

## KEN FAUX – NATIVE AMERICAN FINDINGS ON GEDMATCH CALCULATORS

As will be seen consistently below, irrespective of which Gedmatch calculator is used, Ken has approximately the same percentage of Native American (or surrogate / proxy such as East Asian or Siberian) on each. Frankly this comes as a surprise to the author (his son) since until recently the latter did not bother testing his father on these calculators since the genealogy is very clear with both of his parents being born in England. The only “unknown” is a great great grandmother, Maria Hannah MILLER, “*an American lady*” (sons obituary) who married a British soldier Sgt. Maj. William WORRILL in Quebec City, Canada. She is a likely source for the ancestry described below.

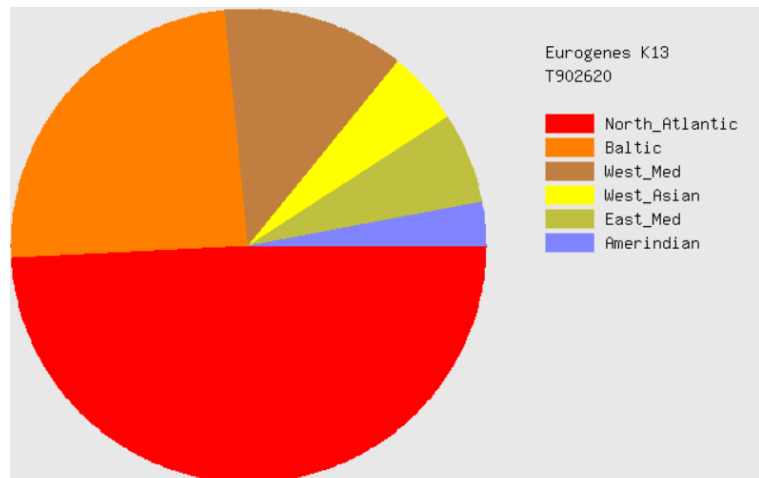
What follows are a series of **Gedmatch** calculator results from a variety of projects, as well as **yourDNAportal**. See Gedmatch [here](#) and yourDNAportal [here](#) for further information.

### Gedmatch:

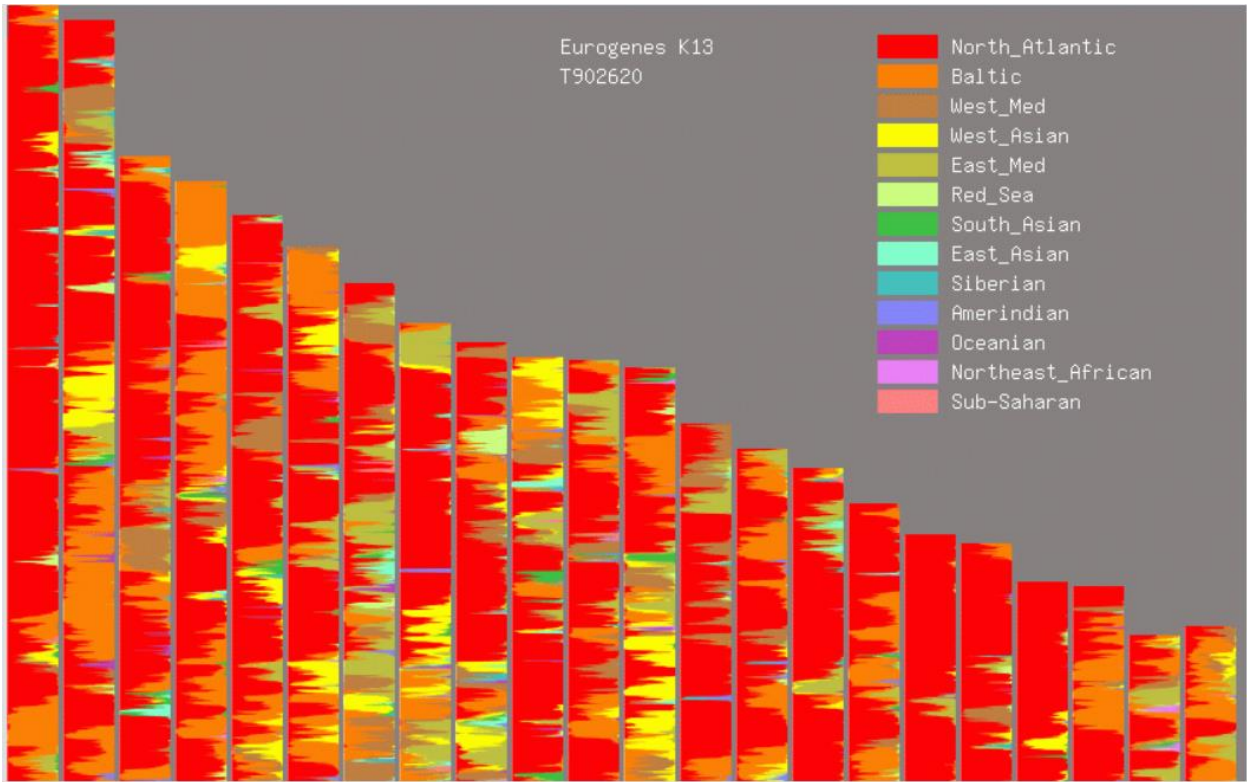
#### 1) Eurogenes K13:

