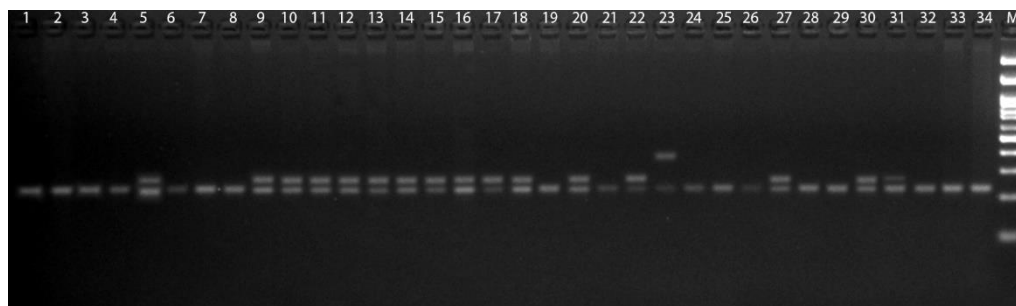
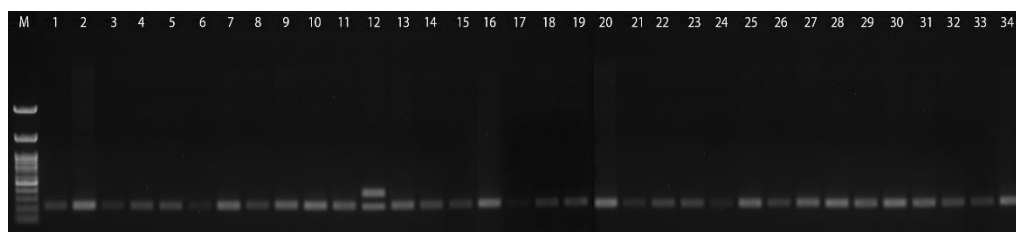


Supplementary file 1.

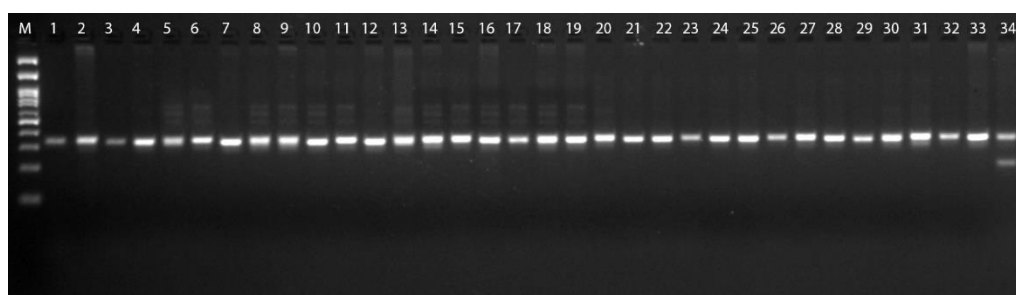
SI No.	Accession	SSR Marker	Band Size
1	KLM 27	LMMA 2	390
2	ALA 27	MiIIHR 03	300
3	TVM 01	MiIIHR 10	210
4	TVM 02	MiIIHR 14	220
5	TVM 02	MiIIHR 20	270,310
6	KLM 13	MiIIHR 22	170
7	KLM 35	MiIIHR 28	160,190



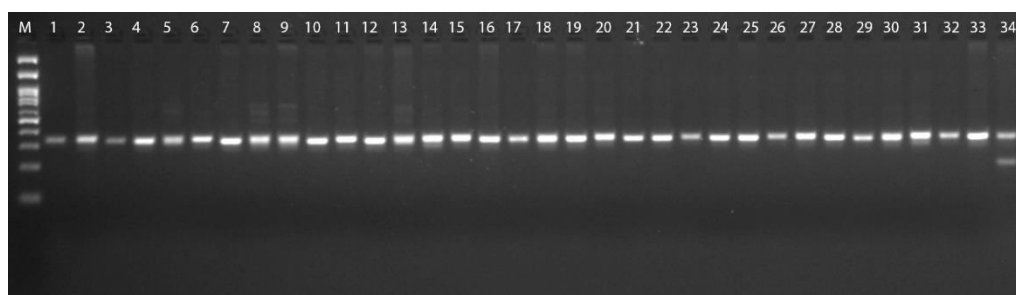
Amplification profile of mango accessions using the primer LMMA 02



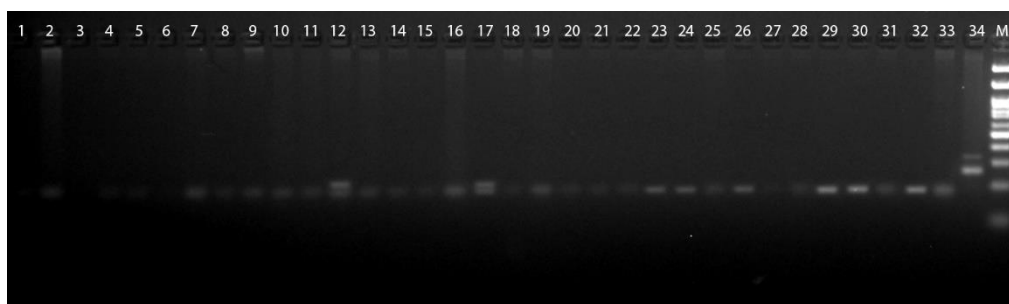
Amplification profile of mango accessions using the primer MiIIHR 03



