**Edward Gelles Eurogenes EUtest V2 K15 Oracle results:**

Kit F181141

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| **#** | **Population** | **Percent** |
| 1 | East\_Med | 25.28 |
| 2 | West\_Asian | 14.8 |
| 3 | North\_Sea | 14.13 |
| 4 | West\_Med | 14.04 |
| 5 | Atlantic | 13.81 |
| 6 | Red\_Sea | 8.29 |
| 7 | Eastern\_Euro | 4.35 |
| 8 | Baltic | 2.38 |
| 9 | Northeast\_African | 1.45 |
| 10 | Oceanian | 0.93 |
| 11 | Siberian | 0.32 |
| 12 | South\_Asian | 0.23 |

**Single Population Sharing:**

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| **#** | **Population (source)** | **Distance** |
| 1 | Italian\_Abruzzo | 5.99 |
| 2 | Ashkenazi | 6.46 |
| 3 | East\_Sicilian | 6.63 |
| 4 | Central\_Greek | 7.33 |
| 5 | West\_Sicilian | 8.24 |
| 6 | South\_Italian | 9.06 |
| 7 | Italian\_Jewish | 10.26 |
| 8 | Greek\_Thessaly | 10.52 |
| 9 | Tuscan | 10.73 |
| 10 | Sephardic\_Jewish | 11.12 |
| 11 | Greek | 11.75 |
| 12 | Algerian\_Jewish | 12.85 |
| 13 | Tunisian\_Jewish | 14.99 |
| 14 | Libyan\_Jewish | 15.53 |
| 15 | Bulgarian | 16.52 |
| 16 | North\_Italian | 16.6 |
| 17 | Romanian | 17.49 |
| 18 | Cyprian | 17.96 |
| 19 | Turkish | 18.71 |
| 20 | Lebanese\_Muslim | 19.28 |

**Mixed Mode Population Sharing:**

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| **#** |  | **Primary Population (source)** | | | **Secondary Population (source)** | | | **Distance** |
| 1 |  | 52.9% | Spanish\_Galicia | + | 47.1% | Kurdish\_Jewish | @ | 3.31 |
| 2 |  | 56.8% | Lebanese\_Muslim | + | 43.2% | French | @ | 3.35 |
| 3 |  | 53.4% | Portuguese | + | 46.6% | Kurdish\_Jewish | @ | 3.59 |
| 4 |  | 50.6% | Lebanese\_Christian | + | 49.4% | French | @ | 3.81 |
| 5 |  | 56.4% | Syrian | + | 43.6% | French | @ | 3.84 |
| 6 |  | 54.6% | Lebanese\_Muslim | + | 45.4% | Spanish\_Galicia | @ | 3.96 |
| 7 |  | 67.2% | Cyprian | + | 32.8% | Orcadian | @ | 4.14 |
| 8 |  | 53.7% | Spanish\_Extremadura | + | 46.3% | Kurdish\_Jewish | @ | 4.16 |
| 9 |  | 51.3% | Spanish\_Galicia | + | 48.7% | Assyrian | @ | 4.21 |
| 10 |  | 53% | Spanish\_Galicia | + | 47% | Iranian\_Jewish | @ | 4.22 |
| 11 |  | 52.1% | Samaritan | + | 47.9% | French | @ | 4.3 |
| 12 |  | 50.6% | French | + | 49.4% | Kurdish\_Jewish | @ | 4.31 |
| 13 |  | 65.2% | Cyprian | + | 34.8% | Southwest\_English | @ | 4.31 |
| 14 |  | 51.9% | Portuguese | + | 48.1% | Assyrian | @ | 4.36 |
| 15 |  | 54% | Lebanese\_Muslim | + | 46% | Portuguese | @ | 4.38 |
| 16 |  | 53.5% | Portuguese | + | 46.5% | Iranian\_Jewish | @ | 4.45 |
| 17 |  | 51.6% | Spanish\_Cataluna | + | 48.4% | Kurdish\_Jewish | @ | 4.48 |
| 18 |  | 58.8% | Cyprian | + | 41.2% | French | @ | 4.49 |
| 19 |  | 67% | Cyprian | + | 33% | West\_Scottish | @ | 4.52 |
| 20 |  | 65.6% | Cyprian | + | 34.4% | Southeast\_English | @ | 4.53 |

Using 2 populations approximation:  
1 50% Kurdish\_Jewish +50% Spanish\_Galicia @ 3.933807  
  
Using 3 populations approximation:  
1 50% French +25% Kurdish\_Jewish +25% Samaritan @ 3.474139

Using 4 populations approximation:  
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1 French + Georgian\_Jewish + Portuguese + Samaritan @ 3.083833  
2 French + Georgian\_Jewish + Samaritan + Spanish\_Galicia @ 3.111201  
3 Georgian\_Jewish + Samaritan + Spanish\_Extremadura + West\_German @ 3.148100  
4 French + Georgian\_Jewish + Lebanese\_Christian + Spanish\_Galicia @ 3.175837  
5 French + Georgian\_Jewish + Palestinian + Portuguese @ 3.182012  
6 French + Georgian\_Jewish + Samaritan + Spanish\_Extremadura @ 3.190714  
7 French + Georgian\_Jewish + Palestinian + Spanish\_Galicia @ 3.211307  
8 French + Georgian\_Jewish + Lebanese\_Christian + Portuguese @ 3.215043  
9 French + Kurdish\_Jewish + Lebanese\_Muslim + Spanish\_Galicia @ 3.263378  
10 French + Georgian\_Jewish + Palestinian + Spanish\_Extremadura @ 3.276300  
11 French + Kurdish\_Jewish + Portuguese + Syrian @ 3.279814  
12 Assyrian + French + Lebanese\_Christian + Spanish\_Galicia @ 3.280002  
13 French + Georgian\_Jewish + Libyan\_Jewish + Tuscan @ 3.294440  
14 Armenian + French + Palestinian + Spanish\_Extremadura @ 3.304544  
15 French + Kurdish\_Jewish + Lebanese\_Muslim + Portuguese @ 3.317949  
16 French + Georgian\_Jewish + Lebanese\_Christian + Spanish\_Extremadura @ 3.322351  
17 Armenian + French + Palestinian + Portuguese @ 3.330240  
18 French + Kurdish\_Jewish + Spanish\_Extremadura + Syrian @ 3.346671  
19 French + Kurdish\_Jewish + Lebanese\_Christian + Spanish\_Galicia @ 3.350828  
20 Georgian\_Jewish + Libyan\_Jewish + Southwest\_English + West\_Sicilian @ 3.353996