

**THE TORAH CODE (Bible Code)
HYPOTHESIS,
THE NULL HYPOTHESIS
AND ALAMEDA STUDENTS**

**Will Alameda Student Names and Alameda
appear in Smaller Matrices
in the Torah than in a Control Text?**

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RESEARCH

The first Torah Codes experts were Eliyahu Rips, Doron Witztum, and Yoav Rosenburg. They published findings (the WRR Study) in *Statistical Science* showing 66 famous Rabbis encoded with birth and death dates, and claimed the odds for his being due to chance was 16 out of one million. This was unchallenged until Dr. Brendan McKay said he could do the same with other non-religious texts, and that the WRR Study played with transliteration to get their results.

McKay says the code is bogus. He did an analysis on *Moby Dick*. In it he showed that he could find a matrix that said *Kennedy* near *He will be killed*. But this matrix required a large row split and did not have the two terms crossing. In the Torah it says *Yitzchak Rabin* (the Prime Minister of Israel) and directly crossing his name is *Assassin will assassinate*. No row split is needed to see these terms – so this plot looks better than what is found in *Moby Dick*. Some even think there is a code saying there is no code

There are a few people with doctorates in math who say the codes are real. Dr. Robert Haralick is Chairman of the Computer Science Department at City University of New York. He wrote the Foreword for my father's book, *ARK CODE*. He also points to assassination plots and birth and deaths of famous people. For some of these, the odds that they are there due to chance is less than one in a million. But still McKay argues that similar plots can also be found in *War and Peace* or *Moby Dick*. Each side tries to point out flaws in techniques of the opposition. So it seems the controversy will continue for a while.

In Michael Drosnin's first book, *The Bible Code*, he says on page 107 that *Hiroshima* is encoded at skip 1,945, the same year as when we dropped an atomic bomb on that city. But in my father's book, he points out that there are many ways to spell *Hiroshima* in Hebrew. The way Drosnin spells it you can find a *Hiroshima* at most skips checked, so it's not significant. To show that something is really different in the Torah, my father has looked for and found maps with places encoded at the correct course angles. Dr. McKay could not find these or anything like them in *Moby Dick* or *War and Peace*, but he thinks that's because he hasn't spent as much time looking as my father did.

The Codes will not be proven until people can start to use them for accurate predictions, or do something like my father is trying to do – find the Ark of the Covenant or something else important missing for a long time.

In conclusion there are people who believe in the codes and those who don't. No one knows if the codes are real. There are so many spellings for each word in Hebrew so sometimes you don't know if you got it right. Also the Control sometimes gets better results. Based on my research, I think the codes may be real because the average results are better, but people need to use caution because you can find good matches in the control. Also people should watch how they interpret things and should not base their lives on it.

PROCEDURE

1. Open CodeFinder.
2. Open the Torah or Control in the software.
3. Set the skips at -140,000 and 140,000. This will allow the software to search at skips (Equidistant Letter Sequence or “ELS”) of -140,000, -139,999, -139,998, etc to up +140,000 where – means backwards and + means forward direction. For a skip of, say, 1,435, the computer will arrange the text with 1,435 letters on each line. If the skip of the axis term (first term sought) is 100,000 the computer will arrange the text with 100,000 letters on one line if the row split function is disabled. But if the row split of 2 is chosen, it will only put 50,000 letters on one line, and with a row split of 4, it will put 25,000 letters on one line.
4. Open the virtual Hebrew keyboard on the software and type the name you are searching for. Note you will need the Hebrew spelling. There are many ways to transliterate a Hebrew name into English. Try to find spellings that appear at an ELS in both the Torah and in the Control.
5. Type *Alameda* on the virtual keyboard. Note you will need the Hebrew spelling. If you want to look for some other word, open the dictionary in CodeFinder and type in the word in English. Then double click on the word – it will appear in the search window in Hebrew.
6. Put on settings of 160 rows by 160 columns.
7. Click search. The first search is conducted with row split function set on *automatic* (where the computer automatically finds the best match).
8. Click on the Hebrew name near the number of matches.
9. Click on every box and see which box is smallest. Note; if there are too many results reduce the number of rows and columns in settings. If there are no matches increase the number of rows and columns in settings or increase the skips.
10. Disable the row split.
11. Find the smallest box out of the two ways, with automatic row split and with it disabled. Record the smallest find in the Results.

