**Table S4.** Observed heterozygosity, expected heterozygosity, polymorphic information content and major allele frequency of the 45 SNP loci scored on 41 reference clones

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SNP locus | Observed heterozygosity | Expected heterozygosity | Polymorphic information content | Major allele frequency |
| TcSNP23 | 0.073 | 0.333 | 0.275 | 0.793 |
| TcSNP25 | 0.073 | 0.303 | 0.254 | 0.817 |
| TcSNP32 | 0.146 | 0.491 | 0.368 | 0.585 |
| TcSNP42 | 0.463 | 0.495 | 0.370 | 0.573 |
| TcSNP122 | 0.146 | 0.419 | 0.328 | 0.707 |
| TcSNP144 | 0.171 | 0.505 | 0.374 | 0.524 |
| TcSNP150 | 0.050 | 0.461 | 0.351 | 0.650 |
| TcSNP172 | 0.450 | 0.444 | 0.342 | 0.675 |
| TcSNP242 | 0.293 | 0.455 | 0.349 | 0.659 |
| TcSNP316 | 0.150 | 0.495 | 0.369 | 0.575 |
| TcSNP372 | 0.122 | 0.447 | 0.344 | 0.671 |
| TcSNP413 | 0.122 | 0.463 | 0.353 | 0.646 |
| TcSNP521 | 0.024 | 0.447 | 0.344 | 0.671 |
| TcSNP529 | 0.244 | 0.482 | 0.363 | 0.610 |
| TcSNP534 | 0.220 | 0.386 | 0.308 | 0.744 |
| TcSNP547 | 0.244 | 0.482 | 0.363 | 0.610 |
| TcSNP560 | 0.135 | 0.328 | 0.271 | 0.797 |
| TcSNP591 | 0.146 | 0.419 | 0.328 | 0.707 |
| TcSNP606 | 0.366 | 0.476 | 0.360 | 0.622 |
| TcSNP619 | 0.122 | 0.505 | 0.374 | 0.524 |
| TcSNP645 | 0.220 | 0.476 | 0.360 | 0.622 |
| TcSNP709 | 0.415 | 0.476 | 0.360 | 0.622 |
| TcSNP723 | 0.122 | 0.270 | 0.231 | 0.842 |
| TcSNP731 | 0.415 | 0.487 | 0.365 | 0.598 |
| TcSNP751 | 0.512 | 0.487 | 0.365 | 0.598 |
| TcSNP872 | 0.171 | 0.495 | 0.370 | 0.573 |
| TcSNP878 | 0.050 | 0.444 | 0.342 | 0.675 |
| TcSNP917 | 0.122 | 0.505 | 0.374 | 0.524 |
| TcSNP929 | 0.073 | 0.409 | 0.322 | 0.720 |
| TcSNP944 | 0.049 | 0.217 | 0.191 | 0.878 |
| TcSNP953 | 0.122 | 0.360 | 0.293 | 0.768 |
| TcSNP994 | 0.075 | 0.506 | 0.375 | 0.513 |
| TcSNP998 | 0.268 | 0.409 | 0.322 | 0.720 |
| TcSNP999 | 0.206 | 0.349 | 0.285 | 0.779 |
| TcSNP1034 | 0.128 | 0.245 | 0.213 | 0.859 |
| TcSNP1060 | 0.146 | 0.347 | 0.284 | 0.781 |
| TcSNP1062 | 0.146 | 0.470 | 0.356 | 0.634 |
| TcSNP1075 | 0.049 | 0.253 | 0.219 | 0.854 |
| TcSNP1096 | 0.390 | 0.491 | 0.368 | 0.585 |
| TcSNP1126 | 0.050 | 0.222 | 0.195 | 0.875 |
| TcSNP1165 | 0.220 | 0.476 | 0.360 | 0.622 |
| TcSNP1175 | 0.146 | 0.455 | 0.349 | 0.659 |
| TcSNP1253 | 0.195 | 0.506 | 0.375 | 0.512 |
| TcSNP1414 | 0.205 | 0.432 | 0.335 | 0.692 |
| TcSNP1442 | 0.171 | 0.463 | 0.353 | 0.646 |
| Mean | 0.187 | 0.424 | 0.328 | 0.674 |