**Supplementary Material**

Table S1. Description of oligonucleotides used in the amplification of microsatellite DNA of *Jatropha curcas* L. of Chiapas, Southern Mexico.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Oligonucleotide** | ***GenBank* Accession** | **Sequences (5 '→ 3')** | **Alignment Temperature (°C)** | **Repeated Motif** | **Reported amplicon sizes (bp)** |
| *jcds10* | EU586340 | Forward: CATCAAATGCTAATGAAAGTACAReverse: CACACCTAGCAAACTACTTGCA | 46.5 | (TG)6CACGCA(TG)4 | 108,122 |
| *jcds24* | EU586341 | Forward: GGATATGAAGTTTCATGGGACAAGReverse: TTCATTGAATGGATGGTTGTAAGG | 51.0 | (CA)5(TA)8(CA)4…(TA)3GA(TA)4 | 204, 210, 216, 246 |
| *jcds41* | EU586342 | Forward: AACACACCATGGGCCACAGGT;Reverse: TGCATGTGTGCGGGTTTGATTAC | 56.5 | (CA)6(TA)2 | 102, 114 |
| *jcds58* | EU586343 | Forward: TCCATGAAGTTTGCTGGCAATReverse: AGGTCATCTGGTAAAGCCATACC | 54.0 | (GT)4(GA)5 | 104, 112 |
| *jcds66* | EU586344 | Forward: CCTACGAGTGATTGGATAGTTTCTCAReverse: TCTTCCATCAAGAGTCGTTGGGCA | 54.0 | (CT)2(GT)3ATTGCA(AT)4 | 216, 228 |
| *jcps6* | EU586346 | Forward: CCAGAAGTAGAATTATAAATTAAAReverse: AGCGGCTCTGACATTATGTAC | 44.0 | (AT)3G(TA)3…(CT)3…(GT)5CT(GT)3 | 288, 305, 380 |
| *jcps9* | EU586347 | Forward: GTACTTAGATCTCTTGTAACTAACAGReverse: TATCTCTTGTTCAGAAATGGAT | 48.0 | (GT)3GC(TG)2A(GT)3 | 140, 132 |
| *jcps20* | EU586348 | Forward: ACAGCAAGTGCACAACAATCTCAReverse: TACTGCAGATGGATGGCATGA | 55.0 | (TG)12(GA)22 | 271, 260, 278 |
| *jcps21* | EU586349 | Forward: CCTGCTGACAGGCCATGATTReverse: TTTCACTGCAGAGGTAGCTTGTATA | 54.8 | (CA)2…(CA)4 | 189, 200, 208 |
| *jcms21* | EU586350 | Forward: TAACCTCTTCCTGACA;Reverse: ATAGGAAATAAGAGTTCAAA | 43.0 | (CA)7 | 81, 89, 75 |

Data from Pamidimarri et al. (2009a, b) and from the National Center for Biotechnology Information.

Table S2. Microsatellite *loci* of *Jatropha curcas* L. of Chiapas, Mexico, showing Hardy-Weinberg disequilibrium determined by Chi square tests.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Population** | ***Locus*** | **Degrees of freedom** | **Probability** | **Significance** |
| Soconusco | *jcps20* | 28 | 0.000 | \*\*\* |
| Mapastepec | *jcps20* | 6 | 0.020 | \* |
| Isthmus | *jcds66* | 1 | 0.003 | \*\* |
| Isthmus | *jcps20* | 15 | 0.002 | \*\* |
| Riviera | *jcps20* | 21 | 0.007 | \*\* |
| Centre | *jcps20* | 10 | 0.003 | \*\* |
| Frailesca | *jcms21* | 3 | 0.001 | \*\*\* |
| Frailesca | *jcps20* | 28 | 0.000 | \*\*\* |
| Border | *jcps20* | 15 | 0.000 | \*\*\* |

\* *p* < 0.05, \*\* *p* <0.01, \*\*\* *p* <0.001; From a total of 10 *loci* displaying only those which were statistically significant.