**Table S5.** Observed heterozygosity, expected heterozygosity, polymorphic information content and major allele frequency of the 58 SNP loci scored on 752 cacao seedling varieties from Ghana

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SNP locus | Observed heterozygosity | Expected heterozygosity | Polymorphic information content | Major allele frequency |
| Tcm001s00947643 | 0.380 | 0.397 | 0.318 | 0.727 |
| Tcm002s20575712 | 0.476 | 0.468 | 0.358 | 0.628 |
| Tcm003s01336581 | 0.585 | 0.491 | 0.370 | 0.567 |
| Tcm003s34112745 | 0.558 | 0.474 | 0.361 | 0.615 |
| Tcm006s26664133 | 0.212 | 0.206 | 0.185 | 0.884 |
| TcSNP23 | 0.069 | 0.066 | 0.064 | 0.966 |
| TcSNP32 | 0.570 | 0.493 | 0.371 | 0.645 |
| TcSNP122 | 0.018 | 0.018 | 0.017 | 0.991 |
| TcSNP144 | 0.438 | 0.468 | 0.358 | 0.627 |
| TcSNP150 | 0.479 | 0.366 | 0.299 | 0.997 |
| TcSNP172 | 0.033 | 0.033 | 0.032 | 0.983 |
| TcSNP226 | 0.345 | 0.288 | 0.246 | 0.998 |
| TcSNP230 | 0.499 | 0.484 | 0.367 | 0.590 |
| TcSNP242 | 0.528 | 0.483 | 0.366 | 0.594 |
| TcSNP288 | 0.452 | 0.451 | 0.349 | 0.657 |
| TcSNP316 | 0.012 | 0.012 | 0.012 | 1.000 |
| TcSNP372 | 0.431 | 0.444 | 0.346 | 0.794 |
| TcSNP375 | 0.221 | 0.300 | 0.255 | 0.816 |
| TcSNP413 | 0.453 | 0.472 | 0.361 | 0.619 |
| TcSNP418 | 0.366 | 0.370 | 0.302 | 0.755 |
| TcSNP448 | 0.011 | 0.011 | 0.010 | 1.000 |
| TcSNP469 | 0.034 | 0.034 | 0.033 | 0.983 |
| TcSNP521 | 0.575 | 0.495 | 0.372 | 0.554 |
| TcSNP529 | 0.507 | 0.461 | 0.355 | 0.640 |
| TcSNP534 | 0.554 | 0.451 | 0.349 | 0.658 |
| TcSNP547 | 0.516 | 0.386 | 0.311 | 0.739 |
| TcSNP560 | 0.640 | 0.500 | 0.375 | 0.557 |
| TcSNP591 | 0.441 | 0.476 | 0.362 | 0.611 |
| TcSNP602 | 0.364 | 0.300 | 0.255 | 0.817 |
| TcSNP606 | 0.150 | 0.139 | 0.129 | 0.925 |
| TcSNP619 | 0.480 | 0.388 | 0.312 | 0.737 |
| TcSNP645 | 0.519 | 0.500 | 0.375 | 0.501 |
| TcSNP709 | 0.011 | 0.011 | 0.010 | 0.995 |
| TcSNP731 | 0.398 | 0.358 | 0.294 | 0.766 |
| TcSNP751 | 0.167 | 0.171 | 0.156 | 0.987 |
| TcSNP823 | 0.503 | 0.458 | 0.353 | 0.645 |
| TcSNP836 | 0.310 | 0.296 | 0.252 | 0.963 |
| TcSNP872 | 0.575 | 0.493 | 0.371 | 0.639 |
| TcSNP899 | 0.376 | 0.336 | 0.279 | 0.787 |
| TcSNP917 | 0.513 | 0.387 | 0.312 | 0.738 |
| TcSNP929 | 0.442 | 0.385 | 0.311 | 0.929 |
| TcSNP953 | 0.145 | 0.134 | 0.125 | 1.000 |
| TcSNP994 | 0.523 | 0.481 | 0.365 | 0.598 |
| TcSNP998 | 0.503 | 0.500 | 0.375 | 0.504 |
| TcSNP999 | 0.168 | 0.156 | 0.144 | 0.915 |
| TcSNP1038 | 0.025 | 0.025 | 0.025 | 0.987 |
| TcSNP1041 | 0.154 | 0.176 | 0.161 | 0.976 |
| TcSNP1060 | 0.439 | 0.438 | 0.342 | 0.677 |
| TcSNP1062 | 0.426 | 0.468 | 0.359 | 0.626 |
| TcSNP1111 | 0.136 | 0.127 | 0.119 | 0.932 |
| TcSNP1144 | 0.322 | 0.274 | 0.237 | 0.836 |
| TcSNP1165 | 0.121 | 0.113 | 0.107 | 0.940 |
| TcSNP1175 | 0.474 | 0.469 | 0.359 | 0.736 |
| TcSNP1253 | 0.194 | 0.175 | 0.160 | 1.000 |
| TcSNP1414 | 0.044 | 0.043 | 0.042 | 0.978 |
| TcSNP1442 | 0.461 | 0.393 | 0.315 | 0.732 |
| TcSNP1458 | 0.361 | 0.456 | 0.352 | 0.732 |
| TcSNP1484 | 0.505 | 0.482 | 0.366 | 0.595 |
| Mean | 0.348 | 0.323 | 0.256 | 0.783 |