| Population        |           |
|-------------------|-----------|
| North_Atlantic    | 49.06 Pct |
| Baltic            | 24.26 Pct |
| West_Med          | 12.64 Pct |
| West_Asian        | 5.08 Pct  |
| East_Med          | 5.98 Pct  |
| Red_Sea           | 0.28 Pct  |
| South_Asian       | -         |
| East_Asian        | 0.52 Pct  |
| Siberian          | -         |
| Amerindian        | 1.57 Pct  |
| Oceanian          | 0.4 Pct   |
| Northeast_African | -         |
| Sub-Saharan       | 0.21 Pct  |

Oracle

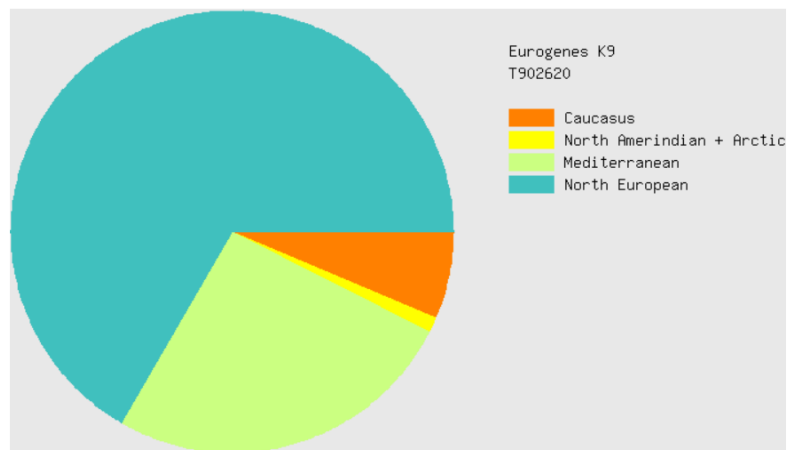


Below is the chromosome painting relating to this test. Although difficult to read (any beyond 13 or so become difficult to see the different ancestries embedded in a confusing matrix). A careful inspection will show some of the, albeit small, segments that are Amerind or East Asian (the latter can (and was in the early days of genetic testing) in many cases be used as a substitute for Native American due to the genetic similarities between the two).



2) Eurogenes K9:

|   |           |
|---|-----------|
| Population  |           |
| South Asian   | -         |
| Caucasus  | 6.45 Pct  |
| Southwest Asian   | -         |
| North Amerindian + Arctic                                       | 1.13 Pct  |
| Siberian  | 0.36 Pct  |
| Mediterranean   | 25.75 Pct |
| East Asian  | -         |
| West African  | 0.06 Pct  |
| North European  | 66.25 Pct |
| No reference data for this calculator so Oracle is unavailable. |           |



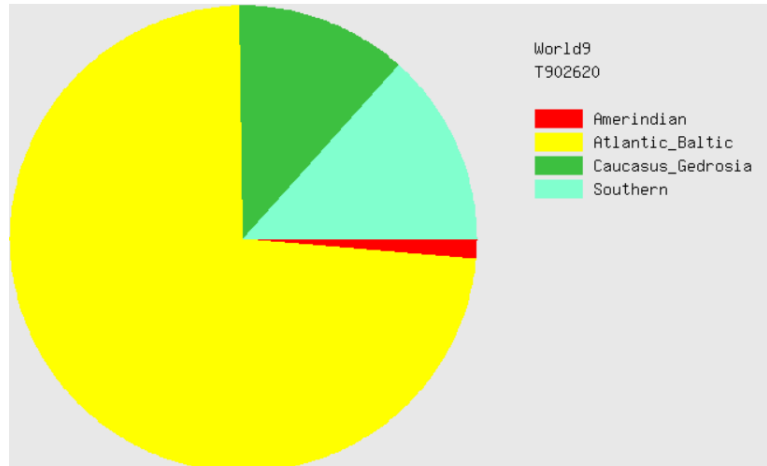
### 3) Dodecad World9:

| Population        |           |
|-------------------|-----------|
| Amerindian        | 1.39 Pct  |
| East_Asian        | -         |
| African           | 0.09 Pct  |
| Atlantic_Baltic   | 73.23 Pct |
| Australasian      | -         |
| Siberian          | 0.78 Pct  |
| Caucasus_Gedrosia | 11.92 Pct |
| Southern          | 12.59 Pct |
| South_Asian       | -         |

