ 340	18, 36/68-84	παραδοθω τοις Ιουδαιois νυν δε η βασιλεια η εμη ουκ εστιν εντευθεν					
1/2	νυν δε ... εντευθεν						
440c							
3	OM						
162	440*						
Z	DEF						
P52	P59	P60	P108	04	05	011s	047
087	0290	27	79	179	274s	335	403
416	475s	546	573	649	711	731s	748
766	771	772	781	798	863	892s	926
930	940	947	1131	1182	1293	1343	1344
1349	1467	1540	1560	1571	1590	1638	1712
1803	1804	2177	2179	2188	2290	2316	2372
2414	2418	2442	2452	2467	2517	2567	2632
2634	2649	2676	2679	2722	2726	2908	
=====							
■ 341	18, 36/68-70	παραδοθω τοις Ιουδαιois νυν δε η βασιλεια η εμη ουκ εστιν εντευθεν					



1/2 νυν δε

440c

1/2-f1 ναυ δε

982

1/2-f2 νυν δε ημας

423

3 νυν

231 1047s 1086 1402 1506

4 νυν ουν

282 1053

5 OM

2766

Z DEF

P52	P59	P60	P90	P108	04	05	011s
047	087	0109	0290	27	79	162	179
274s	335	350	403	416	440*	475s	514
546	573	600	649	711	731s	748	766
771	772	781	798	863	892s	926	930
940	947	1131	1182	1293	1343	1344	1349
1467	1540	1558	1560	1571	1590	1638	1712
1803	1804	2177	2179	2188	2290	2316	2372
2414	2418	2442	2452	2467	2517	2567	2632
2634	2649	2676	2679	2722	2726	2908	

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■ 342 18, 36/72-78 νυν δε  
η βασιλεια η εμη  
ουκ εστιν εντευθεν

1/2 η βασιλεια η εμη

286c 440c 1513c

1/2-f1 βασιλεια η εμη

1120	2711						
1/2-f2	η βασιλει η εμη						
59							
1/2-f3	η βασελεια η εμη						
286*							
1/2-f4	η βασολεια η εμη						
2476							
1/2-f5	η βασιλεια η ε εμη						
1317							
1/2-f6	η βασιλεια εμη						
1513*	2399	2561c					
3	η εμη βασιλεια						
01	106	1589	1654	2223	2561*	2680	
4	η βασιλεια						
1053	1797						
w1/2/4	η βασιλι[α η εμη]						
P66							
Z	DEF						
P52	P59	P60	P108	04	05	011s	047
087	0290	27	79	162	179	274s	333
335	350	403	416	440*	475s	546	573
600	649	711	731s	748	766	771	772
781	798	863	892s	926	930	940	947
1131	1182	1293	1343	1344	1349	1421	1467
1540	1560	1571	1590	1638	1712	1803	1804
2177	2179	2188	2290	2316	2372	2414	2418
2442	2452	2467	2470	2517	2567	2632	2634
2649	2676	2679	2722	2726	2908		
=====							

■ 343 18, 36/80-82 νυν δε η βασιλεια η εμη  
ουκ εστιν  
εντευθεν

1/2 ουκ εστιν

440c 2863c

3 ουκ

2863\*

4 OM

2749

Z DEF

P52	P59	P60	P66	P90	P108	04	05
011s	047	087	0290	27	79	162	179
274s	335	403	416	440*	475s	546	573
649	711	731s	748	766	771	772	781
798	863	892s	926	930	940	947	1041
1131	1182	1293	1343	1344	1349	1467	1540
1560	1571	1590	1638	1712	1803	1804	2177
2179	2188	2290	2316	2372	2414	2418	2442
2452	2467	2470	2517	2567	2632	2634	2649
2676	2679	2722	2726	2908			

■ 344 18, 36/84 η βασιλεια η εμη ουκ εστιν  
εντευθεν

1/2 εντευθεν

440c 743\*

1/2-f1 ευθεν

1128

3 ενταυθα

694 743c 1021

3-f1 εντευθα

939

4                   εκ των εντευθεν

1317

5                   εκ του κοσμου τουτου

580               747           2715           2905

Z                   DEF

P52	P59	P60	P90	P108	04	05	011s
047	087	0109	0290	27	79	162	179
274s	335	350	403	416	440*	475s	514
546	573	649	711	731s	748	766	771
772	781	798	863	892s	926	930	940
947	1041	1131	1182	1293	1343	1344	1349
1467	1540	1560	1571	1590	1638	1712	1803
1804	2177	2179	2188	2192	2290	2316	2372
2414	2418	2442	2452	2467	2470	2517	2567
2632	2634	2649	2676	2679	2722	2726	2908

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■                   18, 37/2

ειπεν  
ουν αυτω ο Πιλατος

1/2               ειπεν

1626c

1/2-f1           ειπον

1626\*

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■    345           18, 37/4

ειπεν  
ουν  
αυτω ο Πιλατος

1/2               ουν

126c

1/2-f1           ουν ειπεν ουν

861

3	OM						
126*	486	672	752	1267	1319	1813	
Z	DEF						
P52	P59	P60	P66	P108	04	05	011s
047	087	0290	27	79	179	274s	335
350	403	416	475s	546	573	649	711
731s	748	766	771	772	781	798	863
892s	926	930	940	947	1041	1131	1143
1182	1293	1343	1344	1349	1467	1540	1560
1571	1590	1638	1712	1803	1804	2177	2179
2188	2290	2316	2372	2414	2418	2452	2467
2517	2567	2632	2634	2649	2676	2679	2722
2726	2908						

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■ 346 18, 37/6-12 ειπεν ουν  
αυτω ο Πιλατος ουκουν  
βασιλευς ει συ

3	OM						
2900							
Z	DEF						
P52	P59	P60	P108	04	05	011s	047
087	27	79	179	274s	335	403	416
475s	546	573	649	711	731s	748	766
771	772	781	798	863	892s	926	930
940	1041	1131	1182	1293	1343	1344	1349
1435	1467	1540	1560	1571	1590	1638	1712
1803	1804	2177	2179	2188	2290	2316	2372
2414	2418	2452	2467	2517	2567	2632	2634
2649	2676	2679	2722	2726	2908		

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■ 347 18, 37/6-10 ειπεν ουν  
αυτω ο Πιλατος  
ουκουν βασιλευς ει συ

1/2	αυτω ο πιλατος						
419c	790c*	993c*	1335c	1533c	1562c*	2185c	2496c

1/2-f1	αυτω ο πιλατος {ουκουν} αυτω ο πιλατος						
2496*							
1/2-f2	αυτω ο πιλατος						
419*							
3	αυτω πιλατος						
27s	28	262	569	945	1229	1317	1392
1547	1570	2100	2142	2244	2616		
4	ο πιλατος αυτω						
1786	2633						
5	ο πιλατος						
114	164	178	201	415	522	525	577
741	780	790*	899	906	993*	1004	1086
1148	1301	1324	1333	1335*	1421	1533*	1555
1562*	1569	1630	1700	2185*	2322	2454	2586
6	αυτοις ο πιλατος						
4	13	31	2328				
W1/2/3	αυτω [ο π]ε[ιλατος]						
P90							
Z	DEF						
P52	P59	P60	P66	P108	04	05	011s
047	087	0290	27	79	179	274s	335
403	416	475s	546	573	649	711	731s
748	766	771	772	781	798	863	892s
926	930	940	947	1041	1131	1182	1293
1343	1344	1349	1435	1467	1540	1560	1571
1590	1638	1712	1803	1804	2177	2179	2188
2290	2316	2372	2414	2418	2452	2467	2517
2567	2632	2634	2649	2676	2679	2722	2726
2900	2908						
=====							

■ 348 18, 37/12-38/8 ειπεν ουν αυτω ο Πιλατος  
ουκουν βασιλευς ... 38 λεγει αυτω ο Πιλατος  
τι εστιν αληθεια

3 OM

2411

Z DEF

P59	P108	04	05	011s	047	087	27
79	179	274s	335	403	416	546	573
649	711	731s	748	766	771	772	781
798	863	892s	926	930	940	976	1041
1131	1182	1293	1343	1344	1349	1435	1467
1540	1560	1571	1590	1638	1712	1803	1804
2177	2179	2188	2290	2316	2372	2414	2418
2467	2517	2567	2632	2634	2649	2679	2722
2726	2908						

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■ 18, 37/12 ειπεν ουν αυτω ο Πιλατος  
ουκουν  
βασιλευς ει συ

1/2 ουκουν

555c 1005c

1/2 ουκ[2]

1005\*

1/2-f1 υ[κο]υν

P66

1/2-f2 ου ουκουν

1555

1/2-f3 ουν ουκουν

555\*

=====

■ 18, 37/14 ουκουν  
βασιλευς  
ει συ απεκριθη ο Ιησους

1/2 βασιλευς

165c\*

1/2 βασι[1]ευς

165\*

1/2-f1 ασιλευς

16

1/2-f2 βαστολευς

2476

=====

■ 18, 37/16-36 ουκουν βασιλευς  
ει συ απεκριθη ο Ιησους συ λεγεις οτι βασιλευς ειμι εγω  
εις τουτο γεγεννημαι

1/2-f1 ει συ απεκριθη ιησους συ λεγεις οτι βασιλευς ειμη εγω

345c

υ ειμ[ι εγω]

345\*

=====

■ 349 18, 37/16-18 ουκουν βασιλευς  
ει συ  
απεκριθη ο Ιησους

1/2 ει συ

345c 881c\* 1088c 2426c

1/2-f1 ει συ [20-30]

