# Supplementary Figure S1 and Supplementary Tables S1 – S24

X-chromosomal STR based genetic polymorphisms and demographic history of Sri Lankan ethnicities and their relationship with global populations

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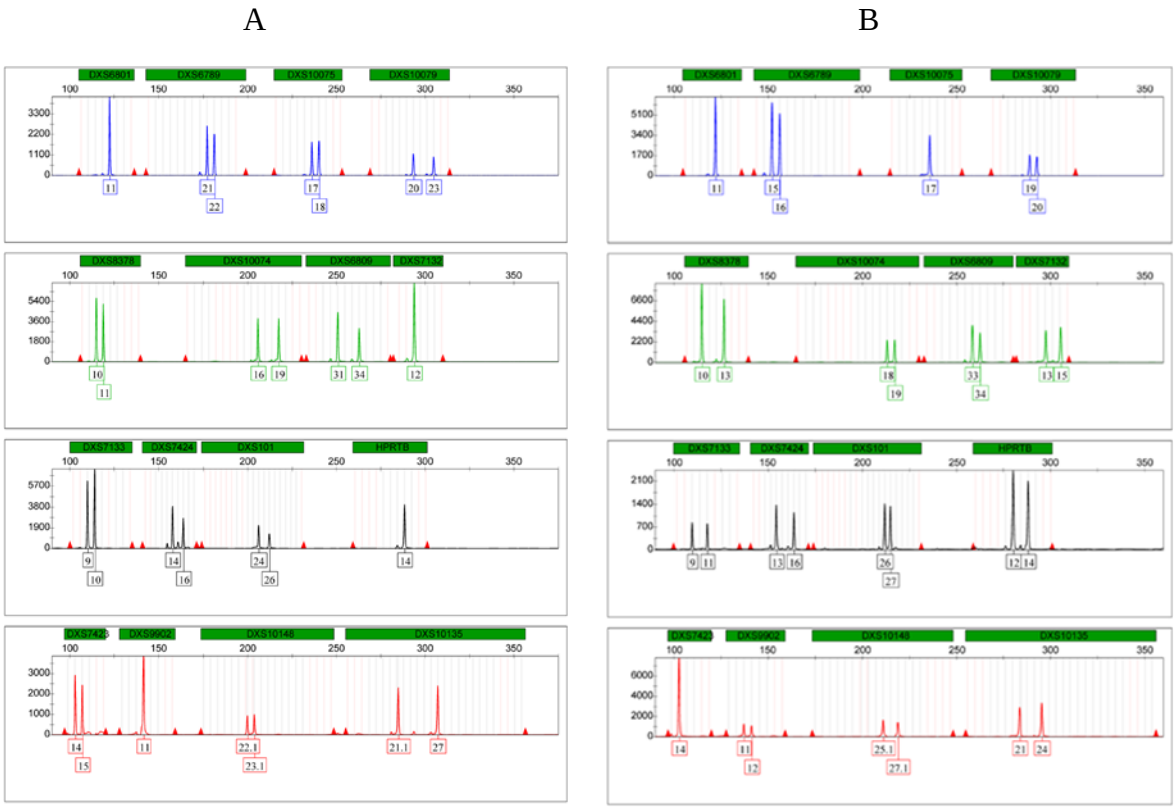


**Supplementary Figure S1. Electropherograms generated for 9947A control DNA (A) and for a female sample (B) for the 16 X-STR multiplex system**

**Supplementary Table S1. Observed and expected heterozygosities and Hardy Weinberg P values for the 16 X-STR loci for female samples of the four ethnicities**

| | Sinhala | | | SL Tamil | | | IND Tamil | | | Moors | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Locus | Obs. Het. | Exp. Het. | P-value | Obs. Het. | Exp. Het. | P-value | Obs. Het. | Exp. Het. | P-value | Obs. Het. | Exp. Het. | P-value |
| DXS10148 | 0.8393 | 0.8966 | 0.2658 | 0.8831 | 0.9014 | 0.1870 | 0.7539 | 0.8893 | 0.0086 | 0.8889 | 0.9016 | 0.6999 |
| DXS10135 | 0.9286 | 0.9340 | 0.2306 | 0.8831 | 0.9363 | 0.1195 | 0.9231 | 0.9238 | 0.7747 | 0.9365 | 0.9308 | 0.3653 |
| DXS8378 | 0.6548 | 0.7007 | 0.0545 | 0.6234 | 0.6825 | 0.4936 | 0.6000 | 0.6297 | 0.4633 | 0.7143 | 0.6994 | 0.5698 |
| DXS9902 | 0.6607 | 0.7411 | 0.2868 | 0.7403 | 0.7560 | 0.8015 | 0.6769 | 0.7232 | 0.7970 | 0.6191 | 0.7366 | 0.1727 |
| DXS7132 | 0.7738 | 0.7347 | 0.8160 | 0.6883 | 0.7419 | 0.3672 | 0.7539 | 0.7419 | 0.4683 | 0.7143 | 0.7432 | 0.6338 |
| DXS10079 | 0.8333 | 0.8267 | 0.0121 | 0.7792 | 0.8180 | 0.4277 | 0.8000 | 0.8222 | 0.2245 | 0.8413 | 0.8319 | 0.8996 |
| DXS10074 | 0.8095 | 0.7965 | 0.5550 | 0.7662 | 0.8257 | 0.2216 | 0.9231 | 0.8032 | 0.6866 | 0.8095 | 0.8249 | 0.5943 |
| DXS10075 | 0.6488 | 0.6732 | 0.2660 | 0.7662 | 0.6997 | 0.6506 | 0.7231 | 0.7350 | 0.9893 | 0.7460 | 0.7209 | 0.9704 |
| DXS6801 | 0.6131 | 0.6684 | 0.2069 | 0.5844 | 0.6397 | 0.2035 | 0.7231 | 0.7026 | 0.0785 | 0.6667 | 0.6702 | 0.7545 |
| DXS6809 | 0.7262 | 0.8062 | 0.0194 | 0.7533 | 0.8131 | 0.0839 | 0.8462 | 0.8171 | 0.1398 | 0.8571 | 0.7977 | 0.8134 |
| DXS6789 | 0.8274 | 0.7829 | 0.7141 | 0.7922 | 0.7841 | 0.5919 | 0.6923 | 0.7946 | 0.0548 | 0.7778 | 0.8151 | 0.9414 |
| DXS7424 | 0.8274 | 0.8369 | 0.0123 | 0.7792 | 0.8202 | 0.6334 | 0.7692 | 0.7764 | 0.3223 | 0.8095 | 0.8258 | 0.4403 |
| DXS101 | 0.8095 | 0.8188 | 0.1392 | 0.7403 | 0.8498 | 0.0093 | 0.8462 | 0.8464 | 0.2796 | 0.8413 | 0.8156 | 0.5327 |
| DXS7133 | 0.6964 | 0.6550 | 0.1544 | 0.5325 | 0.5826 | 0.3662 | 0.5385 | 0.5541 | 0.6216 | 0.6032 | 0.6340 | 0.0328 |
| HPRTB | 0.7262 | 0.7429 | 0.9043 | 0.6234 | 0.7304 | 0.1846 | 0.7539 | 0.7137 | 0.4004 | 0.6825 | 0.7459 | 0.1289 |
| DXS7423 | 0.6845 | 0.6541 | 0.7186 | 0.6234 | 0.5949 | 0.7301 | 0.6308 | 0.5819 | 0.8060 | 0.5556 | 0.6318 | 0.1338 |

**Supplementary Table S2. Allele frequencies and forensic parameters of DXS10148, DXS10135, DXS8378 and DXS9902 for four ethnicities**

| Allele | DXS10148 | | | | DXS10135 | | | | DXS8378 | | | | DXS9902 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sinhala | SL Tamil | IND Tamil | Moors | Sinhala | SL Tamil | IND Tamil | Moors | Sinhala | SL Tamil | IND Tamil | Moors | Sinhala | SL Tamil | IND Tamil | Moors |
| 6 | | | | | | | | | | | | | 0.0017 | 0.0043 | | 0.0052 |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | 0.0051 | | | | | 0.0043 | 0.0104 | |
| 9 | | | | | | | | | 0.0690 | 0.0303 | 0.0570 | 0.0415 | 0.1263 | 0.1602 | 0.0881 | 0.0881 |
| 10 | | | | | | | | | 0.2340 | 0.2381 | 0.1865 | 0.2902 | 0.3233 | 0.3030 | 0.2694 | 0.3109 |
| 11 | | | | | | | | | 0.4276 | 0.4416 | 0.5233 | 0.4249 | 0.3148 | 0.3074 | 0.4197 | 0.2798 |
| 11.1 | | | | | | | | | | | | | 0.0017 | | 0.0104 | |
| 12 | | | | | | | | | 0.2340 | 0.2511 | 0.1917 | 0.2124 | 0.2037 | 0.1905 | 0.1814 | 0.2902 |
| 12.1 | | | | | | | | | | | | | 0.0051 | 0.0087 | | 0.0052 |
| 13 | | | | | | | | | 0.0286 | 0.0260 | 0.0415 | 0.0311 | 0.0219 | 0.0217 | 0.0207 | 0.0207 |
| 14 | | 0.0043 | | | 0.0017 | | | | 0.0017 | 0.0130 | | | 0.0017 | | | |
| 15 | | | | | | | | | | | | | | | | |
| 16 | | | 0.0052 | | 0.0017 | 0.0087 | | | | | | | | | | |
| 17 | 0.0269 | 0.0260 | 0.0207 | 0.0052 | 0.0168 | 0.0217 | | 0.0104 | | | | | | | | |
| 18 | 0.1599 | 0.1515 | 0.2021 | 0.1554 | 0.0269 | 0.0390 | 0.0259 | 0.0363 | | | | | | | | |
| 19 | 0.0455 | 0.0520 | 0.0518 | 0.0622 | 0.0337 | 0.0606 | 0.0363 | 0.0311 | | | | | | | | |
| 19.1 | | | | 0.0155 | | | | | | | | | | | | |
| 20 | 0.0505 | 0.0433 | 0.0829 | 0.0725 | 0.0640 | 0.0476 | 0.0415 | 0.0518 | | | | | | | | |
| 20.1 | 0.0101 | 0.0130 | | 0.0104 | | | | 0.0052 | | | | | | | | |
| 21 | 0.0471 | 0.0390 | 0.0518 | 0.0311 | 0.0724 | 0.0346 | 0.0570 | 0.0674 | | | | | | | | |
| 21.1 | 0.0101 | 0.0130 | 0.0104 | 0.0155 | 0.0017 | 0.0087 | | 0.0155 | | | | | | | | |
| 22 | 0.0067 | 0.0087 | 0.0104 | | 0.0960 | 0.0996 | 0.0622 | 0.1036 | | | | | | | | |
| 22.1 | 0.0202 | 0.0087 | 0.0155 | 0.0311 | | 0.0043 | | | | | | | | | | |
| 23 | | 0.0087 | 0.0052 | 0.0052 | 0.0724 | 0.0693 | 0.0415 | 0.0725 | | | | | | | | |
| 23.1 | 0.0337 | 0.0520 | 0.0518 | 0.0363 | | | | | | | | | | | | |
| 23.2 | 0.0017 | | | | | | | | | | | | | | | |
| 24 | | | | 0.0052 | 0.0673 | 0.0693 | 0.0881 | 0.0363 | | | | | | | | |
| 24.1 | 0.1364 | 0.0649 | 0.0622 | 0.0829 | | | | | | | | | | | | |
| 25 | 0.0017 | | | | 0.0791 | 0.0693 | 0.0674 | 0.0881 | | | | | | | | |
| 25.1 | 0.1195 | 0.1602 | 0.1192 | 0.1658 | | | | | | | | | | | | |
| 26 | 0.0017 | 0.0043 | | | 0.0909 | 0.0703 | 0.1244 | 0.0466 | | | | | | | | |

| Allele | DXS10148 | | | | DXS10135 | | | | DXS8378 | | | | DXS9902 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sinhala | SL Tamil | IND Tamil | Moors | Sinhala | SL Tamil | IND Tamil | Moors | Sinhala | SL Tamil | IND Tamil | Moors | Sinhala | SL Tamil | IND Tamil | Moors |
| 26.1 | 0.1465 | 0.1775 | 0.1244 | 0.1814 | | | | | | | | | | | | |
| 26.2 | 0.0017 | | | | | | | | | | | | | | | |
| 27 | | | | | 0.0976 | 0.0909 | 0.1088 | 0.1088 | | | | | | | | |
| 27.1 | 0.0909 | 0.1039 | 0.1244 | 0.0570 | | | | | | | | | | | | |
| 28 | | | | | 0.0774 | 0.0606 | 0.0622 | 0.0674 | | | | | | | | |
| 28.1 | 0.0673 | 0.0346 | 0.0363 | 0.0466 | | | | | | | | | | | | |
| 29 | | | | | 0.0791 | 0.0649 | 0.0985 | 0.1244 | | | | | | | | |
| 29.1 | 0.0152 | 0.0217 | 0.0259 | 0.0155 | | | | | | | | | | | | |
| 29.2 | | | | 0.0052 | | 0.0043 | | | | | | | | | | |
| 30 | | | | | 0.0320 | 0.0433 | 0.0777 | 0.0207 | | | | | | | | |
| 30.1 | 0.0051 | 0.0130 | | | | | | | | | | | | | | |
| 31 | | | | | 0.0337 | 0.0563 | 0.0311 | 0.0674 | | | | | | | | |
| 31.1 | 0.0017 | | | | | | | | | | | | | | | |
| 32 | | | | | 0.0152 | 0.0390 | 0.0155 | 0.0104 | | | | | | | | |
| 33 | | | | | 0.0118 | 0.0043 | 0.0259 | 0.0155 | | | | | | | | |
| 34 | | | | | 0.0118 | | 0.0155 | 0.0104 | | | | | | | | |
| 35 | | | | | 0.0067 | 0.0087 | 0.0155 | 0.0104 | | | | | | | | |
| 36 | | | | | | | | | | | | | | | | |
| 37 | | | | | 0.0067 | 0.0043 | | | | | | | | | | |
| 38 | | | | | 0.0017 | 0.0043 | 0.0052 | | | | | | | | | |
| 39 | | | | | 0.0017 | 0.0087 | | | | | | | | | | |

**Supplementary Table S3. Allele frequencies of DXS7132, DXS10079, DXS10074 and DXS10075 for four ethnicities**

| Allele | DXS7132 | | | | DXS10079 | | | | DXS10074 | | | | DXS10075 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sinhala | SL Tamil | IND Tamil | Moors | Sinhala | SL Tamil | IND Tamil | Moors | Sinhala | SL Tamil | IND Tamil | Moors | Sinhala | SL Tamil | IND Tamil | Moors |
| 5 | | | | | | | | | | | 0.0052 | | | | | |
| 7 | | | | | | | | | 0.0253 | 0.0390 | 0.0415 | 0.0415 | | | | |
| 8 | | | | | | | | | 0.0236 | 0.0217 | 0.0259 | 0.0466 | | | | |
| 9 | | | | | | | | | 0.0051 | 0.0130 | 0.0104 | 0.0259 | | | | |
| 11 | 0.0101 | 0.0087 | 0.0207 | | | | | | | 0.0043 | | | | | | |
| 12 | 0.1162 | 0.0996 | 0.0985 | 0.1503 | | | | | 0.0017 | 0.0043 | 0.0052 | | 0.0034 | | 0.0052 | 0.0104 |
| 13 | 0.2929 | 0.2597 | 0.2539 | 0.2798 | 0.0017 | 0.0087 | | | | | | | 0.0253 | 0.0390 | 0.0415 | 0.0311 |
| 13.2 | | | | | | | | | | | | | | | | |
| 14 | 0.3771 | 0.3853 | 0.3420 | 0.3575 | | 0.0043 | 0.0052 | | 0.0101 | | 0.0207 | 0.0155 | 0.0067 | 0.0217 | 0.0155 | 0.0415 |
| 15 | 0.1700 | 0.2035 | 0.2487 | 0.1658 | 0.0152 | 0.0087 | 0.0207 | 0.0104 | 0.1027 | 0.1299 | 0.0674 | 0.0777 | 0.0202 | 0.0087 | 0.0207 | 0.0207 |
| 15.3 | | | | | | | | | 0.0017 | | | | | | | |
| 16 | 0.0337 | 0.0390 | 0.0311 | 0.0259 | 0.0438 | 0.0260 | 0.0155 | 0.0311 | 0.2492 | 0.2165 | 0.2176 | 0.2021 | 0.2138 | 0.2251 | 0.2124 | 0.1917 |
| 16.1 | | | | | | | | | | 0.0043 | | | | | | |
| 17 | | 0.0043 | 0.0052 | 0.0207 | 0.0606 | 0.0779 | 0.0777 | 0.0829 | 0.2778 | 0.2597 | 0.2643 | 0.2953 | 0.4562 | 0.4762 | 0.4352 | 0.4145 |
| 17.1 | | | | | | | | | 0.0017 | | | | | | | |
| 17.3 | | | | | | | | | 0.0017 | | | | | | 0.0052 | |
| 18 | | | | | 0.1431 | 0.0996 | 0.1295 | 0.2021 | 0.2003 | 0.2165 | 0.2435 | 0.1865 | 0.2441 | 0.2165 | 0.2228 | 0.2643 |
| 19 | | | | | 0.2273 | 0.2511 | 0.2435 | 0.2124 | 0.0791 | 0.0779 | 0.0829 | 0.0881 | 0.0286 | 0.0130 | 0.0311 | 0.0259 |
| 19.3 | | | | | 0.0067 | | | | | | | | | | | |
| 20 | | | | | 0.2727 | 0.2544 | 0.3005 | 0.2383 | 0.0168 | 0.0130 | 0.0155 | 0.0207 | 0.0017 | | 0.0052 | |
| 20.1 | | | | | | | 0.0052 | | | | | | | | | |
| 21 | | | | | 0.1515 | 0.1991 | 0.0052 | 0.1606 | 0.0034 | | | | | | 0.0052 | |
| 21.1 | | | | | 0.0017 | | | 0.0052 | | | | | | | | |
| 22 | | | | | 0.0640 | 0.0476 | 0.0570 | 0.0518 | | | | | | | | |
| 23 | | | | | 0.0101 | 0.0217 | 0.0155 | 0.0052 | | | | | | | | |
| 24 | | | | | 0.0017 | | 0.0052 | | | | | | | | | |

## Supplementary Table S4. Allele frequencies of DXS6801, DXS6809, DXS6789 and DXS7424 for four ethnicities

| Allele | DXS6801 | | | | DXS6809 | | | | DXS6789 | | | | DXS7424 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sinhala | SL Tamil | IND Tamil | Moors | Sinhala | SL Tamil | IND Tamil | Moors | Sinhala | SL Tamil | IND Tamil | Moors | Sinhala | SL Tamil | IND Tamil | Moors |
| 8 | 0.0017 | 0.0130 | 0.0052 | 0.0052 | | | | | | | | | | | | |
| 9 | 0.0051 | 0.0130 | 0.0207 | 0.0052 | | | | | | | | | | | | |
| 10 | 0.2323 | 0.2078 | 0.3161 | 0.2539 | | | | | | | | | 0.0101 | 0.0043 | | |
| 11 | 0.4613 | 0.4849 | 0.4042 | 0.4301 | | | | | | | | | 0.0960 | 0.1082 | 0.0466 | 0.0985 |
| 12 | 0.2306 | 0.1991 | 0.1969 | 0.2383 | | | | | | | | | 0.0606 | 0.0606 | 0.0155 | 0.0829 |
| 13 | 0.0640 | 0.0693 | 0.0570 | 0.0674 | | | | | | | | | 0.2458 | 0.2597 | 0.2694 | 0.2073 |
| 14 | 0.0051 | 0.0130 | | | | | | | 0.0303 | 0.0173 | 0.0259 | 0.0155 | 0.1684 | 0.2338 | 0.2539 | 0.1969 |
| 15 | | | | | | | | | 0.2206 | 0.2900 | 0.2902 | 0.2591 | 0.1953 | 0.2165 | 0.2694 | 0.2228 |
| 16 | | | | | | | | | 0.0859 | 0.1299 | 0.0829 | 0.1036 | 0.1717 | 0.1039 | 0.0933 | 0.1399 |
| 17 | | | | | | | | | 0.0202 | 0.0130 | 0.0155 | 0.0207 | 0.0421 | 0.0087 | 0.0363 | 0.0518 |
| 18 | | | | | | | | | 0.0101 | | 0.0259 | 0.0155 | 0.0084 | 0.0043 | 0.0155 | |
| 19 | | | | | | | | | 0.0067 | 0.0173 | 0.0155 | 0.0415 | 0.0017 | | | |
| 20 | | | | | | | | | 0.3367 | 0.2944 | 0.3109 | 0.3005 | | | | |
| 21 | | | | | | | | | 0.1684 | 0.1255 | 0.1503 | 0.1451 | | | | |
| 22 | | | | | | | | | 0.0909 | 0.0866 | 0.0363 | 0.0674 | | | | |
| 23 | | | | | | | | | 0.0286 | 0.0260 | 0.0311 | 0.0259 | | | | |
| 24 | | | | | | | | | 0.0017 | | 0.0155 | 0.0052 | | | | |
| 27 | | | | | 0.0017 | 0.0087 | | | | | | | | | | |
| 28 | | | | | 0.0051 | 0.0130 | 0.0104 | | | | | | | | | |
| 29 | | | | | 0.0152 | 0.0217 | 0.0311 | 0.0207 | | | | | | | | |
| 30 | | | | | 0.0337 | 0.0173 | 0.0415 | 0.0207 | | | | | | | | |
| 31 | | | | | 0.1010 | 0.0823 | 0.1295 | 0.1036 | | | | | | | | |
| 32 | | | | | 0.1179 | 0.1039 | 0.1295 | 0.1554 | | | | | | | | |
| 33 | | | | | 0.3418 | 0.3160 | 0.3264 | 0.3212 | | | | | | | | |
| 34 | | | | | 0.2121 | 0.2165 | 0.1606 | 0.2435 | | | | | | | | |
| 35 | | | | | 0.0943 | 0.1429 | 0.1244 | 0.0829 | | | | | | | | |
| 36 | | | | | 0.0505 | 0.0563 | 0.0415 | 0.0363 | | | | | | | | |
| 37 | | | | | 0.0253 | 0.0217 | 0.0052 | 0.0155 | | | | | | | | |
| 38 | | | | | 0.0017 | | | | | | | | | | | |

**Supplementary Table S5. Allele frequencies of DXS101, DXS7133, HPRTB and DXS7423 for four ethnicities**

| Allele | DXS101 | | | | DXS7133 | | | | HPRTB | | | | DXS7423 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Sinhala | SL Tamil | IND Tamil | Moors | Sinhala | SL Tamil | IND Tamil | Moors | Sinhala | SL Tamil | IND Tamil | Moors | Sinhala | SL Tamil | IND Tamil | Moors |
| **7** | | | | | 0.0034 | | | | | | | | | | | |
| 8 | | | | | 0.0404 | 0.0476 | 0.0207 | 0.0155 | | | | | | | | |
| 9 | | | | | 0.5084 | 0.5844 | 0.5803 | 0.4767 | | | | | | | | |
| 10 | | | | | 0.1549 | 0.1558 | 0.1710 | 0.1865 | 0.0051 | 0.0043 | | | | | | |
| 11 | | | | | 0.2508 | 0.1688 | 0.1710 | 0.2850 | 0.0640 | 0.0520 | 0.0311 | 0.0674 | | | | |
| 11.2 | | | | | | | | | 0.0017 | | | | | | | |
| 12 | | | | | 0.0118 | 0.0130 | 0.0363 | 0.0155 | 0.2677 | 0.2857 | 0.2228 | 0.3420 | | | | |
| 13 | | | | | 0.0084 | 0.0173 | 0.0155 | 0.0207 | 0.3519 | 0.3680 | 0.4042 | 0.3161 | 0.0269 | 0.0173 | 0.0311 | 0.0570 |
| 13.2 | | | | | | | | | 0.0017 | | | | | | | |
| 14 | | | | | 0.0202 | 0.0130 | 0.0052 | | 0.2020 | 0.2251 | 0.2487 | 0.1969 | 0.4478 | 0.4502 | 0.4560 | 0.4255 |
| 15 | 0.0101 | 0.0087 | 0.0052 | | 0.0017 | | | | 0.1044 | 0.0563 | 0.0777 | 0.0622 | 0.4057 | 0.4372 | 0.4508 | 0.3990 |
| 16 | | | | | | | | | | 0.0087 | 0.0155 | 0.0104 | 0.1094 | 0.0866 | 0.0622 | 0.1036 |
| 17 | | | | | | | | | 0.0017 | | | 0.0052 | 0.0101 | 0.0087 | | 0.0155 |
| 18 | 0.0135 | 0.0130 | 0.0207 | 0.0052 | | | | | | | | | | | | |
| 19 | 0.0017 | 0.0043 | 0.0052 | 0.0052 | | | | | | | | | | | | |
| 20 | 0.0084 | 0.0087 | 0.0104 | 0.0052 | | | | | | | | | | | | |
| 21 | 0.0084 | 0.0173 | 0.0052 | 0.0052 | | | | | | | | | | | | |
| 22 | 0.0303 | 0.0390 | 0.0207 | 0.0259 | | | | | | | | | | | | |
| 23 | 0.0724 | 0.1212 | 0.1451 | 0.0985 | | | | | | | | | | | | |
| 24 | 0.2963 | 0.2121 | 0.2591 | 0.2591 | | | | | | | | | | | | |
| 25 | 0.2205 | 0.2208 | 0.1865 | 0.2539 | | | | | | | | | | | | |
| 26 | 0.1616 | 0.1818 | 0.1658 | 0.1192 | | | | | | | | | | | | |
| 27 | 0.0875 | 0.0866 | 0.0881 | 0.1399 | | | | | | | | | | | | |
| 28 | 0.0724 | 0.0693 | 0.0622 | 0.0570 | | | | | | | | | | | | |
| 29 | 0.0101 | 0.0173 | 0.0207 | 0.0207 | | | | | | | | | | | | |
| 30 | 0.0051 | | 0.0052 | 0.0052 | | | | | | | | | | | | |
| 31 | 0.0017 | | | | | | | | | | | | | | | |

**Supplementary Table S6. Forensic parameters of 16 X-STR loci among the four ethnic populations**

| | DXS10148 | | | | DXS10135 | | | |
|---|---|---|---|---|---|---|---|---|
| | Sinhala | SLT | INT | Moors | Sinhala | SLT | INT | Moors |
| PIC | 0.8889 | 0.8838 | 0.8831 | 0.8802 | 0.9260 | 0.9345 | 0.9210 | 0.9206 |
| He | 0.8976 | 0.8929 | 0.8923 | 0.8898 | 0.9304 | 0.9380 | 0.9258 | 0.9255 |
| $PD_f$ | 0.9808 | 0.9794 | 0.9792 | 0.9782 | 0.9907 | 0.9926 | 0.9896 | 0.9895 |
| $PD_m$ | 0.8976 | 0.8929 | 0.8923 | 0.8898 | 0.9304 | 0.9380 | 0.9258 | 0.9255 |
| $MEC_{Kru}$ | 0.7940 | 0.7865 | 0.7850 | 0.7803 | 0.8586 | 0.8739 | 0.8498 | 0.8491 |
| $MEC_{Des\text{-}trio}$ | 0.8889 | 0.8838 | 0.8831 | 0.8802 | 0.9260 | 0.9345 | 0.9210 | 0.9206 |
| $MEC_{Des\text{-}duo}$ | 0.8082 | 0.8010 | 0.7997 | 0.7956 | 0.8663 | 0.8803 | 0.8583 | 0.8577 |