RESULTS

ALAMEDA COMMUNITY LEARNING CENTER	ACLC TORAH SMALL	ACLC CONTROL SMALL	ACLC TORAH BIG	ACLC CONTROL BIG
STUDENT NAME	ALAMEDA	ALAMEDA	ALAMEDA	ALAMEDA
ALEX BANKS	2365	1386	1470	3784
MIKANA CAMECHO	4550	1978	2784	1221
MICAH CARMINGTON	1037	300	3740	1911
JESSICA DUBOW	294	341	700	405
NICOLE EGGETT	204	147	546	476
MELANIE FALCONER	3696	1224	5916	27025
SAMUEL FLORES	2862	2940	9476	14647
SARA GASSNER-WOLLW	399	275	1406	2040
SIMON HIGGINS	1024	551	5335	5845
TIGRAY KAHSAI	2491	1989	6188	5329
ZANE LITTLE	320	351	2496	1408
CHRISTINA MCKEE	1632	1564	4800	7154
AVA MCRORY	256	66	465	777
MASON MENDOZA	630	1232	2420	5699
RYAN MIYASHIRO	572	360	1700	2236
F. NANNIZI	192	286	366	387
LAUREL OCONNER	133	208	646	777
GEORGE ORTEGA TANNER	1089	838	1333	5325
YEE RI SHIRL PARK	4158	1946	6413	4324
MALLORY PENNY	1562	483	5047	2538
KAILA POLLART	2520	3658	8755	1188
G. (GEORGE) POMORTSEV	1925	1207	2924	342
ANASTASIA RODRIGUEZ	403	1890	3870	62059
DAVID ROFFMAN	806	169	2442	1118
ASHLEIGH RONDON-DAVIS	165	169	64	504
ZACHARY RUNG	3100	2485	8064	8471
ELEIA SAMONTE	800	561	3450	1850
JOSHUA TAFAOA	2397	2880	7740	2813
ALEX VERCOUTERE	1260	299	2484	989
JULIAN VERCOUTRE	2368	924	3713	13728
	TOTAL	TOTAL	TOTAL	TOTAL
	45210	32707	106753	186370
	AVERAGE	AVERAGE	AVERAGE	AVERAGE
	1507	1090.23333	3558.433333	6212.333333

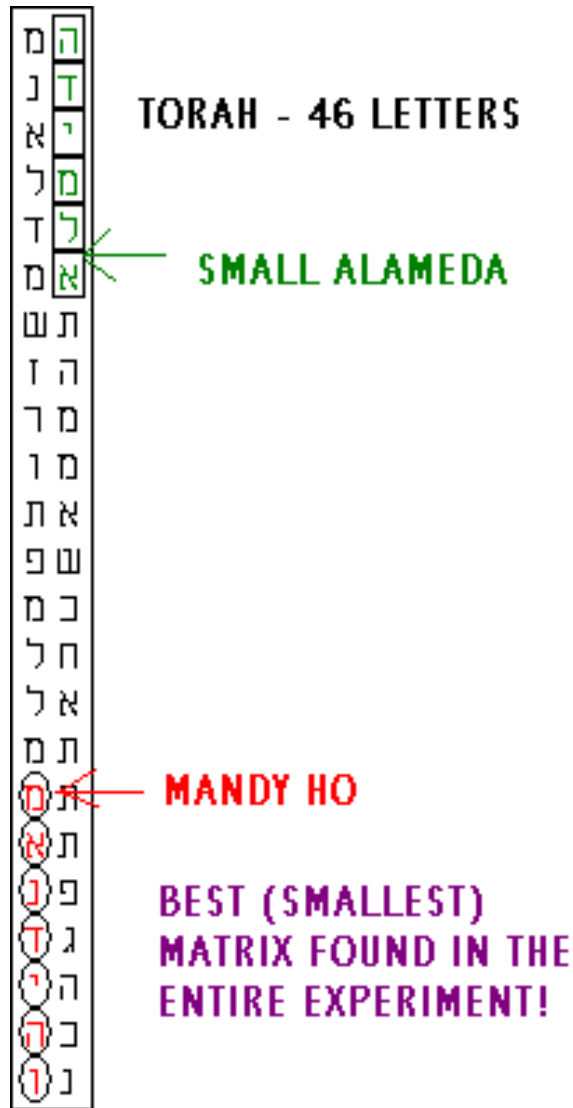
RESULTS (Continued)

CHIPMAN MIDDLE SCHOOL	CHIPMAN TORAH SMALL ALAMEDA	CHIPMAN CONTROL SMALL ALAMEDA	CHIPMAN TORAH BIG ALAMEDA	CHIPMAN CONTROL BIG ALAMEDA
ANGEL AVELLO	680	391	2010	2072
ROBI BARTLETT	416	2419	1850	2009
JACKY CHEN	144	168	343	722
KARLA COLEMAN	1952	2888	5023	1922
PHILLIP CORNEJO	1711	2932	10985	4455
MANDY HO	46	169	285	507
VINCE HOANG	924	836	2040	5254
JESSICA HUANG	456	399	650	368
PETER HUANG	1430	1408	1716	3245
WILSON LI	120	108	189	247
RYAN MAN	136	186	390	260
TOAN NGUYEN	952	912	3151	1539
JASMIN ODION	2142	2385	3696	7504
HELENA ORTIZ	600	483	2765	1316
MIGUEL PATINO	999	760	1591	1632
ISAAC RANSTEAD	1476	3640	4360	5002
RISTI TEWOLDE	1536	624	17712	12342
APRIL TIMOTI	576	1100	1247	845
	CHIPMAN TOTAL	CHIPMAN TOTAL	CHIPMAN TOTAL	CHIPMAN TOTAL
	16296	21808	60003	51241
	AVERAGE	AVERAGE	AVERAGE	AVERAGE
	905.333333	1211.55556	3333.5	2846.72222
	ALCL TOTAL	ACLCL TOTAL	ACLCL TOTAL	ACLCL TOTAL
	45210	32707	106753	186370
	AVERAGE	AVERAGE	AVERAGE	AVERAGE
BOTH SCHOOLS COMBINED RESULTS, BOTH SPELLINGS OF ALAMEDA	1507	1090.23333	3558.433333	6212.333333
TORAH = 228,262 LETTERS	COMBINED TOTAL	COMBINED TOTAL	COMBINED TOTAL	COMBINED TOTAL
AVERAGE TORAH MATRIX = 2,377.7291667 LETTERS	61506	54515	166756	237611
CONTROL = 292,126 LETTERS	COMBINED SCHOOLS	COMBINED SCHOOLS	COMBINED SCHOOLS	COMBINED SCHOOLS
AVERAGE CONTROL MATRIX = 3,042.97916 LETTERS	AVERAGE	AVERAGE	AVERAGE	AVERAGE
	1281.375	1135.72917	3474.083333	4950.229167
SMALLEST MATRICES BOTH SCHOOLS	TORAH SMALL ALAMEDA	CONTROL SMALL ALAMEDA	TORAH BIG ALAMEDA	CONTROL BIG ALAMEDA
	19	29	26	22
SMALLEST MATRICES BOTH SCHOOLS BOTH SPELLINGS	BOTH SPELLINGS TORAH	BOTH SPELLINGS CONTROL		
	45	51		