2426\*

3 συ ει

P90 2561

4 συ



881*	1088*						
5	ει						
2658							
Z	DEF						
P52	P59	P60	P66	P108	04	05	011s
047	087	27	79	179	274s	335	345*
376	403	416	475s	514	546	573	649
711	731s	748	766	771	772	781	798
863	892s	926	930	940	976	1041	1077
1131	1182	1293	1343	1344	1349	1435	1467
1540	1560	1571	1590	1638	1712	1803	1804
2177	2179	2188	2290	2316	2372	2411	2414
2418	2452	2467	2517	2567	2632	2634	2649
2679	2722	2726	2908				
=====							

■ 350 18, 37/20-24 ουκουν βασιλευς ει συ  
απεκριθη ο Ιησους  
συ λεγεις οτι βασιλευς ειμι εγω

1	απεκριθη ιησους						
78*	90*	126*	127*	131c	142c	345c	489*
595c*	645c	703*	875*	896*	1142*	1185c	1444*
1475*	1652*	2117*	2389*	2426*	2509*	2606c	

1-f1 απεκριθη ιησους απεκριθη ιησους  
471

1-f2 απεκρικριθη ιησους  
2656

2	απεκριθη ο ιησους						
01	02	03	05s	07	011	013	021
022	028	031s	034	038	039	041	045
054	0211	1	2	4	6	7	8
9	11	13	14	15	16	17	20
21	22	23	27s	28	29	30	34
39	44	46	48	52	54	60	65
68	69	70	73	74	78c	80	87
89	90c*	95	96	105	106	109	112

113	117	119	120	122	124	126 <sub>C</sub> *	127 <sub>C</sub>
133	134	135	142*	144 <sub>S</sub>	145	148	151
152	153	158	159	165	166	182	184
185	187	188	191	193	194	198	199
202	205	207	209	211	212	217	218
219	228	229 <sub>C</sub>	230	251	261	262	265
268	270	271	272	277	279	280	281
282	286	287	289	292	293	296	297
301	306	315	324	330	331	343	344 <sub>S</sub>
346	348	351	353	355	358	359	360
364	365	367	368	373	374	376	377
380	388	390	392	395	396	399	408
411	412	428	438	443	445	449	461
470	472	475	476	478	481	483	484
489 <sub>C</sub>	490	491	492	495	497	500	501
502	504	505	508	509	522	523	525
527	528	529	530	537	543	545	548
550	551	554	555	557	560	561	562
568	569	578	579 <sub>S</sub>	581	583	584	585
587	592	645*	652	653	655	656	660
661	666 <sub>S</sub>	672	677	679	680	682	684
686	688	690	694	697	699	700	703 <sub>C</sub>
706	707	713	716	719	720	723	724
726	727	728	729	732	736	741	742
743	744	749	752	754	761	765	768
773	775	776	777	779	780	782	783
786	787	788	792	796	799	801	807
808	809	818	826	827	828	829	833
834	835	841	851	854	855	857	861
865	875 <sub>C</sub>	880	886	891	892	896 <sub>C</sub>	899
900	901	903	931	934	937	942	949
954	956	963	965	974	977	980	991
993	995	998	999	1001	1005	1006	1007
1008	1009	1010	1012	1017	1021	1026	1034
1037	1054 <sub>S</sub>	1058	1063	1064	1073	1074	1076
1077	1078	1079	1081	1083	1084	1086	1090
1094	1113	1120	1121	1127	1142 <sub>C</sub>	1155	1157
1160	1163	1166	1171	1173	1187	1191	1195
1197	1198	1200 <sub>S</sub>	1201	1204	1205	1210	1212
1215	1216	1217	1218	1219	1220	1223	1225
1226	1227	1228	1229	1238	1239	1240	1242
1243	1252	1261	1266	1267	1273	1279	1285
1288	1289	1290	1291	1292	1295	1298	1299
1300	1301	1302	1303	1306	1310	1313	1314
1319	1325	1326	1335	1336	1341	1342	1345
1346	1347	1356	1357	1358	1365	1373	1375
1377	1385	1387	1387 <sub>S</sub>	1391	1392	1395	1397
1408	1410	1415	1418	1424	1425	1426	1428
1431	1434	1438	1439	1440	1444 <sub>C</sub>	1450	1452

1454	1455	1459	1460	1463	1475 <sub>c</sub> *	1478 <sub>s</sub>	1486
1495	1498	1502	1506	1511	1514	1528	1532
1533	1534	1536	1538	1542	1545	1546	1547
1554	1564	1570	1571 <sub>s</sub>	1573	1579	1582	1583
1585	1588	1589	1593	1594	1595	1597	1598
1602	1603	1605	1613	1622 <sub>s</sub>	1624	1626	1627
1629	1640	1644	1646	1654	1660	1666	1668
1672	1673	1675	1676	1677	1684	1685	1687
1690	1691	1693	1707	1780	1781	1784 <sub>s</sub>	1787
1790	1792	1797	1800	1802	1816	2098	2100
2107	2117 <sub>c</sub> *	2127	2133	2136	2137	2142	2145
2148	2172	2173	2181	2185	2192	2193	2200
2201	2206	2213	2214	2217	2224	2236	2238
2252	2265	2266	2280	2281	2282 <sub>s</sub>	2283	2290 <sub>s</sub>
2292	2297	2304	2315	2321	2324	2354	2356
2369	2371	2375	2386	2389 <sub>c</sub>	2394	2396	2397
2406	2415	2422	2426 <sub>c</sub>	2439	2442	2451	2462
2463	2465	2470	2474	2478	2494	2496	2497
2499	2500	2507	2509 <sub>c</sub>	2521	2523	2525	2526
2529	2535	2545	2549	2550	2555	2561	2563
2571	2586	2592	2603	2605	2612	2613	2616
2623	2624	2633	2637	2641	2643	2645	2679 <sub>s</sub>
2680	2685	2695	2702	2703	2708	2709	2713
2717	2724	2728	2735	2737	2749	2758 <sub>s</sub>	2760
2765	2775 <sub>s</sub>	2782	2783	2794	2804	2810	2860
2868	2884	2886	2894	2897	2900	2902	2907

3 απεκριθη αυτω ο ιησους

017	168	389	676	878	1263	1689	1819
1820	2106	2129					

4 απεκριθη αυτω ιησους

422

5 και απεκριθη ο ιησους

030

6 [α]πεκρ[ιθη] ιησους κ[α]ι ειπ[εν]

P66

7 απεκριθη

595\* 1652<sub>c</sub>

8 OM

131\* 229\* 538 1185\* 1663 2311

W1/2/3/4 απεκ[5-8]

2606\*

Z DEF

P52	P59	P90	P108	04	05	011s	047
087	27	79	179	274s	333	335	345*
350	403	405	416	475s	546	573	649
711	731s	748	766	771	772	781	798
863	892s	926	930	940	976	1041	1131
1143	1145	1182	1293	1343	1344	1349	1421
1435	1467	1540	1560	1571	1590	1638	1712
1803	1804	1966	2177	2179	2188	2290	2316
2372	2411	2414	2418	2452	2467	2517	2567
2632	2634	2649	2679	2722	2726	2908	

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■ 351 18, 37/26-34 απεκριθη ο Ιησους  
συ λεγεις οτι βασιλευς ειμι  
εγω εις τουτο γεγεννημαι

1 συ λεγεις οτι βασιλευς ειμι εγω

273sc 345c 759\* 1357c 1652\* 2106c 2354c 2708c

1-f1 συ λεγεις οτι συ λεγεις βασιλευς ειμι εγω

865

1-f2 συ λεγεις οτι βασιλευς ει[μι] συ απεκριθη ιησους συ λεγεις οτι βασιλευς  
ειμι εγω

2673

1-f3 συ λεγεις οτι βασιλευς ειμι εγω εγω

905

1-f4 συ λεγεις οτι βαλευς ειμι εγω

273s\*

1-f5            συ λεγεις οτι βασιλευς η συ ειμι εγω

2106\*

1-f6            συ λεγεις οτι βασιλευς ειμε εγω

1339

1-f7            συ λεγεις [15-20] οτι βασιλευς ειμι εγω

2354\*

1-f8            συ λεγεις οτι βασιλευς ειμι εγω [14]

900

1-f9            βασιλεις οτι βασιλευς ειμι εγω

036\*

2                συ λεγεις οτι βασιλευς ειμι

01	03	05s	019	032	044	054	0109
0290	1	4	13	33	69	124	160
182	205	209	211	213	225	235	277
317	333	346	373	377	379	537	538
543	544	558	710	759c	780	788	826
827	828	883	1009	1185	1314	1357*	1506
1519	1541	1542	1582	1644	1654	1685	1689
1819	1820	2109	2129	2148	2236	2708*	2713
2718	2886						

3                συ λεγεις βασιλευς ειμι εγω

48            64            1627            2328            2463            2613

4                συ λεγεις οτι ο βασιλευς ειμι εγω

2482

5                οτι βασιλευς ειμι εγω

036c            1652c

6                λεγεις οτι βασιλευς ειμι εγω

2653

2478

1263

1269

11 OM

1047s      1574      1704      2108

Z DEF

P52	P59	P60	P66	P90	P108	04	05
011s	047	087	27	79	179	274s	280
335	345*	350	370	376	403	416	472
475s	514	546	573	649	711	731s	748
757	766	771	772	781	798	863	892s
926	930	940	976	1041	1077	1131	1143
1182	1293	1343	1344	1349	1404	1421	1435
1467	1540	1560	1565	1571	1590	1638	1712
1803	1804	1966	2177	2179	2188	2290	2316
2372	2411	2414	2418	2452	2467	2517	2567
2632	2634	2649	2679	2722	2726	2908	

