**Table S3** Inferred ancestry of the 140 accessions based on Bayesian analysis.

|  |  |  |
| --- | --- | --- |
| **Accessions** | **Inferred clusters** | |
| **Cluster I** | **Cluster II** |
| J01 | 0.7716 | 0.2284 |
| J02 | 0.9756 | 0.0244 |
| J03 | 0.6077 | 0.3923 |
| J04 | 0.4955 | 0.5045 |
| J05 | 0.982 | 0.018 |
| J06 | 0.5183 | 0.4817 |
| J07 | 0.87 | 0.13 |
| J08 | 0.9833 | 0.0167 |
| J09 | 0.7421 | 0.2579 |
| J10 | 0.9447 | 0.0553 |
| J11 | 0.8421 | 0.1579 |
| J12 | 0.979 | 0.021 |
| J13 | 0.979 | 0.021 |
| J14 | 0.8884 | 0.1116 |
| J15 | 0.8858 | 0.1142 |
| J16 | 0.8054 | 0.1946 |
| J17 | 0.8631 | 0.1369 |
| J18 | 0.9809 | 0.0191 |
| J19 | 0.8961 | 0.1039 |
| J20 | 0.842 | 0.158 |
| J21 | 0.5886 | 0.4114 |
| J22 | 0.8604 | 0.1396 |
| J23 | 0.6531 | 0.3469 |
| J24 | 0.9209 | 0.0791 |
| J25 | 0.773 | 0.227 |
| J26 | 0.9861 | 0.0139 |
| J27 | 0.9462 | 0.0538 |
| J28 | 0.9813 | 0.0187 |
| J29 | 0.9682 | 0.0318 |
| J30 | 0.9512 | 0.0488 |
| J31 | 0.986 | 0.014 |
| J32 | 0.9702 | 0.0298 |
| J33 | 0.9334 | 0.0666 |
| J34 | 0.9384 | 0.0616 |
| J35 | 0.9841 | 0.0159 |
| J36 | 0.9802 | 0.0198 |
| J37 | 0.8852 | 0.1148 |
| J38 | 0.7261 | 0.2739 |
| J39 | 0.9344 | 0.0656 |
| J40 | 0.6803 | 0.3197 |
| J41 | 0.9831 | 0.0169 |
| J42 | 0.984 | 0.016 |
| J43 | 0.9762 | 0.0238 |
| J44 | 0.9533 | 0.0467 |
| J45 | 0.7967 | 0.2033 |
| J46 | 0.9815 | 0.0185 |
| J47 | 0.7419 | 0.2581 |
| J48 | 0.9832 | 0.0168 |
| J49 | 0.9765 | 0.0235 |
| J50 | 0.9675 | 0.0325 |
| J51 | 0.9852 | 0.0148 |
| J52 | 0.9629 | 0.0371 |
| J53 | 0.9782 | 0.0218 |
| J54 | 0.7965 | 0.2035 |
| J55 | 0.9742 | 0.0258 |
| J56 | 0.985 | 0.015 |
| J57 | 0.987 | 0.013 |
| J58 | 0.9662 | 0.0338 |
| J59 | 0.968 | 0.032 |
| J60 | 0.9769 | 0.0231 |
| J61 | 0.9581 | 0.0419 |
| J62 | 0.9802 | 0.0198 |
| J63 | 0.7295 | 0.2705 |
| J64 | 0.9393 | 0.0607 |
| J65 | 0.9692 | 0.0308 |
| J66 | 0.9614 | 0.0386 |
| J67 | 0.9879 | 0.0121 |
| J68 | 0.9793 | 0.0207 |
| J69 | 0.9832 | 0.0168 |
| J70 | 0.988 | 0.012 |
| J71 | 0.985 | 0.015 |
| J72 | 0.9501 | 0.0499 |
| J73 | 0.988 | 0.012 |
| J74 | 0.9354 | 0.0646 |
| J75 | 0.983 | 0.017 |
| J76 | 0.8357 | 0.1643 |
| J77 | 0.8757 | 0.1243 |
| J78 | 0.471 | 0.529 |
| J79 | 0.9142 | 0.0858 |
| J80 | 0.8405 | 0.1595 |
| J81 | 0.8386 | 0.1614 |
| J82 | 0.9499 | 0.0501 |
| J83 | 0.7207 | 0.2793 |
| J84 | 0.8029 | 0.1971 |
| J85 | 0.7338 | 0.2662 |
| S01 | 0.3805 | 0.6195 |
| S02 | 0.4215 | 0.5785 |
| S03 | 0.9669 | 0.0331 |
| S04 | 0.6386 | 0.3614 |
| S05 | 0.0573 | 0.9427 |
| S06 | 0.3189 | 0.6811 |
| S07 | 0.0241 | 0.9759 |
| S08 | 0.0538 | 0.9462 |
| S09 | 0.3233 | 0.6767 |
| S10 | 0.6448 | 0.3552 |
| S11 | 0.1037 | 0.8963 |
| S12 | 0.0794 | 0.9206 |
| S13 | 0.0346 | 0.9654 |
| S14 | 0.1483 | 0.8517 |
| S15 | 0.1176 | 0.8824 |
| S16 | 0.0226 | 0.9774 |
| S17 | 0.0548 | 0.9452 |
| S18 | 0.0399 | 0.9601 |
| S19 | 0.0572 | 0.9428 |
| S20 | 0.0361 | 0.9639 |
| S21 | 0.4628 | 0.5372 |
| S22 | 0.025 | 0.975 |
| S23 | 0.0469 | 0.9531 |
| S24 | 0.0292 | 0.9708 |
| S25 | 0.2675 | 0.7325 |
| S26 | 0.1223 | 0.8777 |
| S27 | 0.019 | 0.981 |
| S28 | 0.1154 | 0.8846 |
| S29 | 0.0443 | 0.9557 |
| S30 | 0.4695 | 0.5305 |
| S31 | 0.0251 | 0.9749 |
| S32 | 0.1043 | 0.8957 |
| S33 | 0.0199 | 0.9801 |
| S34 | 0.0885 | 0.9115 |
| S35 | 0.0576 | 0.9424 |
| S36 | 0.0338 | 0.9662 |
| S37 | 0.0464 | 0.9536 |
| S38 | 0.1207 | 0.8793 |
| S39 | 0.0368 | 0.9632 |
| S40 | 0.1017 | 0.8983 |
| S41 | 0.018 | 0.982 |
| S42 | 0.026 | 0.974 |
| S43 | 0.027 | 0.973 |
| S44 | 0.0952 | 0.9048 |
| S45 | 0.0296 | 0.9704 |
| S46 | 0.8219 | 0.1781 |
| S47 | 0.7542 | 0.2458 |
| S48 | 0.7218 | 0.2782 |
| S49 | 0.0154 | 0.9846 |
| S50 | 0.6563 | 0.3437 |
| S51 | 0.7359 | 0.2641 |
| S52 | 0.3842 | 0.6158 |
| S53 | 0.4102 | 0.5898 |
| S54 | 0.9776 | 0.0224 |
| S55 | 0.1776 | 0.8224 |