

Table 2 Frequency and diversity of allele and polymorphic information content (PIC) of treated *Amaranthus* Genotypes using SSR marker

Marker	Major Allele Frequency	Sample Size	Number of amplified microsatellite loci	Allele No	Allele Diversity	Percentage Polymorphic Information Content (%)
ASAAC001	0.3500	20.0000	4.0000	5.0000	0.7200	66.86
ASAAC005	0.7500	20.0000	4.0000	4.0000	0.4150	38.94
ASAAC006	0.7500	20.0000	3.0000	3.0000	0.3950	34.70
ASAAC011	0.6000	20.0000	3.0000	3.0000	0.5600	49.92
Total		80.0000	14.0000	15.0000		
Mean	0.6125	20.0000	3.5000	3.7500	0.5225	47.61