Oracle

Oracle-4

UNDER  
DEVELOPMENT:

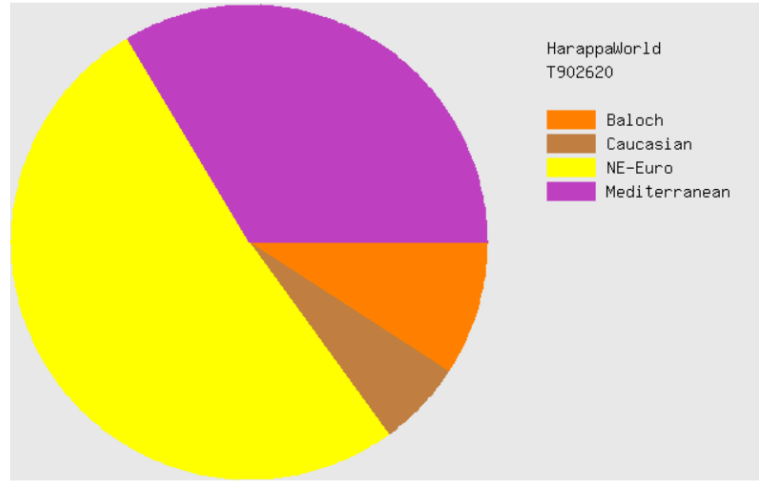


### Mixed Mode Population Sharing:

| #  | Primary Population (source)    | Secondary Population (source) | Distance |
|----|--------------------------------|-------------------------------|----------|
| 1  | 98.4% Mixed_Germanic (Dodecad) | 1.6% Athabask                 | 0.96     |
| 2  | 91.9% German (Dodecad)         | 8.1% Brazilian (Dodecad)      | 0.96     |
| 3  | 98.8% Mixed_Germanic (Dodecad) | 1.2% Pima                     | 0.99     |
| 4  | 98.9% Mixed_Germanic (Dodecad) | 1.1% Karitiana                | 0.99     |
| 5  | 98.9% Mixed_Germanic (Dodecad) | 1.1% Surui                    | 0.99     |
| 6  | 98.8% Mixed_Germanic (Dodecad) | 1.2% Colombians               | 0.99     |
| 7  | 98.8% Mixed_Germanic (Dodecad) | 1.2% Maya                     | 1        |
| 8  | 95.9% Dutch (Dodecad)          | 4.1% CLM30                    | 1.01     |
| 9  | 98.6% Mixed_Germanic (Dodecad) | 1.4% PEL30                    | 1.03     |
| 10 | 96.7% Dutch (Dodecad)          | 3.3% Colombian                | 1.08     |
| 11 | 95.7% German (Dodecad)         | 4.3% CLM30                    | 1.08     |
| 12 | 97.2% Dutch (Dodecad)          | 2.8% MEX30                    | 1.09     |
| 13 | 98.1% Mixed_Germanic (Dodecad) | 1.9% Ecuadorian               | 1.12     |
| 14 | 97.7% Dutch (Dodecad)          | 2.3% Ecuadorian               | 1.13     |
| 15 | 97.9% Mixed_Germanic (Dodecad) | 2.1% MEX30                    | 1.14     |
| 16 | 98% Mixed_Germanic (Dodecad)   | 2% WestGreenland              | 1.15     |
| 17 | 98.5% Mixed_Germanic (Dodecad) | 1.5% EastGreenland            | 1.16     |
| 18 | 95.8% Mixed_Germanic (Dodecad) | 4.2% Aleut                    | 1.18     |
| 19 | 95.2% German (Dodecad)         | 4.8% PUR30                    | 1.18     |
| 20 | 66.1% Kent (1000 Genomes)      | 33.9% Hungarians (Behar)      | 1.19     |

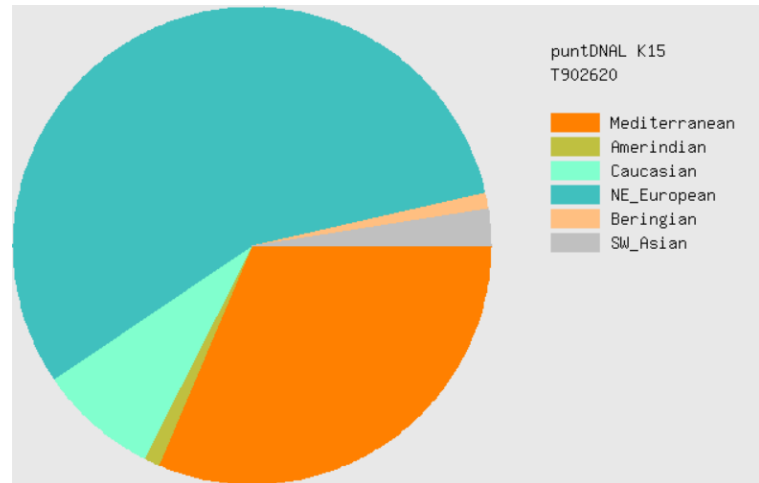
4) HarappaWorld:

|               |           |
|---------------|-----------|
| Population    |           |
| S-Indian      | -         |
| Baloch        | 9.12 Pct  |
| Caucasian     | 5.95 Pct  |
| NE-Euro       | 51.5 Pct  |
| SE-Asian      | -         |
| Siberian      | -         |
| NE-Asian      | 0.63 Pct  |
| Papuan        | -         |
| American      | 0.53 Pct  |
| Beringian     | 0.58 Pct  |
| Mediterranean | 31.53 Pct |
| SW-Asian      | -         |
| San           | 0.14 Pct  |
| E-African     | -         |
| Pygmy         | -         |
| W-African     | -         |



5) puntDNAL K15:

|                |           |
|----------------|-----------|
| Population     |           |
| S_Indian       | -         |
| Mediterranean  | 31.49 Pct |
| Siberian       | -         |
| Wht_Nile_River | -         |
| Amerindian     | 1 Pct     |
| S_African      | 0.12 Pct  |
| E_Asian        | -         |
| Caucasian      | 8.19 Pct  |
| NE_European    | 55.97 Pct |
| Omo_River      | 0.59 Pct  |
| W_African      | -         |
| Horn_Of_Africa | -         |
| Oceanian       | 0.08 Pct  |
| Beringian      | 1.21 Pct  |
| SW_Asian       | 1.35 Pct  |

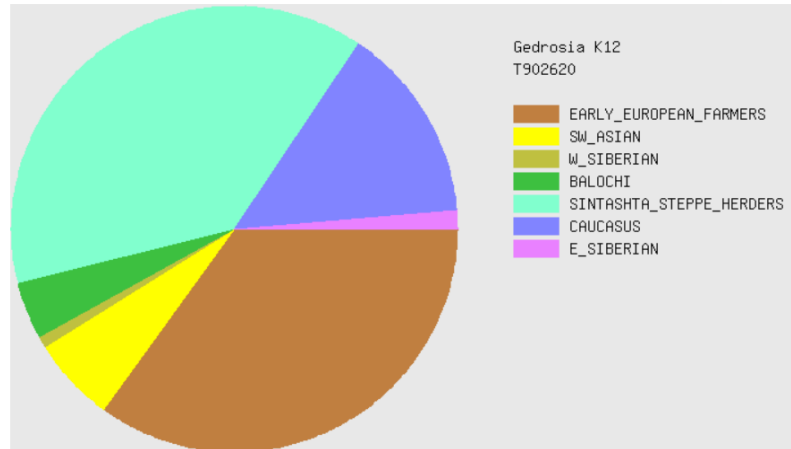


## 6) Gedrosia K12:

| Population               |           |
|--------------------------|-----------|
| S_INDIAN                 | -         |
| SUB_SAHARAN              | -         |
| EARLY_EUROPEAN_FARMERS   | 34.97 Pct |
| SW_ASIAN                 | 6.14 Pct  |
| W_SIBERIAN               | 0.96 Pct  |
| SE_ASIAN                 | -         |
| BALOCHI                  | 4.11 Pct  |
| SINTASHTA_STEPPE_HERDERS | 38.21 Pct |
| INDO_TIBETAN             | -         |
| CAUCASUS                 | 14.27 Pct |
| E_AFRICAN                | -         |
| E_SIBERIAN               | 1.36 Pct  |

Oracle

Oracle-4

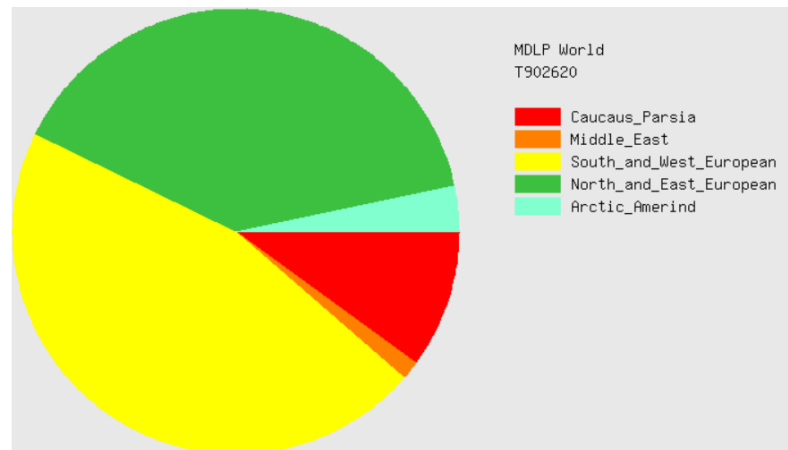


## 7) MDLP World:

| Population              |           |
|-------------------------|-----------|
| Caucas_Parsia           | 10.09 Pct |
| Middle_East             | 1.38 Pct  |
| Indian                  | -         |
| South_and_West_European | 45.94 Pct |
| Melanesian              | 0.55 Pct  |
| Sub_Saharian            | 0.1 Pct   |
| North_and_East_European | 39.49 Pct |
| Arctic_Amerind          | 1.46 Pct  |
| East_Asian              | -         |
| Paleo_African           | 0.18 Pct  |
| Mesoamerican            | 0.8 Pct   |
| North_Asian             | -         |