**Supplementary Table S7. Forensic parameters of 16 X-STR loci among the four ethnic populations**

| | DXS8378 | | | | DXS9902 | | | |
|---|---|---|---|---|---|---|---|---|
| | Sinhala | SLT | INT | Moors | Sinhala | SLT | INT | Moors |
| PIC | 0.6526 | 0.6285 | 0.6044 | 0.6314 | 0.6927 | 0.7085 | 0.6633 | 0.6837 |
| He | 0.7020 | 0.6835 | 0.6496 | 0.6874 | 0.7384 | 0.7511 | 0.7099 | 0.7326 |
| $PD_f$ | 0.8618 | 0.8449 | 0.8320 | 0.8463 | 0.8859 | 0.8954 | 0.8692 | 0.8796 |
| $PD_m$ | 0.7020 | 0.6835 | 0.6496 | 0.6874 | 0.7384 | 0.7511 | 0.7099 | 0.7326 |
| $MEC_{Kru}$ | 0.4555 | 0.4266 | 0.4119 | 0.4287 | 0.4991 | 0.5187 | 0.4699 | 0.4863 |
| $MEC_{Des\text{-}trio}$ | 0.6526 | 0.6285 | 0.6044 | 0.6314 | 0.6927 | 0.7085 | 0.6633 | 0.6837 |
| $MEC_{Des\text{-}duo}$ | 0.5082 | 0.4825 | 0.4563 | 0.4857 | 0.5523 | 0.5702 | 0.5201 | 0.5423 |

**Supplementary Table S8. Forensic parameters of 16 X-STR loci among the four ethnic populations**

| | DXS7132 | | | | DXS10079 | | | |
|---|---|---|---|---|---|---|---|---|
| | Sinhala | SLT | INT | Moors | Sinhala | SLT | INT | Moors |
| PIC | 0.6831 | 0.6873 | 0.7026 | 0.7002 | 0.79741 | 0.7873 | 0.8040 | 0.7962 |
| He | 0.7283 | 0.7311 | 0.7456 | 0.7427 | 0.82046 | 0.8125 | 0.8233 | 0.8207 |
| $PD_f$ | 0.8810 | 0.8838 | 0.8923 | 0.8913 | 0.94471 | 0.9396 | 0.9495 | 0.9433 |
| $PD_m$ | 0.7283 | 0.7311 | 0.7456 | 0.7427 | 0.82046 | 0.8125 | 0.8233 | 0.8207 |
| $MEC_{Kru}$ | 0.4912 | 0.4966 | 0.5134 | 0.5111 | 0.64806 | 0.6329 | 0.5350 | 0.6433 |
| $MEC_{Des\text{-}trio}$ | 0.6831 | 0.6873 | 0.7026 | 0.7002 | 0.79741 | 0.7873 | 0.8040 | 0.7962 |
| $MEC_{Des\text{-}duo}$ | 0.5419 | 0.5465 | 0.5639 | 0.5610 | 0.67993 | 0.6670 | 0.6910 | 0.6777 |

**Supplementary Table S9. Forensic parameters of 16 X-STR loci among the four ethnic populations**

| | DXS10074 | | | | DXS10075 | | | |
|---|---|---|---|---|---|---|---|---|
| | Sinhala | SLT | INT | Moors | Sinhala | SLT | INT | Moors |
| PIC | 0.7746 | 0.7881 | 0.7830 | 0.7956 | 0.6341 | 0.6230 | 0.6699 | 0.6888 |
| He | 0.8021 | 0.8136 | 0.8088 | 0.8181 | 0.6846 | 0.6735 | 0.7123 | 0.7301 |
| $PD_f$ | 0.9333 | 0.9397 | 0.9376 | 0.9444 | 0.8500 | 0.8429 | 0.8748 | 0.8858 |
| $PD_m$ | 0.8021 | 0.8136 | 0.8088 | 0.8181 | 0.6846 | 0.6735 | 0.7123 | 0.7301 |
| $MEC_{Kru}$ | 0.6145 | 0.6325 | 0.6277 | 0.6474 | 0.4372 | 0.4260 | 0.4824 | 0.5040 |
| $MEC_{Des\text{-}trio}$ | 0.7746 | 0.7881 | 0.7830 | 0.7956 | 0.6341 | 0.6230 | 0.6699 | 0.6888 |
| $MEC_{Des\text{-}duo}$ | 0.6509 | 0.6677 | 0.6619 | 0.6780 | 0.4885 | 0.4766 | 0.5278 | 0.5493 |

**Supplementary Table S10. Forensic parameters of 16 X-STR loci among the four ethnic populations**

| | DXS6801 | | | | DXS6809 | | | |
|---|---|---|---|---|---|---|---|---|
| | Sinhala | SLT | INT | Moors | Sinhala | SLT | INT | Moors |
| PIC | 0.6219 | 0.6311 | 0.6390 | 0.6342 | 0.7769 | 0.7876 | 0.7923 | 0.7655 |
| He | 0.6759 | 0.6768 | 0.6943 | 0.6892 | 0.8006 | 0.8107 | 0.8141 | 0.7933 |
| $PD_f$ | 0.8409 | 0.8498 | 0.8512 | 0.8484 | 0.9365 | 0.9410 | 0.9437 | 0.9294 |
| $PD_m$ | 0.6759 | 0.6768 | 0.6943 | 0.6892 | 0.8006 | 0.8107 | 0.8141 | 0.7933 |
| $MEC_{Kru}$ | 0.4201 | 0.4380 | 0.4374 | 0.4309 | 0.6234 | 0.6369 | 0.6436 | 0.6038 |
| $MEC_{Des\text{-}trio}$ | 0.6219 | 0.6311 | 0.6390 | 0.6342 | 0.7769 | 0.7876 | 0.7923 | 0.7655 |
| $MEC_{Des\text{-}duo}$ | 0.4750 | 0.4848 | 0.4940 | 0.4882 | 0.6544 | 0.6678 | 0.6735 | 0.6397 |

**Supplementary Table S11. Forensic parameters of 16 X-STR loci among the four ethnic populations**

| | DXS6789 | | | | DXS7424 | | | |
|---|---|---|---|---|---|---|---|---|
| | Sinhala | SLT | INT | Moors | Sinhala | SLT | INT | Moors |
| PIC | 0.7644 | 0.7577 | 0.7562 | 0.7773 | 0.8063 | 0.7766 | 0.7430 | 0.8072 |
| He | 0.7917 | 0.7876 | 0.7853 | 0.8029 | 0.8288 | 0.8047 | 0.7776 | 0.8298 |
| $PD_f$ | 0.9293 | 0.9250 | 0.9248 | 0.9355 | 0.9482 | 0.9337 | 0.9159 | 0.9484 |
| $PD_m$ | 0.7917 | 0.7876 | 0.7853 | 0.8029 | 0.8288 | 0.8047 | 0.7776 | 0.8298 |
| $MEC_{Kru}$ | 0.6035 | 0.5921 | 0.5937 | 0.6215 | 0.6587 | 0.6143 | 0.5684 | 0.6588 |
| $MEC_{Des\text{-}trio}$ | 0.7644 | 0.7577 | 0.7562 | 0.7773 | 0.8063 | 0.7766 | 0.7430 | 0.8072 |
| $MEC_{Des\text{-}duo}$ | 0.6385 | 0.6300 | 0.6292 | 0.6549 | 0.6909 | 0.6526 | 0.6118 | 0.6916 |

**Supplementary Table S12. Forensic parameters of 16 X-STR loci among the four ethnic populations**

| | DXS101 | | | | DXS7133 | | | |
|---|---|---|---|---|---|---|---|---|
| | Sinhala | SLT | INT | Moors | Sinhala | SLT | INT | Moors |
| PIC | 0.7955 | 0.8251 | 0.8167 | 0.7976 | 0.6028 | 0.5630 | 0.5600 | 0.5968 |
| He | 0.8178 | 0.8437 | 0.8364 | 0.8204 | 0.6523 | 0.6028 | 0.6027 | 0.6558 |
| $PD_f$ | 0.9445 | 0.9569 | 0.9534 | 0.9448 | 0.8296 | 0.8025 | 0.7995 | 0.8225 |
| $PD_m$ | 0.8178 | 0.8437 | 0.8364 | 0.8204 | 0.6523 | 0.6028 | 0.6027 | 0.6558 |
| $MEC_{Kru}$ | 0.6478 | 0.6895 | 0.6769 | 0.6488 | 0.4089 | 0.3773 | 0.3721 | 0.3939 |
| $MEC_{Des\text{-}trio}$ | 0.7955 | 0.8251 | 0.8167 | 0.7976 | 0.6028 | 0.5630 | 0.5600 | 0.5968 |
| $MEC_{Des\text{-}duo}$ | 0.6780 | 0.7166 | 0.7053 | 0.6803 | 0.4556 | 0.4139 | 0.4110 | 0.4496 |

**Supplementary Table S13. Forensic parameters of 16 X-STR loci among the four ethnic populations.**

| | HPRTB | | | | DXS7423 | | | |
|---|---|---|---|---|---|---|---|---|
| | Sinhala | SLT | INT | Moors | Sinhala | SLT | INT | Moors |
| PIC | 0.7078 | 0.6790 | 0.6713 | 0.6912 | 0.5466 | 0.5146 | 0.4956 | 0.5788 |
| He | 0.7487 | 0.7263 | 0.7179 | 0.7358 | 0.6220 | 0.5983 | 0.5840 | 0.6460 |
| $PD_f$ | 0.8959 | 0.8778 | 0.8738 | 0.8856 | 0.7817 | 0.7549 | 0.7385 | 0.8074 |
| $PD_m$ | 0.7487 | 0.7263 | 0.7179 | 0.7358 | 0.6220 | 0.5983 | 0.5840 | 0.6460 |
| $MEC_{Kru}$ | 0.5212 | 0.4849 | 0.4774 | 0.5011 | 0.3432 | 0.3127 | 0.2958 | 0.3775 |
| $MEC_{Des\text{-}trio}$ | 0.7078 | 0.6790 | 0.6713 | 0.6912 | 0.5466 | 0.5146 | 0.4956 | 0.5788 |
| $MEC_{Des\text{-}duo}$ | 0.5698 | 0.5375 | 0.5288 | 0.5514 | 0.4020 | 0.3720 | 0.3548 | 0.4336 |

PIC: polymorphism information content, He: expected heterozygosity, PD female: power of discrimination in females, PD male: power of discrimination in males, MEC Krü: mean exclusion chance Kruger, MEC Des.trio: mean exclusion chance Desmaris trio. MEC Des.duo: mean exclusion chance Desmaris duo, SLT: Sri Lankan Tamil, INT: Indian Tamil.

## Supplementary Table S14. Pairwise Fst values calculated for DXS10148

| DXS10148 | Sinhala | SL Tamil | IND Tamil | Moors | Bhil India | Bangladesh | Malaysia | Thailand | China |
|---|---|---|---|---|---|---|---|---|---|
| Sinhala | | 0.0527 | 0.0411 | 0.1054 | 0.2828 | 0.0774 | 0.0099 | 0.0077 | 0.0003 |
| SL Tamil | 0.0025 | | 0.3100 | 0.7555 | 0.7544 | 0.7180 | 0.0359 | 0.0013 | 0.0024 |
| IND Tamil | 0.0031 | 0.0007 | | 0.1046 | 0.2029 | 0.0403 | 0.0198 | 0.0030 | 0.0010 |
| Moors | 0.0021 | -0.0017 | 0.0030 | | 0.6308 | 0.3559 | 0.0339 | 0.0050 | 0.0021 |
| Bhil India | 0.0005 | -0.0014 | 0.0015 | -0.0010 | | 0.5522 | 0.0066 | 0.0017 | 0.0008 |
| Bangladesh | 0.0017 | -0.0011 | 0.0039 | 0.0004 | -0.0005 | | 0.0079 | 0.0045 | 0.0020 |
| Malaysia | 0.0027 | 0.0031 | 0.0044 | 0.0037 | 0.0048 | 0.0038 | | 0.1572 | 0.0780 |
| Thailand | 0.0028 | 0.0067 | 0.0062 | 0.0057 | 0.0055 | 0.0042 | 0.0009 | | 0.0608 |
| China | 0.0041 | 0.0058 | 0.0072 | 0.0067 | 0.0063 | 0.0041 | 0.0013 | 0.0013 | |
| Japan | 0.0041 | 0.0034 | 0.0056 | 0.0036 | 0.0029 | 0.0025 | 0.0029 | 0.0020 | 0.0035 |
| Taiwan | 0.0056 | 0.0071 | 0.0109 | 0.0092 | 0.0079 | 0.0048 | 0.0020 | 0.0015 | 0.0003 |
| Germany | 0.0074 | 0.0055 | 0.0136 | 0.0066 | 0.0072 | 0.0034 | 0.0076 | 0.0078 | 0.0054 |
| Italy | 0.0063 | 0.0027 | 0.0106 | 0.0059 | 0.0036 | 0.0011 | 0.0104 | 0.0107 | 0.0067 |
| Sweden | 0.0075 | 0.0045 | 0.0129 | 0.0067 | 0.0071 | 0.0037 | 0.0084 | 0.0087 | 0.0061 |
| Denmark | 0.0117 | 0.0106 | 0.0197 | 0.0118 | 0.0139 | 0.0074 | 0.0127 | 0.0119 | 0.0099 |
| North Portugal | 0.0031 | 0.0050 | 0.0095 | 0.0068 | 0.0047 | 0.0039 | 0.0037 | 0.0045 | 0.0015 |
| Somalia | 0.0285 | 0.0291 | 0.0350 | 0.0285 | 0.0288 | 0.0259 | 0.0273 | 0.0253 | 0.0280 |
| Ivory Coast | 0.0351 | 0.0355 | 0.0317 | 0.0362 | 0.0352 | 0.0352 | 0.0322 | 0.0335 | 0.0348 |

| DXS10148 | Japan | Taiwan | Germany | Italy | Sweden | Denmark | North Portugal | Somalia | Ivory Coast |
|---|---|---|---|---|---|---|---|---|---|
| Sinhala | 0.0000 | 0.0000 | 0.0000 | 0.0061 | 0.0000 | 0.0000 | 0.0184 | 0.0000 | 0.0000 |
| SL Tamil | 0.0119 | 0.0001 | 0.0029 | 0.1352 | 0.0115 | 0.0011 | 0.0186 | 0.0000 | 0.0000 |
| IND Tamil | 0.0031 | 0.0000 | 0.0000 | 0.0048 | 0.0001 | 0.0000 | 0.0012 | 0.0000 | 0.0000 |
| Moors | 0.0179 | 0.0001 | 0.0022 | 0.0374 | 0.0041 | 0.0009 | 0.0091 | 0.0000 | 0.0000 |
| Bhil India | 0.0162 | 0.0001 | 0.0003 | 0.0851 | 0.0006 | 0.0000 | 0.0160 | 0.0000 | 0.0000 |
| Bangladesh | 0.0150 | 0.0019 | 0.0074 | 0.2620 | 0.0121 | 0.0036 | 0.0212 | 0.0000 | 0.0000 |
| Malaysia | 0.0035 | 0.0295 | 0.0000 | 0.0002 | 0.0000 | 0.0000 | 0.0143 | 0.0000 | 0.0000 |
| Thailand | 0.0110 | 0.0463 | 0.0000 | 0.0001 | 0.0000 | 0.0003 | 0.0041 | 0.0000 | 0.0000 |
| China | 0.0002 | 0.2916 | 0.0000 | 0.0043 | 0.0000 | 0.0001 | 0.0961 | 0.0000 | 0.0000 |
| Japan | | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Taiwan | 0.0031 | | 0.0000 | 0.0009 | 0.0000 | 0.0000 | 0.0345 | 0.0000 | 0.0000 |
| Germany | 0.0092 | 0.0062 | | 0.4381 | 0.7628 | 0.5719 | 0.1808 | 0.0000 | 0.0000 |
| Italy | 0.0101 | 0.0079 | -0.0001 | | 0.7143 | 0.2554 | 0.3292 | 0.0000 | 0.0000 |
| Sweden | 0.0102 | 0.0065 | -0.0005 | -0.0013 | | 0.5249 | 0.2231 | 0.0000 | 0.0000 |
| Denmark | 0.0154 | 0.0109 | -0.0005 | 0.0013 | -0.0004 | | 0.0657 | 0.0000 | 0.0000 |
| North Portugal | 0.0077 | 0.0025 | 0.0009 | 0.0007 | 0.0008 | 0.0034 | | 0.0000 | 0.0000 |
| Somalia | 0.0234 | 0.0257 | 0.0324 | 0.0336 | 0.0344 | 0.0387 | 0.0304 | | 0.0000 |
| Ivory Coast | 0.0305 | 0.0380 | 0.0425 | 0.0428 | 0.0464 | 0.0477 | 0.0384 | 0.0205 | |

Below diagonal: Pairwise Fst values; Above diagonal: P-values with shaded cells indicating P<0.0003 (after correction: 0.05/153)

## Supplementary Table S14. Pairwise Fst values calculated for DXS10135

| DXS10135 | Sinhala | SLTamil | INDTamil | Moors | BhilIndia | Bangladesh | Malaysia | Thailand | China |
|---|---|---|---|---|---|---|---|---|---|
| Sinhala | | 0.5615 | 0.2306 | 0.3172 | 0.0062 | 0.3489 | 0.0000 | 0.0000 | 0.0000 |
| SLTamil | -0.0003 | | 0.2021 | 0.2893 | 0.0112 | 0.1040 | 0.0015 | 0.0018 | 0.0000 |
| INDTamil | 0.0009 | 0.0013 | | 0.0271 | 0.0013 | 0.0439 | 0.0000 | 0.0000 | 0.0000 |
| Moors | 0.0005 | 0.0008 | 0.0045 | | 0.0829 | 0.0724 | 0.0000 | 0.0000 | 0.0000 |
| BhilIndia | 0.0033 | 0.0040 | 0.0071 | 0.0025 | | 0.0448 | 0.0000 | 0.0020 | 0.0000 |
| Bangladesh | 0.0003 | 0.0018 | 0.0030 | 0.0025 | 0.0024 | | 0.0000 | 0.0000 | 0.0000 |
| Malaysia | 0.0059 | 0.0055 | 0.0119 | 0.0119 | 0.0074 | 0.0081 | | 0.7831 | 0.0066 |
| Thailand | 0.0056 | 0.0046 | 0.0106 | 0.0093 | 0.0044 | 0.0071 | -0.0007 | | 0.0022 |
| China | 0.0083 | 0.0095 | 0.0169 | 0.0126 | 0.0086 | 0.0071 | 0.0026 | 0.0027 | |
| Japan | 0.0080 | 0.0080 | 0.0155 | 0.0120 | 0.0082 | 0.0088 | 0.0011 | 0.0015 | 0.0008 |
| Taiwan | 0.0082 | 0.0079 | 0.0161 | 0.0106 | 0.0089 | 0.0088 | 0.0025 | 0.0017 | 0.0007 |
| Germany | 0.0024 | 0.0014 | 0.0057 | 0.0052 | 0.0053 | 0.0044 | 0.0029 | 0.0042 | 0.0068 |
| Italy | 0.0038 | 0.0033 | 0.0100 | 0.0047 | 0.0084 | 0.0052 | 0.0057 | 0.0076 | 0.0069 |
| Sweden | 0.0026 | 0.0014 | 0.0062 | 0.0059 | 0.0054 | 0.0050 | 0.0023 | 0.0036 | 0.0075 |
| Denmark | 0.0014 | 0.0007 | 0.0064 | 0.0068 | 0.0056 | 0.0034 | 0.0005 | 0.0021 | 0.0030 |
| NorthPortugal | 0.0019 | 0.0024 | 0.0059 | 0.0042 | 0.0039 | 0.0033 | 0.0028 | 0.0037 | 0.0067 |
| Somalia | 0.0060 | 0.0057 | 0.0113 | 0.0069 | 0.0076 | 0.0064 | 0.0110 | 0.0113 | 0.0129 |
| IvoryCoast | 0.0232 | 0.0181 | 0.0275 | 0.0265 | 0.0209 | 0.0218 | 0.0143 | 0.0148 | 0.0159 |

| DXS10135 | Japan | Taiwan | Germany | Italy | Sweden | Denmark | North Portugal | Somalia | Ivory Coast |
|---|---|---|---|---|---|---|---|---|---|
| Sinhala | 0.0000 | 0.0000 | 0.0002 | 0.0159 | 0.0012 | 0.1268 | 0.0382 | 0.0000 | 0.0000 |
| SLTamil | 0.0000 | 0.0000 | 0.0847 | 0.0567 | 0.0988 | 0.2890 | 0.0592 | 0.0006 | 0.0000 |
| INDTamil | 0.0000 | 0.0000 | 0.0006 | 0.0004 | 0.0004 | 0.0030 | 0.0011 | 0.0000 | 0.0000 |
| Moors | 0.0000 | 0.0000 | 0.0004 | 0.0300 | 0.0005 | 0.0022 | 0.0127 | 0.0006 | 0.0000 |
| BhilIndia | 0.0000 | 0.0000 | 0.0000 | 0.0007 | 0.0001 | 0.0036 | 0.0069 | 0.0000 | 0.0000 |
| Bangladesh | 0.0000 | 0.0000 | 0.0000 | 0.0096 | 0.0002 | 0.0227 | 0.0139 | 0.0002 | 0.0000 |
| Malaysia | 0.0762 | 0.0068 | 0.0003 | 0.0037 | 0.0088 | 0.3052 | 0.0172 | 0.0000 | 0.0000 |
| Thailand | 0.0199 | 0.0221 | 0.0000 | 0.0004 | 0.0000 | 0.0694 | 0.0023 | 0.0000 | 0.0000 |
| China | 0.0794 | 0.1099 | 0.0000 | 0.0014 | 0.0000 | 0.0211 | 0.0000 | 0.0000 | 0.0000 |
| Japan | | 0.2134 | 0.0000 | 0.0001 | 0.0000 | 0.0298 | 0.0000 | 0.0000 | 0.0000 |
| Taiwan | 0.0003 | | 0.0000 | 0.0005 | 0.0000 | 0.0022 | 0.0000 | 0.0000 | 0.0000 |
| Germany | 0.0062 | 0.0078 | | 0.5007 | 0.8109 | 0.6346 | 0.7637 | 0.0000 | 0.0000 |
| Italy | 0.0075 | 0.0081 | -0.0002 | | 0.5114 | 0.4344 | 0.3608 | 0.0078 | 0.0000 |
| Sweden | 0.0065 | 0.0077 | -0.0004 | -0.0002 | | 0.8600 | 0.6709 | 0.0000 | 0.0000 |
| Denmark | 0.0026 | 0.0048 | -0.0005 | 0.0000 | -0.0012 | | 0.4763 | 0.0055 | 0.0000 |
| NorthPortugal | 0.0071 | 0.0091 | -0.0006 | 0.0003 | -0.0005 | -0.0002 | | 0.0003 | 0.0000 |
| Somalia | 0.0128 | 0.0135 | 0.0053 | 0.0050 | 0.0054 | 0.0044 | 0.0061 | | 0.0000 |
| IvoryCoast | 0.0136 | 0.0171 | 0.0125 | 0.0145 | 0.0144 | 0.0121 | 0.0141 | 0.0113 | |

Below diagonal: Pairwise Fst values; Above diagonal: P-values with shaded cells indicating P<0.0003 (after correction: 0.05/153)

## Supplementary Table S14. Pairwise Fst values calculated for DXS8378

| DXS8378 | Sinhala | SL Tamil | IND Tamil | Moors | Bhil India | Bangladesh | Malaysia | Thailand | China | Japan | Taiwan |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sinhala | | 0.6545 | 0.0384 | 0.4109 | 0.0963 | 0.0668 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| SL Tamil | -0.0015 | | 0.0920 | 0.5010 | 0.2241 | 0.2950 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| IND Tamil | 0.0063 | 0.0056 | | 0.0371 | 0.0012 | 0.5947 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Moors | -0.0003 | -0.0013 | 0.0105 | | 0.6393 | 0.0801 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Bhil India | 0.0031 | 0.0018 | 0.0213 | -0.0021 | | 0.0048 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Bangladesh | 0.0036 | 0.0007 | -0.0017 | 0.0058 | 0.0142 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Malaysia | 0.0625 | 0.0657 | 0.0987 | 0.0412 | 0.0369 | 0.0875 | | 0.8915 | 0.0252 | 0.0110 | 0.2741 |
| Thailand | 0.0604 | 0.0629 | 0.0977 | 0.0395 | 0.0346 | 0.0854 | -0.0018 | | 0.0066 | 0.0025 | 0.2764 |
| China | 0.1081 | 0.1143 | 0.1528 | 0.0831 | 0.0763 | 0.1389 | 0.0049 | 0.0069 | | 0.8011 | 0.0282 |
| Japan | 0.1146 | 0.1207 | 0.1607 | 0.0889 | 0.0821 | 0.1456 | 0.0065 | 0.0081 | -0.0009 | | 0.0117 |
| Taiwan | 0.0787 | 0.0816 | 0.1215 | 0.0563 | 0.0479 | 0.1076 | 0.0005 | 0.0004 | 0.0035 | 0.0046 | |
| Germany | 0.0194 | 0.0175 | 0.0507 | 0.0119 | 0.0040 | 0.0384 | 0.0311 | 0.0272 | 0.0621 | 0.0659 | 0.0347 |
| Italy | 0.0014 | -0.0018 | 0.0181 | -0.0032 | -0.0034 | 0.0092 | 0.0440 | 0.0406 | 0.0869 | 0.0920 | 0.0558 |
| Sweden | 0.0120 | 0.0102 | 0.0385 | 0.0049 | -0.0001 | 0.0279 | 0.0304 | 0.0271 | 0.0641 | 0.0684 | 0.0370 |
| Denmark | 0.0094 | 0.0060 | 0.0356 | 0.0069 | 0.0011 | 0.0237 | 0.0515 | 0.0467 | 0.0943 | 0.0994 | 0.0589 |
| North Portugal | 0.0050 | 0.0021 | 0.0255 | 0.0001 | -0.0024 | 0.0157 | 0.0411 | 0.0376 | 0.0813 | 0.0862 | 0.0509 |
| Somalia | 0.0291 | 0.0268 | 0.0659 | 0.0183 | 0.0084 | 0.0516 | 0.0238 | 0.0198 | 0.0520 | 0.0555 | 0.0248 |
| Ivory Coast | 0.0180 | 0.0139 | 0.0382 | 0.0262 | 0.0191 | 0.0287 | 0.1064 | 0.1010 | 0.1611 | 0.1687 | 0.1162 |
| Pakistan | -0.0002 | -0.0026 | 0.0091 | -0.0013 | 0.0006 | 0.0039 | 0.0583 | 0.0558 | 0.1026 | 0.1086 | 0.0728 |
| Brazil | 0.0263 | 0.0251 | 0.0593 | 0.0136 | 0.0066 | 0.0470 | 0.0143 | 0.0115 | 0.0398 | 0.0431 | 0.0174 |
| Brah. India | -0.0059 | -0.0045 | 0.0046 | -0.0070 | -0.0039 | 0.0026 | 0.0469 | 0.0456 | 0.0932 | 0.1003 | 0.0635 |

| DXS8378 | Germany | Italy | Sweden | Denmark | North Portugal | Somalia | Ivory Coast | Pakistan | Brazil | Brah. India |
|---|---|---|---|---|---|---|---|---|---|---|
| Sinhala | 0.0000 | 0.2460 | 0.0002 | 0.0129 | 0.0345 | 0.0000 | 0.0008 | 0.4438 | 0.0000 | 0.9220 |
| SL Tamil | 0.0000 | 0.5341 | 0.0072 | 0.0838 | 0.2023 | 0.0000 | 0.0124 | 0.9591 | 0.0001 | 0.6802 |
| IND Tamil | 0.0000 | 0.0113 | 0.0000 | 0.0000 | 0.0002 | 0.0000 | 0.0000 | 0.0175 | 0.0000 | 0.1973 |
| Moors | 0.0036 | 0.6921 | 0.0767 | 0.0734 | 0.3604 | 0.0030 | 0.0012 | 0.5705 | 0.0078 | 0.8866 |
| BhilIndia | 0.0601 | 0.7886 | 0.3853 | 0.2736 | 0.7791 | 0.0283 | 0.0017 | 0.2855 | 0.0347 | 0.6483 |
| Bangladesh | 0.0000 | 0.0434 | 0.0000 | 0.0001 | 0.0021 | 0.0000 | 0.0000 | 0.0561 | 0.0000 | 0.2534 |
| Malaysia | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0000 | 0.0000 | 0.0015 | 0.0004 |
| Thailand | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0000 | 0.0000 | 0.0016 | 0.0005 |
| China | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Japan | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Taiwan | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Germany | | 0.0828 | 0.4309 | 0.2601 | 0.0908 | 0.5392 | 0.0000 | 0.0000 | 0.1563 | 0.0513 |
| Italy | 0.0048 | | 0.3674 | 0.4840 | 0.9489 | 0.0392 | 0.0157 | 0.6013 | 0.0402 | 0.5555 |
| Sweden | -0.0002 | 0.0000 | | 0.3746 | 0.5164 | 0.1965 | 0.0001 | 0.0013 | 0.1540 | 0.1729 |
| Denmark | 0.0010 | -0.0014 | -0.0001 | | 0.6019 | 0.0985 | 0.0643 | 0.0549 | 0.0270 | 0.1758 |
| North Portugal | 0.0026 | -0.0043 | -0.0007 | -0.0018 | | 0.0445 | 0.0057 | 0.1921 | 0.0290 | 0.3795 |
| Somalia | -0.0008 | 0.0100 | 0.0014 | 0.0052 | 0.0067 | | 0.0000 | 0.0001 | 0.6091 | 0.0221 |
| Ivory Coast | 0.0234 | 0.0156 | 0.0222 | 0.0076 | 0.0157 | 0.0340 | | 0.0016 | 0.0000 | 0.0253 |
| Pakistan | 0.0148 | -0.0017 | 0.0082 | 0.0054 | 0.0014 | 0.0229 | 0.0153 | | 0.0000 | 0.7297 |
| Brazil | 0.0014 | 0.0090 | 0.0017 | 0.0088 | 0.0067 | -0.0014 | 0.0422 | 0.0211 | | 0.0338 |
| Brah. India | 0.0119 | -0.0034 | 0.0046 | 0.0056 | -0.0003 | 0.0204 | 0.0197 | -0.0043 | 0.0159 | |

