**Table S1.** Sources of reference accessions used for assignment of ancestry and parentage

|  |  |  |  |
| --- | --- | --- | --- |
| Reference accession | Genetic group | Source | Reference |
| ES 03 Belize | Amelonado | Belize | Osorio-Guarín *et al*. (2017) |
| SC 02 Belize | Amelonado | Belize | Osorio-Guarín *et al*. (2017) |
| PR76 | Amelonado | Belize | Osorio-Guarín *et al*. (2017) |
| POUND 1/B | Nanay | Peru | Motamayor *et al*. (2008) |
| POUND 2/A  | Nanay | Peru | Motamayor *et al*. (2008) |
| NA 286 | Nanay | Peru | Motamayor *et al*. (2008) |
| NA 756 | Nanay | Peru | Motamayor *et al*. (2008) |
| PA 150 | Marañón | Peru | Motamayor *et al*. (2008) |
| PA 70 | Marañón | Peru | Motamayor *et al*. (2008) |
| PA 191  | Marañón | Peru | Motamayor *et al*. (2008) |
| PA 299 | Marañón | Peru | Motamayor *et al*. (2008) |
| Ucayali 66 | Contamana | Peru | Motamayor *et al*. (2008) |
| Ucayali 69 | Contamana | Peru | Motamayor *et al*. (2008) |
| Ucayali 35 | Contamana | Peru | Motamayor *et al*. (2008) |
| Ucayali 4 | Contamana | Peru | Motamayor *et al*. (2008) |
| GU 216/A | Guiana | French Guiana | Motamayor *et al*. (2008) |
| GU 230/A | Guiana | French Guiana | Motamayor *et al*. (2008) |
| KER 5 | Guiana | French Guiana | Motamayor *et al*. (2008) |
| ELP7 A | Guiana | French Guiana | Motamayor *et al*. (2008) |
| GU 254/A | Guiana | French Guiana | Motamayor *et al*. (2008) |
| LCT EEN 411 | Purús | Ecuador | Motamayor *et al*. (2008) |
| LCT EEN 414 | Purús | Ecuador | Motamayor *et al*. (2008) |
| LCT EEN 415 | Purús | Ecuador | Motamayor *et al*. (2008) |
| Gloria 1 | Nacional | Ecuador | Motamayor *et al*. (2008) |
| Gloria 12 | Nacional | Ecuador | Motamayor *et al*. (2008) |
| Las Brisas 30 | Nacional | Ecuador | Motamayor *et al*. (2008) |
| IMC 33 | Iquitos | Peru | Motamayor *et al*. (2008) |
| IMC 6 | Iquitos | Peru | Motamayor *et al*. (2008) |
| IMC 31 | Iquitos | Peru | Motamayor *et al*. (2008) |
| IMC 38 | Iquitos | Peru | Motamayor *et al*. (2008) |
| LCT EEN 389 | Curaray | Ecuador | Motamayor *et al*. (2008) |
| LCT EEN 434 | Curaray | Ecuador | Motamayor *et al*. (2008) |
| LCT EEN 376 | Curaray | Ecuador | Motamayor *et al*. (2008) |
| LCT EEN 386 | Curaray | Ecuador | Motamayor *et al*. (2008) |
| PR145 | Criollo | Puerto Rico | Osorio-Guarín *et al*. (2017) |
| PR71 | Criollo | Puerto Rico | Osorio-Guarín *et al*. (2017) |
| PR129 | Criollo | Puerto Rico | Osorio-Guarín *et al*. (2017) |
| PR155 | Criollo | Puerto Rico | Osorio-Guarín *et al*. (2017) |
| ICS 40 | Trinitario | Trinidad | Dillon *et al*. (2023) |
| RIM 189 | Trinitario | Costa Rica | Dillon *et al*. (2023) |
| DR2 | Trinitario | Indonesia | Dillon *et al*. (2023) |