18, 37/38 βασιλευς ειμι εγω  
εις  
τουτο γεγεννημαι

1/2-f1 ε1ς ε1ς

2808

$$1/2 - f_2 \quad \varepsilon_1$$

233      2533

1/2-f3      EK

1316

■ 352 18, 37/40 βασιλευς ειμι εγω εις  
τουτο  
γεγεννημαι και εις τουτο εληλυθα

1/2 τουτο

2290sc

1/2-f1 τουτου

1652 2290s\*

1/2-f2 τουτο εγω εις τουτο

2708

3 τουτο και

02

Z DEF

P59	P66	P90	P108	04	05	011s	047
087	27	79	179	274s	335	350	403
416	472	475s	514	515	546	573	649
711	731s	748	766	771	772	781	798
863	892s	926	930	940	976	1041	1131
1143	1182	1293	1343	1344	1349	1435	1467
1540	1560	1565	1571	1590	1638	1712	1803
1804	1966	2177	2179	2188	2192	2290	2307
2316	2322	2372	2411	2414	2418	2467	2517
2567	2632	2634	2649	2679	2722	2726	2750
2908							

■ 353 18, 37/42-50 εις τουτο  
γεγεννημαι και εις τουτο εληλυθα  
εις τον κοσμον

1/2 γεγεννημαι και εις τουτο εληλυθα

80c1 530c 587c 1059c 1135c 1335c 2900c

1/2-f1 γεγεννημαι και εις τουτο γεγεννημαι και εις τουτο εληλυθα

281

1/2-f2 γεγεννημαι γεννημαι και εις τουτο εληλυθα

1629			
1/2-f3	γεγεννηνη και εις τουτο εληλυθα		
530*			
1/2-f4	γεννημαι και εις τουτο εληλυθα		
039	1059*		
1/2-f5	εγεννημαι και εις τουτο εληλυθα		
72			
1/2-f6	γεγεννημαι και εις τουτο λελυθα		
1630*			
1/2-f7	γεγεννημε και ης τουτ εληλυθα		
229c			
1/2-f8	γενενημαι και εις τουτο εληλυθα		
944	2495		
1/2-f9	γεγεννημαι και εις του τουτο εληλυθα		
68			
1/2-f10	γεγεννημαι και εν τουτο εληλυθα		
273s			
1/2-f11	γεγεννημαι και εις του εληλυθα		
410	880	1350	
1/2-f12	γεγεννημαι και εις τουτο εληλαθα		
492			
1/2-f13	γεγεννημαι και εις τουτο εληλοθα		
1135*			
1/2-f14	γεγεννημαι και εις τουτο ελελυθα		



1630c								
1/2-f15	γεγεννημαι και εις τουτο εληθα							
498	1273							
1/2-f16	γεγεννημαι και εις τουτο εληλυθη							
1325								
1/2-f17	γεγεννημαι και εις τουτο εληλυθεν							
587*								
1/2-f18	εληλυθα και εις τουτο εληλυθα							
574								
1/2-f19	και εις τουτο εληλυθα							
808								
3	εληλυθα							
229*	230	358	731	1196	1675	2487	2809	
3-f1	εληθα							
1335*								
4	γεγεννημαι							
1431								
5	γεγεννημαι εις τουτο εληλυθα							
1301	2900*							
6	γεγεννημαι και δια τουτο εληλυθα							
80*								
W1/2/4/5	γ[ε]γεννημαι [και εις τουτο εληλυθα]							
P52								
W1/2/4/5	γεγενν[ημαι και εις τουτο εληλυθα]							

P90

W1/2/3/5 [γεγεννημαι και εις τουτο ελ]ηλυθ[α]

P66

W γεγεννη[μαι και εις του]το εληλυθ[α]

P60

Z DEF

P59	P108	04	05	011s	047	087	27
79	179	274s	335	342	350	403	416
472	475	546	573	649	711	731s	748
766	771	772	781	798	863	892s	926
930	940	976	1041	1119	1131	1143	1182
1293	1343	1344	1349	1435	1467	1540	1560
1565	1571	1590	1638	1712	1803	1804	2177
2179	2188	2290	2307	2316	2372	2411	2414
2418	2467	2517	2567	2632	2634	2649	2679
2722	2726	2908					

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■ 354 18, 37/52-56 και εις τουτο εληλυθα  
εις τον κοσμον  
ινα μαρτυρησω τη αληθεια

1/2 εις τον κοσμον

797c\* 1149c

1/2-f1 εις εις τον κοσμον

2273

1/2-f2 ει τον κοσμον

1564

1/2-f3 εις το κοσμον

2608

1/2-f4 εις τουτον τον κοσμον

861

3	OM						
184	477	797*	1149*	1256	1431	2277	2487
2615							

Z	DEF						
P59	P60	P108	04	05	011s	047	087
27	79	179	274s	335	403	416	472
475	546	573	649	711	731s	748	766
771	772	781	798	863	892s	926	940
976	1041	1131	1182	1293	1343	1344	1349
1435	1467	1540	1560	1565	1571	1590	1638
1712	1803	1804	2177	2179	2188	2290	2316
2372	2411	2414	2418	2467	2517	2567	2632
2634	2649	2679	2722	2726	2908		

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■	18, 37/58	εληλυθα εις τον κοσμον ινα μαρτυρησω τη αληθεια
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1/2	ινα
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824c	1802c
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1/2-f1	ινα εμου απεκριθη ο πιλατος μητη εγω ιουδαιος ειμι
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1802*
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1/2-f2	ια
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1148
------

1/2-f3	ιν
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824*
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■	355	18, 37/60	ινα μαρτυρησω τη αληθεια
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1/2	μαρτυρησω
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01s1	345c
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1/2-f1	μαρτυρηση
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01*	345*						
1/2-f2	μαρτυρι						
2265							
1/2-f3	μαρτυρησων						
05s							
3	μαρτυρησωσι						
11							
Z	DEF						
P52	P59	P60	P90	P108	04	05	011s
047	087	0109	27	79	179	274s	295
335	350	403	416	472	475	546	573
649	654	711	731s	748	766	771	772
781	798	863	892s	926	940	976	1041
1131	1143	1182	1293	1343	1344	1349	1435
1467	1540	1560	1565	1571	1590	1638	1712
1803	1804	2177	2179	2188	2290	2307	2316
2372	2411	2414	2418	2467	2517	2567	2632
2634	2649	2679	2722	2726	2908		
=====							

■ 356      18, 37/62-64      ινα μαρτυρησω  
    τη αληθεια  
    πας ο ων εκ της αληθειας ακουει

1/2      τη αληθεια

01Cca    2900c

1/2-f1    τη τη αληθεια

2406

1/2-f2    τη αληθ[1]α

2900\*

1/2-f3    τη αληθει

2244

3            περι της αληθειας

01\*

4            την αληθειαν

731        1135        1269        1573        2311        2591        2711

Z           DEF

P52	P59	P108	04	05	011s	047	087
27	79	179	274s	335	403	416	472
475	546	573	649	711	731s	748	766
771	772	781	798	863	892s	926	940
976	1041	1131	1143	1182	1293	1343	1344
1349	1435	1467	1540	1560	1565	1571	1590
1638	1712	1803	1804	2177	2179	2188	2290
2307	2316	2372	2411	2414	2418	2467	2517
2567	2632	2634	2649	2679	2722	2726	2908

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■            18, 37/66-38/14    ινα μαρτυρησω τη αληθεια  
                 πας ο ων ... 38 ... τι εστιν αληθεια  
                 και τουτο ειπων παλιν εξηλθεν

U            OM

779        1128        1663

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■    357            18, 37/66-84    ινα μαρτυρησω τη αληθεια  
                 πας ο ων εκ της αληθειας ακουει μου της φωνης

3            OM

55        841

Z            DEF

P59	P108	04	05	011s	047	087	27
79	179	274s	335	403	416	472	475
546	573	649	711	731s	748	766	771
772	779	781	798	863	892s	926	940
976	1041	1128	1131	1182	1293	1343	1344
1349	1435	1467	1540	1560	1565	1571	1590
1638	1663	1712	1803	1804	2177	2179	2188

2290	2307	2316	2372	2411	2414	2418	2467
2517	2567	2632	2634	2649	2679	2722	2726
2908							
=====							
■ 358	18, 37/66	ινα μαρτυρησω τη αληθεια πας ο ων εκ της αληθειας ακουει					
1/2	πας						
231c	365c1	1113c	2561c				
3	πας ουν						
16	118s	168	513	662	686	820	883
957	977	1004	1024	1060	1139	1202	1237
1326	1364	1579	1615	1901	2452	2779	
4	και πας						
1367	1478s						
5	ΟΜ						
27s	68	365*	475s	557	679	726	1113*
1319	1375	1377	1463	2223	2478	2561*	2680
2756							
Ζ	DEF						
P52	P59	P90	P108	04	05	011s	047
087	27	55	79	179	231*	274s	335
350	403	416	472	475	514	546	573
649	711	731s	743	748	766	771	772
779	781	798	841	863	892s	926	940
976	1041	1128	1131	1143	1182	1293	1343
1344	1349	1435	1467	1540	1560	1565	1571
1590	1638	1663	1712	1803	1804	2177	2179
2188	2290	2307	2316	2372	2411	2414	2418
2467	2517	2567	2632	2634	2649	2679	2722
2726	2908						
=====							

■ 359	18, 37/68	πας ο ων εκ της αληθειας ακουει					
1/2	ο						

P52	P59	P90	P108	04	05	011s	047
087	27	55	79	179	231*	274s	335
350	403	416	472	475	546	573	649
711	731s	748	766	771	772	779	781
798	841	863	892s	926	940	976	1041
1128	1131	1143	1182	1293	1343	1344	1349
1421	1435	1467	1540	1560	1565	1571	1590
1638	1663	1712	1803	1804	2177	2179	2188
2290	2307	2316	2372	2411	2414	2418	2467
2517	2567	2632	2634	2649	2679	2722	2726
2908							