Oracle

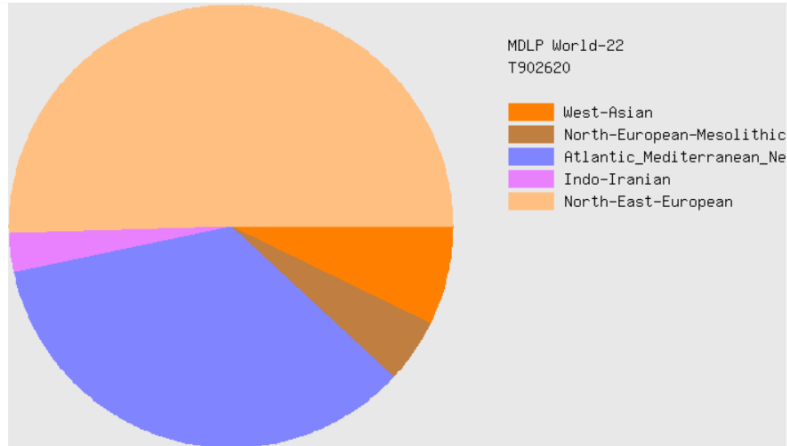
Oracle-4



Two calculators which are recommended [here](#) include the following:

8) MDLP World-22:

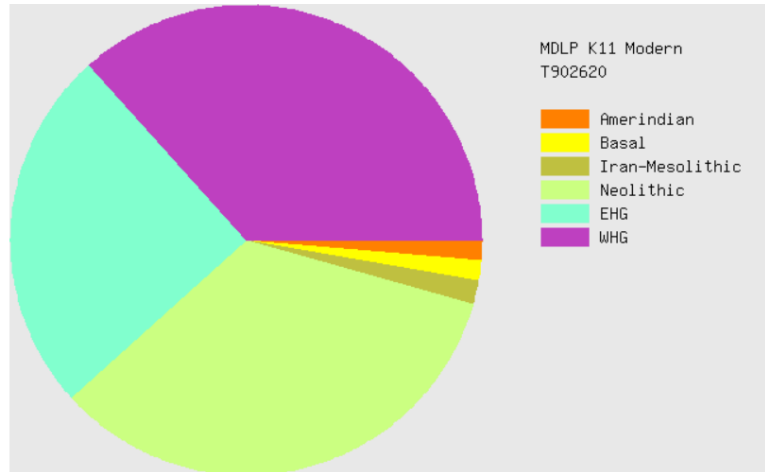
| Population                       |           |
|----------------------------------|-----------|
| Pygmy                            | 0.09 Pct  |
| West-Asian                       | 7.19 Pct  |
| North-European-Mesolithic        | 4.8 Pct   |
| Indo-Tibetan                     | -         |
| Mesoamerican                     | 0.73 Pct  |
| Arctic-Amerind                   | 0.37 Pct  |
| South-America_Amerind            | 0.08 Pct  |
| Indian                           | -         |
| North-Siberean                   | -         |
| Atlantic_Mediterranean_Neolithic | 34.77 Pct |
| Samoedic                         | 0.61 Pct  |
| Indo-Iranian                     | 2.85 Pct  |
| East-Siberean                    | -         |
| North-East-European              | 46.85 Pct |
| South-African                    | -         |
| North-Amerind                    | 0.54 Pct  |
| Sub-Saharan                      | 0.1 Pct   |
| East-South-Asian                 | -         |
| Near_East                        | 0.52 Pct  |
| Melanesian                       | 0.52 Pct  |
| Paleo-Siberian                   | -         |
| Austronesian                     | -         |



9) MDLP K11 Modern:

| Population      |           |
|-----------------|-----------|
| African         | 0.09 Pct  |
| Amerindian      | 1.38 Pct  |
| ASI             | -         |
| Basal           | 1.37 Pct  |
| Iran-Mesolithic | 1.53 Pct  |
| Neolithic       | 33.92 Pct |
| Oceanic         | -         |
| EHG             | 24.96 Pct |
| SEA             | -         |
| Siberian        | 0.51 Pct  |
| WHG             | 36.25 Pct |

Oracle  
Oracle-4



While the above two tests may be good, the one which is most likely to be reliable and valid even for small amounts of DNA is 23andMe. However, Ken only tested at Family Tree DNA (originally for Y chromosome testing) and he passed away (2006) before the author could request that he test with 23andMe. Hence all the results in this study are from Ken's FTDNA raw data uploaded to Gedmatch and yourDNAportal. Perhaps one day 23andMe will, as other companies such as

MyHeritage does, permit the uploading of raw data from other test companies to their site for analysis.

