

Supplementary Table 1. Details of the primers

Primer	Sequence	Annealing temperature (°C)
UBC854	TCTCTCTCTCTCTCRG	55
UBC855	ACACACACACACACACYT	53
UBC856	ACACACACACACACACYA	53
UBC857	ACACAACACAACACACACYG	54
UBC859	TGTGTGTGTGTGTGTGRC	55
UBC860	TGTGTGTAGTGTGTGTGRA	53
UBC862	AGCAGCAGCAGCAGCAGC	60
UBC863	AGTAGTAGTAGTAGTAGT	47
UBC864	ATGATGATGATGATGATG	49
UBC865	CCGCCGCCGCCGCCGCCG	48
UBC866	CTCCTCCTCCTCCTCCTC	48
UBC867	GGCGGCGGCGGCGGCGGC	49
UBC868	GAAGAAGAAGAAGAAGAA	50
UBC870	TGCTGCTGCTGCTGCTGC	60
UBC871	TATTATTATTATTATTAT	34
UBC873	GACAGACAGACAGACA	50
UBC875	CTAGCTAGCTAGCTAG	49
UBC876	GATAGATAGACAGACA	50
UBC879	CTTCACTTCACTTCA	42
UBC881	GGGTGGGGTGGGGTG	53
UBC885	BHBGAGAGAGAGAGAGA	49
UBC887	DVDTCTCTCTCTCTCTC	51
UBC894	TGGTAGCTCTTGATCANNNNN	56
UBC895	AGAGTTGGTAGCTCTTGATC	55
UBC896	AGGTCGCGGCCGNNNNNNATG	55
UBC897	CCGACTCGAGNNNNNNATGTGG	55
UBC899	CATGGTGTTGGTCATTGTTCCA	58

Supplementary Table 2. Binary data of the PCR products generated with the UBC-ISSR primers by the different samples

Sample	Primer 864				Primer 865				Primer 866
M1	0	1	1	1	1	1	1	1	0
M2	0	1	1	1	1	1	1	1	0
M3	0	1	1	1	1	1	1	1	0
M4	0	1	1	1	1	1	1	1	0
M5	0	1	1	1	1	1	1	1	0
R1	1	1	1	1	1	1	1	1	1
R2	1	1	1	1	1	1	1	1	1
R3	1	1	1	1	1	1	1	1	1
R4	1	1	1	1	1	1	1	1	1
R5	1	1	1	1	1	1	1	1	1
MZ1	1	1	1	1	1	1	1	1	0
MZ2	1	1	1	1	1	1	1	1	0
MZ3	1	1	1	1	1	1	1	1	0
IM1	1	1	1	1	1	1	1	1	1
IM2	1	1	1	1	1	1	1	1	1
IM3	1	1	1	1	1	1	1	1	1
IM4	1	1	1	1	1	1	1	1	1
G1	0	1	1	1	1	1	0	1	1
G2	0	1	1	1	1	1	0	1	1
G3	0	1	1	0	1	1	0	1	1