Below diagonal: Pairwise Fst values; Above diagonal: P-values with shaded cells indicating P<0.0002 (after correction: 0.05/210)

## Supplementary Table S14. Pairwise Fst values calculated for DXS7132

| DXS7132 | Sinhala | SL Tamil | IND Tamil | Moors | Bhil India | Bangladesh | Malaysia | Thailand | China | Japan |
|---|---|---|---|---|---|---|---|---|---|---|
| Sinhala | | 0.6205 | 0.1206 | 0.7337 | 0.2425 | 0.2279 | 0.0000 | 0.0000 | 0.0001 | 0.0000 |
| SL Tamil | -0.0012 | | 0.6256 | 0.4806 | 0.4174 | 0.8849 | 0.0002 | 0.0748 | 0.1585 | 0.0001 |
| IND Tamil | 0.0030 | -0.0020 | | 0.2233 | 0.4629 | 0.4402 | 0.0240 | 0.0888 | 0.1248 | 0.0138 |
| Moors | -0.0019 | -0.0009 | 0.0023 | | 0.2206 | 0.4258 | 0.0000 | 0.0013 | 0.0026 | 0.0000 |
| BhilIndia | 0.0009 | -0.0003 | -0.0006 | 0.0018 | | 0.0818 | 0.0004 | 0.0013 | 0.0028 | 0.0000 |
| Bangladesh | 0.0010 | -0.0028 | -0.0005 | -0.0004 | 0.0040 | | 0.0000 | 0.0453 | 0.0795 | 0.0000 |
| Malaysia | 0.0306 | 0.0205 | 0.0083 | 0.0305 | 0.0174 | 0.0235 | | 0.0000 | 0.0000 | 0.0407 |
| Thailand | 0.0141 | 0.0041 | 0.0040 | 0.0157 | 0.0123 | 0.0044 | 0.0170 | | 0.9033 | 0.0008 |
| China | 0.0106 | 0.0019 | 0.0029 | 0.0127 | 0.0096 | 0.0027 | 0.0184 | -0.0013 | | 0.0000 |
| Japan | 0.0281 | 0.0161 | 0.0080 | 0.0278 | 0.0190 | 0.0170 | 0.0030 | 0.0073 | 0.0097 | |
| Taiwan | 0.0114 | 0.0036 | -0.0008 | 0.0103 | 0.0066 | 0.0042 | 0.0062 | 0.0034 | 0.0039 | 0.0025 |
| Germany | 0.0011 | -0.0023 | -0.0010 | 0.0020 | 0.0000 | 0.0003 | 0.0182 | 0.0058 | 0.0037 | 0.0157 |
| Italy | 0.0052 | 0.0009 | -0.0007 | 0.0005 | 0.0076 | -0.0015 | 0.0189 | 0.0082 | 0.0075 | 0.0135 |
| Sweden | 0.0026 | 0.0004 | -0.0012 | 0.0020 | -0.0016 | 0.0037 | 0.0133 | 0.0114 | 0.0094 | 0.0150 |
| Denmark | -0.0025 | -0.0020 | 0.0011 | -0.0019 | -0.0021 | 0.0016 | 0.0250 | 0.0138 | 0.0102 | 0.0249 |
| North Portugal | 0.0017 | -0.0015 | 0.0048 | 0.0026 | 0.0063 | -0.0011 | 0.0349 | 0.0059 | 0.0036 | 0.0252 |
| Somalia | 0.0607 | 0.0739 | 0.0801 | 0.0465 | 0.0779 | 0.0675 | 0.1267 | 0.1110 | 0.1056 | 0.1220 |
| Ivory Coast | 0.0025 | -0.0029 | -0.0040 | 0.0037 | -0.0005 | -0.0005 | 0.0109 | 0.0017 | 0.0003 | 0.0094 |
| Pakistan | -0.0016 | -0.0012 | 0.0022 | -0.0023 | 0.0001 | 0.0012 | 0.0282 | 0.0142 | 0.0109 | 0.0265 |
| Brah. India | 0.0057 | 0.0012 | -0.0044 | -0.0001 | 0.0046 | -0.0006 | 0.0090 | 0.0091 | 0.0087 | 0.0087 |

| DXS7132 | Taiwan | Germany | Italy | Sweden | Denmark | North Portugal | Somalia | Ivory Coast | Pakistan | Brah. India |
|---|---|---|---|---|---|---|---|---|---|---|
| Sinhala | 0.0000 | 0.1336 | 0.0656 | 0.0450 | 0.9120 | 0.1591 | 0.0000 | 0.1417 | 0.9848 | 0.1378 |
| SL Tamil | 0.0671 | 0.9584 | 0.3036 | 0.3201 | 0.6512 | 0.6184 | 0.0000 | 0.7747 | 0.6123 | 0.3280 |
| IND Tamil | 0.5290 | 0.5620 | 0.4501 | 0.6117 | 0.2891 | 0.0897 | 0.0000 | 0.9198 | 0.1710 | 0.6950 |
| Moors | 0.0061 | 0.1653 | 0.3461 | 0.1739 | 0.5987 | 0.1708 | 0.0000 | 0.1520 | 0.8203 | 0.3995 |
| BhilIndia | 0.0098 | 0.3788 | 0.0469 | 0.8025 | 0.7089 | 0.0360 | 0.0000 | 0.4460 | 0.3674 | 0.1846 |
| Bangladesh | 0.0301 | 0.3309 | 0.5732 | 0.0515 | 0.2268 | 0.5804 | 0.0000 | 0.4390 | 0.2089 | 0.4139 |
| Malaysia | 0.0044 | 0.0000 | 0.0012 | 0.0000 | 0.0001 | 0.0000 | 0.0000 | 0.0090 | 0.0000 | 0.0816 |
| Thailand | 0.0267 | 0.0035 | 0.0265 | 0.0000 | 0.0032 | 0.0270 | 0.0000 | 0.2017 | 0.0000 | 0.0791 |
| China | 0.0087 | 0.0079 | 0.0285 | 0.0001 | 0.0052 | 0.0583 | 0.0000 | 0.3311 | 0.0000 | 0.0784 |
| Japan | 0.0265 | 0.0000 | 0.0023 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0065 | 0.0000 | 0.0694 |
| Taiwan | | 0.0032 | 0.1854 | 0.0085 | 0.0052 | 0.0014 | 0.0000 | 0.2735 | 0.0001 | 0.4770 |
| Germany | 0.0044 | | 0.0836 | 0.1706 | 0.5009 | 0.1144 | 0.0000 | 0.8312 | 0.1587 | 0.2083 |
| Italy | 0.0020 | 0.0041 | | 0.0748 | 0.1018 | 0.0907 | 0.0000 | 0.2035 | 0.0874 | 0.9130 |
| Sweden | 0.0042 | 0.0008 | 0.0047 | | 0.4733 | 0.0047 | 0.0000 | 0.4187 | 0.1138 | 0.3345 |
| Denmark | 0.0094 | -0.0006 | 0.0060 | -0.0005 | | 0.1448 | 0.0000 | 0.3412 | 0.9503 | 0.1929 |
| North Portugal | 0.0105 | 0.0021 | 0.0052 | 0.0083 | 0.0031 | | 0.0000 | 0.1715 | 0.0959 | 0.0765 |
| Somalia | 0.0903 | 0.0795 | 0.0563 | 0.0739 | 0.0667 | 0.0754 | | 0.0000 | 0.0000 | 0.0000 |
| Ivory Coast | 0.0008 | -0.0020 | 0.0028 | -0.0003 | 0.0005 | 0.0026 | 0.0903 | | 0.1676 | 0.3626 |
| Pakistan | 0.0103 | 0.0009 | 0.0046 | 0.0014 | -0.0027 | 0.0026 | 0.0598 | 0.0022 | | 0.1754 |
| Brah. India | -0.0011 | 0.0033 | -0.0075 | 0.0007 | 0.0051 | 0.0095 | 0.0588 | 0.0003 | 0.0042 | |

Below diagonal: Pairwise Fst values; Above diagonal: P-values with shaded cells indicating P<0.0003 (after correction: 0.05/190)

## Supplementary Table S14. Pairwise Fst values calculated for DXS10079

| DXS10079 | Sinhala | SL Tamil | IND Tamil | Moors | Bhil India | Bangladesh | Malaysia | Thailand | China |
|---|---|---|---|---|---|---|---|---|---|
| Sinhala | | 0.2523 | 0.7297 | 0.4054 | 0.5135 | 0.5676 | 0.0000 | 0.0270 | 0.0000 |
| SL Tamil | 0.0008 | | 0.4054 | 0.0901 | 0.0991 | 0.2162 | 0.1171 | 0.1171 | 0.1261 |
| IND Tamil | -0.0014 | 0.0008 | | 0.1622 | 0.4775 | 0.7387 | 0.0451 | 0.0451 | 0.0000 |
| Moors | 0.0001 | 0.0039 | 0.0022 | | 0.4324 | 0.4324 | 0.0451 | 0.1441 | 0.0000 |
| Bhil India | -0.0004 | 0.0030 | -0.0006 | -0.0003 | | 0.6667 | 0.0000 | 0.0360 | 0.0000 |
| Bangladesh | -0.0004 | 0.0013 | -0.0019 | -0.0003 | -0.0010 | | 0.0270 | 0.2072 | 0.0000 |
| Malaysia | 0.0056 | 0.0022 | 0.0061 | 0.0029 | 0.0074 | 0.0047 | | 0.8288 | 0.0000 |
| Thailand | 0.0039 | 0.0019 | 0.0038 | 0.0019 | 0.0051 | 0.0016 | -0.0012 | | 0.0000 |
| China | 0.0068 | 0.0012 | 0.0080 | 0.0109 | 0.0058 | 0.0082 | 0.0060 | 0.0066 | |
| Japan | 0.0060 | 0.0026 | 0.0072 | 0.0113 | 0.0073 | 0.0112 | 0.0088 | 0.0106 | 0.0017 |
| Taiwan | 0.0014 | 0.0005 | -0.0018 | 0.0061 | 0.0030 | 0.0026 | 0.0077 | 0.0072 | 0.0071 |
| Germany | -0.0004 | 0.0022 | -0.0026 | 0.0016 | 0.0009 | -0.0004 | 0.0060 | 0.0039 | 0.0094 |
| Italy | 0.0051 | 0.0018 | 0.0048 | 0.0073 | 0.0030 | 0.0005 | 0.0116 | 0.0072 | 0.0079 |
| Sweden | -0.0011 | 0.0004 | -0.0017 | 0.0013 | -0.0001 | -0.0008 | 0.0060 | 0.0036 | 0.0065 |
| Denmark | 0.0001 | -0.0010 | 0.0032 | -0.0005 | 0.0005 | 0.0021 | 0.0047 | 0.0042 | 0.0037 |
| North Portugal | -0.0011 | 0.0005 | -0.0032 | 0.0029 | -0.0009 | -0.0011 | 0.0087 | 0.0060 | 0.0071 |
| Somalia | 0.0000 | 0.0029 | 0.0007 | -0.0018 | -0.0025 | -0.0019 | 0.0052 | 0.0024 | 0.0071 |
| Ivory Coast | -0.0004 | 0.0017 | 0.0015 | 0.0027 | -0.0010 | 0.0038 | 0.0084 | 0.0083 | 0.0030 |

| DXS10079 | Japan | Taiwan | Germany | Italy | Sweden | Denmark | North Portugal | Somalia | Ivory Coast |
|---|---|---|---|---|---|---|---|---|---|
| Sinhala | 0.0000 | 0.0991 | 0.6126 | 0.0901 | 0.9369 | 0.4324 | 0.7478 | 0.4144 | 0.4234 |
| SL Tamil | 0.0901 | 0.2793 | 0.0811 | 0.2523 | 0.3604 | 0.5405 | 0.2793 | 0.1351 | 0.2613 |
| IND Tamil | 0.0090 | 0.8198 | 0.9910 | 0.1171 | 0.7838 | 0.0991 | 0.9189 | 0.3153 | 0.2883 |
| Moors | 0.0090 | 0.0180 | 0.1532 | 0.0541 | 0.2072 | 0.4775 | 0.1171 | 0.7117 | 0.1441 |
| Bhil India | 0.0000 | 0.0270 | 0.2162 | 0.1441 | 0.4685 | 0.2973 | 0.4414 | 0.9009 | 0.4685 |
| Bangladesh | 0.0000 | 0.0631 | 0.6216 | 0.3063 | 0.7207 | 0.1351 | 0.7387 | 0.8198 | 0.0631 |
| Malaysia | 0.0000 | 0.0000 | 0.0000 | 0.0090 | 0.0000 | 0.0541 | 0.0000 | 0.0090 | 0.0000 |
| Thailand | 0.0000 | 0.0000 | 0.0090 | 0.0180 | 0.0180 | 0.0541 | 0.0090 | 0.1261 | 0.0000 |
| China | 0.0270 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0180 | 0.0000 | 0.0000 | 0.1081 |
| Japan | | 0.0000 | 0.0000 | 0.0000 | 0.0090 | 0.0541 | 0.0000 | 0.0000 | 0.2973 |
| Taiwan | 0.0052 | | 0.1081 | 0.0270 | 0.0901 | 0.0541 | 0.4955 | 0.0000 | 0.1351 |
| Germany | 0.0085 | 0.0011 | | 0.0000 | 0.6487 | 0.0360 | 0.7117 | 0.1802 | 0.0631 |
| Italy | 0.0150 | 0.0079 | 0.0066 | | 0.1622 | 0.2072 | 0.2162 | 0.1802 | 0.0180 |
| Sweden | 0.0065 | 0.0017 | -0.0005 | 0.0033 | | 0.2883 | 0.9099 | 0.3784 | 0.3153 |
| Denmark | 0.0032 | 0.0039 | 0.0031 | 0.0038 | 0.0004 | | 0.2252 | 0.3964 | 0.5045 |
| North Portugal | 0.0068 | -0.0003 | -0.0009 | 0.0022 | -0.0016 | 0.0016 | | 0.2342 | 0.3333 |
| Somalia | 0.0103 | 0.0051 | 0.0014 | 0.0016 | 0.0002 | 0.0001 | 0.0008 | | 0.2703 |
| Ivory Coast | 0.0006 | 0.0020 | 0.0026 | 0.0085 | 0.0008 | -0.0010 | 0.0002 | 0.0020 | |

Below diagonal: Pairwise Fst values; Above diagonal: P-values with shaded cells indicating P<0.0003 (after correction: 0.05/153)

## Supplementary Table S14. Pairwise Fst values calculated for DXS10074

| DXS10074 | Sinhala | SL Tamil | IND Tamil | Moors | Bhil India | Bangladesh | Malaysia | Thailand | China |
|---|---|---|---|---|---|---|---|---|---|
| Sinhala | | 0.6937 | 0.3964 | 0.4865 | 0.1712 | 0.4054 | 0.0000 | 0.0000 | 0.0000 |
| SL Tamil | -0.0013 | | 0.6667 | 0.5135 | 0.1802 | 0.4775 | 0.0000 | 0.0000 | 0.0270 |
| IND Tamil | -0.0005 | -0.0016 | | 0.6216 | 0.1892 | 0.9550 | 0.0090 | 0.1081 | 0.1712 |
| Moors | -0.0005 | -0.0009 | -0.0019 | | 0.9730 | 0.2883 | 0.0000 | 0.0631 | 0.1171 |
| Bhil India | 0.0018 | 0.0016 | 0.0018 | -0.0035 | | 0.0360 | 0.0000 | 0.0090 | 0.0180 |
| Bangladesh | -0.0002 | -0.0004 | -0.0033 | 0.0008 | 0.0052 | | 0.0000 | 0.0090 | 0.0180 |
| Malaysia | 0.0214 | 0.0170 | 0.0092 | 0.0159 | 0.0205 | 0.0142 | | 0.1351 | 0.0000 |
| Thailand | 0.0102 | 0.0066 | 0.0031 | 0.0068 | 0.0096 | 0.0071 | 0.0014 | | 0.0360 |
| China | 0.0055 | 0.0062 | 0.0021 | 0.0038 | 0.0053 | 0.0052 | 0.0090 | 0.0024 | |
| Japan | 0.0085 | 0.0075 | 0.0044 | 0.0048 | 0.0064 | 0.0081 | 0.0062 | 0.0009 | 0.0003 |
| Taiwan | 0.0072 | 0.0077 | 0.0018 | 0.0053 | 0.0077 | 0.0050 | 0.0065 | 0.0013 | -0.0007 |
| Germany | 0.0099 | 0.0089 | 0.0079 | 0.0042 | 0.0069 | 0.0091 | 0.0320 | 0.0248 | 0.0232 |
| Italy | 0.0227 | 0.0197 | 0.0192 | 0.0110 | 0.0118 | 0.0233 | 0.0388 | 0.0327 | 0.0341 |
| Sweden | 0.0089 | 0.0094 | 0.0085 | 0.0030 | 0.0048 | 0.0100 | 0.0321 | 0.0241 | 0.0206 |
| Denmark | 0.0053 | 0.0070 | 0.0046 | 0.0037 | 0.0075 | 0.0040 | 0.0341 | 0.0248 | 0.0205 |
| North Portugal | 0.0145 | 0.0119 | 0.0110 | 0.0061 | 0.0084 | 0.0142 | 0.0256 | 0.0210 | 0.0232 |
| Somalia | 0.0617 | 0.0576 | 0.0560 | 0.0477 | 0.0520 | 0.0590 | 0.0803 | 0.0768 | 0.0832 |
| Ivory Coast | 0.0649 | 0.0574 | 0.0650 | 0.0605 | 0.0638 | 0.0678 | 0.1020 | 0.0888 | 0.0960 |

| DXS10074 | Japan | Taiwan | Germany | Italy | Sweden | Denmark | North Portugal | Somalia | Ivory Coast |
|---|---|---|---|---|---|---|---|---|---|
| Sinhala | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0360 | 0.0000 | 0.0000 | 0.0000 |
| SL Tamil | 0.0000 | 0.0180 | 0.0000 | 0.0000 | 0.0000 | 0.0541 | 0.0000 | 0.0000 | 0.0000 |
| IND Tamil | 0.0541 | 0.1712 | 0.0000 | 0.0000 | 0.0000 | 0.0721 | 0.0090 | 0.0000 | 0.0000 |
| Moors | 0.0451 | 0.0360 | 0.0360 | 0.0180 | 0.1171 | 0.0811 | 0.0360 | 0.0000 | 0.0000 |
| Bhil India | 0.0000 | 0.0090 | 0.0000 | 0.0000 | 0.0180 | 0.0090 | 0.0090 | 0.0000 | 0.0000 |
| Bangladesh | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0631 | 0.0000 | 0.0000 | 0.0000 |
| Malaysia | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Thailand | 0.1892 | 0.0721 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| China | 0.2703 | 0.7387 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Japan | | 0.1081 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Taiwan | 0.0010 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Germany | 0.0249 | 0.0241 | | 0.0991 | 0.3514 | 0.4054 | 0.0721 | 0.0000 | 0.0000 |
| Italy | 0.0341 | 0.0355 | 0.0026 | | 0.1982 | 0.0090 | 0.7027 | 0.0000 | 0.0000 |
| Sweden | 0.0226 | 0.0222 | 0.0000 | 0.0017 | | 0.3333 | 0.1802 | 0.0000 | 0.0000 |
| Denmark | 0.0249 | 0.0209 | -0.0001 | 0.0090 | 0.0003 | | 0.0451 | 0.0000 | 0.0000 |
| North Portugal | 0.0229 | 0.0239 | 0.0028 | -0.0017 | 0.0011 | 0.0063 | | 0.0000 | 0.0000 |
| Somalia | 0.0814 | 0.0837 | 0.0264 | 0.0172 | 0.0268 | 0.0321 | 0.0234 | | 0.0000 |
| Ivory Coast | 0.0947 | 0.0981 | 0.0497 | 0.0555 | 0.0526 | 0.0507 | 0.0547 | 0.0376 | |

Below diagonal: Pairwise Fst values; Above diagonal: P-values with shaded cells indicating P<0.0003 (after correction: 0.05/153)

## Supplementary Table S14. Pairwise Fst values calculated for HPRTB

| HPRTB | Sinhala | SL Tamil | IND Tamil | Moors | Bhil India | Bangladesh | Malaysia | Thailand | China | Japan | Taiwan |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Sinhala | | 0.4768 | 0.1409 | 0.1498 | 0.0147 | 0.4415 | 0.0065 | 0.1059 | 0.1178 | 0.0000 | 0.0255 |
| SL Tamil | -0.0006 | | 0.3823 | 0.3759 | 0.0527 | 0.7840 | 0.0266 | 0.4003 | 0.7144 | 0.0096 | 0.6726 |
| IND Tamil | 0.0026 | -0.0001 | | 0.0149 | 0.1134 | 0.0832 | 0.0045 | 0.0157 | 0.3272 | 0.0034 | 0.0286 |
| Moors | 0.0024 | 0.0000 | 0.0126 | | 0.0027 | 0.6388 | 0.0124 | 0.4838 | 0.0424 | 0.0029 | 0.3671 |
| Bhil India | 0.0064 | 0.0062 | 0.0042 | 0.0168 | | 0.0316 | 0.0994 | 0.0034 | 0.0922 | 0.0967 | 0.0081 |
| Bangladesh | -0.0003 | -0.0023 | 0.0050 | -0.0017 | 0.0064 | | 0.0729 | 0.7280 | 0.3137 | 0.0048 | 0.7606 |
| Malaysia | 0.0061 | 0.0069 | 0.0124 | 0.0099 | 0.0031 | 0.0035 | | 0.0571 | 0.0248 | 0.0017 | 0.0084 |
| Thailand | 0.0018 | -0.0001 | 0.0086 | -0.0006 | 0.0105 | -0.0014 | 0.0033 | | 0.0908 | 0.0000 | 0.2473 |
| China | 0.0014 | -0.0015 | 0.0005 | 0.0056 | 0.0029 | 0.0003 | 0.0040 | 0.0019 | | 0.0004 | 0.1231 |
| Japan | 0.0122 | 0.0086 | 0.0137 | 0.0143 | 0.0027 | 0.0078 | 0.0089 | 0.0134 | 0.0079 | | 0.0014 |
| Taiwan | 0.0032 | -0.0014 | 0.0068 | 0.0000 | 0.0077 | -0.0014 | 0.0058 | 0.0006 | 0.0013 | 0.0063 | |
| Germany | 0.0124 | 0.0116 | 0.0290 | 0.0016 | 0.0249 | 0.0057 | 0.0104 | 0.0042 | 0.0155 | 0.0217 | 0.0080 |
| Italy | 0.0095 | 0.0084 | 0.0264 | -0.0015 | 0.0205 | 0.0027 | 0.0083 | 0.0026 | 0.0126 | 0.0148 | 0.0041 |
| Sweden | 0.0095 | 0.0075 | 0.0234 | -0.0003 | 0.0202 | 0.0028 | 0.0081 | 0.0019 | 0.0112 | 0.0173 | 0.0044 |
| Denmark | 0.0243 | 0.0231 | 0.0474 | 0.0063 | 0.0401 | 0.0152 | 0.0251 | 0.0157 | 0.0300 | 0.0280 | 0.0162 |
| North Portugal | 0.0214 | 0.0202 | 0.0404 | 0.0079 | 0.0382 | 0.0134 | 0.0163 | 0.0082 | 0.0239 | 0.0377 | 0.0162 |
| Somalia | 0.0111 | 0.0169 | 0.0215 | 0.0154 | 0.0208 | 0.0129 | 0.0142 | 0.0131 | 0.0184 | 0.0332 | 0.0206 |
| Ivory Coast | 0.0059 | 0.0076 | 0.0187 | 0.0014 | 0.0234 | 0.0046 | 0.0146 | 0.0046 | 0.0130 | 0.0276 | 0.0096 |
| Pakistan | 0.0020 | -0.0007 | 0.0071 | 0.0004 | 0.0060 | -0.0018 | 0.0021 | -0.0009 | 0.0006 | 0.0070 | -0.0009 |
| Brazil | 0.0046 | 0.0035 | 0.0169 | -0.0026 | 0.0192 | 0.0007 | 0.0085 | -0.0004 | 0.0078 | 0.0193 | 0.0031 |
| Brah. India | 0.0096 | 0.0032 | 0.0052 | 0.0134 | -0.0030 | 0.0048 | 0.0046 | 0.0092 | 0.0011 | -0.0043 | 0.0020 |

| HPRTB | Germany | Italy | Sweden | Denmark | North Portugal | Somalia | Ivory Coast | Pakistan | Brazil | Brah. India |
|---|---|---|---|---|---|---|---|---|---|---|
| Sinhala | 0.0000 | 0.0167 | 0.0000 | 0.0000 | 0.0000 | 0.0009 | 0.0324 | 0.0802 | 0.0199 | 0.0649 |
| SL Tamil | 0.0017 | 0.0484 | 0.0147 | 0.0003 | 0.0005 | 0.0005 | 0.0406 | 0.5205 | 0.0959 | 0.2390 |
| IND Tamil | 0.0000 | 0.0013 | 0.0002 | 0.0000 | 0.0000 | 0.0000 | 0.0022 | 0.0264 | 0.0009 | 0.1759 |
| Moors | 0.1912 | 0.5200 | 0.4185 | 0.0734 | 0.0325 | 0.0016 | 0.2730 | 0.3228 | 0.8396 | 0.0612 |
| Bhil India | 0.0000 | 0.0023 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0004 | 0.0234 | 0.0003 | 0.5926 |
| Bangladesh | 0.0091 | 0.1744 | 0.0771 | 0.0027 | 0.0012 | 0.0009 | 0.0782 | 0.8853 | 0.2845 | 0.1779 |
| Malaysia | 0.0001 | 0.0319 | 0.0018 | 0.0000 | 0.0002 | 0.0005 | 0.0019 | 0.1060 | 0.0050 | 0.1676 |
| Thailand | 0.0093 | 0.1685 | 0.0915 | 0.0012 | 0.0065 | 0.0002 | 0.0632 | 0.6696 | 0.4760 | 0.0746 |
| China | 0.0000 | 0.0046 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0021 | 0.2326 | 0.0021 | 0.3105 |
| Japan | 0.0000 | 0.0051 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0020 | 0.0000 | 0.7711 |
| Taiwan | 0.0000 | 0.0995 | 0.0098 | 0.0010 | 0.0001 | 0.0000 | 0.0081 | 0.7371 | 0.0485 | 0.2629 |
| Germany | | 0.8628 | 0.7917 | 0.0891 | 0.1824 | 0.0000 | 0.0383 | 0.0014 | 0.2811 | 0.0061 |
| Italy | -0.0025 | | 0.9083 | 0.5693 | 0.2113 | 0.0011 | 0.1091 | 0.1410 | 0.5339 | 0.0444 |
| Sweden | -0.0007 | -0.0029 | | 0.0710 | 0.1127 | 0.0000 | 0.0521 | 0.0352 | 0.5587 | 0.0188 |
| Denmark | 0.0030 | -0.0018 | 0.0039 | | 0.0258 | 0.0000 | 0.0089 | 0.0008 | 0.0269 | 0.0047 |
| North Portugal | 0.0012 | 0.0022 | 0.0022 | 0.0085 | | 0.0000 | 0.0148 | 0.0005 | 0.0751 | 0.0009 |
| Somalia | 0.0168 | 0.0180 | 0.0168 | 0.0313 | 0.0222 | | 0.1635 | 0.0001 | 0.0003 | 0.0014 |
| Ivory Coast | 0.0049 | 0.0048 | 0.0046 | 0.0128 | 0.0097 | 0.0024 | | 0.0199 | 0.2751 | 0.0054 |
| Pakistan | 0.0060 | 0.0031 | 0.0030 | 0.0162 | 0.0128 | 0.0151 | 0.0073 | | 0.1181 | 0.2300 |
| Brazil | 0.0004 | -0.0011 | -0.0006 | 0.0074 | 0.0036 | 0.0130 | 0.0009 | 0.0019 | | 0.0198 |
| Brah. India | 0.0222 | 0.0161 | 0.0163 | 0.0332 | 0.0354 | 0.0305 | 0.0262 | 0.0029 | 0.0175 | |

