Table S3. The populations information used to constructe contour maps.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Population** | **Sample size** | **N\*-M231** | **N1\*-LLY22g** | **N1a-M128** | **N1b-p43** | **N1c-M46** |
| Western Europe | 186 | 0 | 0 | 0 | 0 | 0 |
| Southern Europe | 383 | 0 | 0 | 0 | 0 | 0 |
| Denmark | 194 | 0.00  | 0.00  | 0.00  | 0.00  | 0.50  |
| Iceland | 181 | 0.00  | 0.00  | 0.00  | 0.00  | 0.60  |
| Norway (pooled from 3 populations) | 484 | 0.00  | 0.00  | 0.00  | 0.00  | 5.17  |
| Sweden (pooled from 4 populations) | 441 | 0.00  | 0.00  | 0.00  | 0.00  | 7.94  |
| Finland (pooled from 11 populations) | 1199 | 0.00  | 0.00  | 0.00  | 0.00  | 60.22  |
| Estonia (pooled from 3 populations) | 327 | 0.00  | 0.00  | 0.00  | 0.00  | 31.81  |
| Latvia (pooled from 3 populations) | 199 | 0.00  | 0.00  | 0.00  | 0.00  | 41.71  |
| Lithuania (pooled from 3 populations) | 360 | 0.00  | 0.00  | 0.00  | 0.00  | 40.00  |
| Karelians (pooled from 9 populations) | 311 | 0.00  | 0.00  | 0.00  | 6.11  | 41.80  |
| Russians | 264 | 0.00  | 0.00  | 0.00  | 0.40  | 13.30  |
| Hungaria | 113 | 0.00  | 0.00  | 0.00  | 0.00  | 0.90  |
| Slovak | 263 | 0.00  | 0.00  | 0.00  | 0.00  | 3.00  |
| Poland | 93 | 0.00  | 0.00  | 0.00  | 0.00  | 4.30  |
| Ukraine | 326 | 0.00  | 0.00  | 0.00  | 0.00  | 46.01  |
| Khants | 57 | 0.00  | 0.00  | 0.00  | 52.00  | 26.00  |
| Dolgans | 67 | 0.00  | 0.00  | 0.00  | 11.90  | 22.40  |
| Tuvinians | 311 | 0.00  | 1.60  | 0.00  | 21.90  | 16.00  |
| Khakas | 181 | 0.00  | 2.80  | 0.60  | 17.10  | 28.20  |
| Yakut (pooled from 14 districts)  | 215 | 0.00  | 0.00  | 0.00  | 4.10  | 81.90  |
| Buryat | 81 | 0.00  | 0.00  | 0.00  | 2.50  | 28.40  |
| Koreans | 75 | 0.00  | 1.30  | 1.30  | 0.00  | 0.00  |
| Uzbeks | 78 | 0.00  | 0.00  | 0.00  | 0.00  | 8.30  |
| Kazakhs (pooled from 3 locations)  | 185 | 0.00  | 0.00  | 8.10  | 1.10  | 3.20  |
| Altai (North-west China) | 377 | 0.53  | 2.12  | 0.00  | 0.27  | 0.53  |
| Altai (North-east China) | 262 | 0.00  | 4.20  | 1.15  | 1.91  | 1.91  |
| Northern Han  | 814 | 0.25  | 4.42  | 0.49  | 0.00  | 1.72  |
| Southern Han | 915 | 1.20  | 3.39  | 0.55  | 0.11  | 0.77  |
| Tibetans  | 2354 | 0.04  | 5.52  | 0.08  | 0.04  | 0.42  |
| Tibeto-Burman | 325 | 0.62  | 7.38  | 3.08  | 0.00  | 0.92  |
| Hmong-Mien | 308 | 0.32  | 0.65  | 0.32  | 0.00  | 0.65  |
| Daic | 463 | 1.51  | 1.94  | 0.00  | 0.00  | 0.22  |
| Austro-Asiatic (south-west China) | 100 | 0.00  | 5.00  | 0.00  | 0.00  | 0.00  |
| Austro-Asiatic (Cambodian) | 365 | 0.00  | 0.27  | 0.00  | 0.00  | 0.00  |
| Iran | 82 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Pakistan | 176 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| India | 1114 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Japanese | 237 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Vietnam | 80 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Laos | 778 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Philippines | 87 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Indonesia | 295 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Malaysia | 50 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |
| Oceania | 753 | 0.00  | 0.00  | 0.00  | 0.00  | 0.00  |

Note: Data is from Hammer *et al*, 2006, Cai *et al*, 2011, Rootsi *et al*, 2007, Balanovsk *et al*, 2008, Derenko *et al*, 2007,Lappalainen *et al*, 2006, Lappalainen *et al*, 2008 and present study.