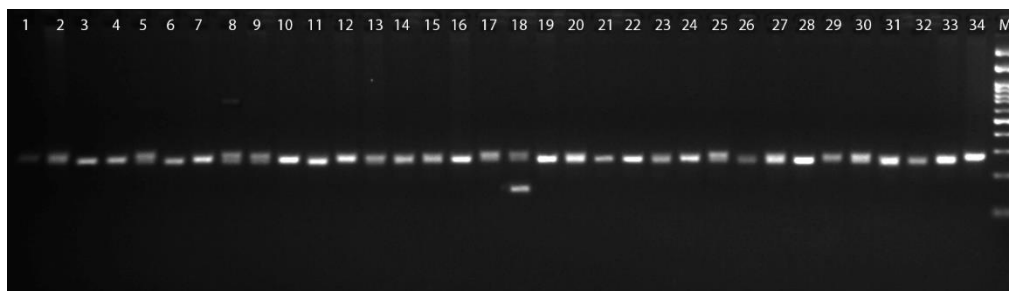
Amplification profile of mango accessions using the primer MiIIHR 10



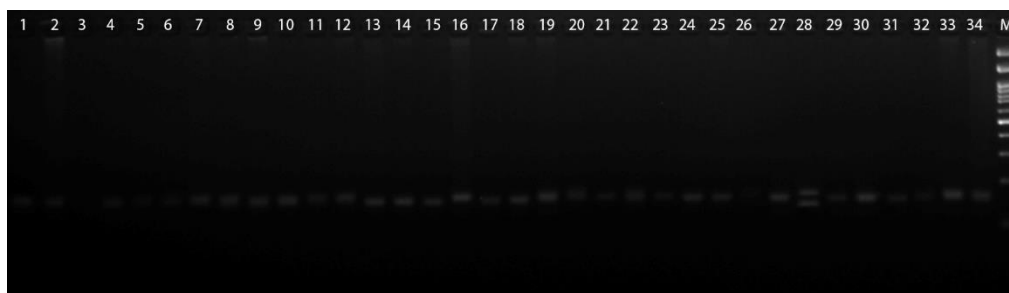
Amplification profile of mango accessions using the primer MiIIHR 14



Amplification profile of mango accessions using the primer MiIHR 20



Amplification profile of mango accessions using the primer MiIHR 22



Amplification profile of mango accessions using the primer MiIHR 28

Supplementary file 2.

Characteristics of SSR primers

Sl. No.	Locus	Polymorphism Information content (PIC)	Heterozygosity (H)	Marker Index (MI)	Discriminating Power (D)
1	MiSHRS-18	0.519	0.438	0.084	0.087
2	MiSHRS-23	0.515	0.448	0.427	0.100
3	MiSHRS-30	0.490	0.500	0.556	0.176
4	MiSHRS-33	0.496	0.488	0.363	0.320
5	MiSHRS-36	0.492	0.496	0.447	0.366

6	MiSHRS-37	0.493	0.493	0.545	0.404
7	MiSHRS-39	0.541	0.556	0.528	0.432
8	MiSHRS-48	0.490	0.500	0.542	0.450
9	LMMA2	0.490	0.500	0.389	0.462
10	LMMA3	0.493	0.493	0.403	0.484
11	LMMA8	0.519	0.438	0.415	0.505
12	MillHR01	0.579	0.363	0.438	0.545
13	MillHR02	0.503	0.528	0.438	0.546
14	MillHR03	0.490	0.500	0.444	0.558
15	MillHR05	0.516	0.444	0.448	0.565
16	MillHR07	0.527	0.447	0.457	0.585
17	MillHR10	0.491	0.497	0.465	0.604
18	MillHR12	0.492	0.495	0.493	0.691
19	MillHR13	0.611	0.084	0.493	0.691
20	MillHR14	0.495	0.489	0.495	0.701
21	MillHR16	0.507	0.465	0.496	0.708
22	MillHR17	0.491	0.498	0.496	0.708
23	MillHR20	0.559	0.427	0.497	0.712
24	MillHR21	0.510	0.457	0.498	0.723
25	MillHR22	0.524	0.427	0.500	0.739
26	MillHR24	0.490	0.500	0.500	0.743
27	MillHR25	0.539	0.389	0.500	0.752
28	MillHR26	0.535	0.542	0.500	0.752
29	MillHR27	0.510	0.545	0.500	0.754
30	MillHR28	0.519	0.438	0.500	0.754
31	MillHR29	0.490	0.500	0.489	0.819
32	MillHR30	0.492	0.496	0.488	0.825
33	MillHR32	0.534	0.403	0.475	0.851
34	MillHR33	0.529	0.415	0.438	0.897

35	MiIHR34	0.502	0.475	0.427	0.906
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