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360 18,37/70 πας ο  
ων  
εκ της αληθειας ακουει

$$1/2 \quad \omega V$$

231c

3 OM

686

Z DEF

P52	P59	P90	P108	04	05	011s	047
087	27	55	79	179	231*	274s	335
350	403	416	472	475	546	573	649
711	731s	748	766	771	772	779	781
798	841	863	892s	926	940	976	1041
1128	1131	1182	1293	1343	1344	1349	1421
1435	1467	1540	1560	1565	1571	1590	1638
1663	1712	1803	1804	2177	2179	2188	2290
2307	2316	2372	2411	2414	2418	2467	2517
2567	2632	2634	2649	2679	2722	2726	2908

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■ 361 18, 37/72-76 πας ο ων  
εκ της αληθειας  
ακουει μου της φωνης

1/2 εκ της αληθειας

01Cca 1583c

1/2-f1 εκ τη αληθειας

1338

1/2-f2 εκ της αληθεας

1185

1/2-f3 εκ της θειας

475s

1/2-f4 εκ της ληθειας

2507

3 της αληθειας

01\* 196 1583\*

Z DEF

P59	P60	P90	P108	04	05	011s	045
047	087	27	55	79	179	274s	305
335	350	403	416	472	475	546	573
649	711	731s	748	766	771	772	779
781	798	841	863	892s	926	940	976
1041	1128	1131	1182	1288	1293	1343	1344
1349	1435	1467	1540	1560	1565	1571	1590
1638	1663	1712	1803	1804	2177	2179	2188
2290	2307	2316	2372	2411	2414	2418	2467
2509	2517	2567	2632	2634	2649	2679	2722
2726	2908						

■ 18, 37/76 πας ο ων εκ της  
αληθειας  
ακουει μου της φωνης

1/2 αληθειας



48c							
1/2-f1	αληθειας ουκ						
48*							
=====							
■	18, 37/78			πας ο ων εκ της αληθειας			
				ακουει			
				μου της φωνης			
1/2-f1	ακουει						
1402							
=====							
■ 362	18, 37/80-84			πας ο ων εκ της αληθειας ακουει			
				μου της φωνης			
1/2	μου της φωνης						
231c	1044c*	2191c					
1/2-f1	με της φωνης						
475s							
1/2-f2	μι της φωνης						
1325							
3	της φωνης						
2191*							
4	μου τους λογους						
118s	281	1044*	1326	1569			
Z	DEF						
P52	P59	P60	P90	P108	04	05	011s
047	087	27	55	79	179	231*	274s
335	350	370	376	403	416	472	475
546	573	649	711	731s	748	766	771
772	779	781	798	841	863	888	892s
926	940	976	1041	1128	1131	1143	1182



4 κ(αι) λεγει

841\*

Z DEF

P59	P60	P108	04	05	011s	047	087
27	179	231*	274s	335	350	403	416
472	475	546	573	649	711	731s	743
748	766	771	772	779	781	798	863
892s	926	940	976	1041	1119	1128	1131
1143	1182	1293	1343	1344	1349	1435	1467
1530*	1540	1560	1565	1571	1582	1590	1638
1663	1712	1803	1804	2177	2179	2188	2290
2307	2316	2372	2375	2411	2414	2418	2467
2470	2517	2567	2584	2632	2634	2649	2679
2726	2908						

■ 365 18, 38/4 λεγει  
αυτω  
ο Πιλατος

1/2 αυτω

1530c\*

1/2-f1 αυτον

994 2575

3 OM

2533

Z DEF

P59	P60	P108	04	05	011s	047	087
27	179	274s	335	350	403	416	472
475	546	573	649	711	731s	748	766
771	772	779	781	798	863	892s	926
940	976	1041	1128	1131	1143	1182	1293
1343	1344	1349	1435	1467	1530*	1540	1560
1565	1571	1590	1638	1663	1712	1803	1804
2177	2179	2188	2290	2307	2316	2372	2411
2414	2418	2467	2517	2567	2584	2632	2634
2649	2679	2726	2908				

366	18, 38/6-8	λεγει αυτω ο Πιλατος τι εστιν αληθεια					
1/2	ο πιλατος						
1530c*							
3	πιλατος						
163	405	690	817	1195	1285	1343s	1402
1404	1569	2145	2482	2530	2606	2680	
4	ο ιησους						
895							
Z	DEF						
P52	P59	P60	P108	04	05	011s	047
087	27	179	274s	335	350	403	416
472	475	546	573	649	711	731s	748
766	771	772	779	781	798	863	892s
926	940	976	1041	1128	1131	1143	1182
1293	1343	1344	1349	1435	1467	1530*	1540
1560	1565	1571	1590	1638	1663	1712	1803
1804	2177	2179	2188	2290	2307	2316	2372
2411	2414	2418	2467	2517	2567	2584	2632
2634	2649	2679	2726	2907	2908		

367	18, 38/10	λεγει αυτω ο Πιλατος τι εστιν αληθεια					
1/2	τι						
01Cca	231c						
3	τις						
01*	293						
Z	DEF						
P52	P59	P60	P90	P108	04	05	011s
047	087	27	179	231*	274s	335	345
350	403	416	472	475	514	546	573

649	711	731s	748	766	771	772	779
781	798	863	892s	926	940	976	1041
1128	1131	1182	1293	1343	1344	1349	1435
1467	1540	1560	1565	1571	1590	1638	1663
1712	1803	1804	2177	2179	2188	2290	2307
2316	2372	2375	2414	2418	2467	2517	2567
2575	2584	2632	2634	2649	2679	2726	2908

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■ 368 18, 38/12 λεγει αυτω ο Πιλατος τι  
εστιν  
αληθεια

1/2 εστιν

231c

3 OM

1256

z DEF

P52	P59	P60	P90	P108	04	05	011s
047	087	27	179	231*	274s	335	350
376	403	416	472	475	546	573	649
711	731s	748	766	771	772	779	781
798	863	892s	926	940	976	1041	1128
1131	1182	1293	1343	1344	1349	1435	1467
1540	1560	1565	1571	1590	1638	1663	1712
1803	1804	2177	2179	2188	2290	2307	2316
2372	2414	2418	2467	2517	2567	2575	2584
2632	2634	2649	2679	2726	2908		

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■ 369 18, 38/14 τι εστιν  
αληθεια  
και τουτο ειπων παλιν εξηλθεν

1/2 αληθεια

231c

1/2-f1 αληθειαν

1088c

1/2-f2 αλθειαν

1088\*

3 η αληθεια

1 982 1569 1582 1651

Z DEF

P52	P59	P60	P108	04	05	011s	047
087	27	179	231*	274s	335	350	370
376	403	416	472	475	546	573	649
711	731s	748	766	771	772	779	781
798	863	892s	926	940	976	1041	1128
1131	1182	1293	1343	1344	1349	1421	1435
1467	1540	1560	1565	1571	1590	1638	1663
1712	1803	1804	2177	2179	2188	2290	2307
2316	2372	2414	2418	2467	2517	2567	2575
2584	2632	2634	2649	2679	2726	2908	

■ 18, 38/16 τι εστιν αληθεια  
και  
τουτο ειπων παλιν εξηλθεν

1/2-f1 και πο

759

1/2-f2 κατα

1148

■ 370 18, 38/18 τι εστιν αληθεια και  
τουτο  
ειπων παλιν εξηλθεν

1/2 τουτο

231c 505c 1291c 2121\*

1/2-f1 τουτ

2121c

1/2-f2 του

505\*

1/2-f3      τουτον

518

1/2-f4      τουτου

1139      1291\*

3            ταυτα

1519

Z            DEF

P59	P60	P90	P108	04	05	011s	047
087	27	179	231*	274s	335	370	403
416	472	475	546	573	649	711	731s
748	766	771	772	781	798	863	892s
926	940	976	1041	1131	1143	1182	1263
1293	1343	1344	1349	1435	1467	1540	1560
1565	1571	1590	1638	1712	1803	1804	2177
2179	2188	2290	2307	2316	2372	2375	2414
2418	2467	2517	2567	2584	2632	2634	2649
2679	2726	2782	2908				

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■ 371      18, 38/22-24      και τουτο ειπων  
παλιν εξηλθεν  
προς τους Ιουδαιους

1/2      παλιν εξηλθεν

504\*      504c1

1/2-f1      παλιν εξηλθεν εξηλθεν

0141

1/2-f2      παλιν εξηλθεν

1410

1/2-f3      παλιν εξηλθε

2389

1/2-f4      παλιν εξηλθ

538							
1/2-f5	παλιν	ξηλθε					
1605							
1/2-f6	παλν	εξηλθεν					
2606							
1/2-f7	παλιν	εξηλ					
1226							
1/2B	παλιν	εξελθων					
1443							
1/2C	παλιν	εξηλθεν	εξω				
652							
3	εξηλθεν	παλιν					
56	147	579s	676	929	935	978	1038
1203	1265	1315	1342	1498	2223	2680	2786
4	απηλθε	παλιν					
157							
5	εξηλθεν						
0290	688	1123	1535	1574	1625	2133	2291
2474							
Z	DEF						
P52	P59	P60	P90	P108	04	05	011s
047	087	27	179	274s	335	350	376
403	416	472	475	514	546	573	649
711	731s	748	766	771	772	781	798
863	892s	926	940	976	1041	1119	1131
1143	1182	1263	1293	1343	1344	1349	1435
1467	1506	1540	1560	1565	1571	1590	1638
1712	1803	1804	2177	2179	2188	2290	2307



2316	2372	2414	2418	2467	2517	2567	2584
2632	2634	2649	2679	2726	2782	2908	
=====							

■ 372	18, 38/26–30			παλιν εξηλθεν προς τους Ιουδαιους και λεγει αυτοις		
1/2	προς τους ιουδαιους					
61c	73c	368c	422c	1652c	2766c	
1/2–f1	προς προς τους ιουδαιους					
61*						
1/2–f2	προ τους ιουδαιους					
888						
1/2–f3	πρους τους ιουδαιους					
1187						
1/2–f4	προς του ιουδαιους					
1324						
1/2–f5	προς τους ιουδαιουσους					
1652*						
1/2–f6	προς τους ιοδαιους					
1335						
1/2–f7	προς τους ιδιους					
73*						
1/2–f8	προς τ[ους] ιουδαιους					
2766*						
3	εις τους ιουδαιους					
294	676	733	1502	1604	1625	1645
4	συν τοις ιουδαιοις					