ENGLISH NAMES OF ALCL STUDENTS	TRANSLITERATION FOUND SKIPS – 140,000 TO +140,000	HITS IN TORAH	LETTERS IN TORAH MATRIX אלמידה	LETTERS IN CONTROL MATRIX אלמידה	LETTERS IN TORAH MATRIX אלמידה	LETTERS IN CONTROL MATRIX אלמידה
ALEX BANKS	אלכשבנכש (4 th TRY)	4	2365	1386	1470	3784
MIKANA CAMECHO	מקנהכימכ	4	4550	1978	2784	1221
MICAH CARMINGTON	כרמנגתנ	9	1037	300	3740	1911
ASHLEIGH DAVIS	אשלידוש	329	165	169	64	504
JESSICA DUBOW	ישקהדבו	90	294	341	700	405
NICOLE EGGETT	נקלאגת	46	204	147	546	476
MELANIE FALCONER	מלנפלקנר or מלניפלקנר	1	3696 מלנפלקנר	1224 מלנפלקנר	5916 מלנפלקנר	27025 מלניפלקנר
SAMUEL FLORES	שמואלפּלרֶש or שמואלפּלרש	1	2862 מואלפּלרֶש ש	2940 מואלפּלרש ש	9476 מואלפּלרֶש ש	14,647 שמואלפּלרש
SARA GASSNER- WOLLW	שרהגשנר	28	399	275	1406	2040
SIMON HIGGINS	שימנהגנש	3	1024	551	5335	5845
TIGRAY KAHSAI	תיגריקשי	3	2491	1989	6188	5329
ZANE LITTLE	זינליתל	82	320	351	2496	1408
CHRISTINA MCKEE	קרשתנמקי or כרשתנמקי	3	1632 קרשתנמקי	1564 כרשתנמקי	4800 כרשתנמקי	7154 כרשתנמקי

ENGLISH NAME OF ALCL STUDENTS	TRANSLITERATION FOUND SKIPS – 140,000 TO +140,000	HITS IN TORAH	LETTERS IN TORAH MATRIX אלמידה	LETTERS IN CONTROL MATRIX אלמידה	LETTERS IN TORAH MATRIX אלאמידה	LETTERS IN CONTROL MATRIX אלאמידה
AVA MCRORY	אבאמקרי	263	256	66	465	777
MASON MENDOZA	משנמנדשה	8	630	1232	2420	5699
RYAN MIYASHIRO	רינמאשיר	64	572	360	1700	2236
<u>F. NANNIZZI</u>	פנניזי	249	192	286	366	399
LAUREL OCONNER	לרלאכנר	250	133	208	646	777
<u>GEORGE TANNER</u>	גורגתנר	3	1089	838	1333	5325
YEE RI SHIRL PARK	ירשרלפרק	3	4158	1946	6413	4324
MALLORY PENNY	מלריפנני	8	1562	483	5047	2538
KAILA POLLART	קאלאפלת	4	2520	3658	8755	1188
<u>G. (GEORGE) POMORTSEV</u>	גפמורצב	5	1925	1207	2924	342
<u>ANASTASIA RODRIGUEZ</u>	ארדריגז	5	403	1890	3870	62059
DAVID ROFFMAN (Transferred to Chipman)	דודרפמן	17	806	169	2442	1118
ZACHARY RUNG	זכרינג	1	3100	2485	8064	8471
ELEIA SAMONTE	אליאשמנתי	9	800	561	3450	1850
JOSHUA TAFAOA	יהושעתפוא	1	2397	2880	7740	2813
ALEX VERCOUTERE	אלברכתרי	21	1260	299	2484	989
JULIAN VERCOUTRE	יילינברכתרי	2	2368	924	3713	13728

