**Table S2** Summary of primers used in this study.

|  |  |  |  |
| --- | --- | --- | --- |
| **Primer name** | **Repeat motifs** | **Sequence 5'–3'** | **Annealing temperature (°C)** |
| ISSR-1 | AT | ATATATATATATATATT | 40 |
| ISSR-2 | AT | ATATATATATATATATG | 40 |
| ISSR-3 | AT | ATATATATATATATATC | 40 |
| ISSR-4 | TA | TATATATATATATATAA | 40 |
| ISSR-5 | TA | TATATATATATATATAC | 40 |
| ISSR-6 | TA | TATATATATATATATAG | 40 |
| ISSR-7 | AG | AGAGAGAGAGAGAGAGT | 50 |
| ISSR-8 | AG | AGAGAGAGAGAGAGAGC | 50 |
| ISSR-9 | AG | AGAGAGAGAGAGAGAGG | 50 |
| ISSR-10 | GA | GAGAGAGAGAGAGAGAT | 50 |
| ISSR-11 | GA | GAGAGAGAGAGAGAGAC | 50 |
| ISSR-12 | GA | GAGAGAGAGAGAGAGAA | 50 |
| ISSR-13 | CT | CTCTCTCTCTCTCTCTT | 50 |
| ISSR-14 | CT | CTCTCTCTCTCTCTCTA | 50 |
| ISSR-15 | CT | CTCTCTCTCTCTCTCTG | 50 |
| ISSR-16 | CA | CACACACACACACACAT | 50 |
| ISSR-17 | CA | CACACACACACACACAA | 50 |
| ISSR-18 | CA | CACACACACACACACAG | 50 |
| ISSR-19 | GT | GTGTGTGTGTGTGTGTA | 50 |
| ISSR-20 | GT | GTGTGTGTGTGTGTGTC | 50 |
| ISSR-21 | GT | GTGTGTGTGTGTGTGTT | 50 |
| ISSR-22 | TC | TCTCTCTCTCTCTCTCA | 50 |
| ISSR-23 | TC | TCTCTCTCTCTCTCTCC | 50 |
| ISSR-24 | TC | TCTCTCTCTCTCTCTCG | 50 |
| ISSR-25 | AC | ACACACACACACACACT | 50 |
| ISSR-26 | AC | ACACACACACACACACC | 50 |
| ISSR-27 | AC | ACACACACACACACACG | 50 |
| ISSR-28 | TG | TGTGTGTGTGTGTGTGA | 50 |
| ISSR-29 | TG | TGTGTGTGTGTGTGTGC | 50 |
| ISSR-30 | TG | TGTGTGTGTGTGTGTGG | 50 |
| ISSR-31 | AT | ATATATATATATATATTA | 40 |
| ISSR-32 | AT | ATATATATATATATATGA | 40 |
| ISSR-33 | AT | ATATATATATATATATCA | 40 |
| ISSR-34 | AT | ATATATATATATATATTC | 40 |
| ISSR-35 | AT | ATATATATATATATATGC | 40 |
| ISSR-36 | AT | ATATATATATATATATCC | 40 |
| ISSR-37 | AT | ATATATATATATATATTG | 40 |
| ISSR-38 | AT | ATATATATATATATATGG | 40 |
| ISSR-39 | AT | ATATATATATATATATCG | 40 |
| ISSR-40 | AG | AGAGAGAGAGAGAGAGTT | 55 |
| ISSR-41 | AG | AGAGAGAGAGAGAGAGGT | 55 |
| ISSR-42 | AG | AGAGAGAGAGAGAGAGCT | 55 |
| ISSR-43 | AG | AGAGAGAGAGAGAGAGTC | 55 |
| ISSR-44 | AG | AGAGAGAGAGAGAGAGGC | 55 |
| ISSR-45 | AG | AGAGAGAGAGAGAGAGCC | 55 |
| ISSR-46 | AG | AGAGAGAGAGAGAGAGTA | 55 |
| ISSR-47 | AG | AGAGAGAGAGAGAGAGGA | 55 |
| ISSR-48 | AG | AGAGAGAGAGAGAGAGCA | 55 |
| ISSR-49 | TA | TATATATATATATATAAT | 50 |
| ISSR-50 | TA | TATATATATATATATAGT | 50 |
| ISSR-51 | TA | TATATATATATATATAAC | 50 |
| ISSR-52 | TA | TATATATATATATATAGC | 50 |