5	OM						
10	71	248	705	895	1014	1091	1194
1413	1458	1626	1663	2676	2705		
6	τους ιουδαιους						
31							
7	προς ιουδαιους						
368*	994	2575					
7-f1	πρους ιουδαιους						
422*							
8	ο πιλατος προς τους ιουδαιους						
283	683	892	1188	1509	1692		
9	προς τους ιουδαιους ο πιλατος						
1321							
10	προσ αυτους ο πιλατος						
376							
Z	DEF						
P52	P59	P60	P90	P108	04	05	011s
047	087	0290	27	179	274s	335	403
416	472	475	546	573	649	711	731s
748	766	771	772	781	798	863	892s
926	940	976	1041	1131	1143	1182	1263
1293	1343	1344	1349	1435	1467	1540	1560
1565	1571	1590	1638	1712	1803	1804	2177
2179	2188	2290	2307	2316	2372	2414	2418
2467	2517	2567	2584	2632	2634	2649	2679
2726	2782	2908					

816

1/2 και λεγει αυτοις

1465c 2528c

1/2-f1 και λεγε αυτοις

192

1/2B και λεγει αυτω

220 1013 1149

1/2C και λεγει αυτος

1465\*

3 λεγει αυτοις

428 2528\* 2643

4 και ειπεν αυτοις

273s 368 501 554 875 2786

5 OM

270

Z DEF

P52	P59	P60	P66	P108	04	05	011s
047	087	27	179	274s	335	350	370
403	416	472	475	546	573	649	711
731s	748	766	771	772	781	798	863
892s	926	940	976	1041	1119	1131	1182
1293	1343	1344	1349	1435	1467	1540	1560
1565	1571	1590	1638	1712	1803	1804	2177
2179	2188	2290	2316	2372	2414	2418	2467
2517	2567	2575	2584	2634	2649	2679	2722
2726	2782	2813	2908				

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■ 374 18, 38/38 και λεγει αυτοις

εγω

ουδεμιαν ευρισκω εν αυτω αιτιαν

1/2 εγω

61c							
1/2-f1	εγ εγω						
61*							
3	εγω δε						
365	595	716	1820				
Z	DEF						
P52	P59	P60	P90	P108	04	05	011s
047	087	27	179	274s	335	370	376
403	416	472	475	546	573	649	711
731s	748	766	771	772	781	792	798
863	892s	904	926	940	976	1041	1131
1143	1182	1273	1293	1343	1344	1349	1435
1467	1540	1560	1565	1571	1590	1638	1712
1803	1804	2177	2179	2188	2290	2307	2316
2372	2414	2418	2467	2517	2567	2575	2584
2634	2649	2679	2722	2726	2782	2813	2908

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■ 375      18, 38/40-48      και λεγει αυτοις εγω  
ουδεμιαν ευρισκω εν αυτω αιτιαν

1	ουδεμιαν αιτιαν ευρισκω εν αυτω					
20c	492c	530c	758c	1001c	1285c	1320c
1593c*	1689c					
1-f1	ουμιαν αιτιαν ευρισκω εν αυτω					
492*						
1-f2	ου[2]δεμιαν αιτιαν ευρισκω εν αυτω					
530*						
1-f3	υδεμιαν αιτιαν ευρισκω εν αυτω					
1053						
1-f4	δδεμιαν αιτιαν ευρισκω εν αυτω					

1279							
1-f5	δεμιν αιτιαν ευρισκω εν αυτω						
1285*	1320*	1593*					
1-f6	ουδεμιν αιτιεν ευρισκω εν αυτω						
1624							
1-f7	ουδεμιν αιτειαν ευρισκων εν αυτω						
8							
1-f8	ουδεμιν αιτιαν αιτιαν ευρισκω εν αυτω						
1299	1479						
1-f9	ουδεμιν αιτιαν ευρικω εν αυτω						
365							
1-f10	ουδεμιν αιτιαν ευρισκω ενν αυτω						
20*							
1-f11	ουδεμιν αιτιαν [1]υρισκω εν αυτω						
1689*							
1-f12	ουδεμιν αιτιαν ευρισκω εν						
758*							
2	ουδεμιν ευρισκω εν αυτω αιτιαν						
03	019	033	0109	0141	0290	47	56
58	79	213c	317	333	397	423	579s
821	865	1321	1370	1819	1820	2129	
2-f1	ουεμιν ευρισκω εν αυτω αιτιαν						
213*							
3	ουδεμιν ευρισκω αιτιαν εν αυτω						
P66	0211	61*	1326				

4	ουδεμιαν ευρισκω εν αυτω				
63	710	1001*			
5	ουδεμιαν εν αυτω αιτιαν ευρισκω				
054c*	175	299	929	1038	
6	ουδεμιαν αιτιαν ευρισκω εν εαυτω				
113					
7	ουδεμιαν αιτιαν ευρισκω εν αυτοις				
697					
8	ουδεμιαν αιτειαν ουκ ευρισκω εν αυτω				
1135					
9	ουδεμιαν αιτιαν ευρισκω εν τω ανθρωπω				
1060					
10	ουδεμιαν ετιαν ευρισκω εν τω ανθρωπω τουτο				
2430					
11	ουδεμιαν αιτιαν εν αυτω ευρισκω				
05s	1242	2561			
12	ουδεμιαν αιτιαν ευρισκω				
054*					
13	ουδεμιαν αιτιαν θανατου ευρισκω εν αυτω				
61c	1269	2710			
13-f1	δεμιαν αιτιαν θανατου ευρισκω εν αυτω				
69					
14	ουδεμιαν κατηγοριαν ευρισκω εν αυτω				
1431					

15 αιτιαν ουδεμιαν ευρισκω εν αυτω

1272

Z DEF

P52	P59	P60	P90	P108	04	05	011s
047	087	27	179	274s	335	350	376
403	416	472	475	546	573	649	711
730	731s	748	766	771	772	781	798
863	892s	904	926	940	976	1041	1131
1143	1182	1293	1343	1344	1349	1435	1467
1540	1560	1565	1571	1590	1638	1712	1803
1804	2177	2179	2188	2290	2307	2316	2372
2414	2418	2467	2517	2567	2584	2632	2634
2649	2679	2722	2726	2782	2813	2908	

■ 18,39/2

εστιν  
δε συνηθεια

1/2-f1 στι

892

■ 376 18,39/4

εστιν  
δε  
συνηθεια υμιν

1/2-f1 δε δε

1394

1/2-f2 ε

435s

3 δε και

1185 1521

4 ουν

799

5 OM

1090	1250	1269	1648	1797			
W1/4	ουν δε						
933							
Z	DEF						
P52	P59	P60	P66	P90	P108	04	05
011s	047	087	27	179	274s	335	350
370	376	403	416	472	475	546	573
649	711	731s	748	766	771	772	781
798	863	892s	904	926	930	940	976
1041	1131	1143	1182	1293	1343	1344	1349
1435	1467	1540	1560	1565	1571	1590	1638
1712	1803	1804	2177	2179	2188	2290	2307
2316	2372	2414	2418	2442	2517	2567	2584
2634	2649	2679	2726	2782	2813	2908	
=====							

■ 18,39/6 εστιν δε  
 συνηθεια  
 υμιν ινα ενα απολυσω

1/2 συνηθεια  
 355c 530c 881c 901c 1546c\*  
 1/2-f1 συνηθεια δε συνηθεια  
 881\*  
 1/2-f2 συνηθαια  
 05s  
 1/2-f3 συνηθες  
 168  
 1/2-f4 συνηθει  
 355\* 530\* 901\* 2311  
 1/2-f5 σινηθει  
 1546\*



1/2-f6 σηνιθεα

1571s

1/2-f7 συνηθειω

279

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■ 18, 39/8-30 εστιν δε συνηθεια  
υμιν ινα ενα ... ουν απολυσω υμιν  
τον βασιλεα των Ιουδαιων

V ινα υμιν

491

=====

■ 377 18, 39/8 εστιν δε συνηθεια  
υμιν  
ινα ενα απολυσω υμιν

1/2 υμιν

1534c

1/2-f1 υυμιν

030

1/2-f2 μιν

1618

3 εν υμιν

138 357 558 747 959 1021 1081

4 υμων

019 022 445

5 OM

36 119 162 191 217 291 330 406  
444 482 515 544 551 574 578 591  
792 831 857 1093 1127 1314 1321 1398

1534*	1542	1588	2223	2400	2516	2643	2650
2680	2809						
Z	DEF						
P52	P59	P60	P66	P90	P108	04	05
011s	047	087	27	179	274s	335	350
370	403	416	472	475	491	514	546
573	649	711	727	731s	748	766	771
772	781	798	863	892s	904	926	930
940	976	1041	1119	1131	1182	1288	1293
1343	1344	1349	1435	1467	1540	1560	1565
1571	1590	1638	1712	1803	1804	2177	2179
2188	2290	2307	2316	2372	2414	2418	2517
2567	2575	2584	2634	2649	2679	2693s	2726
2782	2813	2908					