**Validation Check 1 – the Results of Two Children**

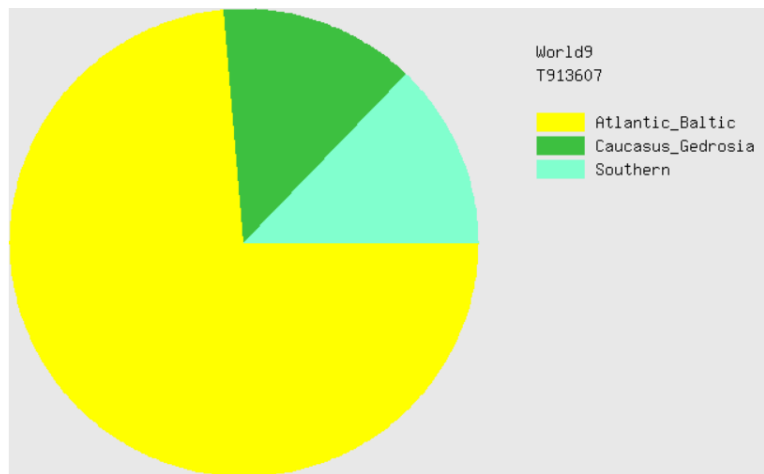
As a check on the likely accuracy of the above results, relative to simply being “noise”, testing Ken’s children should show that each have at most the same percentage of NA as the parent, or more likely (due to recombination) lesser levels of Native American (or surrogates / proxies East Asian, Siberian etc.) – assuming that all of the NA DNA came from the paternal side.

1) Son David – Dodecad World9:

| Population        |           |
|-------------------|-----------|
| Amerindian        | 0.58 Pct  |
| East_Asian        | -         |
| African           | -         |
| Atlantic_Baltic   | 73.54 Pct |
| Australasian      | 0.35 Pct  |
| Siberian          | 0.29 Pct  |
| Caucasus_Gedrosia | 13.57 Pct |
| Southern          | 11.61 Pct |
| South_Asian       | 0.06 Pct  |

Oracle  
Oracle-4

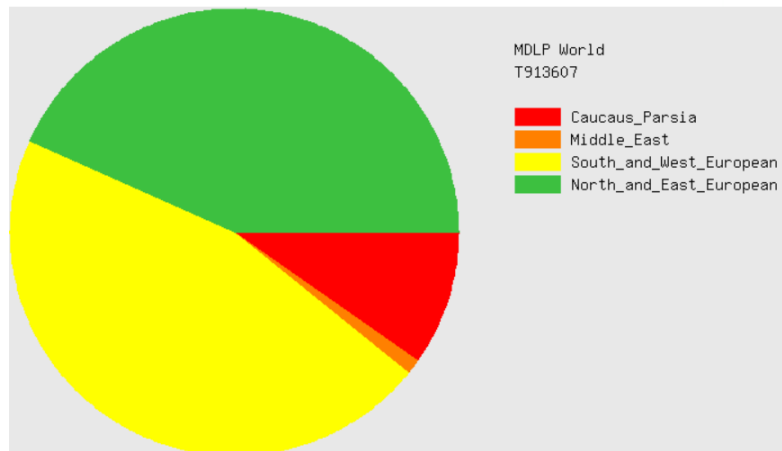
UNDER DEVELOPMENT:



Son David – MDLP World:

| Population              |           |
|-------------------------|-----------|
| Caucasus_Parsia         | 9.85 Pct  |
| Middle_East             | 1.23 Pct  |
| Indian                  | -         |
| South_and_West_European | 45.82 Pct |
| Melanesian              | 0.29 Pct  |
| Sub_Saharian            | -         |
| North_and_East_European | 41.63 Pct |
| Arctic_Amerind          | 0.71 Pct  |
| East_Asian              | -         |
| Paleo_African           | 0.31 Pct  |
| Mesoamerican            | 0.17 Pct  |
| North_Asian             | -         |