Below diagonal: Pairwise Fst values; Above diagonal: P-values with shaded cells indicating P<0.0002 (after correction: 0.05/210)

## Supplementary Table S14. Pairwise Fst values calculated for DXS7423

| DXS7423 | Sinhala | SL Tamil | IND Tamil | Moors | Bhil India | Bangladesh | Malaysia | Thailand | China | Japan |
|---|---|---|---|---|---|---|---|---|---|---|
| Sinhala | | 0.6385 | 0.3254 | 0.5570 | 0.4598 | 0.5423 | 0.0284 | 0.3760 | 0.0000 | 0.0000 |
| SL Tamil | -0.0017 | | 0.8434 | 0.3492 | 0.4840 | 0.2243 | 0.0682 | 0.9032 | 0.0000 | 0.0000 |
| IND Tamil | 0.0002 | -0.0039 | | 0.2447 | 0.3421 | 0.1077 | 0.0588 | 0.5396 | 0.0000 | 0.0000 |
| Moors | -0.0014 | 0.0000 | 0.0018 | | 0.2554 | 0.5774 | 0.0285 | 0.2337 | 0.0000 | 0.0000 |
| Bhil India | -0.0007 | -0.0013 | -0.0001 | 0.0013 | | 0.2705 | 0.4275 | 0.2008 | 0.0000 | 0.0000 |
| Bangladesh | -0.0010 | 0.0016 | 0.0052 | -0.0018 | 0.0010 | | 0.0362 | 0.1159 | 0.0000 | 0.0000 |
| Malaysia | 0.0060 | 0.0063 | 0.0078 | 0.0102 | -0.0007 | 0.0070 | | 0.0081 | 0.0000 | 0.0000 |
| Thailand | -0.0002 | -0.0027 | -0.0015 | 0.0013 | 0.0016 | 0.0029 | 0.0104 | | 0.0000 | 0.0000 |
| China | 0.0477 | 0.0386 | 0.0371 | 0.0496 | 0.0614 | 0.0583 | 0.0843 | 0.0340 | | 0.4793 |
| Japan | 0.0522 | 0.0425 | 0.0406 | 0.0563 | 0.0666 | 0.0638 | 0.0892 | 0.0377 | -0.0004 | |
| Taiwan | 0.0443 | 0.0345 | 0.0319 | 0.0484 | 0.0566 | 0.0561 | 0.0779 | 0.0307 | -0.0002 | -0.0006 |
| Germany | 0.0168 | 0.0212 | 0.0246 | 0.0073 | 0.0263 | 0.0124 | 0.0405 | 0.0208 | 0.0524 | 0.0596 |
| Italy | 0.0098 | 0.0092 | 0.0123 | 0.0047 | 0.0195 | 0.0106 | 0.0374 | 0.0070 | 0.0215 | 0.0282 |
| Sweden | 0.0156 | 0.0196 | 0.0233 | 0.0065 | 0.0253 | 0.0114 | 0.0403 | 0.0191 | 0.0500 | 0.0574 |
| Denmark | 0.0295 | 0.0330 | 0.0359 | 0.0165 | 0.0434 | 0.0253 | 0.0648 | 0.0318 | 0.0491 | 0.0576 |
| North Portugal | 0.0212 | 0.0260 | 0.0316 | 0.0117 | 0.0331 | 0.0151 | 0.0504 | 0.0241 | 0.0528 | 0.0608 |
| Somalia | 0.0030 | 0.0044 | 0.0051 | -0.0019 | 0.0033 | 0.0036 | 0.0110 | 0.0069 | 0.0609 | 0.0694 |
| Ivory Coast | 0.0135 | 0.0169 | 0.0159 | 0.0068 | 0.0103 | 0.0127 | 0.0135 | 0.0222 | 0.0965 | 0.1053 |
| Brazil | 0.0185 | 0.0195 | 0.0238 | 0.0124 | 0.0310 | 0.0165 | 0.0497 | 0.0167 | 0.0276 | 0.0332 |

| DXS7423 | Taiwan | Germany | Italy | Sweden | Denmark | North Portugal | Somalia | Ivory Coast | Brazil |
|---|---|---|---|---|---|---|---|---|---|
| Sinhala | 0.0000 | 0.0000 | 0.0289 | 0.0000 | 0.0001 | 0.0000 | 0.1146 | 0.0065 | 0.0001 |
| SL Tamil | 0.0000 | 0.0000 | 0.0647 | 0.0002 | 0.0002 | 0.0005 | 0.1079 | 0.0135 | 0.0015 |
| IND Tamil | 0.0003 | 0.0002 | 0.0402 | 0.0005 | 0.0003 | 0.0000 | 0.1009 | 0.0182 | 0.0010 |
| Moors | 0.0000 | 0.0195 | 0.1330 | 0.0400 | 0.0075 | 0.0146 | 0.6131 | 0.0791 | 0.0118 |
| Bhil India | 0.0000 | 0.0000 | 0.0097 | 0.0000 | 0.0000 | 0.0000 | 0.1346 | 0.0378 | 0.0000 |
| Bangladesh | 0.0000 | 0.0005 | 0.0329 | 0.0011 | 0.0001 | 0.0035 | 0.1086 | 0.0150 | 0.0007 |
| Malaysia | 0.0000 | 0.0000 | 0.0004 | 0.0000 | 0.0000 | 0.0000 | 0.0127 | 0.0131 | 0.0000 |
| Thailand | 0.0000 | 0.0000 | 0.0658 | 0.0000 | 0.0001 | 0.0000 | 0.0316 | 0.0014 | 0.0005 |
| China | 0.3791 | 0.0000 | 0.0026 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Japan | 0.5239 | 0.0000 | 0.0006 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Taiwan | | 0.0000 | 0.0022 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Germany | 0.0554 | | 0.0467 | 0.9780 | 0.3223 | 0.3220 | 0.0004 | 0.0000 | 0.0082 |
| Italy | 0.0250 | 0.0061 | | 0.1053 | 0.0900 | 0.1300 | 0.0281 | 0.0010 | 0.5605 |
| Sweden | 0.0532 | -0.0011 | 0.0040 | | 0.3589 | 0.4863 | 0.0016 | 0.0000 | 0.0427 |
| Denmark | 0.0553 | 0.0004 | 0.0065 | 0.0001 | | 0.3194 | 0.0010 | 0.0000 | 0.1105 |
| North Portugal | 0.0581 | 0.0003 | 0.0042 | -0.0005 | 0.0006 | | 0.0006 | 0.0000 | 0.2310 |
| Somalia | 0.0597 | 0.0126 | 0.0116 | 0.0123 | 0.0234 | 0.0206 | | 0.1821 | 0.0002 |
| Ivory Coast | 0.0931 | 0.0247 | 0.0349 | 0.0258 | 0.0398 | 0.0382 | 0.0026 | | 0.0000 |
| Brazil | 0.0319 | 0.0056 | -0.0016 | 0.0038 | 0.0037 | 0.0012 | 0.0226 | 0.0462 | |

Below diagonal: Pairwise Fst values; Above diagonal: P-values with shaded cells indicating P<0.0003 (after correction: 0.05/171)

## Supplementary Table S14. Pairwise Fst values calculated for DXS9902, DXS10075, DXS7133 and DXS6801

| DXS9902 | Sinhala | SL Tamil | IND Tamil | Moors | Pakistan | China | Taiwan | Germany | Italy |
|---|---|---|---|---|---|---|---|---|---|
| Sinhala | | 0.7704 | 0.0195 | 0.1041 | 0.1445 | 0.0000 | 0.0002 | 0.0044 | 0.1578 |
| SL Tamil | -0.0017 | | 0.0424 | 0.0748 | 0.1071 | 0.0000 | 0.0000 | 0.0045 | 0.0743 |
| IND Tamil | 0.0074 | 0.0082 | | 0.0051 | 0.0367 | 0.0000 | 0.0000 | 0.0458 | 0.0333 |
| Moors | 0.0035 | 0.0059 | 0.0175 | | 0.4719 | 0.0006 | 0.0029 | 0.1233 | 0.7552 |
| Pakistan | 0.0013 | 0.0031 | 0.0065 | -0.0006 | | 0.0000 | 0.0000 | 0.2251 | 0.7319 |
| China | 0.0159 | 0.0249 | 0.0272 | 0.0177 | 0.0172 | | 0.3305 | 0.0001 | 0.0151 |
| Taiwan | 0.0212 | 0.0308 | 0.0415 | 0.0186 | 0.0228 | 0.0002 | | 0.0000 | 0.0096 |
| Germany | 0.0068 | 0.0118 | 0.0063 | 0.0031 | 0.0008 | 0.0128 | 0.0199 | | 0.6317 |
| Italy | 0.0025 | 0.0064 | 0.0107 | -0.0033 | -0.0021 | 0.0105 | 0.0143 | -0.0017 | |

Below diagonal: Pairwise Fst values; Above diagonal: P-values with shaded cells indicating P<0.0014 (after correction:0.05/36)

| DXS10075 | Sinhala | SL Tamil | IND Tamil | Moors | China | Japan | Germany | Italy |
|---|---|---|---|---|---|---|---|---|
| Sinhala | | 0.6633 | 0.8709 | 0.2964 | 0.2727 | 0.0001 | 0.0316 | 0.7816 |
| SL Tamil | -0.0014 | | 0.7865 | 0.1857 | 0.4145 | 0.0001 | 0.0335 | 0.6875 |
| IND Tamil | -0.0024 | -0.0029 | | 0.6188 | 0.2793 | 0.0037 | 0.1040 | 0.6985 |
| Moors | 0.0006 | 0.0027 | -0.002 | | 0.0432 | 0.0354 | 0.1888 | 0.3986 |
| China | 0.0004 | -0.0004 | 0.0008 | 0.0061 | | 0.0000 | 0.0003 | 0.3787 |
| Japan | 0.0121 | 0.0188 | 0.0133 | 0.0061 | 0.0184 | | 0.0179 | 0.0215 |
| Germany | 0.0044 | 0.0069 | 0.0039 | 0.0019 | 0.0119 | 0.0048 | | 0.3376 |
| Italy | -0.0025 | -0.0029 | -0.0030 | -0.0003 | -0.0001 | 0.0094 | 0.0004 | |

Below diagonal: Pairwise Fst values; Above diagonal: P-values with shaded cells indicating P<0.0018 (after correction:0.05/28)

| DXS7133 | Sinhala | SL Tamil | IND Tamil | Moors | Brahmin India | China | Japan | Germany | Italy | Brazil |
|---|---|---|---|---|---|---|---|---|---|---|
| Sinhala | | 0.0293 | 0.0375 | 0.3710 | 0.8680 | 0.0000 | 0.0000 | 0.0107 | 0.0572 | 0.0078 |
| SL Tamil | 0.0068 | | 0.8652 | 0.0076 | 0.2624 | 0.0000 | 0.0000 | 0.0000 | 0.0007 | 0.0000 |
| IND Tamil | 0.0067 | -0.0034 | | 0.0196 | 0.2455 | 0.0000 | 0.0000 | 0.0003 | 0.0020 | 0.0001 |
| Moors | -0.0001 | 0.0166 | 0.0139 | | 0.4098 | 0.0000 | 0.0000 | 0.3026 | 0.5295 | 0.4122 |
| Brahmin India | -0.0054 | 0.0022 | 0.0030 | -0.0010 | | 0.0000 | 0.0000 | 0.2465 | 0.2228 | 0.1650 |
| China | 0.1254 | 0.0784 | 0.082 | 0.1770 | 0.1475 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Japan | 0.0805 | 0.0415 | 0.0392 | 0.1052 | 0.0946 | 0.0325 | | 0.0000 | 0.0000 | 0.0000 |
| Germany | 0.0069 | 0.0309 | 0.0276 | 0.0006 | 0.0026 | 0.1868 | 0.1313 | | 0.8370 | 0.3392 |
| Italy | 0.0063 | 0.0327 | 0.0288 | -0.0019 | 0.0039 | 0.2186 | 0.1421 | -0.0033 | | 0.9324 |
| Brazil | 0.0074 | 0.0308 | 0.0265 | -0.0004 | 0.0052 | 0.1935 | 0.1270 | 0.0001 | -0.0037 | |

Below diagonal: Pairwise Fst values; Above diagonal: P-values with shaded cells indicating P<0.0011 (after correction:0.05/45)

| DXS6801 | Sinhala | SL Tamil | IND Tamil | Moors | Pakistan | China | Germany | Italy | Ivory Coast | Brazil |
|---|---|---|---|---|---|---|---|---|---|---|
| Sinhala | | 0.5928 | 0.0653 | 0.7843 | 0.1065 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| SL Tamil | -0.0012 | | 0.0401 | 0.3427 | 0.0877 | 0.0074 | 0.0000 | 0.0021 | 0.0000 | 0.0049 |
| IND Tamil | 0.0051 | 0.0087 | | 0.4087 | 0.0072 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Moors | -0.0023 | 0.0003 | -0.0004 | | 0.2934 | 0.0000 | 0.0000 | 0.0001 | 0.0000 | 0.0000 |
| Pakistan | 0.0025 | 0.0045 | 0.0138 | 0.0008 | | 0.0000 | 0.0000 | 0.0009 | 0.0000 | 0.0042 |
| China | 0.0184 | 0.0103 | 0.0492 | 0.0279 | 0.0242 | | 0.0000 | 0.0347 | 0.0000 | 0.0068 |
| Germany | 0.0280 | 0.0201 | 0.0621 | 0.0357 | 0.0206 | 0.0093 | | 0.2354 | 0.0000 | 0.3538 |
| Italy | 0.0276 | 0.0211 | 0.0646 | 0.0366 | 0.0212 | 0.0058 | 0.0008 | | 0.0000 | 0.5010 |
| Ivory Coast | 0.0749 | 0.0677 | 0.0741 | 0.0677 | 0.0591 | 0.1073 | 0.0752 | 0.0955 | | 0.0000 |
| Brazil | 0.0181 | 0.0128 | 0.0481 | 0.0240 | 0.0109 | 0.0072 | 0.0000 | -0.0009 | 0.0732 | |

Below diagonal: Pairwise Fst values; Above diagonal: P-values with shaded cells indicating P<0.0018 (after correction:0.05/28)

## Supplementary Table S14. Pairwise Fst values calculated for DXS6809 and DXS6789

| DXS6809 | Sinhala | SL Tamil | IND Tamil | Moors | Brahmin India | Pakistan | China | Japan | Taiwan | Germany | Italy | Brazil |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sinhala | | 0.5138 | 0.3993 | 0.6721 | 0.6298 | 0.1963 | 0.0000 | 0.0355 | 0.0016 | 0.0012 | 0.5953 | 0.0099 |
| SL Tamil | -0.0004 | | 0.4023 | 0.3673 | 0.2681 | 0.1968 | 0.0052 | 0.0270 | 0.0649 | 0.0080 | 0.1338 | 0.0269 |
| IND Tamil | 0.0000 | -0.0000 | | 0.2611 | 0.5043 | 0.2843 | 0.0361 | 0.3262 | 0.1948 | 0.1936 | 0.6266 | 0.2316 |
| Moors | -0.0012 | 0.0003 | 0.0014 | | 0.8702 | 0.9119 | 0.0896 | 0.5279 | 0.0568 | 0.0959 | 0.5670 | 0.2893 |
| Brahmin India | -0.0023 | 0.0021 | -0.0011 | -0.0057 | | 0.5612 | 0.1445 | 0.6947 | 0.1358 | 0.2911 | 0.7917 | 0.3676 |
| Pakistan | 0.0010 | 0.0016 | 0.0009 | -0.0028 | -0.0019 | | 0.1853 | 0.4006 | 0.0718 | 0.3407 | 0.4292 | 0.7164 |
| China | 0.0074 | 0.0067 | 0.0043 | 0.0027 | 0.0041 | 0.0010 | | 0.0450 | 0.3960 | 0.0128 | 0.0090 | 0.6685 |
| Japan | 0.0023 | 0.0046 | 0.0004 | -0.0006 | -0.0029 | -0.0000 | 0.0017 | | 0.0621 | 0.0681 | 0.5591 | 0.3272 |
| Taiwan | 0.0071 | 0.0040 | 0.0018 | 0.0046 | 0.0051 | 0.0030 | 0.0000 | 0.0024 | | 0.0209 | 0.0276 | 0.2097 |
| Germany | 0.0045 | 0.0058 | 0.0013 | 0.0024 | 0.0013 | 0.0002 | 0.0020 | 0.0012 | 0.0031 | | 0.2548 | 0.7598 |
| Italy | -0.0008 | 0.0027 | -0.0014 | -0.0011 | -0.0043 | -0.0002 | 0.0055 | -0.0006 | 0.0054 | 0.0007 | | 0.1730 |
| Brazil | 0.0044 | 0.0052 | 0.0012 | 0.0007 | 0.0003 | -0.0012 | -0.0006 | 0.0003 | 0.0010 | -0.0007 | 0.0017 | |

Below diagonal: Pairwise Fst values  Above diagonal: P-values P<0.0008 (after correction: 0.05/66) shaded

| DXS6789 | Sinhala | SL Tamil | IND Tamil | Moors | Brahmin India | Pakistan | China | Japan | Taiwan | Germany | Italy | Ivory Coast | Brazil |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sinhala | | 0.0492 | 0.1260 | 0.3671 | 0.8269 | 0.0010 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| SL Tamil | 0.0038 | | 0.4643 | 0.8188 | 0.2159 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0030 | 0.0000 |
| IND Tamil | 0.0025 | -0.0005 | | 0.8455 | 0.5921 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0015 | 0.0000 |
| Moors | 0.0001 | -0.0026 | -0.0029 | | 0.6125 | 0.0001 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0114 | 0.0000 |
| Brahmin India | -0.0041 | 0.0034 | -0.0026 | -0.0027 | | 0.1806 | 0.0000 | 0.0000 | 0.0001 | 0.0003 | 0.0012 | 0.0137 | 0.0042 |
| Pakistan | 0.0089 | 0.0297 | 0.0257 | 0.0208 | 0.0042 | | 0.0000 | 0.0000 | 0.0000 | 0.0005 | 0.0112 | 0.0000 | 0.0341 |
| China | 0.0541 | 0.0409 | 0.0551 | 0.044 | 0.0606 | 0.0838 | | 0.0057 | 0.0766 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Japan | 0.0478 | 0.0380 | 0.0518 | 0.0396 | 0.0518 | 0.0713 | 0.0036 | | 0.3571 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Taiwan | 0.0364 | 0.0264 | 0.0382 | 0.0276 | 0.0407 | 0.0627 | 0.0022 | 0.0001 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Germany | 0.0392 | 0.0714 | 0.0673 | 0.0575 | 0.0345 | 0.0108 | 0.1174 | 0.0959 | 0.0917 | | 0.3928 | 0.0000 | 0.0816 |
| Italy | 0.0421 | 0.0784 | 0.0726 | 0.0639 | 0.0381 | 0.0098 | 0.1244 | 0.1049 | 0.1005 | -0.0001 | | 0.0000 | 0.4896 |
| Ivory Coast | 0.0211 | 0.0128 | 0.0159 | 0.0101 | 0.0172 | 0.0460 | 0.0547 | 0.0391 | 0.0307 | 0.0710 | 0.0862 | | 0.0000 |
| Brazil | 0.0311 | 0.0626 | 0.0558 | 0.0483 | 0.0237 | 0.0052 | 0.1057 | 0.0883 | 0.0836 | 0.0020 | -0.0006 | 0.0706 | |

Below diagonal: Pairwise Fst values  Above diagonal: P-values P<0.0006 (after correction: 0.05/78) shaded

## Supplementary Table S14. Pairwise Fst values calculated for DXS7424 and DXS101

| DXS7424 | Sinhala | SL Tamil | IND Tamil | Moors | Pakistan | China | Japan | Taiwan | Germany | Italy | Ivory Coast | Brazil |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sinhala | | 0.0533 | 0.0010 | 0.5079 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0000 |
| SL Tamil | 0.0035 | | 0.2327 | 0.3984 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0031 | 0.0000 |
| IND Tamil | 0.0112 | 0.0016 | | 0.0509 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0003 | 0.0000 |
| Moors | -0.0005 | 0.0001 | 0.0066 | | 0.0023 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0002 | 0.0000 |
| Pakistan | 0.0138 | 0.0285 | 0.0257 | 0.0117 | | 0.0000 | 0.0000 | 0.0000 | 0.0005 | 0.0011 | 0.0000 | 0.0049 |
| China | 0.0783 | 0.1077 | 0.1019 | 0.0780 | 0.0286 | | 0.0003 | 0.8338 | 0.0000 | 0.0714 | 0.0000 | 0.0011 |
| Japan | 0.0835 | 0.1154 | 0.1157 | 0.0871 | 0.0428 | 0.0082 | | 0.0074 | 0.0000 | 0.0412 | 0.0000 | 0.0000 |
| Taiwan | 0.0770 | 0.1071 | 0.1016 | 0.0784 | 0.0292 | -0.0014 | 0.0074 | | 0.0000 | 0.1022 | 0.0000 | 0.0043 |
| Germany | 0.0355 | 0.0466 | 0.0399 | 0.0269 | 0.0082 | 0.0227 | 0.0311 | 0.0247 | | 0.0015 | 0.0000 | 0.0722 |
| Italy | 0.0495 | 0.0735 | 0.0713 | 0.0479 | 0.0142 | 0.0035 | 0.0049 | 0.0036 | 0.0084 | | 0.0000 | 0.2985 |
| Ivory Coast | 0.0135 | 0.0137 | 0.0229 | 0.0203 | 0.0506 | 0.1387 | 0.1340 | 0.1385 | 0.0727 | 0.0952 | | 0.0000 |
| Brazil | 0.0425 | 0.0593 | 0.0530 | 0.0366 | 0.0083 | 0.0086 | 0.0180 | 0.0095 | 0.0017 | 0.0005 | 0.0887 | |

Below diagonal: Pairwise Fst values; Above diagonal: P-values with shaded cells indicating P<0.0008 (after correction:0.05/66)

| DXS101 | Sinhala | SL Tamil | IND Tamil | Moors | Brahmin India | Pakistan | China | Japan | Taiwan | Germany | Italy | Ivory Coast | Brazil |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sinhala | | 0.0664 | 0.1833 | 0.1847 | 0.2834 | 0.2602 | 0.0231 | 0.0355 | 0.0241 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| SL Tamil | 0.0031 | | 0.7313 | 0.2022 | 0.3611 | 0.0946 | 0.0730 | 0.0531 | 0.0154 | 0.0000 | 0.0036 | 0.0000 | 0.0011 |
| IND Tamil | 0.0015 | -0.0018 | | 0.2122 | 0.6142 | 0.2745 | 0.2996 | 0.5425 | 0.4450 | 0.0003 | 0.0016 | 0.0000 | 0.0001 |
| Moors | 0.0016 | 0.0019 | 0.0019 | | 0.0416 | 0.0661 | 0.0468 | 0.0318 | 0.0062 | 0.0000 | 0.0001 | 0.0000 | 0.0000 |
| Brahmin India | 0.0014 | 0.0005 | -0.0024 | 0.0110 | | 0.6209 | 0.4240 | 0.4995 | 0.5332 | 0.0128 | 0.0351 | 0.0000 | 0.0156 |
| Pakistan | 0.0006 | 0.0029 | 0.0008 | 0.0040 | -0.0021 | | 0.2366 | 0.0486 | 0.0855 | 0.0005 | 0.0040 | 0.0000 | 0.0004 |
| China | 0.0023 | 0.0026 | 0.0006 | 0.0038 | -0.0002 | 0.0006 | | 0.2658 | 0.1266 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Japan | 0.0023 | 0.0035 | -0.0006 | 0.0048 | -0.0011 | 0.0028 | 0.0003 | | 0.3863 | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Taiwan | 0.0038 | 0.0067 | -0.0002 | 0.0092 | -0.0013 | 0.0027 | 0.0014 | 0.0000 | | 0.0000 | 0.0000 | 0.0000 | 0.0000 |
| Germany | 0.0119 | 0.0094 | 0.0087 | 0.0126 | 0.0097 | 0.0051 | 0.0138 | 0.0176 | 0.0158 | | 0.3334 | 0.0000 | 0.0006 |
| Italy | 0.0158 | 0.0089 | 0.0114 | 0.0165 | 0.0092 | 0.0076 | 0.0178 | 0.0227 | 0.0223 | 0.0002 | | 0.0000 | 0.2800 |
| Ivory Coast | 0.0660 | 0.0491 | 0.0512 | 0.0597 | 0.0520 | 0.0450 | 0.0565 | 0.0684 | 0.0602 | 0.0319 | 0.0269 | | 0.0000 |
| Brazil | 0.0193 | 0.0094 | 0.0125 | 0.0171 | 0.0109 | 0.0099 | 0.0171 | 0.0223 | 0.0247 | 0.0047 | 0.0006 | 0.0292 | |