031s*	154*	733*	1081	1558	2812		
2	ινα ενα απολυσω υμιν εν τω πασχα						
01	05s	017	019	030	033	037	041
0109c	0290	1	9	27s	33	48	68
69	114	124	138	158	179s	187	205
209	213	220	233	262	270	274	352
357	387	475s	489	515	544	554	557
565	574	577	582	591	695	699	713
726	780	782	787	806	861	865	884
953	954	968	974	994	1001	1006	1012
1026	1053	1071	1079	1093c*	1113	1122	1128
1144	1181c	1195	1208	1219	1241	1242	1248
1268	1273	1289	1299	1313	1319	1321	1342
1346	1375	1377	1389	1398	1451	1463	1477
1478s	1497	1502	1533c	1546c*	1552	1561	1582
1593	1654	1675c	1676	1784s	1813	1816	2148
2191	2193	2252	2278	2280	2397	2400	2478
2492	2516	2528	2561	2613	2624	2684	2702
2713	2718	2728	2756	2757	2794	2886	2902
2-f1	ινα ενα α απολυσω υμιν εν τω πασχα						
579s							
2-f2	ινα ενα απολυσω ημιν εν τω πασχα						
375							
3	ινα ενα απολυω υμιν εν τω πασχα						
032							
4	ινα ενα απολυσω υμιν τω πασχα						
03							
4-f1	ινα ενα απολυση ημιν τω πασχα						
0109*							
5	ινα ενα απολυσω υμιν εν πασχα						
1546*							
6	ινα ενα υμων απολυσω εν τω πασχα						

162	440	745	1353	1797	2406		
8	ινα ενα εν υμιν απολυσω εν τω πασχα						
1480							
9	ινα ενα υμιν απολυω εν τω πασχα						
392	957	1126*	1138	1139	1354	1484c	1506
2694							
10	ινα ενα υμιν εν τω πασχα						
650							
11	ινα ενα απολυσω εν τω πασχα						
044	19*	152	186	234	259	365	395
445	537*	555	1007	1017	1061	1171	1291
1476	1515	1571s	1574	1606	1689	2106	2159
2592*	2632c	2686	2691	2703	2766		
12	ινα ενα απολυσω το πασχα						
784							
13	ινα ενα υμιν απολυσω τω πασχα						
2290s							
14	ινα ενα υμιν απολυσω υμιν εν τω πασχα						
268	431	2715					
15	ινα ενα απολυσω δεσμιον υμιν εν τω πασχα						
389							
16	ινα ενα δεσμιον απολυσω υμιν εν τω πασχα						
1820	2129	2786					
17	ινα ενα δεσμιον απολυω υμιν εν τω πασχα						
1819							
18	ινα απολυσω υμιν εν τω πασχα						

835	1093*	1181*	1428	1533*	1675*			
19	ινα απολυσω ενα εν τω πασχα							
169	886							
20	ινα απολυσω εν τω πασχα							
394	971	2632*						
21	ινα απολυσω υμιν ενα εν τω πασχα							
1692	2545							
22	ινα υμιν απολυσω ενα εν τω πασχα							
1406								
23	ινα υμιν ενα απολυσω εν τω πασχα							
44	892	1250*	1453	1624				
24	ινα υμιν απολυσω εν τω πασχα							
031sc	225	581*	657	1178*	1358*	1643*	1780*	
1901	2147	2370	2462*	2687*				
24-f1	ινα υμιν απολυσω υμιν εν τω πασχα							
116								
24	ενα υμιν απολυσω εν τω πασχα							
054*	054c2	991						
25	ενα υμιν ενα απολυσω εν τω πασχα							
054c1								
26	ενα απολυσω υμιν εν τω πασχα							
482								
27	ενα ινα υμιν απολυσω εν τω πασχα							
2502								
28	απολυσω ινα ενα εν τω πασχα							

1802							
30	[απολυε]σθαι το π[ασχα]						
P60							
32	ινα απολυσω υμιν εν τω πασχα ενα						
679	684	727	729	736	749	820	834
883	1252	1261	1536	2185	2452		
33	ινα ενα υμιν απολυσω εν τω πασχα ενα						
1302*							
34	ινα ενα υμιν απολυσω υμιν εν τω πασχα ενα						
1302c2							
35	ινα ενα απολυσω εν τω πασχα υμιν						
792							
36	ινα απολυσω ενα εν τω πασχα υμιν						
2643							
37	ινα ενα υμιν εν τω πασχα απολυσω						
1422*	1652						
38	ινα ενα υμιν απολυσω						
478	1123	1191	2314	2474			
39	ινα ενα απολυσω						
770							
40	ινα ενα υμιν απολυσω εν τη εορτη						
1267							
41	ινα ενα απολυσω υμιν						
2411							
W	ινα ενα α[πολυσω υμιν εν τω] πασχα						

P66								
W								[ινα ενα απολυ]σω υμειν [εν τω πασχα]
P90								
W								ινα ενα υμιν [?] απολυσω εν τω πασχα
2223*								
W								ινα ενα υμιν ενα απολυσω εν τω πασχα
2775s								
W								απολυσω εν τω πασχα
0211	1269							
W								απολυσι εν τω πασχα
1338*								
Z	DEF							
P52	P59	P108	04	05	011s	047	087	
27	79	179	274s	335	350	370	376	
403	416	472	475	491	514	546	573	
649	711	731s	748	766	771	772	781	
798	863	892s	904	926	930	940	976	
1041	1131	1143	1182	1293	1343	1344	1349	
1421	1435	1467	1540	1560	1565	1571	1590	
1638	1712	1803	1804	2177	2179	2188	2290	
2307	2316	2372	2414	2418	2517	2567	2575	
2584	2634	2649	2679	2693s	2726	2782	2813	
2908								
=====								
■	18, 39/18-30							απολυσω υμιν εν τω πασχα βουλευσθε ουν απολυσω υμιν τον βασιλεα των Ιουδαιων
U	OM							
2411								
=====								
■ 379	18, 39/24-34							απολυσω υμιν εν τω πασχα βουλευσθε ουν απολυσω υμιν τον βασιλεα

των Ιουδαιων

3 OM

2317

Z DEF

P52	P59	P90	P108	04	05	011s	047
087	27	179	274s	403	416	472	475
546	573	649	711	731s	748	766	771
772	781	798	830	863	892s	904	926
930	940	976	1041	1131	1182	1293	1343
1344	1349	1435	1467	1540	1560	1565	1571
1590	1638	1712	1803	1804	2177	2179	2188
2290	2316	2372	2414	2418	2517	2567	2584
2634	2649	2679	2693s	2726	2782	2813	2908

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■ 18, 39/24 απολυσω υμιν εν τω πασχα  
βουλεσθε  
ουν απολυσω υμιν

1/2 βουλεσθε

1668c

1/2-f1 βουλεσθ

019

1/2-f2 βουλεσται

05s

1/2-f3 βουλεσζε

298

1/2-f4 βου

1668\*

1/2-f5 βουλεστε

1784sc

1/2-f6 βουλε



1784s\*

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■ 380            18, 39/26-30    βουλευσθε  
   ουν απολυσω υμιν  
   τον βασιλεα των Ιουδαιων

1                    ουν υμιν απολυσω

483c            564\*            1651c\*            2204c\*            2229c

1-f1               ουν ημιν απολυσω

1247            1651\*            2206            2323            2521            2806

1-f2               ουν υμην απολυσω

1571s

1-f3               ουν υμιν απολυσαι

266            1144            1604            2559            2711

1-f4               ουν υμιν απολυω

1237

1-f5               ουν υμιν απολυσω

1325

2                    ουν απολυσω υμιν

P66	02	03	05s	019	022	033	044
0109	0211	1	9	13	21	31	33
37	38	48	68	74	78	90	106
127	132	138	147	157	159	163	209
213	218	228	235	237	261	279	317
333	345	346	348	357	365	377	423
443	482	483*	484	515	529	543	552
565	574	579s	592	666s	686	690	695
713	731	752	760	776	780	788	799
807	825	826	828	865	873	884	891
934	939	954	968	969	977	994	1009
1040	1049	1053	1071	1093	1126c	1166	1198
1268	1273	1288	1289	1294	1301	1321	1353
1356	1392	1394	1396	1398	1410	1422	1425
1428	1431	1448	1451	1455	1502	1513	1519c

1542	1544	1557	1574	1582	1589	1593	1606
1626	1646	1666	1675	1689	1692	1695	1697
1701	1808	1819	1820	2129	2145	2191	2223
2238	2374	2394	2400	2405	2516	2518	2524
2528	2546	2561	2620	2645	2660	2661	2680
2684	2702	2707	2718	2750	2757	2786	2804
3	ουν υμιν απολυσω υμιν						
419	564 <sub>C</sub> *	1306					
3-f1	ουν υμιν απολυσω υμων						
1192							
4	ουν υμεις απολυσω υμιν						
1050	1457						
5	ουν υμεις απολυσω						
841							
6	ουν απολυσω						
038	4	59	100	152	168	192	276
278	303	355	371	498	506	521	524
555	595	597	652	719	725	729	775
829	878	886	892	979	982	996	1004
1011	1024	1044	1048	1056	1057	1087	1126*
1138	1164	1173	1196	1202	1209	1235	1256
1267	1340	1354	1404	1423	1504	1510	1533
1535	1553	1594	1787	2106	2120	2146	2204*
2217	2295	2315	2328	2346	2598		
6-f1	ουν απολυω						
1615							
7	ουν ινα υμιν απολυσω						
119	133	191	217	265	292	330	654
700	965	1007	1094	1139	1223	1479	1588
1797 <sub>C</sub>	2127	2658	2760				
7-f1	ουν ινα υμων απολυσω						
1797*							

8	ουν ινα απολυσω υμιν						
01	017	030	032	041	054	6	27s
114	116	129	158	175	205	220	245
268	270	295	299	331	352	375	389
412	489	496	503	508	581	582	679
699	726	782	785	787	792	843	896
951	974	990	992	1001	1006	1013	1026
1038	1079	1085	1128	1136	1167	1219	1272
1310	1313	1319	1346	1377	1438	1463	1473
1546	1556	1561	1570	1627	1647	1676	1690
1699	1816	2148	2193	2252	2278c	2280	2397
2404	2463	2492	2604	2623	2624	2713	2728
2756	2794	2886	2902				
8-f1	ουν ινα απολυση υμιν						
557							
8-f2	ουν ιν απολυσω υμιν						
475s							
9	ουν ινα απολυσω						
1784s	2229*	2533	2779				
10	ουν υμιν ινα απολυσω						
1700	2483						
11	ινα απολυσω υμιν						
706	1375	2278*	2478				
12	υμιν απολυσω						
247	779	1135	1299				
13	απολυσω υμιν						
0290	544	1113	1148	1577			
14	ουν υμιν ων υμιν						
2722							
15	ουν απολυσω {τον βασιλ(εα) των ιουδαιων} υμιν						