| ISSR-53 | TA | TATATATATATATATAAG | 50 |
| ISSR-54 | TA | TATATATATATATATAGG | 50 |
| ISSR-55 | GA | GAGAGAGAGAGAGAGATT | 55 |
| ISSR-56 | GA | GAGAGAGAGAGAGAGAGT | 55 |
| ISSR-57 | GA | GAGAGAGAGAGAGAGACT | 55 |
| ISSR-58 | GA | GAGAGAGAGAGAGAGATC | 55 |
| ISSR-59 | GA | GAGAGAGAGAGAGAGAGC | 55 |
| ISSR-60 | GA | GAGAGAGAGAGAGAGACC | 55 |
| ISSR-61 | GA | GAGAGAGAGAGAGAGATG | 55 |
| ISSR-62 | GA | GAGAGAGAGAGAGAGAGG | 55 |
| ISSR-63 | GA | GAGAGAGAGAGAGAGACG | 55 |
| ISSR-64 | CT | CTCTCTCTCTCTCTCTAA | 55 |
| ISSR-65 | CT | CTCTCTCTCTCTCTCTGA | 55 |
| ISSR-66 | CT | CTCTCTCTCTCTCTCTAC | 55 |
| ISSR-67 | CT | CTCTCTCTCTCTCTCTGC | 55 |
| ISSR-68 | CT | CTCTCTCTCTCTCTCTAG | 55 |
| ISSR-69 | CT | CTCTCTCTCTCTCTCTGG | 55 |
| ISSR-70 | CA | CACACACACACACACAAT | 55 |
| ISSR-71 | CA | CACACACACACACACAGT | 55 |
| ISSR-72 | CA | CACACACACACACACAAC | 55 |
| ISSR-73 | CA | CACACACACACACACAGC | 55 |
| ISSR-74 | CA | CACACACACACACACAAG | 55 |
| ISSR-75 | CA | CACACACACACACACAGG | 55 |
| ISSR-76 | GT | GTGTGTGTGTGTGTGTTA | 55 |
| ISSR-77 | GT | GTGTGTGTGTGTGTGTGA | 55 |
| ISSR-78 | GT | GTGTGTGTGTGTGTGTCA | 55 |
| ISSR-79 | GT | GTGTGTGTGTGTGTGTTC | 55 |
| ISSR-80 | GT | GTGTGTGTGTGTGTGTGC | 55 |
| ISSR-81 | GT | GTGTGTGTGTGTGTGTCC | 55 |
| ISSR-82 | GT | GTGTGTGTGTGTGTGTTG | 55 |
| ISSR-83 | GT | GTGTGTGTGTGTGTGTGG | 55 |
| ISSR-84 | GT | GTGTGTGTGTGTGTGTCG | 55 |
| ISSR-85 | TC | TCTCTCTCTCTCTCTCAA | 55 |
| ISSR-86 | TC | TCTCTCTCTCTCTCTCGA | 55 |
| ISSR-87 | TC | TCTCTCTCTCTCTCTCAT | 55 |
| ISSR-88 | TC | TCTCTCTCTCTCTCTCGT | 55 |
| ISSR-89 | TC | TCTCTCTCTCTCTCTCAG | 55 |
| ISSR-90 | TC | TCTCTCTCTCTCTCTCGG | 55 |
| ISSR-91 | AC | ACACACACACACACACTT | 55 |
| ISSR-92 | AC | ACACACACACACACACGT | 55 |
| ISSR-93 | AC | ACACACACACACACACCT | 55 |
| ISSR-94 | AC | ACACACACACACACACTA | 55 |
| ISSR-95 | AC | ACACACACACACACACGA | 55 |
| ISSR-96 | AC | ACACACACACACACACCA | 55 |
| ISSR-97 | AC | ACACACACACACACACTG | 55 |
| ISSR-98 | AC | ACACACACACACACACGG | 55 |
| ISSR-99 | AC | ACACACACACACACACCG | 55 |
| ISSR-100 | TG | TGTGTGTGTGTGTGTGAT | 55 |
| ISSR-101 | TG | TGTGTGTGTGTGTGTGGT | 55 |
| ISSR-102 | TG | TGTGTGTGTGTGTGTGAC | 55 |
| ISSR-103 | TG | TGTGTGTGTGTGTGTGGC | 55 |
| ISSR-104 | TG | TGTGTGTGTGTGTGTGAA | 55 |
| ISSR-105 | TG | TGTGTGTGTGTGTGTGGA | 55 |
| ISSR-106 | AC | ACCACCACCACCACCACC | 60 |