Below diagonal: Pairwise Fst values; Above diagonal: P-values with shaded cells indicating P<0.0006 (after correction:0.05/78)

**Supplementary Table S15. Haplotype frequencies observed among the Sinhalese male population for the four clusters of linked loci**

| Cluster I | | | | Cluster II | | | | | Cluster III | | | | Cluster IV | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DXS 10148 | DXS 10135 | DXS 8378 | Freq. | DXS 7132 | DXS 10079 | DXS 10074 | DXS 10075 | Freq. | DXS 6801 | DXS 6809 | DXS 6789 | Freq. | DXS 7424 | DXS 101 | DXS 7133 | Freq. |
| 17 | 20 | 11 | 0.0039 | 11 | 17 | 18 | 16 | 0.0039 | 8 | 32 | 22 | 0.0039 | 10 | 24 | 9 | 0.0078 |
| 17 | 23 | 11 | 0.0039 | 11 | 19 | 16 | 15 | 0.0039 | 9 | 34 | 16 | 0.0039 | 11 | 23 | 9 | 0.0039 |
| 17 | 25 | 10 | 0.0039 | 11 | 19 | 16 | 18 | 0.0039 | 10 | 31 | 15 | 0.0039 | 11 | 24 | 9 | 0.0155 |
| 17 | 27 | 12 | 0.0039 | 11 | 20 | 17 | 18 | 0.0039 | 10 | 31 | 20 | 0.0039 | 11 | 24 | 10 | 0.0116 |
| 17 | 29 | 11 | 0.0078 | 11 | 21 | 16 | 16 | 0.0039 | 10 | 31 | 21 | 0.0039 | 11 | 24 | 11 | 0.0116 |
| 17 | 31 | 11 | 0.0039 | 12 | 15 | 16 | 16 | 0.0039 | 10 | 32 | 15 | 0.0078 | 11 | 26 | 9 | 0.0078 |
| 18 | 16 | 12 | 0.0039 | 12 | 16 | 16 | 16 | 0.0039 | 10 | 32 | 16 | 0.0039 | 11 | 26 | 11 | 0.0039 |
| 18 | 18 | 11 | 0.0039 | 12 | 16 | 17 | 17 | 0.0039 | 10 | 32 | 20 | 0.0194 | 11 | 27 | 8 | 0.0039 |
| 18 | 18 | 12 | 0.0078 | 12 | 17 | 15 | 17 | 0.0039 | 10 | 32 | 22 | 0.0078 | 11 | 27 | 10 | 0.0039 |
| 18 | 19 | 10 | 0.0039 | 12 | 17 | 16 | 18 | 0.0039 | 10 | 32 | 23 | 0.0039 | 11 | 27 | 11 | 0.0078 |
| 18 | 20 | 11 | 0.0078 | 12 | 18 | 7 | 13 | 0.0116 | 10 | 33 | 14 | 0.0116 | 11 | 28 | 11 | 0.0039 |
| 18 | 21 | 9 | 0.0039 | 12 | 18 | 17 | 17 | 0.0116 | 10 | 33 | 15 | 0.0078 | 12 | 22 | 9 | 0.0116 |
| 18 | 21 | 10 | 0.0078 | 12 | 19 | 7 | 13 | 0.0078 | 10 | 33 | 16 | 0.0078 | 12 | 22 | 11 | 0.0039 |
| 18 | 22 | 9 | 0.0194 | 12 | 19 | 15 | 18 | 0.0078 | 10 | 33 | 20 | 0.0388 | 12 | 23 | 9 | 0.0039 |
| 18 | 22 | 12 | 0.0039 | 12 | 19 | 15 | 17 | 0.0039 | 10 | 33 | 21 | 0.0078 | 12 | 25 | 9 | 0.0078 |
| 18 | 23 | 11 | 0.0039 | 12 | 19 | 16 | 15 | 0.0039 | 10 | 33 | 22 | 0.0116 | 12 | 25 | 10 | 0.0078 |
| 18 | 24 | 10 | 0.0078 | 12 | 19 | 16 | 18 | 0.0039 | 10 | 33 | 23 | 0.0039 | 12 | 26 | 9 | 0.0039 |
| 18 | 24 | 11 | 0.0039 | 12 | 19 | 16 | 16 | 0.0039 | 10 | 34 | 15 | 0.0116 | 12 | 26 | 10 | 0.0039 |
| 18 | 25 | 10 | 0.0078 | 12 | 19 | 17 | 18 | 0.0039 | 10 | 34 | 16 | 0.0039 | 12 | 27 | 10 | 0.0039 |
| 18 | 25 | 11 | 0.0039 | 12 | 19 | 18 | 18 | 0.0039 | 10 | 34 | 20 | 0.0271 | 12 | 28 | 9 | 0.0116 |
| 18 | 25 | 12 | 0.0039 | 12 | 19 | 18 | 16 | 0.0039 | 10 | 34 | 21 | 0.0155 | 13 | 18 | 9 | 0.0039 |
| 18 | 26 | 9 | 0.0116 | 12 | 19 | 19 | 17 | 0.0039 | 10 | 35 | 15 | 0.0039 | 13 | 20 | 8 | 0.0039 |
| 18 | 26 | 10 | 0.0039 | 12 | 20 | 15 | 16 | 0.0039 | 10 | 35 | 16 | 0.0039 | 13 | 20 | 9 | 0.0039 |
| 18 | 26 | 11 | 0.0078 | 12 | 20 | 15 | 17 | 0.0039 | 10 | 35 | 20 | 0.0039 | 13 | 22 | 11 | 0.0078 |
| 18 | 26 | 12 | 0.0039 | 12 | 20 | 15 | 18 | 0.0039 | 10 | 35 | 21 | 0.0039 | 13 | 23 | 9 | 0.0116 |
| 18 | 27 | 10 | 0.0039 | 12 | 20 | 16 | 17 | 0.0039 | 10 | 35 | 22 | 0.0039 | 13 | 23 | 10 | 0.0039 |
| 18 | 27 | 11 | 0.0155 | 12 | 20 | 17 | 17 | 0.0039 | 10 | 36 | 15 | 0.0039 | 13 | 24 | 8 | 0.0039 |
| 18 | 28 | 10 | 0.0078 | 12 | 20 | 17 | 15 | 0.0039 | 10 | 36 | 20 | 0.0078 | 13 | 24 | 9 | 0.0504 |
| 18 | 28 | 11 | 0.0039 | 12 | 20 | 18 | 18 | 0.0116 | 10 | 36 | 21 | 0.0039 | 13 | 24 | 11 | 0.0349 |
| 18 | 28 | 12 | 0.0039 | 12 | 21 | 15 | 18 | 0.0039 | 10 | 36 | 23 | 0.0039 | 13 | 24 | 14 | 0.0078 |
| 18 | 29 | 10 | 0.0039 | 12 | 21 | 16 | 17 | 0.0039 | 11 | 29 | 15 | 0.0116 | 13 | 25 | 8 | 0.0078 |
| 18 | 29 | 11 | 0.0039 | 12 | 21 | 19 | 18 | 0.0039 | 11 | 29 | 19 | 0.0039 | 13 | 25 | 9 | 0.0349 |
| 18 | 30 | 11 | 0.0039 | 12 | 22 | 16 | 16 | 0.0039 | 11 | 29 | 20 | 0.0078 | 13 | 25 | 10 | 0.0155 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18 | 31 | 12 | 0.0039 | 13 | 15 | 14 | 18 | 0.0039 | 11 | 30 | 15 | 0.0116 | 13 | 25 | 11 | 0.0039 |
| 18 | 32 | 12 | 0.0039 | 13 | 16 | 16 | 16 | 0.0039 | 11 | 30 | 20 | 0.0116 | 13 | 25 | 14 | 0.0078 |
| 18 | 33 | 9 | 0.0039 | 13 | 16 | 16 | 18 | 0.0078 | 11 | 30 | 23 | 0.0078 | 13 | 26 | 9 | 0.0155 |
| 18 | 33 | 11 | 0.0039 | 13 | 17 | 17 | 17 | 0.0039 | 11 | 31 | 15 | 0.0078 | 13 | 26 | 11 | 0.0116 |
| 18 | 33 | 12 | 0.0039 | 13 | 17 | 20 | 16 | 0.0039 | 11 | 31 | 16 | 0.0078 | 13 | 27 | 8 | 0.0039 |
| 18 | 34 | 12 | 0.0039 | 13 | 18 | 15 | 18 | 0.0039 | 11 | 31 | 20 | 0.0039 | 13 | 27 | 9 | 0.0078 |
| 18 | 37 | 11 | 0.0039 | 13 | 18 | 16 | 17 | 0.0155 | 11 | 31 | 21 | 0.0039 | 13 | 27 | 10 | 0.0039 |
| 19 | 18 | 12 | 0.0039 | 13 | 18 | 16 | 18 | 0.0078 | 11 | 31 | 23 | 0.0039 | 13 | 28 | 11 | 0.0039 |
| 19 | 19 | 11 | 0.0039 | 13 | 18 | 17 | 17 | 0.0078 | 11 | 32 | 15 | 0.0039 | 13 | 28 | 13 | 0.0039 |
| 19 | 22 | 9 | 0.0078 | 13 | 18 | 17 | 18 | 0.0039 | 11 | 32 | 16 | 0.0039 | 13 | 30 | 10 | 0.0039 |
| 19 | 22 | 10 | 0.0039 | 13 | 18 | 17.1 | 17 | 0.0039 | 11 | 32 | 20 | 0.0271 | 14 | 22 | 9 | 0.0039 |
| 19 | 22 | 12 | 0.0039 | 13 | 18 | 18 | 18 | 0.0039 | 11 | 32 | 21 | 0.0078 | 14 | 22 | 10 | 0.0039 |
| 19 | 23 | 9 | 0.0039 | 13 | 18 | 18 | 17 | 0.0039 | 11 | 32 | 22 | 0.0116 | 14 | 23 | 9 | 0.0039 |
| 19 | 23 | 11 | 0.0039 | 13 | 19 | 8 | 16 | 0.0039 | 11 | 33 | 14 | 0.0039 | 14 | 24 | 9 | 0.0194 |
| 19 | 24 | 12 | 0.0039 | 13 | 19 | 9 | 17 | 0.0039 | 11 | 33 | 15 | 0.0349 | 14 | 24 | 10 | 0.0078 |
| 19 | 25 | 12 | 0.0039 | 13 | 19 | 15 | 19 | 0.0039 | 11 | 33 | 16 | 0.0078 | 14 | 24 | 11 | 0.0155 |
| 19 | 27 | 11 | 0.0039 | 13 | 19 | 15 | 17 | 0.0078 | 11 | 33 | 18 | 0.0078 | 14 | 25 | 8 | 0.0039 |
| 19 | 28 | 11 | 0.0039 | 13 | 19 | 16 | 19 | 0.0039 | 11 | 33 | 20 | 0.0388 | 14 | 25 | 9 | 0.0233 |
| 19 | 29 | 11 | 0.0039 | 13 | 19 | 16 | 18 | 0.0039 | 11 | 33 | 21 | 0.0233 | 14 | 25 | 10 | 0.0116 |
| 19 | 31 | 11 | 0.0039 | 13 | 19 | 16 | 17 | 0.0039 | 11 | 33 | 22 | 0.0078 | 14 | 25 | 11 | 0.0155 |
| 20 | 18 | 11 | 0.0116 | 13 | 19 | 17 | 17 | 0.0078 | 11 | 33 | 23 | 0.0039 | 14 | 25 | 15 | 0.0039 |
| 20 | 20 | 12 | 0.0078 | 13 | 19 | 17 | 18 | 0.0078 | 11 | 34 | 14 | 0.0039 | 14 | 26 | 9 | 0.0155 |
| 20 | 21 | 12 | 0.0078 | 13 | 19 | 18 | 18 | 0.0039 | 11 | 34 | 15 | 0.0271 | 14 | 26 | 10 | 0.0039 |
| 20 | 23 | 11 | 0.0039 | 13 | 19 | 18 | 16 | 0.0039 | 11 | 34 | 16 | 0.0194 | 14 | 26 | 11 | 0.0039 |
| 20 | 24 | 12 | 0.0039 | 13 | 19 | 18 | 17 | 0.0039 | 11 | 34 | 17 | 0.0039 | 14 | 27 | 9 | 0.0116 |
| 20 | 27 | 12 | 0.0039 | 13 | 19 | 19 | 17 | 0.0078 | 11 | 34 | 20 | 0.0155 | 14 | 27 | 11 | 0.0078 |
| 20 | 28 | 10 | 0.0039 | 13 | 20 | 8 | 18 | 0.0039 | 11 | 34 | 21 | 0.0194 | 14 | 28 | 9 | 0.0078 |
| 20 | 31 | 11 | 0.0039 | 13 | 20 | 16 | 18 | 0.0078 | 11 | 34 | 22 | 0.0116 | 14 | 28 | 10 | 0.0039 |
| 20 | 34 | 10 | 0.0039 | 13 | 20 | 16 | 17 | 0.0078 | 11 | 34 | 23 | 0.0039 | 14 | 28 | 11 | 0.0078 |
| 20.1 | 21 | 12 | 0.0039 | 13 | 20 | 17 | 18 | 0.0039 | 11 | 34 | 24 | 0.0039 | 14 | 29 | 9 | 0.0039 |
| 20.1 | 26 | 11 | 0.0039 | 13 | 20 | 17 | 16 | 0.0078 | 11 | 35 | 15 | 0.0039 | 14 | 31 | 11 | 0.0039 |
| 20.1 | 29 | 11 | 0.0039 | 13 | 20 | 17 | 17 | 0.0078 | 11 | 35 | 16 | 0.0039 | 15 | 18 | 11 | 0.0039 |
| 21 | 14 | 12 | 0.0039 | 13 | 20 | 18 | 17 | 0.0194 | 11 | 35 | 21 | 0.0116 | 15 | 20 | 9 | 0.0039 |
| 21 | 17 | 11 | 0.0039 | 13 | 20 | 18 | 18 | 0.0078 | 11 | 35 | 22 | 0.0155 | 15 | 22 | 9 | 0.0039 |
| 21 | 21 | 11 | 0.0078 | 13 | 20 | 18 | 19 | 0.0039 | 11 | 35 | 23 | 0.0039 | 15 | 23 | 9 | 0.0078 |
| 21 | 23 | 11 | 0.0039 | 13 | 20 | 18 | 16 | 0.0078 | 11 | 36 | 16 | 0.0078 | 15 | 23 | 10 | 0.0078 |
| 21 | 24 | 11 | 0.0078 | 13 | 20 | 19 | 16 | 0.0039 | 11 | 36 | 20 | 0.0078 | 15 | 23 | 12 | 0.0039 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 21 | 24 | 12 | 0.0039 | 13 | 21 | 16 | 16 | 0.0039 | 11 | 36 | 21 | 0.0039 | 15 | 24 | 9 | 0.0271 |
| 21 | 26 | 11 | 0.0039 | 13 | 21 | 17 | 18 | 0.0039 | 11 | 36 | 22 | 0.0039 | 15 | 24 | 10 | 0.0039 |
| 21 | 28 | 10 | 0.0039 | 13 | 21 | 17 | 15 | 0.0039 | 12 | 31 | 15 | 0.0155 | 15 | 24 | 11 | 0.0116 |
| 21.1 | 29 | 12 | 0.0078 | 13 | 21 | 17 | 17 | 0.0078 | 12 | 31 | 17 | 0.0039 | 15 | 24 | 12 | 0.0078 |
| 21.1 | 30 | 11 | 0.0039 | 13 | 21 | 18 | 18 | 0.0039 | 12 | 31 | 20 | 0.0194 | 15 | 24 | 14 | 0.0039 |
| 22 | 26 | 10 | 0.0039 | 13 | 21 | 18 | 16 | 0.0039 | 12 | 31 | 21 | 0.0039 | 15 | 25 | 9 | 0.0233 |
| 22.1 | 21 | 10 | 0.0039 | 13 | 21 | 19 | 16 | 0.0039 | 12 | 31 | 22 | 0.0039 | 15 | 25 | 10 | 0.0116 |
| 22.1 | 24 | 11 | 0.0039 | 13 | 21 | 20 | 18 | 0.0039 | 12 | 32 | 18 | 0.0039 | 15 | 25 | 11 | 0.0078 |
| 22.1 | 25 | 11 | 0.0039 | 13 | 22 | 16 | 17 | 0.0039 | 12 | 32 | 20 | 0.0194 | 15 | 26 | 9 | 0.0116 |
| 22.1 | 28 | 10 | 0.0039 | 13 | 22 | 17 | 17 | 0.0039 | 12 | 32 | 22 | 0.0039 | 15 | 26 | 10 | 0.0078 |
| 22.1 | 28 | 11 | 0.0039 | 13 | 22 | 17 | 18 | 0.0039 | 12 | 33 | 14 | 0.0039 | 15 | 26 | 11 | 0.0078 |
| 22.1 | 28 | 12 | 0.0039 | 13 | 22 | 19 | 17 | 0.0039 | 12 | 33 | 15 | 0.0194 | 15 | 26 | 12 | 0.0078 |
| 22.1 | 29 | 10 | 0.0039 | 14 | 13 | 17 | 18 | 0.0039 | 12 | 33 | 16 | 0.0155 | 15 | 27 | 9 | 0.0233 |
| 22.1 | 30 | 11 | 0.0039 | 14 | 15 | 17 | 16 | 0.0039 | 12 | 33 | 17 | 0.0078 | 15 | 27 | 11 | 0.0039 |
| 23.1 | 21 | 10 | 0.0039 | 14 | 15 | 17 | 18 | 0.0078 | 12 | 33 | 20 | 0.0349 | 15 | 28 | 9 | 0.0039 |
| 23.1 | 21 | 11 | 0.0039 | 14 | 15 | 18 | 17 | 0.0039 | 12 | 33 | 21 | 0.0078 | 15 | 28 | 10 | 0.0039 |
| 23.1 | 24 | 10 | 0.0039 | 14 | 15 | 19 | 18 | 0.0039 | 12 | 33 | 22 | 0.0116 | 15 | 28 | 11 | 0.0039 |
| 23.1 | 24 | 13 | 0.0039 | 14 | 16 | 15 | 16 | 0.0039 | 12 | 34 | 15 | 0.0116 | 15 | 28 | 13 | 0.0039 |
| 23.1 | 26 | 11 | 0.0078 | 14 | 16 | 16 | 16 | 0.0078 | 12 | 34 | 20 | 0.0233 | 15 | 30 | 11 | 0.0039 |
| 23.1 | 27 | 11 | 0.0078 | 14 | 16 | 17 | 17 | 0.0039 | 12 | 34 | 22 | 0.0039 | 16 | 18 | 11 | 0.0039 |
| 23.1 | 29 | 12 | 0.0039 | 14 | 16 | 18 | 17 | 0.0039 | 12 | 35 | 15 | 0.0078 | 16 | 22 | 10 | 0.0039 |
| 23.1 | 30 | 12 | 0.0039 | 14 | 17 | 16 | 16 | 0.0039 | 12 | 35 | 20 | 0.0039 | 16 | 22 | 11 | 0.0039 |
| 23.1 | 38 | 12 | 0.0039 | 14 | 17 | 16 | 17 | 0.0039 | 12 | 35 | 21 | 0.0039 | 16 | 24 | 9 | 0.0310 |
| 23.2 | 25 | 10 | 0.0039 | 14 | 17 | 17 | 18 | 0.0039 | 12 | 36 | 14 | 0.0039 | 16 | 24 | 10 | 0.0116 |
| 24.1 | 19 | 11 | 0.0039 | 14 | 17 | 18 | 17 | 0.0039 | 12 | 36 | 22 | 0.0039 | 16 | 24 | 11 | 0.0039 |
| 24.1 | 19 | 12 | 0.0039 | 14 | 17 | 18 | 16 | 0.0039 | 12 | 37 | 15 | 0.0039 | 16 | 25 | 8 | 0.0039 |
| 24.1 | 20 | 10 | 0.0039 | 14 | 18 | 15 | 16 | 0.0039 | 12 | 37 | 20 | 0.0039 | 16 | 25 | 9 | 0.0233 |
| 24.1 | 21 | 10 | 0.0039 | 14 | 18 | 16 | 16 | 0.0078 | 12 | 37 | 21 | 0.0039 | 16 | 25 | 14 | 0.0078 |
| 24.1 | 22 | 9 | 0.0078 | 14 | 18 | 17 | 16 | 0.0078 | 12 | 38 | 14 | 0.0039 | 16 | 26 | 9 | 0.0194 |
| 24.1 | 22 | 10 | 0.0039 | 14 | 18 | 17 | 17 | 0.0078 | 13 | 31 | 16 | 0.0039 | 16 | 26 | 11 | 0.0078 |
| 24.1 | 22 | 11 | 0.0078 | 14 | 18 | 18 | 18 | 0.0039 | 13 | 32 | 15 | 0.0039 | 16 | 27 | 9 | 0.0194 |
| 24.1 | 23 | 9 | 0.0039 | 14 | 18 | 19 | 19 | 0.0039 | 13 | 32 | 19 | 0.0039 | 16 | 27 | 11 | 0.0039 |
| 24.1 | 23 | 10 | 0.0078 | 14 | 19 | 8 | 17 | 0.0039 | 13 | 33 | 15 | 0.0039 | 16 | 28 | 9 | 0.0039 |
| 24.1 | 24 | 9 | 0.0039 | 14 | 19 | 9 | 16 | 0.0039 | 13 | 33 | 20 | 0.0116 | 16 | 28 | 11 | 0.0155 |
| 24.1 | 24 | 10 | 0.0039 | 14 | 19 | 15 | 17 | 0.0039 | 13 | 33 | 21 | 0.0039 | 16 | 29 | 9 | 0.0039 |
| 24.1 | 24 | 12 | 0.0039 | 14 | 19 | 16 | 19 | 0.0039 | 13 | 33 | 22 | 0.0039 | 17 | 15 | 9 | 0.0039 |
| 24.1 | 25 | 10 | 0.0039 | 14 | 19 | 16 | 16 | 0.0039 | 13 | 33 | 23 | 0.0039 | 17 | 21 | 11 | 0.0078 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 24.1 | 25 | 11 | 0.0078 | 14 | 19 | 17 | 18 | 0.0039 | 13 | 34 | 18 | 0.0039 | 17 | 22 | 11 | 0.0039 |
| 24.1 | 25 | 12 | 0.0039 | 14 | 19 | 17 | 17 | 0.0155 | 13 | 34 | 21 | 0.0078 | 17 | 24 | 9 | 0.0039 |
| 24.1 | 26 | 11 | 0.0039 | 14 | 19 | 17 | 16 | 0.0039 | 13 | 35 | 22 | 0.0039 | 17 | 24 | 10 | 0.0039 |
| 24.1 | 26 | 12 | 0.0039 | 14 | 19 | 18 | 17 | 0.0233 | 13 | 36 | 15 | 0.0039 | 17 | 24 | 11 | 0.0078 |
| 24.1 | 27 | 11 | 0.0078 | 14 | 19 | 18 | 16 | 0.0116 | 13 | 36 | 21 | 0.0039 | 17 | 26 | 11 | 0.0039 |
| 24.1 | 28 | 10 | 0.0039 | 14 | 19 | 18 | 18 | 0.0039 | 13 | 36 | 22 | 0.0039 | 18 | 15 | 10 | 0.0039 |
| 24.1 | 28 | 11 | 0.0039 | 14 | 19 | 19 | 18 | 0.0078 | | | | | 18 | 25 | 9 | 0.0039 |
| 24.1 | 29 | 10 | 0.0039 | 14 | 19 | 19 | 17 | 0.0078 | | | | | 19 | 25 | 9 | 0.0039 |
| 24.1 | 33 | 10 | 0.0039 | 14 | 20 | 7 | 13 | 0.0039 | | | | | | | | |
| 24.1 | 34 | 10 | 0.0039 | 14 | 20 | 15 | 17 | 0.0039 | | | | | | | | |
| 25.1 | 17 | 12 | 0.0039 | 14 | 20 | 15.3 | 18 | 0.0039 | | | | | | | | |
| 25.1 | 19 | 11 | 0.0039 | 14 | 20 | 16 | 16 | 0.0194 | | | | | | | | |
| 25.1 | 20 | 10 | 0.0039 | 14 | 20 | 16 | 17 | 0.0078 | | | | | | | | |
| 25.1 | 20 | 12 | 0.0078 | 14 | 20 | 16 | 15 | 0.0039 | | | | | | | | |
| 25.1 | 21 | 10 | 0.0078 | 14 | 20 | 16 | 18 | 0.0078 | | | | | | | | |
| 25.1 | 23 | 9 | 0.0039 | 14 | 20 | 17 | 17 | 0.0155 | | | | | | | | |
| 25.1 | 24 | 11 | 0.0039 | 14 | 20 | 17.3 | 17 | 0.0039 | | | | | | | | |
| 25.1 | 25 | 10 | 0.0078 | 14 | 20 | 18 | 16 | 0.0116 | | | | | | | | |
| 25.1 | 25 | 12 | 0.0039 | 14 | 20 | 18 | 17 | 0.0116 | | | | | | | | |
| 25.1 | 26 | 10 | 0.0039 | 14 | 20 | 18 | 18 | 0.0039 | | | | | | | | |
| 25.1 | 26 | 11 | 0.0078 | 14 | 20 | 19 | 16 | 0.0039 | | | | | | | | |
| 25.1 | 27 | 10 | 0.0039 | 14 | 20 | 19 | 19 | 0.0078 | | | | | | | | |
| 25.1 | 27 | 11 | 0.0078 | 14 | 20 | 19 | 18 | 0.0039 | | | | | | | | |
| 25.1 | 27 | 12 | 0.0039 | 14 | 20 | 20 | 17 | 0.0039 | | | | | | | | |
| 25.1 | 28 | 11 | 0.0078 | 14 | 21 | 15 | 18 | 0.0039 | | | | | | | | |
| 25.1 | 29 | 11 | 0.0078 | 14 | 21 | 16 | 15 | 0.0039 | | | | | | | | |
| 25.1 | 29 | 12 | 0.0039 | 14 | 21 | 16 | 16 | 0.0194 | | | | | | | | |
| 25.1 | 30 | 11 | 0.0039 | 14 | 21 | 16 | 17 | 0.0116 | | | | | | | | |
| 25.1 | 30 | 12 | 0.0039 | 14 | 21 | 17 | 16 | 0.0078 | | | | | | | | |
| 25.1 | 33 | 11 | 0.0039 | 14 | 21 | 17 | 17 | 0.0116 | | | | | | | | |
| 26 | 27 | 12 | 0.0039 | 14 | 21 | 18 | 18 | 0.0039 | | | | | | | | |
| 26.1 | 20 | 10 | 0.0039 | 14 | 21 | 18 | 16 | 0.0078 | | | | | | | | |
| 26.1 | 20 | 11 | 0.0039 | 14 | 21 | 19 | 17 | 0.0039 | | | | | | | | |
| 26.1 | 21 | 10 | 0.0039 | 14 | 22 | 16 | 16 | 0.0039 | | | | | | | | |
| 26.1 | 21 | 11 | 0.0039 | 14 | 22 | 18 | 16 | 0.0078 | | | | | | | | |
| 26.1 | 22 | 10 | 0.0155 | 14 | 22 | 18 | 17 | 0.0078 | | | | | | | | |
| 26.1 | 22 | 11 | 0.0039 | 14 | 22 | 18 | 18 | 0.0039 | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|
| 26.1 | 23 | 13 | 0.0039 | 14 | 22 | 19 | 16 | 0.0039 |
| 26.1 | 24 | 11 | 0.0039 | 14 | 22 | 19 | 17 | 0.0078 |
| 26.1 | 25 | 11 | 0.0116 | 14 | 22 | 21 | 17 | 0.0039 |
| 26.1 | 26 | 10 | 0.0078 | 15 | 16 | 15 | 16 | 0.0039 |
| 26.1 | 26 | 12 | 0.0039 | 15 | 17 | 15 | 17 | 0.0039 |
| 26.1 | 27 | 11 | 0.0155 | 15 | 17 | 16 | 17 | 0.0039 |
| 26.1 | 27 | 12 | 0.0039 | 15 | 18 | 16 | 16 | 0.0078 |
| 26.1 | 27 | 13 | 0.0039 | 15 | 18 | 16 | 17 | 0.0078 |
| 26.1 | 28 | 11 | 0.0116 | 15 | 18 | 17 | 18 | 0.0039 |
| 26.1 | 29 | 9 | 0.0039 | 15 | 18 | 17 | 17 | 0.0039 |
| 26.1 | 29 | 10 | 0.0039 | 15 | 18 | 18 | 17 | 0.0039 |
| 26.1 | 29 | 11 | 0.0039 | 15 | 19 | 15 | 16 | 0.0039 |
| 26.1 | 29 | 13 | 0.0039 | 15 | 19 | 16 | 18 | 0.0039 |
| 26.1 | 30 | 12 | 0.0078 | 15 | 19 | 19 | 18 | 0.0039 |
| 26.1 | 32 | 11 | 0.0039 | 15 | 20 | 17 | 16 | 0.0039 |
| 27.1 | 17 | 12 | 0.0078 | 15 | 20 | 17 | 17 | 0.0039 |
| 27.1 | 18 | 13 | 0.0039 | 15 | 20 | 18 | 18 | 0.0039 |
| 27.1 | 20 | 9 | 0.0039 | 15 | 20 | 18 | 17 | 0.0039 |
| 27.1 | 20 | 10 | 0.0039 | 15 | 20 | 19 | 17 | 0.0155 |
| 27.1 | 21 | 11 | 0.0078 | 15 | 20 | 19 | 18 | 0.0039 |
| 27.1 | 21 | 14 | 0.0039 | 15 | 20 | 20 | 17 | 0.0039 |
| 27.1 | 22 | 10 | 0.0039 | 15 | 21 | 15 | 17 | 0.0039 |
| 27.1 | 22 | 12 | 0.0039 | 15 | 21 | 16 | 17 | 0.0039 |
| 27.1 | 23 | 11 | 0.0039 | 15 | 21 | 17 | 18 | 0.0039 |
| 27.1 | 24 | 9 | 0.0039 | 15 | 21 | 17 | 16 | 0.0039 |
| 27.1 | 24 | 10 | 0.0039 | 15 | 21 | 18 | 17 | 0.0078 |
| 27.1 | 24 | 13 | 0.0078 | 15 | 21 | 19 | 18 | 0.0039 |
| 27.1 | 25 | 10 | 0.0039 | 15 | 22 | 19 | 17 | 0.0039 |
| 27.1 | 26 | 11 | 0.0078 | 16 | 17 | 16 | 16 | 0.0039 |
| 27.1 | 26 | 12 | 0.0039 | 16 | 17 | 16 | 17 | 0.0039 |
| 27.1 | 27 | 11 | 0.0116 | 16 | 18 | 16 | 16 | 0.0039 |
| 27.1 | 28 | 10 | 0.0039 | 16 | 18 | 16 | 19 | 0.0039 |
| 27.1 | 28 | 11 | 0.0078 | 16 | 19 | 15 | 17 | 0.0039 |
| 27.1 | 28 | 12 | 0.0039 | 16 | 20 | 16 | 20 | 0.0039 |
| 27.1 | 29 | 12 | 0.0039 | 16 | 22 | 18 | 17 | 0.0039 |
| 27.1 | 30 | 11 | 0.0039 | | | | | |
| 27.1 | 32 | 11 | 0.0039 | | | | | |