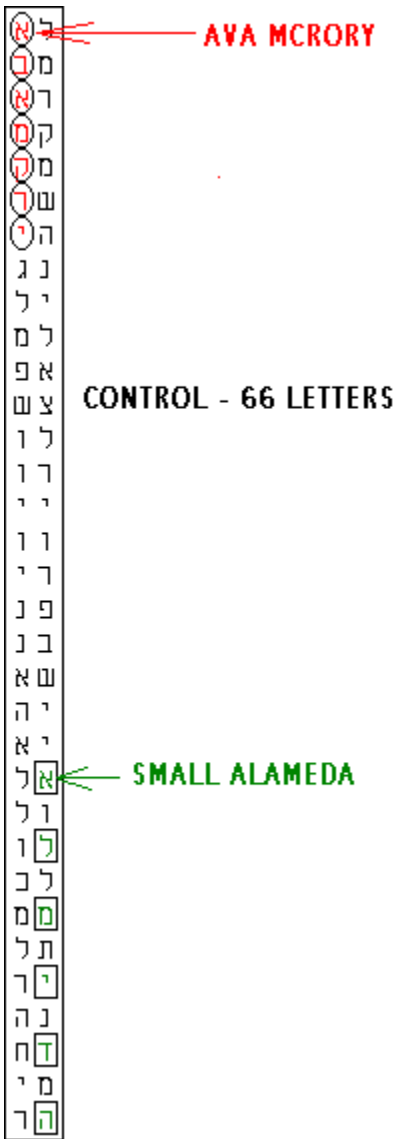
ENGLISH NAME of CHIPMAN STUDENTS	TRANSLITERATION FOUND SKIPS – 140,000 TO +140,000	HITS IN TORAH	LETTERS IN TORAH MATRIX אלמידה	LETTERS IN CONTROL MATRIX אלמידה	LETTERS IN TORAH MATRIX אלאמידה	LETTERS IN CONTROL MATRIX אלאמידה
1. ANGEL AVELLO	אנגלאולו	13	680	391	2010	2072
2. ROBI BARTLETT	רוביברתלת	2	416	2419	1850	2009
3. JACKY CHEN	יאקישין	299	144	168	343	722
4. KARLA COLEMAN	קרלאכלמן	3	1952	2888	5023	1922
5. PHILLIP CORNEJO	פלפכרניה	1	1711	2932	10985	4455
6. MANDY HO	מאנדיהו	623	46	169	285	507
7. VINCE HOANG	ונשהואנג	69	924	836	2040	5254
8. JESSICA HUANG	ישקההנג	20	456	399	650	368
9. PETER HUANG	פתרהאנג	5	1430	1408	1716	3245
10. WILSON LI	ולישונלי	1097	120	108	189	247
11. RYAN MAN	ריאנמאן	352	136	186	390	260
12. TOAN NGUYEN	תואונגיין	70	952	912	3151	1539
13. JASMIN ODION	ישםנאדיון	3	2142	2385	3696	7504
14. HELENA ORTIZ	הלינורתז	1	600	483	2765	1316
15. MIGUEL PATINO	מגלפתנו	13	999	760	1591	1632
16. ISAAC RANSTEAD	ישקרנשתד	2	1476	3640	4360	5002
17. RISTI TEWOLDE	רשתיתולדי	1	1536	624	17712	12342
18. APRIL TIMOTI	אפרלתמתי	26	576	1100	1247	845



MANDY HO TORAH SMALL ALAMEDA

Term	Translation	Skip	Start	End
מאנדיהו	Mandy Ho	81672	Exodus Ch 25 V 18 Letter 28	Deuteronomy. Ch 31 V 14 Letter 59
אלמידה	Alameda	-81672	Exodus Ch 34 V 20 Letter 17	Genesis Ch 21 V 25 Letter 28

The ELS reference is 81672 characters between rows.
 There are 2 displayed terms in the matrix.
 The matrix starts at Genesis Ch 21 V 25 Letter 28 and ends at Deuteronomy Ch 31 V 14 Letter 59.
 The matrix spans 1796786 characters of the surface text.
 The matrix has 23 rows, is 2 columns wide and contains a total of 46 characters.