Oracle  
Oracle-4

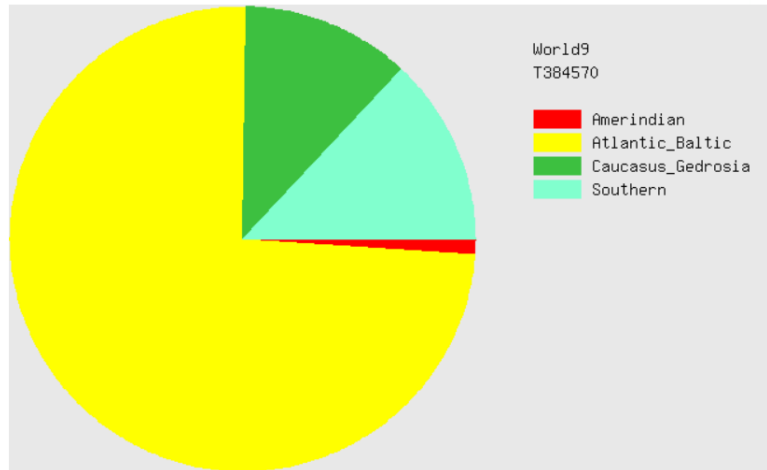


2) Daughter Ferne – Dodecad World9:

| Population        |           |
|-------------------|-----------|
| Amerindian        | 1.19 Pct  |
| East_Asian        | -         |
| African           | 0.15 Pct  |
| Atlantic_Baltic   | 74.08 Pct |
| Australasian      | 0.28 Pct  |
| Siberian          | 0.27 Pct  |
| Caucasus_Gedrosia | 11.75 Pct |
| Southern          | 12.28 Pct |
| South_Asian       | -         |

Oracle  
Oracle-4

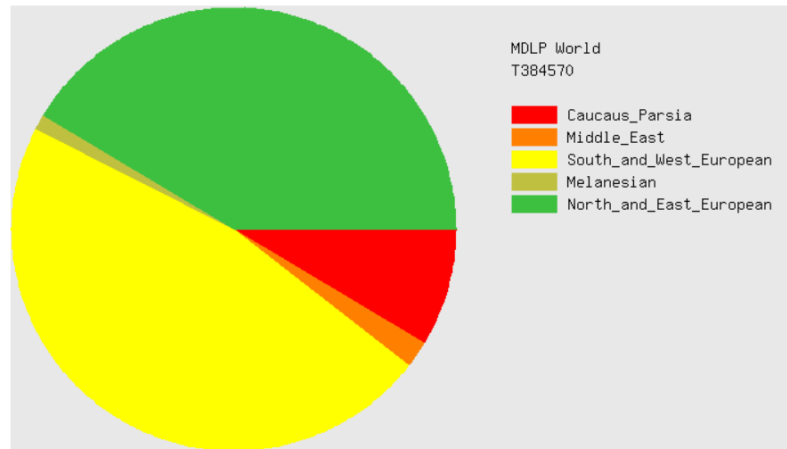
UNDER DEVELOPMENT:



MDLP World:

| Population              |           |
|-------------------------|-----------|
| Caucas_Parsia           | 8.74 Pct  |
| Middle_East             | 1.91 Pct  |
| Indian                  | -         |
| South_and_West_European | 46.85 Pct |
| Melanesian              | 0.97 Pct  |
| Sub_Saharian            | 0.08 Pct  |
| North_and_East_European | 39.97 Pct |
| Arctic_Amerind          | 0.49 Pct  |
| East_Asian              | -         |
| Paleo_African           | 0.3 Pct   |
| Mesoamerican            | 0.7 Pct   |
| North_Asian             | -         |

Oracle  
Oracle-4



With the Gedmatch calculators they show that both the son and daughter have inherited less than the father shows, and that consistently the daughter shows more Native American than the son – a pattern that would be expected considering the vagaries of DNA inheritance especially at the smaller percentages.

As a second check on the accuracy of these various results, it would make good sense to include the test results of those who are supposedly 100% European, and who should therefore show only “noise” or trace amounts of Native American or surrogate data. The following will illustrate the point. The pie charts are not included since they include the private Gedmatch kit numbers:



**Validation Check 2 - Results of Testing Three Northwestern European Individuals**

**MDLP World-22**

|                                  |           |                                  |           |
|----------------------------------|-----------|----------------------------------|-----------|
| Population                       |           | Population                       |           |
| Pygmy                            | -         | Pygmy                            | 0.1 Pct   |
| West-Asian                       | 6.75 Pct  | West-Asian                       | 7.08 Pct  |
| North-European-Mesolithic        | 3.48 Pct  | North-European-Mesolithic        | 5.51 Pct  |
| Indo-Tibetan                     | 0.53 Pct  | Indo-Tibetan                     | 0.36 Pct  |
| Mesoamerican                     | -         | Mesoamerican                     | -         |
| Arctic-Amerind                   | -         | Arctic-Amerind                   | -         |
| South-America_Amerind            | -         | South-America_Amerind            | -         |
| Indian                           | -         | Indian                           | -         |
| North-Siberean                   | -         | North-Siberean                   | -         |
| Atlantic_Mediterranean_Neolithic | 37.22 Pct | Atlantic_Mediterranean_Neolithic | 34.88 Pct |
| Samoedic                         | 0.37 Pct  | Samoedic                         | 1.16 Pct  |
| Indo-Iranian                     | 0.58 Pct  | Indo-Iranian                     | 1.78 Pct  |
| East-Siberean                    | -         | East-Siberean                    | -         |
| North-East-European              | 46.25 Pct | North-East-European              | 46.13 Pct |
| South-African                    | -         | South-African                    | -         |
| North-Amerind                    | -         | North-Amerind                    | -         |
| Sub-Saharan                      | 0.13 Pct  | Sub-Saharan                      | -         |
| East-South-Asian                 | -         | East-South-Asian                 | -         |
| Near_East                        | 3.7 Pct   | Near_East                        | 2.88 Pct  |
| Melanesian                       | 0.6 Pct   | Melanesian                       | 0.13 Pct  |
| Paleo-Siberian                   | -         | Paleo-Siberian                   | -         |
| Austronesian                     | 0.38 Pct  | Austronesian                     | -         |

