Supplementary Figure 2. Matrix of Coancestry coefficients

GENETIC STRUCTURE ANALYSIS
Comparisons of pairs of population samples
List of labels for population samples used below:

| Label | Population name   |
|-------|-------------------|
| 1     | SLE               |
| 2     | Healthy Individuals|
| 3     | Spaniards         |
| 4     | Tarahumaras       |
| 5     | Seri              |
| 6     | Mixtecs           |
| 7     | Zapotecans        |
| 8     | Mixe              |
| 9     | Lacandon          |
| 10    | Zimbabwe Harare   |
| 11    | China Han         |
## Supplementary Material

**Matrix of coancestry coefficients** as \( t/M = \ln(1 - FST) \)

(M=N for haploid data, M=2N for diploid data)

Reference: Reynolds, J., Weir, B.S., and Cockerham, C.C. 1983.

| 1  | 2   | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10  | 11  |
|----|-----|----|----|----|----|----|----|----|-----|-----|
| 1  | -0.00000 |    |    |    |    |    |    |    |     |     |
| 2  | 0.00212 | -0.00000 |    |    |    |    |    |    |     |     |
| 3  | 0.01324 | 0.01966 | -0.00000 |    |    |    |    |    |     |     |
| 4  | 0.05601 | 0.04971 | 0.06922 | -0.00000 |    |    |    |    |     |     |
| 5  | 0.11120 | 0.10860 | 0.12637 | 0.09668 | -0.00000 |    |    |    |     |     |
| 6  | 0.02768 | 0.02352 | 0.06634 | 0.09032 | 0.16280 | -0.00000 |    |    |     |     |
| 7  | 0.02517 | 0.02412 | 0.05774 | 0.06880 | 0.07773 | 0.04047 | -0.00000 |    |     |     |
| 8  | 0.10075 | 0.09391 | 0.12750 | 0.15067 | 0.21259 | 0.12852 | 0.06732 | -0.00000 |    |     |
| 9  | 0.05528 | 0.05112 | 0.08958 | 0.06500 | 0.08454 | 0.07261 | 0.04453 | 0.11958 | -0.00000 |     |
| 10 | 0.03134 | 0.03780 | 0.02913 | 0.09005 | 0.16001 | 0.07789 | 0.07374 | 0.13973 | 0.10856 | -0.00000 |
| 11 | 0.04162 | 0.04330 | 0.04211 | 0.08073 | 0.15349 | 0.07956 | 0.07430 | 0.14134 | 0.10976 | 0.05573 | -0.00000 |

Reference: Reynolds, J., Weir, B.S., and Cockerham, C.C. 1983.