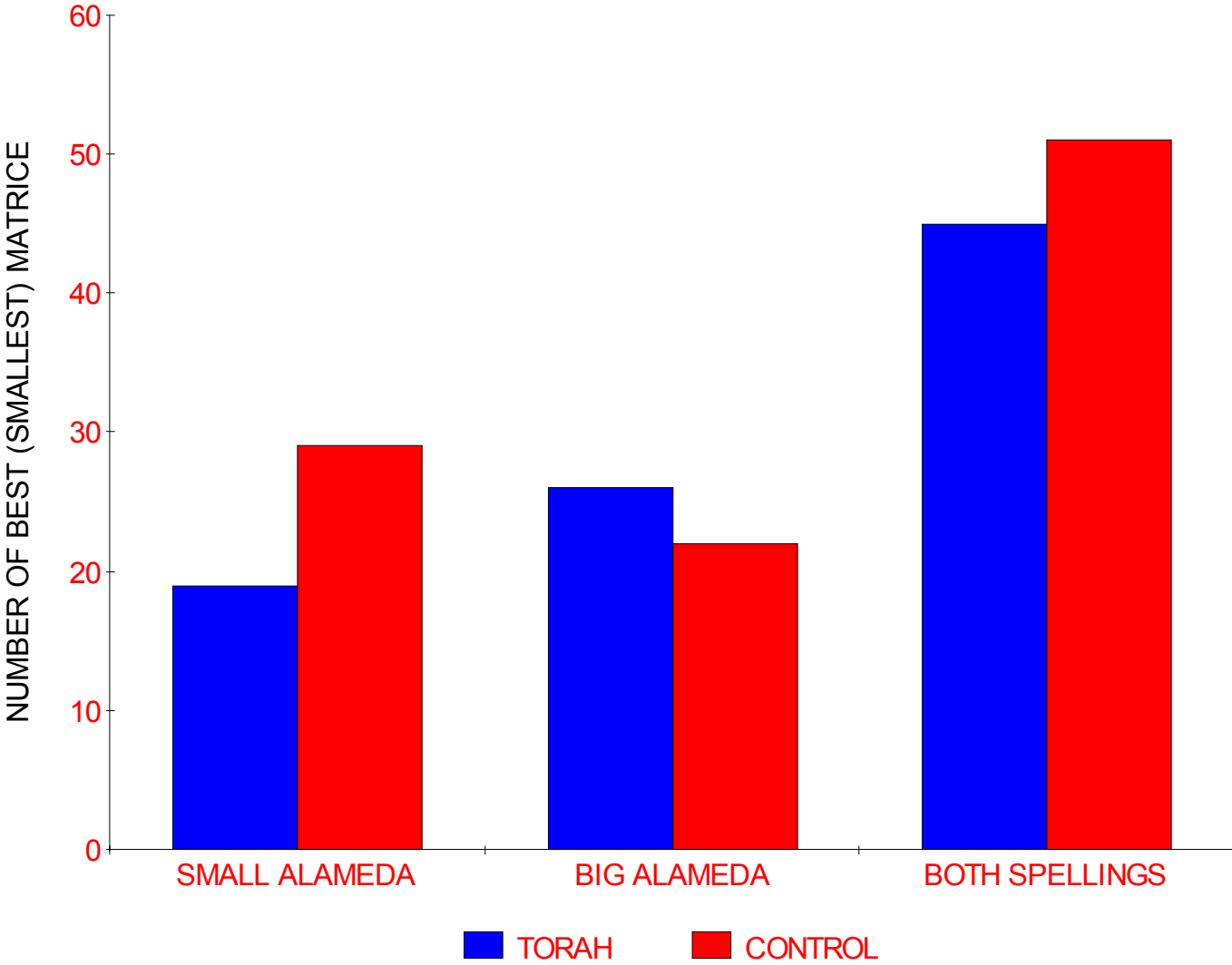
BEST (SMALLEST) MATRIX IN THE CONTROL

AVA MCRORY CONTROL LITTLE ALAMEDA

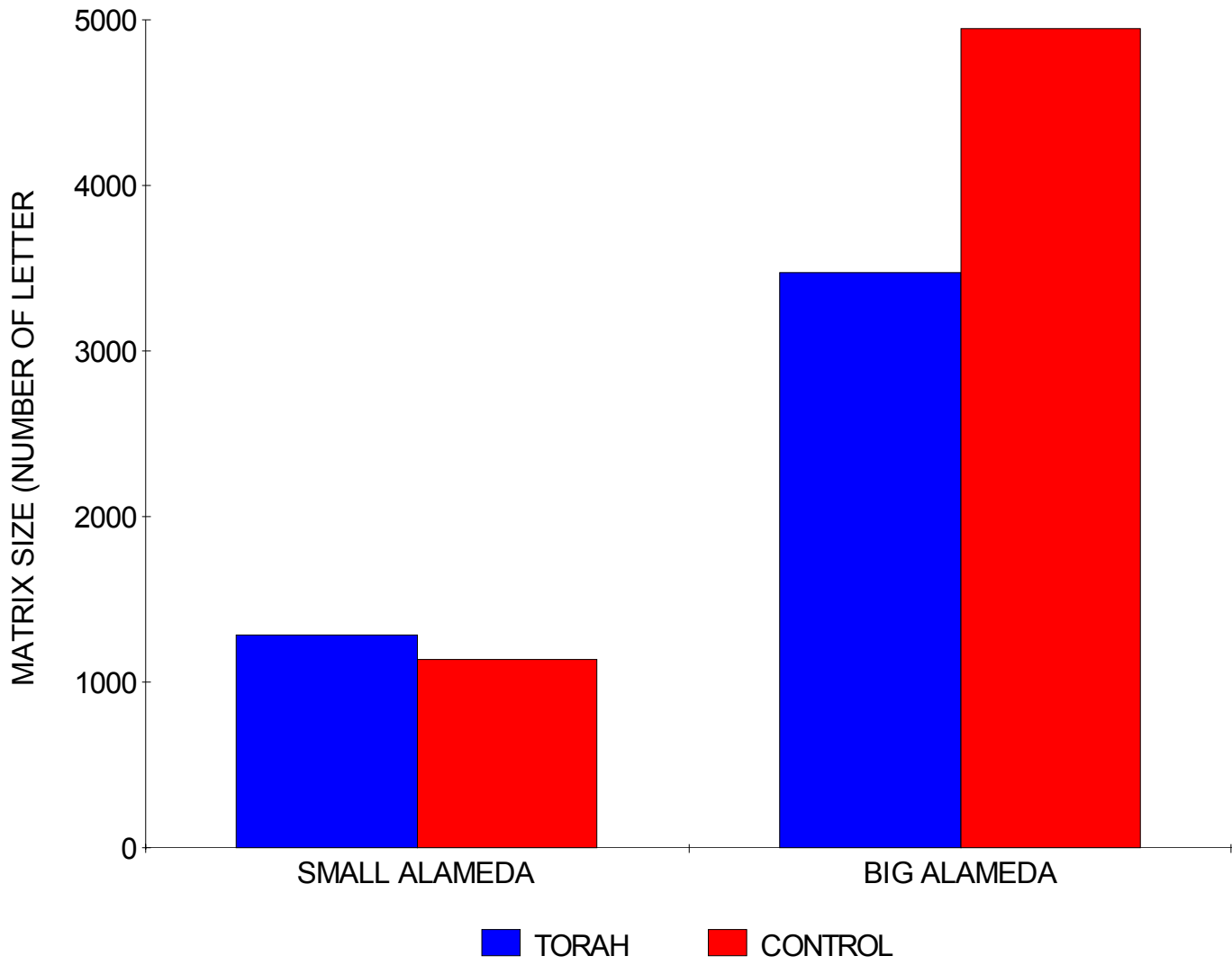
Term	Translation	Skip	Start	End
אבאמקרי	Ava McCrory	37960	-176242	99197
אלמידה	Alameda	75920	96946	171741

