**Supplementary Table (S1). List of the 11 microsatellite markers (SSR) tested on olive accessions.** For each SSR, the identification code (SSR ID), bibliographic reference, repeat motif, primer sequence and annealing temperature (Ta) is reported.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| SSR ID | Bibliographic reference  | Repeat motif | Primer Sequence (5'-3') | Ta |
| DCA03 | Sefc *et al*. (2000) | (GA)19 | cccaagcggaggtgtatattgttac | 50°C |
|  |  |  | tgcttttgtgtttgagatgttg |  |
| DCA05 | Sefc *et al*. (2000) | (GA)15 | aacaaatcccatacgaactgcc | 50°C |
|  |  |  | cgtgttgctgtgaagaaaatcg |  |
| DCA09 | Sefc et al. (2000) | (GA)23 | aatcaaagtcttccttctcatttcg | 55°C |
|  |  |  | gatccttccaaaagtataacctctc |  |
| DCA13 | Sefc et al. (2000) | (CA)15 | gatcagattaatgaagatttggg | 55°C |
|  |  |  | aactgaacctgtgtatcttgcatcc |  |
| DCA15 | Sefc et al. (2000) | (CA)3G(AC)14 | gatcttgtctgtatatccacac | 50°C |
|  |  |  | tataccttttccatcttgacgc |  |
| DCA16 | Sefc et al. (2000) | (GT)13(GA)29 | ttaggtgggattctgtagatggttg | 50°C |
|  |  |  | ttttaggtgagttcatagaattagc |  |
| DCA17 | Sefc et al. (2000) | (GT)9(AT)7AGATA(GA)38 | gatcaaattctaccaaaaatata | 50°C |
|  |  |  | taatttttggcacgtagtattgg |  |
| DCA18 | Sefc et al. (2000) | (CA)4CT(CA)3(GA)19 | aagaaagaaaaaggcagaattaagc | 50°C |
|  |  |  | gttttcgtctctctacataagtgac |  |
| UDO43 | Cipriani et al. (2002) | (GT)12 | tcggctttacaacccatttc | 57°C |
|  |  |  | tgccaattatggggctaact |  |
| GAPU101 | Cipriani et al. (2002) | (GA)8(G)3(AG)3 | catgaaaggagggggacata | 57-60°C |
|  |  |  | ggcacttgttgtgcagattg |  |
| EMO90 | De la Rosa et al. (2002) | (CA)10 | catccggatttcttgctttt | 50°C |
|   |   |   | agcgaatgtagctttgcatgt |   |