2643

W ουν ινα [υμιν απολυσω]

P90

W ουν απο[λυσω υμιν]

P60 1143

W ουν υμιν απολυσω [4]

1519\*

W-f1 ουν υμιν

1204

W2/3/4/8 ουν [3] απολυσω υμιν

79

Z DEF

P52	P59	P108	04	05	011s	047	087
27	179	274s	350	370	403	416	472
475	491	546	573	649	711	730	731s
748	766	771	772	781	798	830	863
892s	904	926	930	940	976	1041	1131
1182	1293	1343	1344	1349	1435	1467	1540
1560	1565	1571	1590	1638	1712	1803	1804
2177	2179	2188	2290	2307	2316	2317	2372
2411	2414	2418	2517	2567	2575	2584	2634
2649	2679	2693s	2726	2782	2813	2908	

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■ 18, 39/28-38 βουλευσθε ουν  
απολυσω υμιν τον βασιλεα των Ιουδαιων

1/2-f1 απολυσω τον βασιλ(εα) των ιουδαιων υμιν

2643

=====

■ 381 18, 39/29 βουλευσθε ουν απολυσω υμιν  
SINE ADD  
τον βασιλεα των Ιουδαιων

1/2 SINE ADD

500c

3 ADD εν τω πασχα

500\*

Z DEF

P52	P59	P60	P90	P108	04	05	011s
047	087	27	179	274s	370	403	416
472	475	491	546	573	649	711	731s
748	766	771	772	781	798	830	863
892s	904	926	930	940	976	1041	1131
1182	1293	1343	1344	1349	1435	1467	1540
1560	1565	1571	1590	1638	1712	1803	1804
2177	2179	2188	2290	2307	2316	2317	2372
2414	2418	2517	2567	2584	2634	2649	2679
2693s	2726	2782	2813	2908			

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■ 382 18, 39/32-34 απολυσω υμιν  
τον βασιλεα  
των Ιουδαιων

1/2 τον βασιλεα

935c

1/2-f1 τον βασιλεα τον βασιλεα

52 935\*

1/2-f2 τον βασιλεια

0109

1/2-f3 τον βασιλεαν

1232 1571s

3 βασιλεα

1074

4 την βασιλειαν

1186

5           ον λεγετε βασιλεα

2508

Z           DEF

P52	P59	P90	P108	04	05	011s	047
087	27	179	274s	403	416	472	475
514	546	573	649	711	731s	748	766
771	772	781	798	830	863	892s	904
926	930	940	976	1041	1119	1131	1182
1288	1293	1343	1344	1349	1435	1467	1540
1560	1564	1565	1571	1590	1638	1712	1803
1804	2177	2179	2188	2290	2307	2316	2317
2372	2414	2418	2517	2567	2575	2584	2634
2649	2679	2693s	2726	2782	2813	2908	

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■ 383           18, 39/36-38   απολυσω υμιν τον βασιλεα  
των Ιουδαιων

1/2-f1       των ιδαιων

1499

1/2-f2       των ιωδαιων

1136

1/2-f3       αυτων ιουδαιων

373

3           ιουδαιων

1331

Z           DEF

P52	P59	P60	P66	P90	P108	04	05
011s	047	087	27	179	274s	403	416
472	475	546	573	649	711	731s	748
766	771	772	781	798	830	863	892s
904	926	930	940	976	1041	1131	1145
1182	1293	1343	1344	1349	1435	1467	1540

1560	1565	1571	1590	1638	1712	1803	1804
2177	2179	2188	2290	2307	2316	2372	2414
2418	2517	2567	2584	2634	2649	2679	2693s
2726	2782	2813	2908				

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■ 384 18,40/2

εκραυγασαν  
ουν παλιν λεγοντες μη τουτον

1/2 εκραυγασαν

878c\*

1/2-f1 κραυγασαν

892 1204

1/2-f2 εκραυασαν

019 021

1/2-f3 εκραυσαν

581\* 587

1/2-f4 ακραυγασαν

878\*

1/2-f5 εκραυγαση

037c

1/2-f6 εκραυγασον

522 725

1/2-f7 εκραυγαυσαν

581c\*

1/2-f8 εκραυγασουν

1646

1/2-f9 εκραυπαμανου

037\*

3 εκραξαν

1654

4 εκραυγασαν ουν παντες ιουδαιων εκραυγασαν

2673

Z DEF

P52	P59	P60	P66	P108	04	05	011s
047	087	27	168	179	274s	403	416
472	475	546	573	649	711	731s	748
766	771	781	798	830	863	892s	926
930	940	949	976	1041	1131	1182	1293
1343	1344	1349	1435	1467	1540	1560	1565
1571	1590	1638	1712	1803	1804	2177	2179
2188	2290	2316	2372	2414	2418	2517	2567
2584	2634	2649	2679	2693s	2726	2782	2813
2908							

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■ 385 18, 40/4 εκραυγασαν  
ουν  
παλιν λεγοντες μη τουτον

1/2 ουν

657c 929c 1122c

1/2-f1 νυν

1673

3 δε

1797 2750

4 OM

028	037	513	657*	929*	933	1122*	1318
2106	2381	2766					

Z DEF

P52	P59	P60	P66	P108	04	05	011s
047	087	27	168	179	274s	403	416
472	475	514	546	573	649	711	731s



748	766	771	781	798	830	863	892s
926	930	940	949	976	1041	1131	1182
1293	1343	1344	1349	1435	1467	1540	1560
1564	1565	1571	1590	1638	1712	1803	1804
2177	2179	2188	2290	2307	2316	2372	2414
2418	2517	2567	2584	2634	2649	2679	2693s
2726	2782	2813	2908				
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■ 386            18, 40/6-8            εκραυγασαν ουν  
παλιν λεγοντες  
μη τουτον αλλα τον Βαραββαν

1            παλιν παντες λεγοντες

045c*	19c	78c	126c	226*	483*	512c	516*
560c	591c*	660*	695c	719c	929c	965c	1347c
1357*	1425c	1436c*	1509*	2175*	2247*	2452c	2524c

1-f1            παλιν παντες λεγοντες λεγοντες

1425\*

1-f2            παλιν παντες λεγωντες

1571s

1-f3            παλιν παντες λεγον

031s

1-f4            παλιν παντες λεγονται

2497

2            παλιν λεγοντες

P60	01	03	019	032	033	045*	0109
8	24	32	71	76	77	80	105
108	118s	123	126*	137*	139	169	180
190	191	192	195	210	211	213	235
247	248	264	269	273s	279	303	315
324	335	348	349	368	370	374	406
410	414	435s	477	492	513	518	523
538	549	554	560*	577	579s	651	663
669	686	695*	703*	706	708	715c	719*
728	731	744	746	750	759	772	786
799	809	817	831	833	836	841	844

852	856	861	865	871	873	874	875
878	881	883	887	889	891	905	943
946	951	968	1014	1024	1032	1036	1043
1071	1093	1096	1110	1135	1141	1143	1193
1227	1228	1232	1256	1262	1263	1269	1309
1312	1321	1322	1338	1355	1357 <sub>c</sub>	1364	1375
1422	1428	1446	1451	1463	1465	1466	1472
1478 <sub>s</sub>	1481	1506	1535	1549	1564	1566	1568
1577	1586	1588	1647	1678	1709	1819	1820
2118	2129	2132	2141	2146	2176	2201	2206
2215	2277	2369	2388	2437	2451	2458	2472
2490	2499	2514	2533	2586	2608	2612	2620
2666	2695	2703	2710	2721	2756	2766	2812
2856							

3 παλιν παντοτε λεγοντες

886

4 παλιν οι παντες λεγοντες

422

5 παλιν παντες κραζοντες

1519

6 παντες παλιν λεγοντες

511	703 <sub>c</sub>	715*	734	1039	1064	1442	1781
1791	2245	2774					

7 παλιν λεγοντες παντες

05 <sub>s</sub>	0290	130	1606	2291	2711	2775 <sub>s</sub>
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8 παλιν παντες

27 <sub>s</sub>	72	135	185	251	475 <sub>s</sub>	677	725
741	855	1082	1125	1173	1288	1319	1385
1388	1402	1547	1554	1797	2295	2315	2727
2860							

9 παντες λεγοντες

011	017	022	030	041	044	1	13
18	19*	23	28	33	35	36	44
47	48	55	56	57	58	61	66
69	73	78*	79	83	100	112	114