**yourDNAportal:**

**1) Native American Origins – Ancient**

*“The Indigenous peoples of the North American Southwest are those in the current states of Colorado, Arizona, New Mexico, Utah, and Nevada in the western United States, and the states of Sonora and Chihuahua in northern Mexico. An often quoted statement from Erik Reed (1964) defined the Greater Southwest culture area as extending north to south from Durango, Mexico to Durango, Colorado and east to west from Las Vegas, Nevada to Las Vegas, New Mexico. Other names sometimes used to define the region include "American Southwest", "Northern Mexico", "Chichimeca", and "Oasisamerica/Aridoamerica". This region has long been occupied by hunter-gatherers and agricultural people. Many contemporary cultural traditions exist within the Greater Southwest, including Pima, Yuman-speaking peoples inhabiting the Colorado River valley, the uplands, and Baja California, O'odham peoples of Southern Arizona and northern Sonora, and the Pueblo peoples of Arizona and New Mexico. In addition, the Apache and Navajo peoples, whose ancestral roots lie in the Athabaskan-speaking peoples in Canada, entered the Southwest during the 14th and 15th century and are a major modern presence in the area.”*

*“This mathematical setting divides your genome into 400 fragments, with each fragment representing 0.25% of your genome. This enables the capture and identification of even the most distant origins.”*

| Population                       | Value  |
|----------------------------------|--------|
| ● Insular Celtic                 | 56.5%  |
| ● Scando-Germanic                | 29.75% |
| ● Ancient East Mediterranean     | 9%     |
| ● Ancient West Mediterranean     | 3.5%   |
| ● Ancient North-Central American | 1.25%  |

Here Ken shows clear evidence of Native American (1.25%), the best matching category being “Ancient North-Central American”.

## 2) Native American Origins – Genome Wide

*“This test utilises a large dataset of samples, to estimate an overall share of Native American ancestry in your genome, without specific tribal breakdowns. This test will reveal even the smallest traces of Native American ancestry.”*

| Population               | Value  |
|--------------------------|--------|
| ● North-Western European | 52.75% |
| ● Basque                 | 14.5%  |
| ● North-Eastern European | 10.5%  |
| ● East-Central European  | 7.75%  |
| ● Balkan                 | 6.75%  |
| ● Levantine              | 4%     |
| ● Caucasian              | 2.25%  |
| ● Native American        | 1.5%   |

On this test Ken shows 1.5% “Native American”.

### 3) Native American Origins – Modern

*“This test utilizes the most up to date research, utilizing a comprehensive dataset of tribal specific Native American samples. Also included are basic regional results from Europe, Africa, Asia and Oceania.”*

This test utilizes the most up to date research, utilizing a comprehensive dataset of tribal specific Native American samples. Also included are basic regional results from Europe, Africa, Asia and Oceania.

| Population               | Value |
|--------------------------|-------|
| North-Western European   | 86.5% |
| Western European         | 4%    |
| Basque                   | 3%    |
| Central European         | 1%    |
| Central Mediterranean    | 1%    |
| South-West Mediterranean | 1%    |
| Balkan                   | 0.75% |
| Sephardi Jewish          | 0.75% |
| Greek                    | 0.5%  |
| North-Eastern European   | 0.5%  |
| Ashkenazi Jewish         | 0.25% |
| Levantine                | 0.25% |
| Totonac Mexico           | 0.25% |
| Zapotec Oaxaca Mexico    | 0.25% |

It appears that Ken’s closest Native American matches are peoples from Mexico, specifically Totonac and Zapotec Oaxaca.

**Conclusion:** All of the indicators suggest that Ken Faux has a Native American ancestor, likely from the 18<sup>th</sup> century. The results are supported by the data (percentages of NA or proxy) from the son and daughter taking the same Gedmatch tests. In addition, two tests of individuals who are, from the genealogical evidence, of 100% Northwestern European ancestry are included – both of whom have no NA or proxy (e.g., Siberian, East Asian).

These DNA results cannot stand alone – there needs to be validation with a secure paper trail – in other words genealogical support.

Dr. David K. Faux

19 May 2023