The ELS reference is 37960 characters between rows.
There are 2 displayed terms in the matrix.
The matrix starts at 176241 and ends at 171742.
The matrix spans 1214722 characters of the surface text.
The matrix has 33 rows, is 2 columns wide and contains a total of 66 characters.

COMPARISON OF WINS (SMALLEST MATRICES)



COMBINED SCHOOLS - OVERALL AVERAGES



Observations

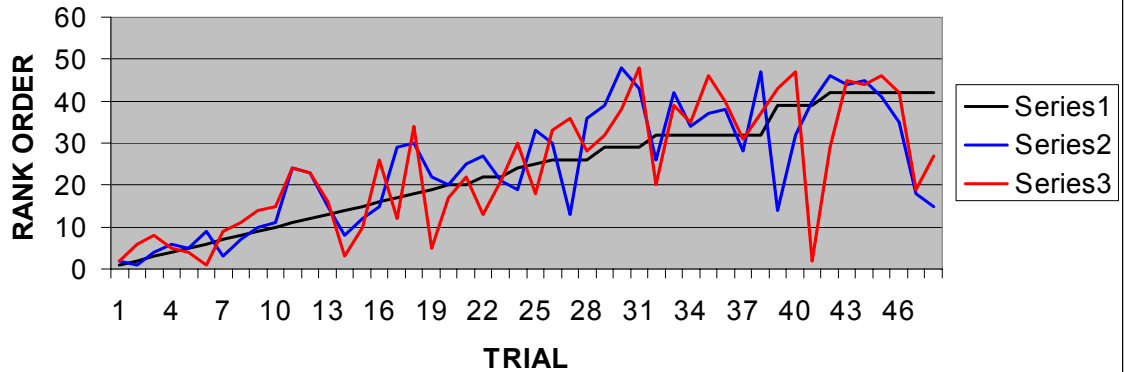
Here is a list of what I noticed:

- I learned how to use this software from this experiment. At first I made a lot of mistakes, but with practice I got better. It's good that I repeated my first searches because I found the mistakes when I repeated these searches.
- For some names I had to use different spellings for torah and control because it didn't appear in both. This was so for Melanie Falconer, Sarah Gassner and Christina Mckee.
- There is a difference the number of letters in a matrix when you switch the order of search from the student's name first to Alameda first.
- I may not have always found the smallest box because I did not check every option. There are so many possibilities it would take a very long time. For example, if I set the search for 40 rows by 40 columns, I would not have found a matrix that was three columns by 60 rows.
- For some students I could only find their last name and an initial for the first name.
- I observed that the Torah won in big Alameda in ACLC and the overall results, but the control won in small Alameda in ACLC and in big Alameda for Chipman it won.
- The control sometimes had giant plots thousands of letters more than the Torah. The few control plots that were so large (like 62,059 letters for A. Rodriguez in the Control for big Alameda) that it had a big impact on average sizes for the Control.
- The longest name found in both Torah and control was 10 letters for Samuel Flores and Julian Vercoutre.
- Some students had English names taken from Hebrew – like Isaac, Sarah, Samuel, David, and Joshua, but I could not always find the correct Hebrew spelling of that first name with the last name in an ELS. Sometimes I had to use a transliteration of how the name is pronounced in English, rather than use the correct Hebrew spelling. This was true with Isaac (which is pronounced Yitzchak in Hebrew).
- The shortest name used was 6 letters for F. Nannizzi.
- The larger the number of hits for a name, the smaller the best matrices tended to be because I had more matrices to choose from. This was true for the Torah and the Control.