121	124	127	128	132	137 <sub>c</sub>	138	141
147	155	157	158	159	163	167	170
175	184	187	189	196	201	204	205
209	214	218	226 <sub>c</sub>	228	233	240	244
246	265	268	270	276	278	285	288
290	291	298	299	305	331	332	344 <sub>s</sub>
345	346	352	357	359	361	363	371
375	379	386	387	389	394	395	402
415	419	443	470	479	480	482	483 <sub>c</sub>
486	489	490	498	506	508	510	512 <sup>*</sup>
515	516 <sub>c</sub>	521	534	536	543	544	545
547	553	565	574	575	581	582	583
585	586	588	591 <sup>*</sup>	592	597	600	645
652	654	660 <sub>c</sub>	676	685	689	691	696
699	700	713	747	757	758	763	769
780	782	787	788	789	790	794	797
806	824	825	826	828	829	839	845
864	890	897	924	928	929 <sup>*</sup>	932	934
938	939	953	955	958	959	960	961
962	965 <sup>*</sup>	973	974	975	978	980	982
986	987 <sub>s</sub>	992	994	996	1003	1006	1011
1018	1019	1020	1023	1025	1026	1029	1030
1031	1035	1038	1040	1044	1046	1048	1056
1057	1059	1062	1065	1068	1072	1075	1079
1087	1088	1092	1095	1111	1117	1119	1126
1132	1138	1145	1146	1147	1158	1164	1165
1178	1180	1181	1189	1199	1202	1208	1209
1217	1219	1223	1224	1230	1234	1235	1236
1240	1247	1248	1250	1251	1268	1272	1280
1292	1306	1313	1323	1328	1329	1333	1334
1335	1339	1340	1346	1347 <sup>*</sup>	1354	1358	1389
1390	1392	1398	1400	1403	1404	1406	1416
1421	1423	1427	1431	1436 <sup>*</sup>	1445	1448	1453
1456	1461	1462	1469	1475	1476	1477	1480
1482	1483	1486	1487	1488	1489	1490	1492
1493	1496	1497	1499	1501	1503	1504	1508
1509 <sub>c</sub>	1510	1511	1520	1543	1544	1545	1548
1550	1551	1552	1553	1556	1559	1561	1572
1574	1576	1582	1584	1592	1596	1599	1600
1609	1614	1615	1617	1618	1619	1620	1625
1627	1628	1633	1634	1636	1641	1643	1648
1649	1650	1654	1656	1660	1667	1670	1676
1680	1686	1688	1689	1690	1692	1694	1695
1698	1699	1700	1701	1702	1703	1705	1779
1786	1789	1813	1816	1823	2101	2106	2109
2120	2122	2131	2191	2193	2204	2221	2236
2238	2247 <sub>c</sub>	2249	2252	2253	2255	2260	2261
2265	2273	2280	2284	2296	2301	2311	2321
2322	2323	2328	2346	2352	2355	2364 <sub>s</sub>	2367

2382	2399	2400	2404	2405	2407	2444	2452*
2454	2460	2463	2466	2467	2479	2483	2496
2503	2508	2510	2516	2520	2524*	2530	2554
2559	2561	2575	2590	2598	2615	2616	2621
2623	2624	2632	2635	2636	2643	2656	2660
2673	2684	2685	2687	2689	2692	2694	2706
2714	2715	2718	2728	2757	2765	2767	2768
2788s	2794	2806	2809	2810	2886	2902	

9-f1 παντες λεγοντ

1513

10 παλιν

317 333 376 397 423

11 παντες

282 1393 1546 2411

12 λεγοντες

657 664 1001 1050 1241 2175c 2397 2528

W1/2/3/6 παλιν παλιν λεγοντες

46

W1/2/3/4 [παλιν παντες] λεγοντες

888

W8/11 [παλιν παν]τες

P66\*

W1/9 [παλιν παν]τες λεγοντες

P66c\*

Z DEF

P52	P59	P90	P108	04	05	011s	047
087	27	168	179	274s	403	416	472
475	546	573	649	711	730	731s	748
766	771	781	798	830	863	892s	926
930	940	949	976	1041	1131	1182	1293

1343	1344	1349	1435	1467	1540	1560	1565
1571	1590	1638	1712	1803	1804	2177	2179
2188	2290	2307	2316	2372	2414	2418	2517
2567	2584	2634	2649	2679	2693s	2726	2782
2813	2908						

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■ 18, 40/10 λεγοντες  
μη  
τουτον αλλα τον Βαραββαν

1/2-f1 η

1324

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■ 387 18, 40/12 λεγοντες μη  
τουτον  
αλλα τον Βαραββαν

1/2-f1 τουτουτον

745

1/2-f2 τουτον [1]

1143

3 τουτου

1325

W1/2/3 τουτο

788

Z DEF

P52	P59	P60	P108	04	05	011s	047
087	0290	27	168	179	274s	403	416
472	475	514	546	573	649	711	731s
748	749	766	771	781	798	830	863
892s	926	930	940	949	976	1041	1131
1182	1293	1343	1344	1349	1435	1467	1540
1560	1565	1571	1590	1638	1712	1803	1804
2177	2179	2188	2290	2307	2316	2372	2414
2418	2517	2567	2575	2584	2634	2649	2679
2693s	2726	2782	2813	2908			

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■	388	18, 40/16	λεγοντες μη τουτον αλλα τον Βαραββαν ην δε ο Βαραββας ληστης				
1/2	τον						
	61c						
1/2-f1	τον τον						
	1236						
3	OM						
05s	0211	61*	228	525	1009	2145	
Z	DEF						
P52	P59	P60	P66	P90	P108	04	05
011s	047	087	0290	27	168	179	245
274s	350	403	416	419	472	475	546
573	649	711	731s	748	766	771	781
798	830	863	892s	926	930	940	949
976	1041	1131	1182	1293	1343	1344	1349
1435	1467	1540	1560	1565	1571	1590	1638
1712	1803	1804	2177	2179	2188	2290	2307
2316	2372	2414	2418	2517	2567	2584	2634
2649	2679	2693s	2726	2782	2813	2908	
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■ 389 18, 40/18 λεγοντες μη τουτον αλλα τον  
Βαραββαν  
ην δε ο Βαραββας ληστης

1/2	βαραββαν
1640c	2670*
1/2-f1	αραββαν
1128	
1/2-f2	βραββαν
2420	
1/2-f3	ββαββαν



Z	DEF						
P52	P59	P60	P108	04	05	011s	047
087	0290	27	168	179	274s	403	416
419	472	475	546	573	649	711	731s
748	766	771	781	798	830	863	892s
926	930	940	949	976	1041	1131	1182
1293	1343	1344	1349	1435	1467	1540	1560
1565	1571	1590	1638	1712	1803	1804	2177
2179	2188	2290	2316	2372	2414	2418	2517
2567	2584	2634	2649	2679	2693s	2726	2782
2813	2908						

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■ 391 18, 40/22 αλλα τον Βαραββαν ην  
δε  
ο Βαραββας ληστης

1/2-f1 δε δε

680

3 γαρ

2476

Z	DEF						
P52	P59	P60	P108	04	05	011s	047
087	0290	27	168	179	274s	403	416
419	472	475	546	573	649	711	731s
748	766	771	781	798	830	863	892s
926	930	940	949	976	1041	1131	1182
1293	1343	1344	1349	1435	1467	1510	1540
1560	1565	1571	1590	1638	1712	1803	1804
2177	2179	2188	2290	2316	2372	2414	2418
2517	2567	2584	2634	2649	2679	2693s	2726
2782	2813	2908					

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■ 392 18, 40/24-26 ην δε  
ο Βαραββας  
ληστης

1/2 ο βαραββας

1582c 2561c



3 ο βαρβας ουτος  
038 1 1582\* 2702

4 ουτος ο βαρβας  
1654

W ο βαρβας [5]  
2561\*

Z DEF

P52	P59	P60	P90	P108	04	05	011s
047	087	0290	27	168	179	274s	403
416	419	472	475	514	546	573	649
711	731s	748	766	771	781	798	830
863	892s	926	930	940	949	976	1041
1131	1182	1293	1343	1344	1349	1435	1467
1540	1560	1565	1571	1590	1638	1712	1803
1804	2177	2179	2188	2290	2307	2316	2372
2399	2414	2418	2517	2567	2584	2634	2649
2679	2693s	2726	2782	2813	2908		

■ 393 18, 40/24 ην δε  
ο  
Βαρβας ληστης

1/2 ο  
P66c\*

3 OM  
P66\* 05s 513 2195

Z DEF

P52	P59	P60	P108	04	05	011s	047
087	0290	27	168	179	274s	403	416
419	472	475	546	573	649	711	731s
748	766	771	781	798	830	863	892s
926	930	940	949	976	1041	1131	1182
1293	1343	1344	1349	1435	1467	1540	1560
1565	1571	1590	1638	1712	1803	1804	2177
2179	2188	2290	2316	2372	2399	2414	2418

2517	2567	2584	2634	2649	2679	2693s	2726
2782	2813	2908					
=====							
■ 394	18,40/26		ην δε ο Βαραββας ληστης				
1/2	βαραββας						
741c	1032c	1622s*	1676c*				
1/2-f1	ββαραββας						
1622sc1							
1/2-f2	βραβας						
1676*							
1/2-f3	βαραββ[ας]						
P90							
1/2-f4	βαραμβας						
1263							
1/2-f5	παραββας						
2400							
3	βαρναββας						
70	288	1409	2884				
w1/2/3	βαρας						
741*							
w1/2/3	βαββας						
1032*							
Z	DEF						
P52	P59	P60	P66	P108	04	05	011s
047	087	0290	27	168	179	274s	403
416	419	472	475	514	546	573	649

711	731s	748	766	771	781	798	830
863	892s	926	930	940	949	976	1041
1131	1182	1293	1343	1344	1349	1435	1467
1540	1560	1565	1571	1590	1638	1712	1803
1804	2177	2179	2188	2290	2307	2316	2372
2399	2414	2418	2517	2567	2584	2634	2649
2679	2693s	2726	2782	2813	2908		
=====							

■ 395            18, 40/28            ην δε ο Βαραββας  
ληστης

1/2-f1        ιληστης

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3                ληστης εισηλθεν ουν ο πιλατος ... εγω εις τουτο γεγεννημαι ...

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Z                DEF

P52	P59	P60	P108	04	05	011s	047
087	0290	27	168	179	274s	403	416
419	472	475	546	573	649	711	731s
748	766	771	781	798	830	863	892s
926	930	940	949	976	1041	1131	1143
1182	1293	1343	1344	1349	1435	1467	1540
1560	1565	1571	1590	1638	1712	1803	1804
2177	2179	2188	2290	2307	2316	2372	2414
2418	2517	2567	2584	2634	2649	2679	2693s
2726	2782	2813	2908				