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|---|---|---|---|---|---|
| 27.1 | 37 | 11 | 0.0039 | | |
| 28.1 | 20 | 11 | 0.0039 | | |
| 28.1 | 21 | 11 | 0.0039 | | |
| 28.1 | 22 | 10 | 0.0039 | | |
| 28.1 | 22 | 11 | 0.0039 | | |
| 28.1 | 23 | 10 | 0.0078 | | |
| 28.1 | 23 | 11 | 0.0039 | | |
| 28.1 | 23 | 12 | 0.0039 | | |
| 28.1 | 27 | 11 | 0.0116 | | |
| 28.1 | 29 | 10 | 0.0039 | | |
| 28.1 | 31 | 11 | 0.0039 | | |
| 28.1 | 35 | 11 | 0.0039 | | |
| 29.1 | 20 | 12 | 0.0039 | | |
| 29.1 | 22 | 9 | 0.0039 | | |
| 29.1 | 25 | 13 | 0.0039 | | |
| 31.1 | 29 | 12 | 0.0039 | | |

**Supplementary Table S16. Haplotype frequencies observed among the Sri Lankan Tamil male population for the four clusters of linked loci**

| Cluster I | | | | Cluster II | | | | | Cluster III | | | | Cluster IV | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DXS 10148 | DXS 10135 | DXS 8378 | Freq. | DXS 7132 | DXS 10079 | DXS 10074 | DXS 10075 | Freq. | DXS 6801 | DXS 6809 | DXS 6789 | Freq. | DXS 7424 | DXS 101 | DXS 7133 | Freq. |
| 17 | 22 | 10 | 0.0130 | 12 | 17 | 8 | 17 | 0.0130 | 8 | 34 | 16 | 0.0130 | 11 | 22 | 9 | 0.0130 |
| 17 | 22 | 12 | 0.0130 | 12 | 18 | 7 | 13 | 0.0130 | 10 | 30 | 16 | 0.0130 | 11 | 23 | 9 | 0.0130 |
| 17 | 29 | 11 | 0.0130 | 12 | 18 | 18 | 18 | 0.0130 | 10 | 32 | 15 | 0.0130 | 11 | 23 | 10 | 0.0260 |
| 18 | 22 | 12 | 0.0260 | 12 | 19 | 7 | 13 | 0.0130 | 10 | 32 | 16 | 0.0130 | 11 | 24 | 9 | 0.0130 |
| 18 | 25 | 10 | 0.0130 | 12 | 19 | 20 | 17 | 0.0130 | 10 | 33 | 15 | 0.0519 | 11 | 24 | 11 | 0.0130 |
| 18 | 25 | 11 | 0.0130 | 12 | 20 | 15 | 16 | 0.0130 | 10 | 33 | 20 | 0.0260 | 11 | 25 | 9 | 0.0130 |
| 18 | 27 | 11 | 0.0260 | 12 | 20 | 17 | 17 | 0.0130 | 10 | 33 | 21 | 0.0260 | 11 | 25 | 11 | 0.0130 |
| 18 | 28 | 10 | 0.0130 | 13 | 15 | 16 | 16 | 0.0130 | 10 | 34 | 14 | 0.0130 | 11 | 26 | 9 | 0.0130 |
| 18 | 30 | 12 | 0.0130 | 13 | 16 | 15 | 17 | 0.0130 | 10 | 34 | 15 | 0.0260 | 11 | 26 | 10 | 0.0260 |
| 18 | 30 | 13 | 0.0130 | 13 | 17 | 16 | 17 | 0.0130 | 10 | 34 | 16 | 0.0130 | 11 | 27 | 9 | 0.0130 |
| 18 | 31 | 11 | 0.0130 | 13 | 17 | 17 | 16 | 0.0130 | 10 | 35 | 20 | 0.0130 | 12 | 26 | 9 | 0.0130 |
| 18 | 32 | 12 | 0.0130 | 13 | 18 | 18 | 17 | 0.0130 | 10 | 36 | 16 | 0.0130 | 13 | 18 | 11 | 0.0130 |
| 18 | 32 | 14 | 0.0130 | 13 | 19 | 16 | 18 | 0.0260 | 10 | 36 | 20 | 0.0130 | 13 | 21 | 8 | 0.0130 |
| 18 | 37 | 12 | 0.0130 | 13 | 19 | 17 | 16 | 0.0130 | 10 | 37 | 20 | 0.0130 | 13 | 23 | 8 | 0.0130 |
| 19 | 19 | 10 | 0.0130 | 13 | 19 | 18 | 17 | 0.0260 | 11 | 29 | 21 | 0.0130 | 13 | 23 | 10 | 0.0130 |
| 19 | 21.1 | 11 | 0.0130 | 13 | 19 | 19 | 18 | 0.0130 | 11 | 31 | 15 | 0.0130 | 13 | 24 | 9 | 0.0390 |
| 19 | 23 | 9 | 0.0130 | 13 | 20 | 16 | 17 | 0.0130 | 11 | 31 | 21 | 0.0130 | 13 | 24 | 10 | 0.0130 |
| 20 | 22 | 11 | 0.0130 | 13 | 21 | 7 | 14 | 0.0130 | 11 | 31 | 22 | 0.0130 | 13 | 24 | 11 | 0.0260 |
| 20 | 25 | 10 | 0.0130 | 13 | 21 | 17 | 16 | 0.0130 | 11 | 32 | 15 | 0.0130 | 13 | 24 | 12 | 0.0130 |
| 20 | 26 | 11 | 0.0130 | 13 | 21 | 18 | 18 | 0.0130 | 11 | 32 | 16 | 0.0130 | 13 | 25 | 9 | 0.0390 |
| 20 | 30 | 11 | 0.0130 | 14 | 18 | 15 | 17 | 0.0130 | 11 | 32 | 20 | 0.0260 | 13 | 25 | 10 | 0.0130 |
| 21 | 31 | 11 | 0.0130 | 14 | 18 | 16 | 17 | 0.0130 | 11 | 32 | 21 | 0.0130 | 13 | 25 | 11 | 0.0130 |
| 21.1 | 21 | 10 | 0.0130 | 14 | 18 | 18 | 16 | 0.0130 | 11 | 33 | 14 | 0.0130 | 13 | 25 | 14 | 0.0130 |
| 22 | 28 | 11 | 0.0130 | 14 | 18 | 18 | 17 | 0.0130 | 11 | 33 | 15 | 0.0260 | 13 | 26 | 10 | 0.0130 |
| 23.1 | 17 | 11 | 0.0130 | 14 | 18 | 19 | 17 | 0.0130 | 11 | 33 | 16 | 0.0260 | 13 | 27 | 9 | 0.0130 |
| 23.1 | 18 | 11 | 0.0130 | 14 | 19 | 16 | 17 | 0.0260 | 11 | 33 | 20 | 0.0130 | 13 | 27 | 10 | 0.0130 |
| 23.1 | 22 | 9 | 0.0130 | 14 | 19 | 17 | 17 | 0.0390 | 11 | 33 | 22 | 0.0130 | 13 | 28 | 9 | 0.0130 |
| 23.1 | 25 | 10 | 0.0130 | 14 | 19 | 17 | 18 | 0.0130 | 11 | 34 | 15 | 0.0260 | 14 | 21 | 8 | 0.0130 |
| 23.1 | 26 | 12 | 0.0130 | 14 | 19 | 18 | 19 | 0.0130 | 11 | 34 | 16 | 0.0130 | 14 | 23 | 10 | 0.0130 |
| 23.1 | 29 | 10 | 0.0130 | 14 | 20 | 15 | 18 | 0.0130 | 11 | 34 | 20 | 0.0130 | 14 | 23 | 11 | 0.0130 |
| 24.1 | 17 | 11 | 0.0130 | 14 | 20 | 16 | 17 | 0.0130 | 11 | 34 | 21 | 0.0130 | 14 | 24 | 9 | 0.0390 |
| 24.1 | 18 | 12 | 0.0130 | 14 | 20 | 17 | 17 | 0.0390 | 11 | 34 | 22 | 0.0130 | 14 | 24 | 10 | 0.0130 |
| 24.1 | 22 | 12 | 0.0130 | 14 | 20 | 17 | 18 | 0.0130 | 11 | 34 | 23 | 0.0130 | 14 | 25 | 9 | 0.0649 |
| 24.1 | 25 | 12 | 0.0130 | 14 | 20 | 18 | 16 | 0.0260 | 11 | 35 | 14 | 0.0130 | 14 | 25 | 10 | 0.0130 |
| 24.1 | 38 | 14 | 0.0130 | 14 | 20 | 19 | 16 | 0.0130 | 11 | 35 | 21 | 0.0130 | 14 | 25 | 13 | 0.0130 |
| 25.1 | 16 | 11 | 0.0130 | 14 | 21 | 15 | 16 | 0.0130 | 11 | 35 | 23 | 0.0130 | 14 | 26 | 9 | 0.0130 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25.1 | 19 | 11 | 0.0130 | 14 | 21 | 17 | 16 | 0.0260 | 11 | 36 | 15 | 0.0130 | 14 | 26 | 10 | 0.0130 |
| 25.1 | 20 | 10 | 0.0130 | 14 | 21 | 18 | 17 | 0.0519 | 11 | 36 | 21 | 0.0130 | 14 | 27 | 9 | 0.0260 |
| 25.1 | 20 | 12 | 0.0260 | 14 | 21 | 18 | 18 | 0.0130 | 12 | 28 | 20 | 0.0130 | 14 | 28 | 9 | 0.0130 |
| 25.1 | 22 | 11 | 0.0130 | 14 | 21 | 19 | 16 | 0.0130 | 12 | 31 | 19 | 0.0130 | 15 | 15 | 14 | 0.0130 |
| 25.1 | 24 | 11 | 0.0390 | 14 | 22 | 16 | 18 | 0.0130 | 12 | 31 | 20 | 0.0130 | 15 | 19 | 9 | 0.0130 |
| 25.1 | 25 | 11 | 0.0130 | 14 | 22 | 18 | 17 | 0.0130 | 12 | 32 | 15 | 0.0519 | 15 | 23 | 9 | 0.0260 |
| 25.1 | 25 | 14 | 0.0130 | 14 | 22 | 19 | 16 | 0.0130 | 12 | 33 | 15 | 0.0260 | 15 | 23 | 10 | 0.0130 |
| 25.1 | 31 | 12 | 0.0130 | 14 | 23 | 16 | 17 | 0.0130 | 12 | 33 | 16 | 0.0130 | 15 | 23 | 11 | 0.0130 |
| 25.1 | 32 | 11 | 0.0130 | 15 | 15 | 16 | 16 | 0.0130 | 12 | 33 | 17 | 0.0130 | 15 | 24 | 9 | 0.0260 |
| 26 | 21 | 11 | 0.0130 | 15 | 16 | 15 | 17 | 0.0130 | 12 | 34 | 15 | 0.0390 | 15 | 24 | 11 | 0.0130 |
| 26.1 | 17 | 12 | 0.0130 | 15 | 17 | 16 | 17 | 0.0130 | 12 | 34 | 20 | 0.0130 | 15 | 25 | 9 | 0.0260 |
| 26.1 | 18 | 10 | 0.0130 | 15 | 17 | 17 | 16 | 0.0130 | 12 | 34 | 21 | 0.0260 | 15 | 25 | 11 | 0.0130 |
| 26.1 | 18 | 12 | 0.0130 | 15 | 17 | 18 | 16 | 0.0130 | 12 | 35 | 16 | 0.0130 | 15 | 26 | 9 | 0.0519 |
| 26.1 | 19 | 11 | 0.0130 | 15 | 18 | 17 | 17 | 0.0130 | 12 | 35 | 20 | 0.0260 | 15 | 26 | 11 | 0.0130 |
| 26.1 | 20 | 9 | 0.0130 | 15 | 19 | 16 | 16 | 0.0130 | 13 | 31 | 16 | 0.0130 | 15 | 27 | 9 | 0.0260 |
| 26.1 | 20 | 10 | 0.0130 | 15 | 19 | 16 | 17 | 0.0260 | 13 | 32 | 15 | 0.0260 | 15 | 28 | 10 | 0.0130 |
| 26.1 | 23 | 10 | 0.0130 | 15 | 19 | 16 | 18 | 0.0130 | 13 | 33 | 15 | 0.0260 | 16 | 15 | 10 | 0.0130 |
| 26.1 | 24 | 11 | 0.0130 | 15 | 19 | 17 | 18 | 0.0130 | 13 | 33 | 16 | 0.0130 | 16 | 22 | 11 | 0.0130 |
| 26.1 | 25 | 11 | 0.0130 | 15 | 20 | 15 | 17 | 0.0130 | 13 | 34 | 20 | 0.0130 | 16 | 25 | 9 | 0.0130 |
| 26.1 | 27 | 11 | 0.0260 | 15 | 20 | 16 | 17 | 0.0260 | 13 | 35 | 20 | 0.0130 | 16 | 28 | 11 | 0.0130 |
| 26.1 | 27 | 12 | 0.0130 | 15 | 20 | 17 | 17 | 0.0130 | 13 | 35 | 22 | 0.0130 | | | | |
| 26.1 | 29 | 11 | 0.0130 | 15 | 20 | 18 | 17 | 0.0130 | | | | | | | | |
| 26.1 | 30 | 12 | 0.0130 | 15 | 21 | 18 | 16 | 0.0130 | | | | | | | | |
| 27.1 | 17 | 12 | 0.0130 | 16 | 19 | 18 | 17 | 0.0130 | | | | | | | | |
| 27.1 | 21 | 12 | 0.0130 | 16 | 19 | 19 | 17 | 0.0130 | | | | | | | | |
| 27.1 | 22.1 | 10 | 0.0130 | 16 | 20 | 15 | 17 | 0.0130 | | | | | | | | |
| 27.1 | 28 | 11 | 0.0130 | 16 | 21 | 18 | 17 | 0.0130 | | | | | | | | |
| 27.1 | 29 | 11 | 0.0130 | | | | | | | | | | | | | |
| 27.1 | 32 | 10 | 0.0130 | | | | | | | | | | | | | |
| 27.1 | 32 | 11 | 0.0130 | | | | | | | | | | | | | |
| 28.1 | 24 | 10 | 0.0130 | | | | | | | | | | | | | |
| 28.1 | 24 | 11 | 0.0260 | | | | | | | | | | | | | |
| 30.1 | 19 | 12 | 0.0130 | | | | | | | | | | | | | |
| 30.1 | 24 | 12 | 0.0130 | | | | | | | | | | | | | |

## Supplementary Table S17. Haplotype frequencies observed among the Indian Tamil male population for the four clusters of linked loci

| Cluster I | | | | Cluster II | | | | | Cluster III | | | | Cluster IV | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DXS 10148 | DXS 10135 | DXS 8378 | Freq. | DXS 7132 | DXS 10079 | DXS 10074 | DXS 10075 | Freq. | DXS 6801 | DXS 6809 | DXS 6789 | Freq. | DXS 7424 | DXS 101 | DXS 7133 | Freq. |
| 17 | 20 | 10 | 0.0159 | 11 | 19 | 7 | 13 | 0.0159 | 9 | 33 | 20 | 0.0159 | 11 | 23 | 10 | 0.0159 |
| 17 | 30 | 13 | 0.0159 | 11 | 20 | 17 | 17 | 0.0159 | 10 | 30 | 20 | 0.0159 | 11 | 24 | 10 | 0.0159 |
| 17 | 34 | 12 | 0.0159 | 12 | 18 | 7 | 13 | 0.0317 | 10 | 31 | 15 | 0.0317 | 12 | 24 | 9 | 0.0159 |
| 18 | 20 | 9 | 0.0159 | 12 | 18 | 18 | 17 | 0.0159 | 10 | 31 | 16 | 0.0159 | 12 | 25 | 9 | 0.0159 |
| 18 | 26 | 11 | 0.0159 | 12 | 19 | 17 | 16 | 0.0159 | 10 | 31 | 18 | 0.0159 | 13 | 23 | 11 | 0.0159 |
| 18 | 27 | 11 | 0.0317 | 12 | 20 | 17 | 17 | 0.0159 | 10 | 31 | 23 | 0.0159 | 13 | 24 | 8 | 0.0159 |
| 18 | 29 | 11 | 0.0159 | 12 | 20 | 19 | 17 | 0.0159 | 10 | 32 | 16 | 0.0159 | 13 | 24 | 9 | 0.0317 |
| 18 | 31 | 11 | 0.0159 | 12 | 22 | 19 | 17 | 0.0159 | 10 | 32 | 20 | 0.0317 | 13 | 24 | 10 | 0.0159 |
| 18 | 32 | 11 | 0.0159 | 12 | 23 | 18 | 19 | 0.0159 | 10 | 33 | 21 | 0.0317 | 13 | 24 | 11 | 0.0476 |
| 18 | 38 | 13 | 0.0159 | 13 | 17 | 18 | 16 | 0.0159 | 10 | 33 | 22 | 0.0159 | 13 | 25 | 10 | 0.0159 |
| 19 | 24 | 11 | 0.0159 | 13 | 18 | 7 | 13 | 0.0159 | 10 | 34 | 20 | 0.0317 | 13 | 25 | 11 | 0.0159 |
| 19 | 28 | 10 | 0.0159 | 13 | 18 | 15 | 18 | 0.0159 | 10 | 35 | 15 | 0.0476 | 13 | 26 | 9 | 0.0159 |
| 19 | 33 | 11 | 0.0159 | 13 | 18 | 17 | 17 | 0.0159 | 10 | 35 | 20 | 0.0159 | 13 | 26 | 10 | 0.0317 |
| 20 | 19 | 11 | 0.0159 | 13 | 18 | 17 | 18 | 0.0159 | 10 | 35 | 21 | 0.0159 | 13 | 28 | 9 | 0.0159 |
| 20 | 20 | 9 | 0.0159 | 13 | 18 | 18 | 17 | 0.0159 | 11 | 28 | 15 | 0.0159 | 13 | 28 | 10 | 0.0159 |
| 20 | 20 | 10 | 0.0159 | 13 | 19 | 14 | 17 | 0.0159 | 11 | 30 | 15 | 0.0317 | 14 | 21 | 9 | 0.0159 |
| 20 | 26 | 11 | 0.0317 | 13 | 19 | 16 | 17 | 0.0317 | 11 | 31 | 15 | 0.0317 | 14 | 22 | 9 | 0.0159 |
| 20 | 27 | 10 | 0.0159 | 13 | 19 | 17 | 17 | 0.0159 | 11 | 31 | 20 | 0.0159 | 14 | 23 | 9 | 0.0159 |
| 21 | 19 | 10 | 0.0159 | 13 | 20 | 15 | 17 | 0.0159 | 11 | 32 | 21 | 0.0159 | 14 | 23 | 11 | 0.0159 |
| 21 | 34 | 12 | 0.0159 | 13 | 20 | 17 | 18 | 0.0159 | 11 | 32 | 22 | 0.0159 | 14 | 24 | 9 | 0.0159 |
| 21.1 | 22 | 11 | 0.0159 | 13 | 20 | 18 | 18 | 0.0159 | 11 | 33 | 14 | 0.0159 | 14 | 24 | 11 | 0.0317 |
| 22 | 25 | 10 | 0.0159 | 13 | 22 | 12 | 16 | 0.0159 | 11 | 33 | 15 | 0.0159 | 14 | 25 | 9 | 0.0159 |
| 22.1 | 30 | 12 | 0.0159 | 13 | 22 | 15 | 17 | 0.0159 | 11 | 33 | 16 | 0.0476 | 14 | 25 | 12 | 0.0159 |
| 23.1 | 18 | 11 | 0.0159 | 14 | 16 | 18 | 16 | 0.0159 | 11 | 33 | 18 | 0.0159 | 14 | 26 | 9 | 0.0159 |
| 23.1 | 25 | 10 | 0.0159 | 14 | 18 | 18 | 18 | 0.0159 | 11 | 33 | 20 | 0.0476 | 14 | 26 | 10 | 0.0159 |
| 23.1 | 33 | 11 | 0.0159 | 14 | 18 | 19 | 18 | 0.0159 | 11 | 33 | 21 | 0.0317 | 14 | 26 | 11 | 0.0317 |
| 24.1 | 21 | 11 | 0.0317 | 14 | 19 | 16 | 17 | 0.0476 | 11 | 34 | 15 | 0.0317 | 14 | 27 | 9 | 0.0159 |
| 24.1 | 23 | 11 | 0.0159 | 14 | 19 | 16 | 18 | 0.0159 | 11 | 34 | 21 | 0.0159 | 15 | 23 | 9 | 0.0476 |
| 24.1 | 24 | 12 | 0.0159 | 14 | 19 | 17 | 18 | 0.0159 | 11 | 34 | 22 | 0.0159 | 15 | 24 | 9 | 0.0317 |
| 24.1 | 26 | 10 | 0.0159 | 14 | 19 | 18 | 16 | 0.0159 | 11 | 35 | 20 | 0.0159 | 15 | 24 | 11 | 0.0317 |
| 24.1 | 26 | 11 | 0.0159 | 14 | 19 | 18 | 17 | 0.0159 | 11 | 36 | 20 | 0.0159 | 15 | 25 | 9 | 0.0159 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25.1 | 18 | 9 | 0.0159 | 14 | 19 | 19 | 17 | 0.0159 | 11 | 36 | 21 | 0.0159 | 15 | 25 | 10 | 0.0317 |
| 25.1 | 22 | 9 | 0.0159 | 14 | 20 | 16 | 17 | 0.0476 | 12 | 31 | 15 | 0.0159 | 15 | 25 | 11 | 0.0159 |
| 25.1 | 24 | 9 | 0.0159 | 14 | 20 | 17 | 16 | 0.0159 | 12 | 32 | 15 | 0.0159 | 15 | 25 | 12 | 0.0159 |
| 25.1 | 24 | 11 | 0.0317 | 14 | 20 | 17 | 17 | 0.0317 | 12 | 32 | 20 | 0.0159 | 15 | 26 | 8 | 0.0159 |
| 25.1 | 26 | 10 | 0.0159 | 14 | 20 | 18 | 17 | 0.0159 | 12 | 33 | 15 | 0.0159 | 15 | 26 | 9 | 0.0159 |
| 25.1 | 27 | 11 | 0.0159 | 14 | 20 | 19 | 17 | 0.0159 | 12 | 33 | 19 | 0.0159 | 15 | 26 | 11 | 0.0317 |
| 25.1 | 33 | 12 | 0.0159 | 14 | 21 | 15 | 18 | 0.0159 | 12 | 33 | 21 | 0.0159 | 15 | 27 | 9 | 0.0317 |
| 26.1 | 18 | 13 | 0.0159 | 14 | 21 | 18 | 17 | 0.0159 | 12 | 34 | 15 | 0.0159 | 15 | 28 | 9 | 0.0159 |
| 26.1 | 21 | 11 | 0.0159 | 14 | 21 | 19 | 17 | 0.0159 | 12 | 34 | 16 | 0.0159 | 16 | 18 | 9 | 0.0159 |
| 26.1 | 23 | 12 | 0.0159 | 15 | 15 | 18 | 18 | 0.0159 | 12 | 35 | 20 | 0.0635 | 16 | 23 | 9 | 0.0159 |
| 26.1 | 24 | 9 | 0.0159 | 15 | 17 | 18 | 16 | 0.0159 | 12 | 36 | 15 | 0.0159 | 16 | 24 | 9 | 0.0159 |
| 26.1 | 25 | 12 | 0.0317 | 15 | 18 | 7 | 13 | 0.0159 | 12 | 36 | 20 | 0.0159 | 16 | 24 | 12 | 0.0159 |
| 26.1 | 27 | 12 | 0.0159 | 15 | 18 | 17 | 17 | 0.0159 | 13 | 32 | 20 | 0.0159 | 16 | 27 | 10 | 0.0159 |
| 26.1 | 28 | 11 | 0.0159 | 15 | 19 | 8 | 15 | 0.0159 | 13 | 33 | 16 | 0.0159 | 16 | 28 | 10 | 0.0159 |
| 26.1 | 29 | 12 | 0.0159 | 15 | 19 | 16 | 16 | 0.0159 | 13 | 33 | 21 | 0.0159 | 16 | 28 | 11 | 0.0159 |
| 26.1 | 31 | 10 | 0.0159 | 15 | 19 | 16 | 17 | 0.0159 | | | | | 17 | 18 | 9 | 0.0159 |
| 27.1 | 19 | 10 | 0.0159 | 15 | 19 | 20 | 17 | 0.0159 | | | | | 17 | 24 | 10 | 0.0159 |
| 27.1 | 20 | 11 | 0.0159 | 15 | 20 | 8 | 15 | 0.0159 | | | | | 18 | 19 | 9 | 0.0159 |
| 27.1 | 21 | 10 | 0.0159 | 15 | 20 | 16 | 18 | 0.0159 | | | | | 18 | 27 | 9 | 0.0159 |
| 27.1 | 26 | 11 | 0.0317 | 15 | 20 | 18 | 17 | 0.0159 | | | | | | | | |
| 27.1 | 28 | 9 | 0.0159 | 15 | 21 | 15 | 16 | 0.0159 | | | | | | | | |
| 27.1 | 30 | 11 | 0.0317 | 15 | 21 | 18 | 17 | 0.0159 | | | | | | | | |
| 28.1 | 24 | 10 | 0.0159 | 16 | 19 | 17 | 16 | 0.0159 | | | | | | | | |
| 28.1 | 30 | 11 | 0.0159 | 16 | 19 | 17 | 17 | 0.0159 | | | | | | | | |
| 29.1 | 32 | 11 | 0.0159 | 17 | 20 | 18 | 18 | 0.0159 | | | | | | | | |