| ISSR-107 | AGC | AGCAGCAGCAGCAGCAGC | 60 |
| ISSR-108 | AGT | AGTAGTAGTAGTAGTAGT | 50 |
| ISSR-109 | ATG | ATGATGATGATGATGATG | 50 |
| ISSR-110 | CCG | CCGCCGCCGCCGCCGCCG | 60 |
| ISSR-111 | CTC | CTCCTCCTCCTCCTCCTC | 60 |
| ISSR-112 | GGC | GGCGGCGGCGGCGGCGGC | 60 |
| ISSR-113 | GAA | GAAGAAGAAGAAGAAGAA | 50 |
| ISSR-114 | GTT | GTTGTTGTTGTTGTTGTT | 50 |
| ISSR-115 | TGC | TGCTGCTGCTGCTGCTGC | 60 |
| ISSR-116 | TAT | TATTATTATTATTATTAT | 50 |
| ISSR-117 | GATA | GATAGATAGATAGATA | 50 |
| ISSR-118 | GACA | GACAGACAGACAGACA | 50 |
| ISSR-119 | CCCT | CCCTCCCTCCCTCCCT | 55 |
| ISSR-120 | CTAG | CTAGCTAGCTAGCTAG | 50 |
| ISSR-121 | GATA | GATAGATAGACAGACA | 50 |
| ISSR-122 | TGCA | TGCATGCATGCATGCA | 50 |
| ISSR-123 | GGAT | GGATGGATGGATGGAT | 50 |
| ISSR-124 | CTTCA | CTTCACTTCACTTCA | 50 |
| ISSR-125 | GA | GGAGAGGAGAGGAGA | 50 |
| ISSR-126 | GGGT | GGGTGGGGTGGGGTG | 55 |
| ISSR-127 | AT | ACAATATATATATATAT | 50 |
| ISSR-128 | AT | CCCATATATATATATAT | 50 |
| ISSR-129 | AT | GCGATATATATATATAT | 50 |
| ISSR-130 | AT | AGAATATATATATATAT | 50 |
| ISSR-131 | AT | CGCATATATATATATAT | 50 |
| ISSR-132 | AT | CTCATATATATATATAT | 50 |
| ISSR-133 | AT | GCGATATATATATATAT | 50 |
| ISSR-134 | AT | GGGATATATATATATAT | 50 |
| ISSR-135 | AT | GTGATATATATATATAT | 50 |
| ISSR-136 | TA | CACTATATATATATATA | 50 |
| ISSR-137 | TA | CCCTATATATATATATA | 50 |
| ISSR-138 | TA | CGCTATATATATATATA | 50 |
| ISSR-139 | TA | GAGTATATATATATATA | 50 |
| ISSR-140 | TA | GCGTATATATATATATA | 50 |
| ISSR-141 | TA | GGGTATATATATATATA | 50 |
| ISSR-142 | TA | TATTATATATATATATA | 50 |
| ISSR-143 | TA | TCTTATATATATATATA | 50 |
| ISSR-144 | TA | TGTTATATATATATATA | 50 |
| ISSR-145 | AG | ACAAGAGAGAGAGAGAG | 50 |
| ISSR-146 | AG | AGAAGAGAGAGAGAGAG | 50 |
| ISSR-147 | AG | ATAAGAGAGAGAGAGAG | 50 |
| ISSR-148 | AG | CCCAGAGAGAGAGAGAG | 55 |
| ISSR-149 | AG | CGCAGAGAGAGAGAGAG | 55 |
| ISSR-150 | AG | CTCAGAGAGAGAGAGAG | 50 |
| ISSR-151 | AG | TCTAGAGAGAGAGAGAG | 50 |
| ISSR-152 | AG | TGTAGAGAGAGAGAGAG | 50 |
| ISSR-153 | AG | TTTAGAGAGAGAGAGAG | 50 |
| ISSR-154 | GA | CACGAGAGAGAGAGAGA | 50 |
| ISSR-155 | GA | CCCGAGAGAGAGAGAGA | 55 |
| ISSR-156 | GA | CTCGAGAGAGAGAGAGA | 50 |
| ISSR-157 | GA | GAGGAGAGAGAGAGAGA | 50 |
| ISSR-158 | GA | GCGGAGAGAGAGAGAGA | 55 |
| ISSR-159 | GA | GTGGAGAGAGAGAGAGA | 50 |
| ISSR-160 | GA | TATGAGAGAGAGAGAGA | 50 |
| ISSR-161 | GA | TCTGAGAGAGAGAGAGA | 50 |