NAME	FREQUENCY RANK	HITS IN TORAH	SMALL ALAMEDA MATRIX SIZE IN TORAH	SMALL ALAMEDA RANK IN TORAH	SMALL ALAMEDA MATRIX SIZE IN CONTROL	SMALL ALAMEDA RANK IN CONTROL
Wilson Li	1	1097	120	2	108	2
Mandy Ho	2	623	46	1	169	6
Ryan Man	3	352	136	4	186	8
Ashley Davis	4	329	165	6	169	5(tie)
Jacky Chen	5	299	144	5	168	4
Ava Mcrory	6	263	256	9	66	1
Laurel Oconner	7	250	133	3	208	9
F. Nannizzi	8	249	192	7	286	11
Jessica Dubow	9	90	294	10	341	14
Zane Little	10	82	320	11	351	15
Toan Nguyen	11	70	952	24	912	24
Vince Hoang	12	69	924	23	836	23
Ryan Miyashiro	13	64	572	15	360	16
Nicole Eggett	14	46	204	8	147	3
Sara Gassner	15	28	399	12	275	10
April Timot	16	26	576	15 (tie)	1100	26 (tie)
Al Vercoutere	17	21	1260	29	299	12
Jessica Huang	18	20	1430	30 (tie)	1408	34
David Roffman	19	17	806	22	169	5(tie)
Angel Avello	20	13	680	20	391	17
Miguel Patino	21 (tie for 20)	13	999	25	760	22
Carmington	22	9	1037	27	300	13
Eleia Samonte	23 (tie for 22)	9	800	21	561	21
Mason Mendoza	24	8	630	19	1232	30
Mallory Penny	25 (tie for 24)	8	1562	33	483	18

NAME	FREQUENCY RANK	HITS IN TORAH	SMALL ALAMEDA MATRIX SIZE IN TORAH	SMALL ALAMEDA RANK IN TORAH	SMALL ALAMEDA MATRIX SIZE IN CONTROL	SMALL ALAMEDA RANK IN CONTROL
Peter Huang	26	5	1430	30 (tie)	1408	33
A Rodriguez	27 (tie for 26)	5	403	13	1890	36
G.Pomortsev	28 (tie for 26)	5	1925	36	1207	28
Alexs Banks	29	4	2365	39	1386	32
Mikana Camecho	30 (tie for 29)	4	4550	48	1978	38
Kaila Pollart	31 (tie for 29)	4	2520	43	3658	48
Simmon Higgins	32	3	1024	26	551	20
Tigray Kahsai	33 (tie for 32)	3	2491	42	1989	39
Christina McKee	34 (tie for 32)	3	1632	34	1564	35
Karla Coleman	35 (tie for 32)	3	1952	37	2888	46
Jasmin Odion	36 (tie for 32)	3	2142	38	2385	40
George Tanner	37 (tie for 32)	3	1089	28	1333	31
Yee Ri Shirl Park	38 (tie for 32)	3	4158	47	1946	37
Robi Bartlett	39	2	416	14	2419	43
Isaac Ranstead	40 (tie for 39)	2	1476	32	3640	47
Julian Vercoutere	41 (tie for 39)	2	2368	40	924	2
Melanie Falconer	42	1	3696	46	1224	29
Samuel Flores	43 (tie for 42)	1	2862	44	2840	45
Zachary Rung	44 (tie for 42)	1	3100	45	2485	44
Joshua Tafaoa	45 (tie for 42)	1	2397	41	2880	46
Phillip Cornejo	46 (tie for 42)	1	1711	35	2392	42
Helen Ortiz	47 (tie for 42)	1	600	18	483	19
Risti Tewolde	48 (tie for 42)	1	576	15 (tie)	1100	27