## Supplementary Table S18. Haplotype frequencies observed among the Moor male population for the four clusters of linked loci

| Cluster I | | | | Cluster II | | | | | Cluster III | | | | Cluster IV | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DXS 10148 | DXS 10135 | DXS 8378 | Freq. | DXS 7132 | DXS 10079 | DXS 10074 | DXS 10075 | Freq. | DXS 6801 | DXS 6809 | DXS 6789 | Freq. | DXS 7424 | DXS 101 | DXS 7133 | Freq. |
| 18 | 22 | 10 | 0.0149 | 12 | 18 | 7 | 14 | 0.0149 | 9 | 31 | 22 | 0.0149 | 11 | 23 | 9 | 0.0149 |
| 18 | 22 | 11 | 0.0149 | 12 | 18 | 15 | 17 | 0.0149 | 10 | 30 | 15 | 0.0149 | 11 | 24 | 9 | 0.0299 |
| 18 | 22 | 12 | 0.0149 | 12 | 18 | 16 | 17 | 0.0149 | 10 | 31 | 20 | 0.0149 | 11 | 24 | 11 | 0.0149 |
| 18 | 24 | 10 | 0.0149 | 12 | 18 | 17 | 18 | 0.0149 | 10 | 32 | 15 | 0.0149 | 11 | 25 | 10 | 0.0149 |
| 18 | 27 | 11 | 0.0149 | 12 | 19 | 15 | 17 | 0.0149 | 10 | 33 | 15 | 0.0299 | 12 | 24 | 9 | 0.0299 |
| 18 | 28 | 11 | 0.0149 | 12 | 19 | 19 | 17 | 0.0149 | 10 | 33 | 20 | 0.0299 | 12 | 25 | 9 | 0.0149 |
| 18 | 29 | 10 | 0.0149 | 12 | 20 | 7 | 13 | 0.0149 | 10 | 33 | 22 | 0.0299 | 12 | 26 | 10 | 0.0149 |
| 18 | 29 | 12 | 0.0149 | 12 | 20 | 17 | 16 | 0.0149 | 10 | 34 | 15 | 0.0597 | 12 | 26 | 11 | 0.0149 |
| 18 | 31 | 11 | 0.0149 | 12 | 20 | 18 | 16 | 0.0149 | 10 | 34 | 16 | 0.0149 | 12 | 28 | 9 | 0.0149 |
| 18 | 35 | 12 | 0.0149 | 12 | 20 | 18 | 17 | 0.0149 | 10 | 34 | 20 | 0.0299 | 12 | 29 | 10 | 0.0299 |
| 19 | 23 | 11 | 0.0149 | 12 | 21 | 16 | 17 | 0.0149 | 10 | 34 | 21 | 0.0149 | 13 | 23 | 8 | 0.0149 |
| 19 | 27 | 11 | 0.0149 | 13 | 16 | 18 | 17 | 0.0299 | 10 | 34 | 22 | 0.0149 | 13 | 23 | 10 | 0.0149 |
| 19.1 | 29 | 12 | 0.0149 | 13 | 17 | 18 | 16 | 0.0149 | 10 | 35 | 15 | 0.0149 | 13 | 25 | 9 | 0.0448 |
| 20 | 18 | 10 | 0.0149 | 13 | 18 | 9 | 14 | 0.0149 | 10 | 37 | 15 | 0.0149 | 13 | 25 | 11 | 0.0149 |
| 20 | 21 | 11 | 0.0149 | 13 | 18 | 16 | 18 | 0.0149 | 11 | 29 | 21 | 0.0149 | 13 | 27 | 9 | 0.0149 |
| 20 | 23 | 11 | 0.0149 | 13 | 18 | 19 | 17 | 0.0149 | 11 | 31 | 15 | 0.0299 | 13 | 29 | 11 | 0.0149 |
| 20 | 25 | 10 | 0.0299 | 13 | 19 | 16 | 15 | 0.0149 | 11 | 31 | 16 | 0.0149 | 14 | 22 | 9 | 0.0149 |
| 20 | 26 | 13 | 0.0149 | 13 | 19 | 16 | 18 | 0.0149 | 11 | 31 | 20 | 0.0149 | 14 | 24 | 9 | 0.0149 |
| 20 | 28 | 10 | 0.0149 | 13 | 19 | 17 | 17 | 0.0149 | 11 | 31 | 21 | 0.0149 | 14 | 24 | 10 | 0.0149 |
| 20 | 29 | 10 | 0.0149 | 13 | 19 | 19 | 18 | 0.0149 | 11 | 32 | 16 | 0.0149 | 14 | 24 | 11 | 0.0149 |
| 20 | 29 | 11 | 0.0149 | 13 | 20 | 8 | 17 | 0.0149 | 11 | 32 | 20 | 0.0448 | 14 | 25 | 10 | 0.0149 |
| 20.1 | 19 | 12 | 0.0149 | 13 | 20 | 17 | 17 | 0.0149 | 11 | 32 | 21 | 0.0149 | 14 | 25 | 11 | 0.0448 |
| 21 | 21 | 11 | 0.0149 | 13 | 20 | 18 | 16 | 0.0299 | 11 | 33 | 15 | 0.0448 | 14 | 26 | 9 | 0.0149 |
| 21 | 22 | 11 | 0.0149 | 13 | 20 | 18 | 17 | 0.0149 | 11 | 33 | 16 | 0.0597 | 14 | 26 | 11 | 0.0149 |
| 21 | 29 | 11 | 0.0149 | 13 | 20 | 18 | 19 | 0.0149 | 11 | 33 | 20 | 0.0448 | 14 | 27 | 9 | 0.0299 |
| 23.1 | 27 | 11 | 0.0149 | 13 | 21 | 8 | 19 | 0.0149 | 11 | 33 | 21 | 0.0149 | 14 | 27 | 13 | 0.0149 |
| 24.1 | 18 | 10 | 0.0149 | 13 | 21 | 16 | 18 | 0.0149 | 11 | 34 | 16 | 0.0149 | 14 | 28 | 9 | 0.0149 |
| 24.1 | 27 | 12 | 0.0149 | 13 | 21 | 18 | 17 | 0.0149 | 11 | 34 | 22 | 0.0149 | 15 | 23 | 9 | 0.0299 |
| 24.1 | 31 | 11 | 0.0149 | 13 | 22 | 17 | 17 | 0.0149 | 11 | 34 | 23 | 0.0149 | 15 | 23 | 11 | 0.0299 |
| 25.1 | 17 | 11 | 0.0149 | 14 | 16 | 17 | 16 | 0.0149 | 12 | 29 | 19 | 0.0149 | 15 | 24 | 9 | 0.0149 |
| 25.1 | 22 | 9 | 0.0149 | 14 | 18 | 9 | 14 | 0.0149 | 12 | 30 | 20 | 0.0299 | 15 | 24 | 11 | 0.0597 |
| 25.1 | 22 | 12 | 0.0149 | 14 | 18 | 15 | 17 | 0.0149 | 12 | 31 | 15 | 0.0149 | 15 | 25 | 9 | 0.0149 |
| 25.1 | 23 | 10 | 0.0149 | 14 | 18 | 17 | 12 | 0.0149 | 12 | 32 | 20 | 0.0149 | 15 | 25 | 11 | 0.0299 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 25.1 | 24 | 10 | 0.0149 | 14 | 18 | 18 | 12 | 0.0149 | 12 | 33 | 15 | 0.0149 | 15 | 27 | 9 | 0.0299 |
| 25.1 | 26 | 11 | 0.0149 | 14 | 18 | 19 | 17 | 0.0149 | 12 | 33 | 17 | 0.0149 | 15 | 27 | 11 | 0.0149 |
| 25.1 | 29 | 11 | 0.0149 | 14 | 19 | 15 | 17 | 0.0149 | 12 | 34 | 15 | 0.0149 | 15 | 28 | 11 | 0.0149 |
| 25.1 | 30 | 11 | 0.0149 | 14 | 19 | 16 | 18 | 0.0149 | 12 | 34 | 20 | 0.0299 | 16 | 18 | 10 | 0.0149 |
| 25.1 | 33 | 12 | 0.0149 | 14 | 19 | 17 | 18 | 0.0299 | 12 | 34 | 21 | 0.0149 | 16 | 19 | 9 | 0.0149 |
| 26.1 | 18 | 12 | 0.0149 | 14 | 20 | 16 | 16 | 0.0149 | 12 | 35 | 20 | 0.0149 | 16 | 23 | 10 | 0.0149 |
| 26.1 | 20 | 10 | 0.0149 | 14 | 20 | 16 | 18 | 0.0149 | 12 | 36 | 14 | 0.0149 | 16 | 23 | 11 | 0.0149 |
| 26.1 | 21 | 11 | 0.0149 | 14 | 20 | 17 | 18 | 0.0448 | 13 | 31 | 16 | 0.0149 | 16 | 24 | 9 | 0.0149 |
| 26.1 | 21 | 12 | 0.0149 | 14 | 21 | 15 | 17 | 0.0149 | 13 | 32 | 20 | 0.0149 | 16 | 25 | 9 | 0.0149 |
| 26.1 | 23 | 11 | 0.0149 | 14 | 21 | 18 | 16 | 0.0149 | 13 | 32 | 21 | 0.0149 | 16 | 25 | 10 | 0.0299 |
| 26.1 | 24 | 11 | 0.0149 | 14 | 21 | 19 | 16 | 0.0149 | 13 | 33 | 19 | 0.0149 | 16 | 26 | 9 | 0.0149 |
| 26.1 | 26 | 10 | 0.0149 | 14 | 22 | 16 | 17 | 0.0149 | 13 | 33 | 20 | 0.0149 | 16 | 28 | 9 | 0.0149 |
| 26.1 | 27 | 10 | 0.0149 | 14 | 22 | 17 | 18 | 0.0149 | 13 | 33 | 21 | 0.0149 | 16 | 29 | 11 | 0.0149 |
| 26.1 | 27 | 11 | 0.0299 | 14 | 22 | 19 | 18 | 0.0149 | 13 | 35 | 20 | 0.0149 | 17 | 24 | 9 | 0.0149 |
| 26.1 | 28 | 11 | 0.0149 | 15 | 17 | 17 | 18 | 0.0149 | 13 | 35 | 22 | 0.0149 | 17 | 24 | 10 | 0.0149 |
| 26.1 | 29 | 10 | 0.0149 | 15 | 18 | 16 | 18 | 0.0149 | | | | | 17 | 26 | 11 | 0.0149 |
| 26.1 | 29 | 12 | 0.0149 | 15 | 18 | 17 | 18 | 0.0149 | | | | | 17 | 26 | 13 | 0.0149 |
| 26.1 | 31 | 10 | 0.0448 | 15 | 18 | 18 | 17 | 0.0149 | | | | | 17 | 27 | 11 | 0.0149 |
| 26.1 | 31 | 11 | 0.0299 | 15 | 19 | 8 | 15 | 0.0149 | | | | | | | | |
| 26.1 | 34 | 11 | 0.0149 | 15 | 19 | 16 | 16 | 0.0149 | | | | | | | | |
| 27.1 | 21 | 13 | 0.0149 | 15 | 19 | 16 | 18 | 0.0149 | | | | | | | | |
| 27.1 | 25 | 13 | 0.0149 | 15 | 19 | 17 | 15 | 0.0149 | | | | | | | | |
| 28.1 | 21 | 12 | 0.0149 | 15 | 19 | 17 | 17 | 0.0149 | | | | | | | | |
| 28.1 | 21.1 | 10 | 0.0149 | 15 | 19 | 19 | 17 | 0.0149 | | | | | | | | |
| 28.1 | 22 | 12 | 0.0149 | 15 | 21 | 17 | 18 | 0.0149 | | | | | | | | |
| 28.1 | 28 | 11 | 0.0149 | 15 | 21 | 20 | 17 | 0.0149 | | | | | | | | |
| 28.1 | 28 | 12 | 0.0149 | 15 | 22 | 18 | 17 | 0.0149 | | | | | | | | |
| 29.1 | 21 | 11 | 0.0149 | 16 | 18 | 17 | 16 | 0.0149 | | | | | | | | |
| 29.1 | 30 | 11 | 0.0149 | 17 | 20 | 15 | 16 | 0.0149 | | | | | | | | |

**Supplementary Table S19. Forensic efficiency parameters for the four clusters**

Cluster I DXS10148-DXS10135-DXS8378

| Ethnicity | Sinhalese | SL Tamil | Indian Tamil | Moors |
|---|---|---|---|---|
| PIC | 0.9936 | 0.9840 | 0.9802 | 0.9821 |
| He: | 0.9936 | 0.9843 | 0.9806 | 0.9824 |
| PD female: | 0.9999 | 0.9995 | 0.9993 | 0.9994 |
| PD male: | 0.9936 | 0.9843 | 0.9806 | 0.9824 |
| MEC Krü: | 0.9924 | 0.9694 | 0.9619 | 0.9633 |
| MEC Des.trio: | 0.9936 | 0.9840 | 0.9802 | 0.9821 |
| MEC Des.duo: | 0.9873 | 0.9689 | 0.9616 | 0.9652 |

Cluster II DXS7132-DXS10079-DXS10074-DXS10075

| Ethnicity | Sinhalese | SL Tamil | Indian Tamil | Moors |
|---|---|---|---|---|
| PIC | 0.9922 | 0.9802 | 0.9792 | 0.9821 |
| He: | 0.9923 | 0.9806 | 0.9796 | 0.9824 |
| PD female: | 0.9999 | 0.9993 | 0.9992 | 0.9994 |
| PD male: | 0.9936 | 0.9806 | 0.9796 | 0.9824 |
| MEC Krü: | 0.9891 | 0.9619 | 0.9601 | 0.9633 |
| MEC Des.trio: | 0.9922 | 0.9802 | 0.9792 | 0.9821 |
| MEC Des.duo: | 0.9846 | 0.9616 | 0.9596 | 0.9652 |

Cluster III DXS6801-DXS6809-DXS6789

| Ethnicity | Sinhalese | SL Tamil | Indian Tamil | Moors |
|---|---|---|---|---|
| PIC | 0.9838 | 0.9774 | 0.9718 | 0.9719 |
| He: | 0.9840 | 0.9779 | 0.9725 | 0.9726 |
| PD female: | 0.9995 | 0.9990 | 0.9985 | 0.9985 |
| PD male: | 0.9840 | 0.9779 | 0.9725 | 0.9726 |
| MEC Krü: | 0.9703 | 0.9563 | 0.9452 | 0.9444 |
| MEC Des.trio: | 0.9838 | 0.9774 | 0.9718 | 0.9719 |
| MEC Des.duo: | 0.9685 | 0.9564 | 0.9460 | 0.9462 |

Cluster IV DXS7424-DXS101-DXS7133

| Ethnicity | Sinhalese | SL Tamil | Indian Tamil | Moors |
|---|---|---|---|---|
| PIC | 0.9841 | 0.9753 | 0.9760 | 0.9752 |
| He: | 0.9843 | 0.9759 | 0.9766 | 0.9757 |
| PD female: | 0.9995 | 0.9989 | 0.9989 | 0.9989 |
| PD male: | 0.9843 | 0.9759 | 0.9766 | 0.9757 |
| MEC Krü: | 0.9711 | 0.9523 | 0.9534 | 0.9506 |
| MEC Des.trio: | 0.9841 | 0.9753 | 0.9760 | 0.9752 |
| MEC Des.duo: | 0.9690 | 0.9525 | 0.9538 | 0.9522 |

PIC: polymorphism information content, He: expected heterozygosity, PD female: power of discrimination in females, PD male: power of discrimination in males, MEC Krü: mean exclusion chance Kruger, MEC Des.trio: mean exclusion chance Desmaris trio. MEC Des.duo: mean exclusion chance Desmaris duo

**Supplementary Table S20. Haplotype frequencies observed among the Sinhalese male population**

| DXS 7132 | DXS 10079 | DXS 10074 | Freq. | DXS 10079 | DXS 10074 | DXS 10075 | Freq. | DXS 7424 | DXS 101 | Freq |
|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 17 | 18 | 0.0039 | 13 | 17 | 18 | 0.0039 | 10 | 24 | 0.0078 |
| 11 | 19 | 16 | 0.0078 | 15 | 14 | 18 | 0.0039 | 11 | 23 | 0.0039 |
| 11 | 20 | 17 | 0.0039 | 15 | 16 | 16 | 0.0039 | 11 | 24 | 0.0388 |
| 11 | 21 | 16 | 0.0039 | 15 | 17 | 16 | 0.0039 | 11 | 26 | 0.0116 |
| 12 | 15 | 16 | 0.0039 | 15 | 17 | 18 | 0.0078 | 11 | 27 | 0.0155 |
| 12 | 16 | 16 | 0.0039 | 15 | 18 | 17 | 0.0039 | 11 | 28 | 0.0039 |
| 12 | 16 | 17 | 0.0039 | 15 | 19 | 18 | 0.0039 | 12 | 22 | 0.0155 |
| 12 | 17 | 15 | 0.0039 | 16 | 15 | 16 | 0.0078 | 12 | 23 | 0.0039 |
| 12 | 17 | 16 | 0.0039 | 16 | 16 | 16 | 0.0155 | 12 | 25 | 0.0155 |
| 12 | 18 | 7 | 0.0116 | 16 | 16 | 18 | 0.0078 | 12 | 26 | 0.0078 |
| 12 | 18 | 17 | 0.0116 | 16 | 17 | 17 | 0.0078 | 12 | 27 | 0.0039 |
| 12 | 19 | 7 | 0.0078 | 16 | 18 | 17 | 0.0039 | 12 | 28 | 0.0116 |
| 12 | 19 | 15 | 0.0116 | 17 | 15 | 17 | 0.0078 | 13 | 18 | 0.0039 |
| 12 | 19 | 16 | 0.0116 | 17 | 16 | 16 | 0.0078 | 13 | 20 | 0.0078 |
| 12 | 19 | 17 | 0.0039 | 17 | 16 | 17 | 0.0116 | 13 | 22 | 0.0078 |
| 12 | 19 | 18 | 0.0078 | 17 | 16 | 18 | 0.0039 | 13 | 23 | 0.0155 |
| 12 | 19 | 19 | 0.0039 | 17 | 17 | 17 | 0.0039 | 13 | 24 | 0.0969 |
| 12 | 20 | 15 | 0.0116 | 17 | 17 | 18 | 0.0039 | 13 | 25 | 0.0698 |
| 12 | 20 | 16 | 0.0039 | 17 | 18 | 16 | 0.0078 | 13 | 26 | 0.0271 |
| 12 | 20 | 17 | 0.0078 | 17 | 18 | 17 | 0.0039 | 13 | 27 | 0.0155 |
| 12 | 20 | 18 | 0.0116 | 17 | 20 | 16 | 0.0039 | 13 | 28 | 0.0078 |
| 12 | 21 | 15 | 0.0039 | 18 | 7 | 13 | 0.0116 | 13 | 30 | 0.0039 |
| 12 | 21 | 16 | 0.0039 | 18 | 15 | 16 | 0.0039 | 14 | 22 | 0.0078 |
| 12 | 21 | 19 | 0.0039 | 18 | 15 | 18 | 0.0039 | 14 | 23 | 0.0039 |
| 12 | 22 | 16 | 0.0039 | 18 | 16 | 16 | 0.0194 | 14 | 24 | 0.0426 |
| 13 | 15 | 14 | 0.0039 | 18 | 16 | 17 | 0.0233 | 14 | 25 | 0.0581 |
| 13 | 16 | 16 | 0.0116 | 18 | 16 | 18 | 0.0078 | 14 | 26 | 0.0233 |
| 13 | 17 | 17 | 0.0039 | 18 | 16 | 19 | 0.0039 | 14 | 27 | 0.0194 |
| 13 | 17 | 20 | 0.0039 | 18 | 17.1 | 17 | 0.0039 | 14 | 28 | 0.0194 |
| 13 | 18 | 15 | 0.0039 | 18 | 17 | 16 | 0.0078 | 14 | 29 | 0.0039 |
| 13 | 18 | 16 | 0.0233 | 18 | 17 | 17 | 0.0310 | 14 | 31 | 0.0039 |
| 13 | 18 | 17 | 0.0116 | 18 | 17 | 18 | 0.0078 | 15 | 18 | 0.0039 |
| 13 | 18 | 17.1 | 0.0039 | 18 | 18 | 17 | 0.0078 | 15 | 20 | 0.0039 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 18 | 18 | 0.0078 | 18 | 18 | 18 | 0.0078 | 15 | 22 | 0.0039 |
| 13 | 19 | 8 | 0.0039 | 18 | 19 | 19 | 0.0039 | 15 | 23 | 0.0194 |
| 13 | 19 | 9 | 0.0039 | 19 | 7 | 13 | 0.0078 | 15 | 24 | 0.0543 |
| 13 | 19 | 15 | 0.0116 | 19 | 8 | 16 | 0.0039 | 15 | 25 | 0.0426 |
| 13 | 19 | 16 | 0.0116 | 19 | 8 | 17 | 0.0039 | 15 | 26 | 0.0349 |
| 13 | 19 | 17 | 0.0155 | 19 | 9 | 16 | 0.0039 | 15 | 27 | 0.0271 |
| 13 | 19 | 18 | 0.0116 | 19 | 9 | 17 | 0.0039 | 15 | 28 | 0.0155 |
| 13 | 19 | 19 | 0.0078 | 19 | 15 | 16 | 0.0039 | 15 | 30 | 0.0039 |
| 13 | 20 | 8 | 0.0039 | 19 | 15 | 17 | 0.0194 | 16 | 18 | 0.0039 |
| 13 | 20 | 16 | 0.0155 | 19 | 15 | 18 | 0.0078 | 16 | 22 | 0.0078 |
| 13 | 20 | 17 | 0.0194 | 19 | 15 | 19 | 0.0039 | 16 | 24 | 0.0465 |
| 13 | 20 | 18 | 0.0388 | 19 | 16 | 15 | 0.0078 | 16 | 25 | 0.0349 |
| 13 | 20 | 19 | 0.0039 | 19 | 16 | 16 | 0.0078 | 16 | 26 | 0.0271 |
| 13 | 21 | 16 | 0.0039 | 19 | 16 | 17 | 0.0039 | 16 | 27 | 0.0233 |
| 13 | 21 | 17 | 0.0155 | 19 | 16 | 18 | 0.0155 | 16 | 28 | 0.0194 |
| 13 | 21 | 18 | 0.0078 | 19 | 16 | 19 | 0.0078 | 16 | 29 | 0.0039 |
| 13 | 21 | 19 | 0.0039 | 19 | 17 | 16 | 0.0039 | 17 | 15 | 0.0039 |
| 13 | 21 | 20 | 0.0039 | 19 | 17 | 17 | 0.0233 | 17 | 21 | 0.0078 |
| 13 | 22 | 16 | 0.0039 | 19 | 17 | 18 | 0.0155 | 17 | 22 | 0.0039 |
| 13 | 22 | 17 | 0.0078 | 19 | 18 | 16 | 0.0194 | 17 | 24 | 0.0155 |
| 13 | 22 | 19 | 0.0039 | 19 | 18 | 17 | 0.0271 | 17 | 26 | 0.0039 |
| 14 | 13 | 17 | 0.0039 | 19 | 18 | 18 | 0.0116 | 18 | 15 | 0.0039 |
| 14 | 15 | 17 | 0.0116 | 19 | 19 | 17 | 0.0194 | 18 | 25 | 0.0039 |
| 14 | 15 | 18 | 0.0039 | 19 | 19 | 18 | 0.0116 | 19 | 25 | 0.0039 |
| 14 | 15 | 19 | 0.0039 | 20 | 7 | 13 | 0.0039 | 10 | 24 | 0.0078 |
| 14 | 16 | 15 | 0.0039 | 20 | 8 | 18 | 0.0039 | 11 | 23 | 0.0039 |
| 14 | 16 | 16 | 0.0078 | 20 | 15.3 | 18 | 0.0039 | 11 | 24 | 0.0388 |
| 14 | 16 | 17 | 0.0039 | 20 | 15 | 16 | 0.0039 | 11 | 26 | 0.0116 |
| 14 | 16 | 18 | 0.0039 | 20 | 15 | 17 | 0.0078 | 11 | 27 | 0.0155 |
| 14 | 17 | 16 | 0.0078 | 20 | 15 | 18 | 0.0039 | 11 | 28 | 0.0039 |
| 14 | 17 | 17 | 0.0039 | 20 | 16 | 15 | 0.0039 | 12 | 22 | 0.0155 |
| 14 | 17 | 18 | 0.0078 | 20 | 16 | 16 | 0.0194 | 12 | 23 | 0.0039 |
| 14 | 18 | 15 | 0.0039 | 20 | 16 | 17 | 0.0194 | 12 | 25 | 0.0155 |
| 14 | 18 | 16 | 0.0078 | 20 | 16 | 18 | 0.0155 | 12 | 26 | 0.0078 |
| 14 | 18 | 17 | 0.0155 | 20 | 16 | 20 | 0.0039 | 12 | 27 | 0.0039 |
| 14 | 18 | 18 | 0.0039 | 20 | 17.3 | 17 | 0.0039 | 12 | 28 | 0.0116 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 18 | 19 | 0.0039 | 20 | 17 | 15 | 0.0039 | 13 | 18 | 0.0039 |
| 14 | 19 | 8 | 0.0039 | 20 | 17 | 16 | 0.0116 | 13 | 20 | 0.0078 |
| 14 | 19 | 9 | 0.0039 | 20 | 17 | 17 | 0.0310 | 13 | 22 | 0.0078 |
| 14 | 19 | 15 | 0.0039 | 20 | 17 | 18 | 0.0078 | 13 | 23 | 0.0155 |
| 14 | 19 | 16 | 0.0078 | 20 | 18 | 16 | 0.0194 | 13 | 24 | 0.0969 |
| 14 | 19 | 17 | 0.0233 | 20 | 18 | 17 | 0.0349 | 13 | 25 | 0.0698 |
| 14 | 19 | 18 | 0.0388 | 20 | 18 | 18 | 0.0271 | 13 | 26 | 0.0271 |
| 14 | 19 | 19 | 0.0155 | 20 | 18 | 19 | 0.0039 | 13 | 27 | 0.0155 |
| 14 | 20 | 7 | 0.0039 | 20 | 19 | 16 | 0.0078 | 13 | 28 | 0.0078 |
| 14 | 20 | 15 | 0.0039 | 20 | 19 | 17 | 0.0155 | 13 | 30 | 0.0039 |
| 14 | 20 | 15.3 | 0.0039 | 20 | 19 | 18 | 0.0078 | 14 | 22 | 0.0078 |
| 14 | 20 | 16 | 0.0388 | 20 | 19 | 19 | 0.0078 | 14 | 23 | 0.0039 |
| 14 | 20 | 17 | 0.0155 | 20 | 20 | 17 | 0.0078 | 14 | 24 | 0.0426 |
| 14 | 20 | 17.3 | 0.0039 | 21 | 15 | 17 | 0.0039 | 14 | 25 | 0.0581 |
| 14 | 20 | 18 | 0.0271 | 21 | 15 | 18 | 0.0078 | 14 | 26 | 0.0233 |
| 14 | 20 | 19 | 0.0155 | 21 | 16 | 15 | 0.0039 | 14 | 27 | 0.0194 |
| 14 | 20 | 20 | 0.0039 | 21 | 16 | 16 | 0.0271 | 14 | 28 | 0.0194 |
| 14 | 21 | 15 | 0.0039 | 21 | 16 | 17 | 0.0194 | 14 | 29 | 0.0039 |
| 14 | 21 | 16 | 0.0349 | 21 | 17 | 15 | 0.0039 | 14 | 31 | 0.0039 |
| 14 | 21 | 17 | 0.0194 | 21 | 17 | 16 | 0.0116 | 15 | 18 | 0.0039 |
| 14 | 21 | 18 | 0.0116 | 21 | 17 | 17 | 0.0194 | 15 | 20 | 0.0039 |
| 14 | 21 | 19 | 0.0039 | 21 | 17 | 18 | 0.0078 | 15 | 22 | 0.0039 |
| 14 | 22 | 16 | 0.0039 | 21 | 18 | 16 | 0.0116 | 15 | 23 | 0.0194 |
| 14 | 22 | 18 | 0.0194 | 21 | 18 | 17 | 0.0078 | 15 | 24 | 0.0543 |
| 14 | 22 | 19 | 0.0116 | 21 | 18 | 18 | 0.0078 | 15 | 25 | 0.0426 |
| 14 | 22 | 21 | 0.0039 | 21 | 19 | 16 | 0.0039 | 15 | 26 | 0.0349 |
| 15 | 16 | 15 | 0.0039 | 21 | 19 | 17 | 0.0039 | 15 | 27 | 0.0271 |
| 15 | 17 | 15 | 0.0039 | 21 | 19 | 18 | 0.0078 | 15 | 28 | 0.0155 |
| 15 | 17 | 16 | 0.0039 | 21 | 20 | 18 | 0.0039 | 15 | 30 | 0.0039 |
| 15 | 18 | 16 | 0.0155 | 22 | 16 | 16 | 0.0078 | 16 | 18 | 0.0039 |
| 15 | 18 | 17 | 0.0078 | 22 | 16 | 17 | 0.0039 | 16 | 22 | 0.0078 |
| 15 | 18 | 18 | 0.0039 | 22 | 17 | 17 | 0.0039 | 16 | 24 | 0.0465 |
| 15 | 19 | 15 | 0.0039 | 22 | 17 | 18 | 0.0039 | 16 | 25 | 0.0349 |
| 15 | 19 | 16 | 0.0039 | 22 | 18 | 16 | 0.0078 | 16 | 26 | 0.0271 |
| 15 | 19 | 19 | 0.0039 | 22 | 18 | 17 | 0.0116 | 16 | 27 | 0.0233 |
| 15 | 20 | 17 | 0.0078 | 22 | 18 | 18 | 0.0039 | 16 | 28 | 0.0194 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 15 | 20 | 18 | 0.0078 | 22 | 19 | 16 | 0.0039 | 16 | 29 | 0.0039 |
| 15 | 20 | 19 | 0.0194 | 22 | 19 | 17 | 0.0155 | 17 | 15 | 0.0039 |
| 15 | 20 | 20 | 0.0039 | 22 | 21 | 17 | 0.0039 | 17 | 21 | 0.0078 |
| 15 | 21 | 15 | 0.0039 | | | | | 17 | 22 | 0.0039 |
| 15 | 21 | 16 | 0.0039 | | | | | 17 | 24 | 0.0155 |
| 15 | 21 | 17 | 0.0078 | | | | | 17 | 26 | 0.0039 |
| 15 | 21 | 18 | 0.0078 | | | | | 18 | 15 | 0.0039 |
| 15 | 21 | 19 | 0.0039 | | | | | 19 | 25 | 0.0039 |
| 15 | 22 | 19 | 0.0039 | | | | | | | |
| 16 | 17 | 16 | 0.0078 | | | | | | | |
| 16 | 18 | 16 | 0.0078 | | | | | | | |
| 16 | 19 | 15 | 0.0039 | | | | | | | |
| 16 | 20 | 16 | 0.0039 | | | | | | | |
| 16 | 22 | 18 | 0.0039 | | | | | | | |

