Supplementary Table 2. Variants data from the 1000 Genomes Project (1KGP) and the African Genome Variation Project (AGVP) used for population structure and admixture analysis.

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| --- | --- | --- | --- |
| **Population****label** | **Ethnic group** | **Population description** | **Total Samples** |
| **AFR** | Afro Asiatic Semitic | Amhara from Ethiopia | 22 |
| African American | Americans of African Ancestry in SW USA (ASW) | 60  |
| African Caribbean  | African Caribbeans in Barbado (ACB)  | 96 |
| Afro Asiatic | Al-Gharbiyah, NA, Monufia, Kafrel-Sheikh, Mansoura, Alexandria, Dakahlia, Samanoud, Al-Buhayrah, Minya, AlSharqia, El-Mahalla all from Egypt | 99  |
| Afro Asiatic Cushitic | Oromo, Somali from Ethiopia  | 47 |
| Afro Asiatic Omotic | Wolayta from Ethiopia  | 24 |
| Khoe-San | Khoe-San  | 84 |
| Niger-Congo Bantu Center | Baganda, Banyarwanda, Barundi, Rwandese, Ugandan, Banyankole of Uganda, Bakiga, Mutanzania, Basoga, other Uganda gwas unknown, Mutooro, Batooro, Nyanjiro (Tanzania) from Uganda and Luhya in Webuye, Kenya (LWK)  | 2158 |
| Niger-Congo Bantu South | Zulu  | 98 |
| Niger-Congo Volta | Esan in Nigeria (ESN), Yoruba in Ibadan, Nigeria (YRI)  | 205 |
| Niger-Congo West | Gambian in Western Divisions in the Gambia (GWD), Mende in Sierra Leone (MSL)  | 198 |
| **AMR** | Latin American | Puerto Ricans from Puerto Rico (PUR), Colombians from Medellin, Colombia (CLM), Peruvians from Lima, Peru (PEL), Mexican Ancestry from Los Angeles USA (MXL) | 347 |
| **EUR** | European Center | British of England and Scotland (GBR)  | 91 |
| European North | Finnish of Finland (FIN)  | 99 |
| European South | Iberian Population in Spain (IBS), Toscani of Italia (TSI)  | 214 |
| European USA | Utah Residents with Northern and Western European Ancestry (CEU)  | 99 |
| **EAS** | East Asian | Southern Han Chinese (CHS), Chinese Dai in Xishuangbanna, China (CDX), Kinh in Ho Chi Minh City, Vietnam (KHV), Han Chinese in Beijing, China (CHB), Japanese in Tokyo, Japan (JPT)  | 504 |
|  | South Asian | Punjabi from Lahore, Pakistan (PJL), Bengali from Bangladesh (BEB)  | 180 |
| **SAS** | UK Indian | Sri Lankan Tamil from the UK (STU), Indian Telugu from the UK (ITU)  | 204 |
| USA Indian | Gujarati Indian from Houston, Texas (GIH)  | 103 |
| **Total** | 4,932 |