Supplementary Table 1: Haplotype and diplotype counts across subpopulations for the global populations included in the study for comparison. All frequencies are indicated as percentages

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Populations | ACB | ASW | BEB | CDX | CEU | CHB | CHS | CLM | FIN | GBR | GIH | IBS | ITU | JPT | KHV | MXL | PEL | PJL | PUR | STU | TSI |
| Diplotypes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *\*1/\*1* | 67.2 | 59.3 | 46.3 | 38.7 | 46.4 | 42.6 | 34.3 | 44.1 | 45.5 | 57.3 | 43.4 | 51.4 | 37.8 | 33.7 | 41.4 | 53.2 | 51.2 | 43.4 | 57.7 | 41.6 | 50.0 |
| *\*1/\*28* | 30.1 | 35.6 | 41.5 | 49.5 | 43.3& | 46.5 | 52.9 | 41.2 | 45.5 | 25.8 | 44.4 | 38.1 | 45.9 | 47.1 | 45.4 | 43.5 | 44.0 | 50.0 | 34.9 | 50.0 | 46.9 |
| *\*1/\*36* |  |  |  |  | 1.3 |  |  |  |  | 4.5 |  | 1.9 |  |  |  |  |  |  |  |  | 1.0 |
| *\*1/\*37* |  |  | 3.7 |  |  |  |  |  |  |  |  | 2.9 | 1.0 |  |  |  |  | 2.6 |  |  | 2.0 |
| *\*1/\*45* |  |  |  |  |  |  |  |  |  |  |  |  | 1.0 |  |  |  |  |  |  |  |  |
| *\*2/\*28* |  |  |  |  |  |  |  |  |  |  |  |  |  | 1.0 |  |  |  |  |  |  |  |
| *\*11/\*28* |  |  |  |  | 1.3 |  |  |  |  | 1.1 |  |  |  |  |  |  |  |  |  |  |  |
| *\*28/\*28* | 2.1 | 5.1 | 8.5 | 11.8 | 7.2 | 10.9 | 12.7 | 14.0 | 8.1 | 10.1 | 12.2 | 5.7 | 12.2 | 18.2 | 13.2 | 3.2 | 44.8 | 19.7 | 6.6 | 8.4 | 9.1 |
| *\*28/\*36* |  |  |  |  | 1.3 |  |  |  |  |  |  |  | 1.0 |  |  |  |  |  |  |  |  |
| *\*28/\*37* |  |  |  |  |  |  |  |  |  |  |  |  | 1.0 |  |  |  |  |  |  |  |  |
| *\*28/\*45* |  |  |  |  |  |  |  |  | 1.0 |  |  |  |  |  |  |  |  |  |  |  |  |
| Haplotypes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| *\*1* | 82.4 | 82.2 | 68.9 | 63.4 | 76.9 | 65.8 | 60.8 | 65.1 | 71.1 | 72.9 | 65.7 | 72.9 | 62.1 | 57.2 | 65.9 | 75.0 | 73.2 | 61.5 | 75.5 | 66.7 | 68.6 |
| *\*2* |  |  |  |  |  |  |  |  |  |  |  |  |  | 0.5 |  |  |  |  |  |  |  |
| *\*11* |  |  |  |  | 0.6 |  |  |  |  | 0.6 |  |  |  |  |  |  |  |  |  |  |  |
| *\*28* | 17.6 | 17.8 | 29.3 | 56.6 | 32.9 | 34.2 | 39.2 | 34.9 | 28.4 | 24.3 | 34.3 | 24.8 | 36.4 | 42.3 | 34.1 | 25.0 | 26.8 | 36.4 | 24.5 | 33.3 | 30.0 |
| *\*36* |  |  |  |  | 1.2 |  |  |  |  |  |  | 1.0 | 0.5 |  |  |  |  |  |  |  | 0.5 |
| *\*37* |  |  | 1.8 |  |  |  |  |  | 0.5 | 2.3 |  | 1.4 | 1.0 |  |  |  |  | 1.1 |  |  | 1.0 |
| *\*45* |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

ACB - African Caribbean in Barbados; ASW - African Ancestry in SW USA; BEB - Bengali in Bangladesh; CDX -Chinese Dai in Xishuangbanna, China; CEU - Northern Europeans from Utah; CHB - Han Chinese in Beijing, China; CHS - Han Chinese South; CLM - Colombian in Medellín, Colombia; FIN - Finnish in Finland; GBR - British From England and Scotland; GIH - Gujarati Indians in Houston, Texas, USA; IBS - Iberian Populations in Spain ITU - Indian Telugu in the U.K.; JPT -Japanese in Tokyo, Japan; KHV - Kinh in Ho Chi Minh City, Vietnam; MXL - Mexican Ancestry in Los Angeles CA USA; PEL - Peruvian in Lima Peru; PJL - Punjabi in Lahore, Pakistan; PUR - Puerto Rican in Puerto Rico; STU - Sri Lankan Tamil in the UK; TSI - Toscani in Italia.