| ISSR-162 | GA | TTTGAGAGAGAGAGAGA | 50 |
| ISSR-163 | CT | AAACTCTCTCTCTCTCT | 50 |
| ISSR-164 | CT | AGACTCTCTCTCTCTCT | 50 |
| ISSR-165 | CT | ATACTCTCTCTCTCTCT | 50 |
| ISSR-166 | CT | CACCTCTCTCTCTCTCT | 50 |
| ISSR-167 | CT | CGCCTCTCTCTCTCTCT | 55 |
| ISSR-168 | CT | CTCCTCTCTCTCTCTCT | 50 |
| ISSR-169 | CT | GAGCTCTCTCTCTCTCT | 50 |
| ISSR-170 | CT | GGGCTCTCTCTCTCTCT | 55 |
| ISSR-171 | CT | GTGCTCTCTCTCTCTCT | 50 |
| ISSR-172 | TC | AAATCTCTCTCTCTCTC | 50 |
| ISSR-173 | TC | ACATCTCTCTCTCTCTC | 50 |
| ISSR-174 | TC | AGATCTCTCTCTCTCTC | 50 |
| ISSR-175 | TC | GAGTCTCTCTCTCTCTC | 50 |
| ISSR-176 | TC | GCGTCTCTCTCTCTCTC | 55 |
| ISSR-177 | TC | GGGTCTCTCTCTCTCTC | 55 |
| ISSR-178 | TC | TATTCTCTCTCTCTCTC | 50 |
| ISSR-179 | TC | TCTTCTCTCTCTCTCTC | 50 |
| ISSR-180 | TC | TGTTCTCTCTCTCTCTC | 50 |
| ISSR-181 | CA | CACCACACACACACACA | 50 |
| ISSR-182 | CA | CGCCACACACACACACA | 55 |
| ISSR-183 | CA | CTCCACACACACACACA | 50 |
| ISSR-184 | CA | GAGCACACACACACACA | 50 |
| ISSR-185 | CA | GGGCACACACACACACA | 55 |
| ISSR-186 | CA | GTGCACACACACACACA | 50 |
| ISSR-187 | CA | TATCACACACACACACA | 50 |
| ISSR-188 | CA | TGTCACACACACACACA | 50 |
| ISSR-189 | CA | TTTCACACACACACACA | 50 |
| ISSR-190 | AC | ACAACACACACACACAC | 50 |
| ISSR-191 | AC | AGAACACACACACACAC | 50 |
| ISSR-192 | AC | ATAACACACACACACAC | 50 |
| ISSR-193 | AC | GCGACACACACACACAC | 55 |
| ISSR-194 | AC | GGGACACACACACACAC | 55 |
| ISSR-195 | AC | GTGACACACACACACAC | 50 |
| ISSR-196 | AC | TCTACACACACACACAC | 50 |
| ISSR-197 | AC | TGTACACACACACACAC | 50 |
| ISSR-198 | AC | TTTACACACACACACAC | 50 |
| ISSR-199 | GT | AAAGTGTGTGTGTGTGT | 50 |
| ISSR-200 | GT | ACAGTGTGTGTGTGTGT | 50 |
| ISSR-201 | GT | ATAGTGTGTGTGTGTGT | 50 |
| ISSR-202 | GT | CACGTGTGTGTGTGTGT | 50 |
| ISSR-203 | GT | CCCGTGTGTGTGTGTGT | 55 |
| ISSR-204 | GT | CTCGTGTGTGTGTGTGT | 50 |
| ISSR-205 | GT | GAGGTGTGTGTGTGTGT | 50 |
| ISSR-206 | GT | GCGGTGTGTGTGTGTGT | 55 |
| ISSR-207 | GT | GTGGTGTGTGTGTGTGT | 50 |
| ISSR-208 | TG | AAATGTGTGTGTGTGTG | 50 |
| ISSR-209 | TG | ACATGTGTGTGTGTGTG | 50 |
| ISSR-210 | TG | AGATGTGTGTGTGTGTG | 50 |
| ISSR-211 | TG | CACTGTGTGTGTGTGTG | 50 |
| ISSR-212 | TG | CCCTGTGTGTGTGTGTG | 55 |
| ISSR-213 | TG | CGCTGTGTGTGTGTGTG | 55 |
| ISSR-214 | TG | TATTGTGTGTGTGTGTG | 50 |
| ISSR-215 | TG | TCTTGTGTGTGTGTGTG | 50 |
| ISSR-216 | TG | TGTTGTGTGTGTGTGTG | 50 |