**Table S3.** Observed heterozygosity, expected heterozygosity, polymorphic information content and major allele frequency of the 45 SNP loci scored on 168 cacao clones from Ghana

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SNP locus | Observed heterozygosity | Expected heterozygosity | Polymorphic information content | Major allele frequency |
| TcSNP23 | 0.012 | 0.012 | 0.012 | 0.994 |
| TcSNP25 | 0.223 | 0.199 | 0.178 | 0.889 |
| TcSNP32 | 0.500 | 0.486 | 0.367 | 0.587 |
| TcSNP42 | 0.343 | 0.285 | 0.244 | 0.828 |
| TcSNP122 | 0.220 | 0.197 | 0.177 | 0.890 |
| TcSNP144 | 0.569 | 0.496 | 0.372 | 0.554 |
| TcSNP150 | 0.509 | 0.423 | 0.333 | 0.698 |
| TcSNP172 | 0.371 | 0.303 | 0.257 | 0.814 |
| TcSNP242 | 0.467 | 0.443 | 0.344 | 0.671 |
| TcSNP316 | 0.283 | 0.357 | 0.293 | 0.768 |
| TcSNP372 | 0.202 | 0.192 | 0.173 | 0.893 |
| TcSNP413 | 0.429 | 0.500 | 0.374 | 0.524 |
| TcSNP521 | 0.527 | 0.497 | 0.373 | 0.548 |
| TcSNP529 | 0.509 | 0.482 | 0.365 | 0.598 |
| TcSNP534 | 0.345 | 0.411 | 0.326 | 0.712 |
| TcSNP547 | 0.395 | 0.406 | 0.323 | 0.719 |
| TcSNP560 | 0.497 | 0.495 | 0.371 | 0.559 |
| TcSNP591 | 0.630 | 0.486 | 0.367 | 0.588 |
| TcSNP606 | 0.269 | 0.234 | 0.206 | 0.865 |
| TcSNP619 | 0.635 | 0.458 | 0.353 | 0.647 |
| TcSNP645 | 0.417 | 0.424 | 0.333 | 0.696 |
| TcSNP709 | 0.345 | 0.435 | 0.340 | 0.682 |
| TcSNP723 | 0.018 | 0.018 | 0.018 | 0.991 |
| TcSNP731 | 0.464 | 0.500 | 0.374 | 0.530 |
| TcSNP751 | 0.449 | 0.386 | 0.311 | 0.740 |
| TcSNP872 | 0.619 | 0.467 | 0.357 | 0.631 |
| TcSNP878 | 0.293 | 0.251 | 0.219 | 0.853 |
| TcSNP917 | 0.401 | 0.428 | 0.336 | 0.692 |
| TcSNP929 | 0.693 | 0.493 | 0.371 | 0.563 |
| TcSNP944 | 0.065 | 0.064 | 0.061 | 0.967 |
| TcSNP953 | 0.434 | 0.341 | 0.282 | 0.783 |
| TcSNP994 | 0.565 | 0.462 | 0.355 | 0.640 |
| TcSNP998 | 0.386 | 0.402 | 0.320 | 0.723 |
| TcSNP999 | 0.188 | 0.200 | 0.179 | 0.888 |
| TcSNP1034 | 0.030 | 0.030 | 0.029 | 0.985 |
| TcSNP1060 | 0.431 | 0.359 | 0.294 | 0.766 |
| TcSNP1062 | 0.395 | 0.346 | 0.285 | 0.778 |
| TcSNP1075 | 0.329 | 0.276 | 0.237 | 0.835 |
| TcSNP1096 | 0.331 | 0.277 | 0.238 | 0.834 |
| TcSNP1126 | 0.071 | 0.069 | 0.067 | 0.964 |
| TcSNP1165 | 0.259 | 0.370 | 0.301 | 0.756 |
| TcSNP1175 | 0.659 | 0.501 | 0.375 | 0.509 |
| TcSNP1253 | 0.268 | 0.361 | 0.295 | 0.765 |
| TcSNP1414 | 0.310 | 0.370 | 0.301 | 0.756 |
| TcSNP1442 | 0.635 | 0.501 | 0.375 | 0.509 |
| Mean | 0.378 | 0.349 | 0.277 | 0.737 |