

Table 6 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	CTCTCTCTCTCTCTT	50
ISSR-14	CT	CTCTCTCTCTCTCTA	50
ISSR-15	CT	CTCTCTCTCTCTCTG	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

Continuing Table 6

Primer name	Repeat motifs	Sequence 5'-3'	Annealing temperature (°C)
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	CTCTCTCTCTCTCTAA	55
ISSR-65	CT	CTCTCTCTCTCTCTGA	55
ISSR-66	CT	CTCTCTCTCTCTCTAC	55
ISSR-67	CT	CTCTCTCTCTCTCTGC	55
ISSR-68	CT	CTCTCTCTCTCTCTAG	55
ISSR-69	CT	CTCTCTCTCTCTCTGG	55
ISSR-70	CA	CACACACACACACAAT	55
ISSR-71	CA	CACACACACACACAGT	55
ISSR-72	CA	CACACACACACACAAC	55
ISSR-73	CA	CACACACACACACAGC	55
ISSR-74	CA	CACACACACACACAAG	55
ISSR-75	CA	CACACACACACACAGG	55
ISSR-76	GT	GTGTGTGTGTGTGTGTTA	55
ISSR-77	GT	GTGTGTGTGTGTGTGTA	55
ISSR-78	GT	GTGTGTGTGTGTGTGTC	55
ISSR-79	GT	GTGTGTGTGTGTGTGTTT	55
ISSR-80	GT	GTGTGTGTGTGTGTGTC	55
ISSR-81	GT	GTGTGTGTGTGTGTGCC	55
ISSR-82	GT	GTGTGTGTGTGTGTGTTG	55
ISSR-83	GT	GTGTGTGTGTGTGTGG	55
ISSR-84	GT	GTGTGTGTGTGTGTGTCG	55
ISSR-85	TC	TCTCTCTCTCTCTCAA	55
ISSR-86	TC	TCTCTCTCTCTCTCGA	55
ISSR-87	TC	TCTCTCTCTCTCTCAT	55
ISSR-88	TC	TCTCTCTCTCTCTCGT	55
ISSR-89	TC	TCTCTCTCTCTCTCAG	55
ISSR-90	TC	TCTCTCTCTCTCTCGG	55
ISSR-91	AC	ACACACACACACACTT	55
ISSR-92	AC	ACACACACACACACGT	55
ISSR-93	AC	ACACACACACACACCT	55
ISSR-94	AC	ACACACACACACACTA	55

Primer name	Repeat motifs	Sequence 5'-3'	Annealing temperature (°C)
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

Continuing Table 6

Primer name	Repeat motifs	Sequence 5'–3'	Annealing temperature (°C)
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

Continuing Table 6

Primer name	Repeat motifs	Sequence 5'-3'	Annealing temperature (°C)
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