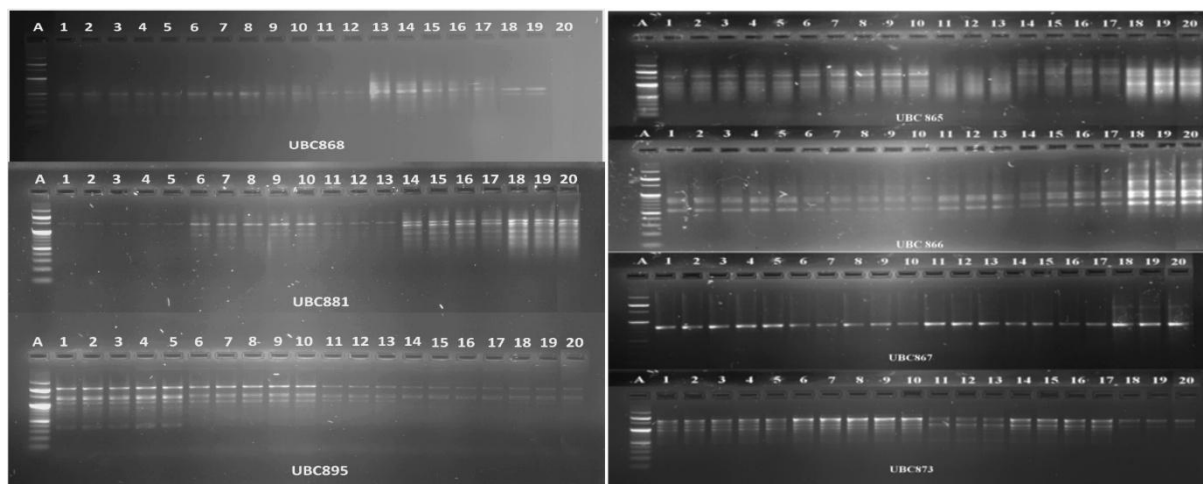
			Primer 867		Primer 868				Primer 873
1	1	1	0	1	0	0	1	1	1
1	1	1	0	1	0	0	1	1	1
1	1	1	0	1	0	0	1	1	1
1	1	1	0	1	0	0	1	1	1
1	1	1	0	1	0	0	1	1	1
1	1	1	0	1	0	0	1	1	1
1	1	1	0	1	0	0	1	1	1
1	1	1	0	1	0	0	1	1	1
1	1	1	0	1	0	1	1	1	1
1	1	1	0	1	0	1	1	1	1
1	1	1	0	1	0	1	1	1	1
1	1	1	0	1	1	1	1	1	1
1	1	1	0	1	1	1	1	1	1
1	1	1	0	1	1	1	1	1	1
1	1	1	0	1	1	1	1	1	1
1	1	1	0	1	1	1	1	1	1
1	1	1	1	1	0	0	1	1	1
1	1	1	1	1	0	0	1	1	1
1	1	1	1	1	0	0	0	0	1

Primer 876							Primer 885		
1	1	1	1	1	1	1	0	1	1
1	1	1	1	1	1	1	0	1	1
1	1	1	1	1	1	1	0	1	1
1	1	1	1	1	1	1	0	1	1
1	1	1	1	1	1	1	0	1	1
1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1
1	1	1	1	1	1	1	1	1	1
0	1	1	1	1	1	1	0	1	0
0	1	1	1	1	1	1	0	1	0
0	1	1	1	1	1	1	0	1	0
1	1	1	1	1	1	1	0	1	1
1	1	1	1	1	1	0	0	1	1
1	1	1	1	1	1	0	0	1	1
1	1	1	1	1	1	1	0	1	1
1	1	0	1	1	1	1	0	1	0
1	1	0	1	1	1	1	0	1	0
1	1	0	1	1	1	1	1	1	0

[illegible]

Primer 897						Primer 896			
1	1	1	1	1	1	0	1	1	1
1	1	1	1	1	1	0	1	1	1
1	1	1	1	1	1	0	1	1	1
1	1	1	1	1	1	0	1	1	1
1	1	1	1	1	1	0	1	1	1
1	1	0	1	1	1	1	1	1	1
1	1	0	1	1	1	1	1	1	1
1	1	0	1	1	1	1	1	1	1
1	1	0	1	1	1	1	1	1	1
1	0	0	1	1	1	1	1	1	1
1	0	0	1	0	0	0	1	1	1
1	0	0	1	0	0	0	1	0	1
1	0	0	1	0	0	0	1	1	1
0	0	0	1	0	0	0	1	1	1
0	0	0	1	0	0	0	1	0	1
0	0	0	1	0	0	0	1	1	1
0	0	0	1	0	0	0	1	1	1
0	0	0	1	0	0	0	1	1	1
0	0	0	1	0	0	0	1	0	1
0	0	0	1	0	0	0	1	0	1

1	1	0	0
1	1	0	0
1	1	0	0
1	1	0	0
1	1	0	0
1	1	0	0
1	1	0	0
1	1	0	0
1	1	0	0
1	1	0	0
1	1	0	0
1	1	0	0
1	1	0	0
1	1	1	1
1	1	0	0
1	1	0	0
1	1	1	1
1	1	0	0
1	0	0	0
1	0	0	0



Supplementary Fig. 1. Gel images of the PCR-amplifications obtained using UBC-ISSR primers UBC868, UBC881, UBC895, UBC865, UBC866, UBC867 and UBC873.