

Table 1 List of SSR primers used and the level of polymorphism detected

| Sl. No. | Marker code | PIC value | Allele size range (bp) | Number of alleles |
|---------|-------------|-----------|------------------------|-------------------|
| 1 | CEDA AG 002 | 0.641 | 140~170 | 5 |
| 2 | CEDG 08 | 0.365 | 110~140 | 3 |
| 3 | CEDG 010 | 0.181 | 180~210 | 4 |
| 4 | CEDG 015 | 0.106 | 190~210 | 3 |
| 5 | CEDG 037 | 0.066 | 160~170 | 2 |
| 6 | CEDG 043 | 0.261 | 170~210 | 3 |
| 7 | CEDG 044 | 0.335 | 170~210 | 4 |
| 8 | CEDG 048 | 0.338 | 200~220 | 3 |
| 9 | CEDG 050 | 0.127 | 140~160 | 3 |
| 10 | CEDG 056 | 0.125 | 170~220 | 2 |
| 11 | CEDG 068 | 0.065 | 100~120 | 2 |
| 12 | CEDG 071 | 0.105 | 260~270 | 2 |
| 13 | CEDG 086 | 0.057 | 140~150 | 2 |
| 14 | CEDG 091 | 0.000 | 200 | 1 |
| 15 | CEDG 092 | 0.219 | 150~170 | 3 |
| 16 | CEDG 097 | 0.366 | 100~130 | 5 |
| 17 | CEDG 115 | 0.577 | 100~160 | 5 |
| 18 | CEDG 117 | 0.498 | 110~140 | 4 |
| 19 | CEDG 118 | 0.110 | 190~200 | 2 |
| 20 | CEDG 127 | 0.185 | 330~350 | 2 |
| 21 | CEDG 133 | 0.264 | 200~210 | 2 |
| 22 | CEDG 143 | 0.059 | 120~140 | 2 |
| 23 | CEDG 149 | 0.600 | 170~200 | 3 |
| 24 | CEDG 173 | 0.000 | 140 | 1 |
| 25 | CEDG 181 | 0.386 | 120~140 | 3 |
| 26 | CEDG 186 | 0.000 | 270 | 1 |
| 27 | CEDG 225 | 0.323 | 110~170 | 4 |
| 28 | CEDG 244 | 0.560 | 120~160 | 4 |
| 29 | CEDG 245 | 0.000 | 130 | 1 |
| 30 | CEDG 254 | 0.257 | 150~170 | 2 |
| 31 | CEDG 271 | 0.062 | 200~220 | 2 |
| 32 | CEDG 304 | 0.213 | 90~100 | 2 |
| | Total | - | | 83 |
| | Mean | 0.266 | | 2.96 |