**CORRELATION BETWEEN FREQUENCY OF
UDENT NAMES IN THE TORAH AND RANK
ORDER OF TORAH AND CONTROL MATRICES**

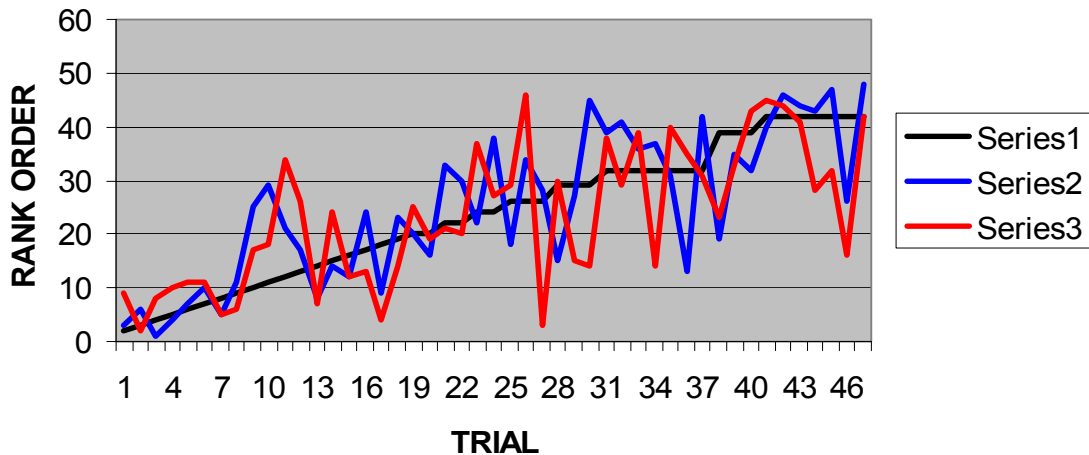


**SERIES 1 = THE RANK ORDER OF FREQUENCY OF NAMES
BETWEEN SKIPS -140,000 AND +140,000**

**SERIES 2 = THE RANK ORDER OF MATRIX SIZES FOR STUDENT
NAMES AND SMALL ALAMEDA (אלמ'דה) IN TORAH**

**SERIES 3 = THE RANK ORDER OF MATRIX SIZES FOR STUDENT
NAMES AND SMALL ALAMEDA IN CONTROL**

CORRELATION BETWEEN FREQUENCY OF STUDENT NAMES IN THE TORAH AND RANK ORDER OF TORAH AND CONTROL MATRICES



SERIES 1 = THE RANK ORDER OF FREQUENCY OF NAMES BETWEEN SKIPS -140,000 AND +140,000

SERIES 2 = THE RANK ORDER OF MATRIX SIZES FOR STUDENT NAMES BIG ALAMEDA (אָד'ן אַלמֵדָא) IN TORAH

SERIES 3 = THE RANK ORDER OF MATRIX SIZES FOR STUDENT NAMES AND BIG ALAMEDA IN CONTROL

APPLICATIONS AND EXTENSIONS

There are all kinds of things that some people think they can find in the codes such as the location of the Ark of the Covenant, major events, world leaders and important things about Israel. A theory is that important things are more likely to be found than minor things such as names of some guy on the street. This is a list of things to be encoded from most likely to least likely.

- The location of the Ark on the Covenant (This is needed to restore the Temple in Jerusalem). My father has a book named *Ark Code* that shows key site names are encoded in such manner as to have the angles between Jerusalem, Arabic sites, and a suspect Ark site in Northern Egypt the same as actual course headings on real world maps. When Dr. Brendan McKay of Australian National University tried to reproduce maps like these in a Control text, he failed. The maps only appeared in the Torah.
- Important events in the world especially pertaining to Israel. Michael Drosnin wrote two books about this and the next two items. Many of his plots (but not all) can be reproduced in Control texts. While Drosnin's work made the Bible Code famous, it has been widely attacked because he didn't use good scientific techniques.
- Major world leaders.
- Events in the headlines.
- Places and times of births of important people. Dr. Eliyahu Rips, Doron Witztum, and Yoav Rosenberg published a study in *Statistical Science* in 1994 showing 66 rabbis encoded in Torah with birth dates. This was the study that made Bible Code studies serious for many scientists and mathematicians.
- Birth and places of regular people.
- Everyone and everything that has ever happened.

Asking for everyone encoded along with their whole life's history is almost impossible without changing the Torah's actual story. In all of Earth's past and present there have been including the dead over 12 billion people! To include all of them and have the Bible remain intact is too much to ask for. The further you go down the scale the less the chance of finding information in any manner other than chance. This experiment shows the need for caution in evaluating any single matrix without looking at Controls.

CONCLUSION

The Torah Codes hypothesis is that there will be smaller boxes for related things in the Torah than in the Control. The Null hypothesis is that there is no significant difference in size between the Torah and the Control. There were mixed results for both hypotheses in this experiment.

The control won more often in the following ways:

- The small Alameda (אלמדה) had a 10 more victories (the Torah had 19 victories and the control 29) and smaller average matrices (1,135.7 letters for the Control to 1,281.4 letters for the Torah).
- Overall, the Control had more victories than the Torah (by a margin of 51 to 45). This was the most important victory for the Control.

The Torah won in the following Categories:

- For the bigger (better spelling of) Alameda (אלאמידא) the overall average matrices were smaller in the Torah (3,474 letters to 4,950 letters).
- More victories in the bigger Alameda (אלאמידא) (26 Torah to 22 Control)
- The total combined averages for big alameda (אלאמידא) and small alameda (אלמדה) were smaller than in the control. The 96 Torah matrices required 228,262 letters to yield an average matrix size of 2,377.73 letters. The 96 Control matrices had 292,126 letters to give an average matrix size of 3,042.98 letters. This is the most important victory for the Torah.

The Torah won overall on average because the Control more often had matrices many thousands of letters bigger than the Torah. This is mostly because of some very large matrices for big Alameda. There was only about 146 letters difference when the Control beat the Torah in the smaller spelling of Alameda, but when the bigger, better spelling of Alameda was used, the Torah won by about 1,476 letters. The Torah also won by 26 to 22 matrices when the big spelling of Alameda was used, but because different spellings of Alameda produced opposite results, more research is needed. More victories for the Control overall means we can not yet reject the null hypothesis that there is no difference between Torah and Control when it comes to this kind of prediction.