**Supplementary Table S21. Haplotype frequencies observed among the Sri Lankan Tamil male population**

| DXS 7132 | DXS 10079 | DXS 10074 | Freq. | DXS 10079 | DXS 10074 | DXS 10075 | Freq. | DXS 7424 | DXS 101 | Freq |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 17 | 8 | 0.0130 | 15 | 16 | 16 | 0.0260 | 11 | 22 | 0.0130 |
| 12 | 18 | 7 | 0.0130 | 16 | 15 | 17 | 0.0260 | 11 | 23 | 0.0390 |
| 12 | 18 | 18 | 0.0130 | 17 | 8 | 17 | 0.0130 | 11 | 24 | 0.0260 |
| 12 | 19 | 7 | 0.0130 | 17 | 16 | 17 | 0.0260 | 11 | 25 | 0.0260 |
| 12 | 19 | 20 | 0.0130 | 17 | 17 | 16 | 0.0260 | 11 | 26 | 0.0390 |
| 12 | 20 | 15 | 0.0130 | 17 | 18 | 16 | 0.0130 | 11 | 27 | 0.0130 |
| 12 | 20 | 17 | 0.0130 | 18 | 7 | 13 | 0.0130 | 12 | 26 | 0.0130 |
| 13 | 15 | 16 | 0.0130 | 18 | 15 | 17 | 0.0130 | 13 | 18 | 0.0130 |
| 13 | 16 | 15 | 0.0130 | 18 | 16 | 17 | 0.0130 | 13 | 21 | 0.0130 |
| 13 | 17 | 16 | 0.0130 | 18 | 17 | 17 | 0.0130 | 13 | 23 | 0.0260 |
| 13 | 17 | 17 | 0.0130 | 18 | 18 | 16 | 0.0130 | 13 | 24 | 0.0909 |
| 13 | 18 | 18 | 0.0130 | 18 | 18 | 17 | 0.0260 | 13 | 25 | 0.0779 |
| 13 | 19 | 16 | 0.0260 | 18 | 18 | 18 | 0.0130 | 13 | 26 | 0.0130 |
| 13 | 19 | 17 | 0.0130 | 18 | 19 | 17 | 0.0130 | 13 | 27 | 0.0260 |
| 13 | 19 | 18 | 0.0260 | 19 | 7 | 13 | 0.0130 | 13 | 28 | 0.0130 |
| 13 | 19 | 19 | 0.0130 | 19 | 16 | 16 | 0.0130 | 14 | 21 | 0.0130 |
| 13 | 20 | 16 | 0.0130 | 19 | 16 | 17 | 0.0519 | 14 | 23 | 0.0260 |
| 13 | 21 | 7 | 0.0130 | 19 | 16 | 18 | 0.0390 | 14 | 24 | 0.0519 |
| 13 | 21 | 17 | 0.0130 | 19 | 17 | 16 | 0.0130 | 14 | 25 | 0.0909 |
| 13 | 21 | 18 | 0.0130 | 19 | 17 | 17 | 0.0390 | 14 | 26 | 0.0260 |
| 14 | 18 | 15 | 0.0130 | 19 | 17 | 18 | 0.0260 | 14 | 27 | 0.0260 |
| 14 | 18 | 16 | 0.0130 | 19 | 18 | 17 | 0.0390 | 14 | 28 | 0.0130 |
| 14 | 18 | 18 | 0.0260 | 19 | 18 | 19 | 0.0130 | 15 | 15 | 0.0130 |
| 14 | 18 | 19 | 0.0130 | 19 | 19 | 17 | 0.0130 | 15 | 19 | 0.0130 |
| 14 | 19 | 16 | 0.0260 | 19 | 19 | 18 | 0.0130 | 15 | 23 | 0.0519 |
| 14 | 19 | 17 | 0.0520 | 19 | 20 | 17 | 0.0130 | 15 | 24 | 0.0390 |
| 14 | 19 | 18 | 0.0130 | 20 | 15 | 16 | 0.0130 | 15 | 25 | 0.0390 |
| 14 | 20 | 15 | 0.0130 | 20 | 15 | 17 | 0.0260 | 15 | 26 | 0.0649 |
| 14 | 20 | 16 | 0.0130 | 20 | 15 | 18 | 0.0130 | 15 | 27 | 0.0260 |
| 14 | 20 | 17 | 0.0520 | 20 | 16 | 17 | 0.0519 | 15 | 28 | 0.0130 |
| 14 | 20 | 18 | 0.0260 | 20 | 17 | 17 | 0.0649 | 16 | 15 | 0.0130 |
| 14 | 20 | 19 | 0.0130 | 20 | 17 | 18 | 0.0130 | 16 | 22 | 0.0130 |
| 14 | 21 | 15 | 0.0130 | 20 | 18 | 16 | 0.0260 | 16 | 25 | 0.0130 |

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|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 21 | 17 | 0.0260 | 20 | 18 | 17 | 0.0130 | 16 | 28 | 0.0130 |
| 14 | 21 | 18 | 0.0649 | 20 | 19 | 16 | 0.0130 | | | |
| 14 | 21 | 19 | 0.0130 | 21 | 7 | 14 | 0.0130 | | | |
| 14 | 22 | 16 | 0.0130 | 21 | 15 | 16 | 0.0130 | | | |
| 14 | 22 | 18 | 0.0130 | 21 | 17 | 16 | 0.0390 | | | |
| 14 | 22 | 19 | 0.0130 | 21 | 18 | 16 | 0.0130 | | | |
| 14 | 23 | 16 | 0.0130 | 21 | 18 | 17 | 0.0649 | | | |
| 15 | 15 | 16 | 0.0130 | 21 | 18 | 18 | 0.0260 | | | |
| 15 | 16 | 15 | 0.0130 | 21 | 19 | 16 | 0.0130 | | | |
| 15 | 17 | 16 | 0.0130 | 22 | 16 | 18 | 0.0130 | | | |
| 15 | 17 | 17 | 0.0130 | 22 | 18 | 17 | 0.0130 | | | |
| 15 | 17 | 18 | 0.0130 | 22 | 19 | 16 | 0.0130 | | | |
| 15 | 18 | 17 | 0.0130 | 23 | 16 | 17 | 0.0130 | | | |
| 15 | 19 | 16 | 0.0520 | | | | | | | |
| 15 | 19 | 17 | 0.0130 | | | | | | | |
| 15 | 20 | 15 | 0.0130 | | | | | | | |
| 15 | 20 | 16 | 0.0260 | | | | | | | |
| 15 | 20 | 17 | 0.0130 | | | | | | | |
| 15 | 20 | 18 | 0.0130 | | | | | | | |
| 15 | 21 | 18 | 0.0130 | | | | | | | |
| 16 | 19 | 18 | 0.0130 | | | | | | | |
| 16 | 19 | 19 | 0.0130 | | | | | | | |
| 16 | 20 | 15 | 0.0130 | | | | | | | |
| 16 | 21 | 18 | 0.0130 | | | | | | | |

**Supplementary Table S22. Haplotype frequencies observed among the Indian Tamil male population**

| DXS 7132 | DXS 10079 | DXS 10074 | Freq. | DXS 10079 | DXS 10074 | DXS 10075 | Freq. | DXS 7424 | DXS 101 | Freq |
|---|---|---|---|---|---|---|---|---|---|---|
| 11 | 19 | 7 | 0.0159 | 15 | 18 | 18 | 0.0159 | 11 | 23 | 0.0159 |
| 11 | 20 | 17 | 0.0159 | 16 | 18 | 16 | 0.0159 | 11 | 24 | 0.0159 |
| 12 | 18 | 7 | 0.0318 | 17 | 18 | 16 | 0.0317 | 12 | 24 | 0.0159 |
| 12 | 18 | 18 | 0.0159 | 18 | 7 | 13 | 0.0635 | 12 | 25 | 0.0159 |
| 12 | 19 | 17 | 0.0159 | 18 | 15 | 18 | 0.0159 | 13 | 23 | 0.0159 |
| 12 | 20 | 17 | 0.0159 | 18 | 17 | 17 | 0.0317 | 13 | 24 | 0.1111 |
| 12 | 20 | 19 | 0.0159 | 18 | 17 | 18 | 0.0159 | 13 | 25 | 0.0317 |
| 12 | 22 | 19 | 0.0159 | 18 | 18 | 17 | 0.0317 | 13 | 26 | 0.0476 |
| 12 | 23 | 18 | 0.0159 | 18 | 18 | 18 | 0.0159 | 13 | 28 | 0.0317 |
| 13 | 17 | 18 | 0.0159 | 18 | 19 | 18 | 0.0159 | 14 | 21 | 0.0159 |
| 13 | 18 | 7 | 0.0159 | 19 | 7 | 13 | 0.0159 | 14 | 22 | 0.0159 |
| 13 | 18 | 15 | 0.0159 | 19 | 8 | 15 | 0.0159 | 14 | 23 | 0.0317 |
| 13 | 18 | 17 | 0.0318 | 19 | 14 | 17 | 0.0159 | 14 | 24 | 0.0476 |
| 13 | 18 | 18 | 0.0159 | 19 | 16 | 16 | 0.0159 | 14 | 25 | 0.0317 |
| 13 | 19 | 14 | 0.0159 | 19 | 16 | 17 | 0.0952 | 14 | 26 | 0.0635 |
| 13 | 19 | 16 | 0.0318 | 19 | 16 | 18 | 0.0159 | 14 | 27 | 0.0159 |
| 13 | 19 | 17 | 0.0159 | 19 | 17 | 16 | 0.0317 | 15 | 23 | 0.0476 |
| 13 | 20 | 15 | 0.0159 | 19 | 17 | 17 | 0.0317 | 15 | 24 | 0.0635 |
| 13 | 20 | 17 | 0.0159 | 19 | 17 | 18 | 0.0159 | 15 | 25 | 0.0794 |
| 13 | 20 | 18 | 0.0159 | 19 | 18 | 16 | 0.0159 | 15 | 26 | 0.0635 |
| 13 | 22 | 12 | 0.0159 | 19 | 18 | 17 | 0.0159 | 15 | 27 | 0.0317 |
| 13 | 22 | 15 | 0.0159 | 19 | 19 | 17 | 0.0159 | 15 | 28 | 0.0159 |
| 14 | 16 | 18 | 0.0159 | 19 | 20 | 17 | 0.0159 | 16 | 18 | 0.0159 |
| 14 | 18 | 18 | 0.0159 | 20 | 8 | 15 | 0.0159 | 16 | 23 | 0.0159 |
| 14 | 18 | 19 | 0.0159 | 20 | 15 | 17 | 0.0159 | 16 | 24 | 0.0317 |
| 14 | 19 | 16 | 0.0635 | 20 | 16 | 17 | 0.0476 | 16 | 27 | 0.0159 |
| 14 | 19 | 17 | 0.0159 | 20 | 16 | 18 | 0.0159 | 16 | 28 | 0.0317 |
| 14 | 19 | 18 | 0.0318 | 20 | 17 | 16 | 0.0159 | 17 | 18 | 0.0159 |
| 14 | 19 | 19 | 0.0159 | 20 | 17 | 17 | 0.0635 | 17 | 24 | 0.0159 |
| 14 | 20 | 16 | 0.0476 | 20 | 17 | 18 | 0.0159 | 18 | 19 | 0.0159 |
| 14 | 20 | 17 | 0.0476 | 20 | 18 | 17 | 0.0317 | 18 | 27 | 0.0159 |
| 14 | 20 | 18 | 0.0159 | 20 | 18 | 18 | 0.0317 | | | |
| 14 | 20 | 19 | 0.0159 | 20 | 19 | 17 | 0.0317 | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 14 | 21 | 15 | 0.0159 | 21 | 15 | 16 | 0.0159 |
| 14 | 21 | 18 | 0.0159 | 21 | 15 | 18 | 0.0159 |
| 14 | 21 | 19 | 0.0159 | 21 | 18 | 17 | 0.0317 |
| 15 | 15 | 18 | 0.0159 | 21 | 19 | 17 | 0.0159 |
| 15 | 17 | 18 | 0.0159 | 22 | 12 | 16 | 0.0159 |
| 15 | 18 | 7 | 0.0159 | 22 | 15 | 17 | 0.0159 |
| 15 | 18 | 17 | 0.0159 | 22 | 19 | 17 | 0.0159 |
| 15 | 19 | 8 | 0.0159 | 23 | 18 | 19 | 0.0159 |
| 15 | 19 | 16 | 0.0318 | | | | |
| 15 | 19 | 20 | 0.0159 | | | | |
| 15 | 20 | 8 | 0.0159 | | | | |
| 15 | 20 | 16 | 0.0159 | | | | |
| 15 | 20 | 18 | 0.0159 | | | | |
| 15 | 21 | 15 | 0.0159 | | | | |
| 15 | 21 | 18 | 0.0159 | | | | |
| 16 | 19 | 17 | 0.0318 | | | | |
| 17 | 20 | 18 | 0.0159 | | | | |

**Supplementary Table S23. Haplotype frequencies observed among the Moor male population**

| DXS 7132 | DXS 10079 | DXS 10074 | Freq. | DXS 10079 | DXS 10074 | DXS 10075 | Freq. | DXS 7424 | DXS 101 | Freq |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 18 | 7 | 0.0149 | 16 | 17 | 16 | 0.0149 | 11 | 23 | 0.0149 |
| 12 | 18 | 15 | 0.0149 | 16 | 18 | 17 | 0.0299 | 11 | 24 | 0.0448 |
| 12 | 18 | 16 | 0.0149 | 17 | 17 | 18 | 0.0149 | 11 | 25 | 0.0149 |
| 12 | 18 | 17 | 0.0149 | 17 | 18 | 16 | 0.0149 | 12 | 24 | 0.0299 |
| 12 | 19 | 15 | 0.0149 | 18 | 7 | 14 | 0.0149 | 12 | 25 | 0.0149 |
| 12 | 19 | 19 | 0.0149 | 18 | 9 | 14 | 0.0299 | 12 | 26 | 0.0299 |
| 12 | 20 | 7 | 0.0149 | 18 | 15 | 17 | 0.0299 | 12 | 28 | 0.0149 |
| 12 | 20 | 17 | 0.0149 | 18 | 16 | 17 | 0.0149 | 12 | 29 | 0.0299 |
| 12 | 20 | 18 | 0.0299 | 18 | 16 | 18 | 0.0299 | 13 | 23 | 0.0299 |
| 12 | 21 | 16 | 0.0149 | 18 | 17 | 12 | 0.0149 | 13 | 25 | 0.0597 |
| 13 | 16 | 18 | 0.0299 | 18 | 17 | 16 | 0.0149 | 13 | 27 | 0.0149 |
| 13 | 17 | 18 | 0.0149 | 18 | 17 | 18 | 0.0299 | 13 | 29 | 0.0149 |
| 13 | 18 | 9 | 0.0149 | 18 | 18 | 12 | 0.0149 | 14 | 22 | 0.0149 |
| 13 | 18 | 16 | 0.0149 | 18 | 18 | 17 | 0.0149 | 14 | 24 | 0.0448 |
| 13 | 18 | 19 | 0.0149 | 18 | 19 | 17 | 0.0299 | 14 | 25 | 0.0597 |
| 13 | 19 | 16 | 0.0299 | 19 | 8 | 15 | 0.0149 | 14 | 26 | 0.0299 |
| 13 | 19 | 17 | 0.0149 | 19 | 15 | 17 | 0.0299 | 14 | 27 | 0.0448 |
| 13 | 19 | 19 | 0.0149 | 19 | 16 | 15 | 0.0149 | 14 | 28 | 0.0149 |
| 13 | 20 | 8 | 0.0149 | 19 | 16 | 16 | 0.0149 | 15 | 23 | 0.0597 |
| 13 | 20 | 17 | 0.0149 | 19 | 16 | 18 | 0.0448 | 15 | 24 | 0.0746 |
| 13 | 20 | 18 | 0.0597 | 19 | 17 | 15 | 0.0149 | 15 | 25 | 0.0448 |
| 13 | 21 | 8 | 0.0149 | 19 | 17 | 17 | 0.0299 | 15 | 27 | 0.0448 |
| 13 | 21 | 16 | 0.0149 | 19 | 17 | 18 | 0.0299 | 15 | 28 | 0.0149 |
| 13 | 21 | 18 | 0.0149 | 19 | 19 | 17 | 0.0299 | 16 | 18 | 0.0149 |
| 13 | 22 | 17 | 0.0149 | 19 | 19 | 18 | 0.0149 | 16 | 19 | 0.0149 |
| 14 | 16 | 17 | 0.0149 | 20 | 7 | 13 | 0.0149 | 16 | 23 | 0.0299 |
| 14 | 18 | 9 | 0.0149 | 20 | 8 | 17 | 0.0149 | 16 | 24 | 0.0149 |
| 14 | 18 | 15 | 0.0149 | 20 | 15 | 16 | 0.0149 | 16 | 25 | 0.0448 |
| 14 | 18 | 17 | 0.0149 | 20 | 16 | 16 | 0.0149 | 16 | 26 | 0.0149 |
| 14 | 18 | 18 | 0.0149 | 20 | 16 | 18 | 0.0149 | 16 | 28 | 0.0149 |
| 14 | 18 | 19 | 0.0149 | 20 | 17 | 16 | 0.0149 | 16 | 29 | 0.0149 |
| 14 | 19 | 15 | 0.0149 | 20 | 17 | 17 | 0.0149 | 17 | 24 | 0.0299 |
| 14 | 19 | 16 | 0.0149 | 20 | 17 | 18 | 0.0448 | 17 | 26 | 0.0299 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 14 | 19 | 17 | 0.0299 | 20 | 18 | 16 | 0.0448 | 17 | 27 | 0.0149 |
| 14 | 20 | 16 | 0.0299 | 20 | 18 | 17 | 0.0299 | | | |
| 14 | 20 | 17 | 0.0448 | 20 | 18 | 19 | 0.0149 | | | |
| 14 | 21 | 15 | 0.0149 | 21 | 8 | 19 | 0.0149 | | | |
| 14 | 21 | 18 | 0.0149 | 21 | 15 | 17 | 0.0149 | | | |
| 14 | 21 | 19 | 0.0149 | 21 | 16 | 17 | 0.0149 | | | |
| 14 | 22 | 16 | 0.0149 | 21 | 16 | 18 | 0.0149 | | | |
| 14 | 22 | 17 | 0.0149 | 21 | 17 | 18 | 0.0149 | | | |
| 14 | 22 | 19 | 0.0149 | 21 | 18 | 16 | 0.0149 | | | |
| 15 | 17 | 17 | 0.0149 | 21 | 18 | 17 | 0.0149 | | | |
| 15 | 18 | 16 | 0.0149 | 21 | 19 | 16 | 0.0149 | | | |
| 15 | 18 | 17 | 0.0149 | 21 | 20 | 17 | 0.0149 | | | |
| 15 | 18 | 18 | 0.0149 | 22 | 16 | 17 | 0.0149 | | | |
| 15 | 19 | 8 | 0.0149 | 22 | 17 | 17 | 0.0149 | | | |
| 15 | 19 | 16 | 0.0299 | 22 | 17 | 18 | 0.0149 | | | |
| 15 | 19 | 17 | 0.0299 | 22 | 18 | 17 | 0.0149 | | | |
| 15 | 19 | 19 | 0.0149 | 22 | 19 | 18 | 0.0149 | | | |
| 15 | 21 | 17 | 0.0149 | | | | | | | |
| 15 | 21 | 20 | 0.0149 | | | | | | | |
| 15 | 22 | 18 | 0.0149 | | | | | | | |
| 16 | 18 | 17 | 0.0149 | | | | | | | |
| 17 | 20 | 15 | 0.0149 | | | | | | | |

## Supplementary Table S24. Compiled data of haplotypes

Cluster I DXS10148-DXS10135-DXS8378

| Ethnicity | Sinhalese | SL Tamil | Indian Tamil | Moors |
|---|---|---|---|---|
| Number of samples | 258 | 77 | 63 | 67 |
| Number of observed haplotypes | 197 | 70 | 56 | 62 |
| Number of unique haplotypes | 151 | 64 | 49 | 58 |
| Percentage of unique haplotypes out total haplotypes | 76.65 | 91.42 | 87.5 | 93.55 |
| Freq of most common haplotype | 0.01938 | 0.03896 | 0.03175 | 0.04478 |
| Haplotype diversity | 0.9987 | 0.9973 | 0.9964 | 0.9973 |

Cluster II DXS7132-DXS10079-DXS10074-DXS10075

| Ethnicity | Sinhalese | SL Tamil | Indian Tamil | Moors |
|---|---|---|---|---|
| Number of samples | 258 | 77 | 63 | 67 |
| Number of observed haplotypes | 179 | 63 | 56 | 62 |
| Number of unique haplotypes | 129 | 53 | 51 | 58 |
| Percentage of unique haplotypes out total haplotypes | 72.07 | 84.13 | 91.07 | 93.55 |
| Freq of most common haplotype | 0.023256 | 0.05195 | 0.04762 | 0.04478 |
| Haplotype diversity | 0.9962 | 0.9935 | 0.9955 | 0.9973 |

Cluster III DXS6801-DXS6809-DXS6789

| Ethnicity | Sinhalese | SL Tamil | Indian Tamil | Moors |
|---|---|---|---|---|
| Number of samples | 258 | 77 | 63 | 67 |
| Number of observed haplotypes | 113 | 57 | 46 | 48 |
| Number of unique haplotypes | 61 | 42 | 34 | 36 |
| Percentage of unique haplotypes out total haplotypes | 53.98 | 73.68 | 73.91 | 75 |
| Freq of most common haplotype | 0.03876 | 0.05195 | 0.0635 | 0.0597 |
| Haplotype diversity | 0.9879 | 0.9908 | 0.9882 | 0.9873 |

Cluster IV DXS7424-DXS101-DXS7133

| Ethnicity | Sinhalese | SL Tamil | Indian Tamil | Moors |
|---|---|---|---|---|
| Number of samples | 258 | 77 | 63 | 67 |
| Number of observed haplotypes | 115 | 56 | 50 | 51 |
| Number of unique haplotypes | 59 | 43 | 39 | 39 |
| Percentage of unique haplotypes out total haplotypes | 51.3 | 76.79 | 78 | 76.47 |
| Freq of most common haplotype | 0.05039 | 0.06494 | 0.04762 | 0.05970 |
| Haplotype diversity | 0.9882 | 0.9887 | 0.9923 | 0.9905 |