**Table S1.** List of 49 SSR primers used to study the genetic diversity in ginger genotypes

|  |  |  |
| --- | --- | --- |
| **Primer** | **Sequence (5’-3’)** | **Annealing temperature (Ta) oC** |
| **EST SSR Primers** | | |
|  |  |  |
| ZOC 11 | F-GGAGTATCTTCACCTCTGTGCC  R-ACCCTCACCTTCTCCAAGC | 60 |
| ZOC 28 | F-GCCTTCTTCGGAGTGTCCTT  R-AACCAAAGCCTAATCCAAAACC | 60 |
| ZOC 92 | F-GTAGTCCCCAAACAGAAACTCG  R-AGATCGAGGTGGTCAGCAAT | 60 |
| ZOC 98 | F-GTAGTCCCCAAACAGAAACTCG  R-AGATCGAGGTGGTCAGCAAT | 58 |
| ZOC 100 | F-CATCCCACTGGAAGCGTACAAAC  R-AGGTCGGAGGTGAAGTCTCTG | 61 |
| ZOC 156 | F-GAGGACAAGGAAGGGACAGG  R-GAGTTCGATTTGGTCTGAGGAG | 61 |
| **Genomic SSR Primers** | | |
| GB-ZOM-040 | F-TCTCCCTCTCGGATCCAT  R-ATCCATTGCCTGATGGTG | 60 |
| GB-ZOM-055 | F-GTGAGCAGAAAACAGCCG  R-TCGCCAATTGAAGACCAC | 58 |
| GB-ZOM-064 | F-CGTAGGATCTTCCCGACC  R-CGAGTGAACCCATGGAGA | 60 |
| GB-ZOM-103 | F-GCTGCGGACTAAATGCTG  R-ACGCTAGGGAACAGGGAG | 63 |
| **Primers from *Curcuma longa*** | | |
| Clon 01 | F-ACTGGACTGTCCGAGAGCAT  R-TCGTTTAGCGACAACGGATT | 54.30 |
| Clon 02 | F-CTATTAAGCGCAGTCCCCAG  R-AGTCTCTCGTGCGTCCAGT | 56.40 |
| Clon 03 | F-CTCTCACGACGTCTCCATCA  R-AGACTCGCGTGTACAGAGCA | 56.40 |
| Clon 04 | F-TAAATTTGCGAAGGCAATCC  R-CCGCAGAGGAATTTGAAGAG | 52.25 |
| Clon 06 | F-TTGCCAGTGTGCTTGTTCTC  R-TTGAAGGGAACACTGAAGGG | 55.00 |
| Clon 08 | F-CCGGTGAGGGTGATATCTTG  R-AAGCTCAAGCTCAAGCCAAT | 55.00 |
| Clon 09 | F-GGAGGAGGCAGTTGATTTGT  R-GCTTTGGTGGCTAGAGATGC | 55.00 |
| Clon 13 | F-CCCATTTGGCACATAGTTTTC  R-GCTTGTTGGTGTTGAATGCT | 55.00 |
| Clon 14 | F-TCAGTCGAGGGGTTCCTACT  R-GAGAGCTGATCGCAAAAACC | 55.00 |
| Clon 15 | F: GTCGCCCGATCTATTGTAGC  R: GATCCATCCTCCCCTAAAGC | 60.00 |
| Clon 16 | F-TTGTGCCAAGTGAGGATTTG  R-ACTCGCTTCTGCTCATCCAT | 55.00 |
| CSSR 07 | F-CGCAGCTGACACTTCTTCCT  R-AAGTCCGGGAGTTCTAAAGG | 55.00 |
| CSSR 14 | F-CTGCGGTCCAAGTACAAGATC  R-CTAGCTGGTGGCGGTGGT | 55.00 |
| CSSR 18 | F-CTTTTGGCTGATAAATGGAAGG  R-AAGAAAGAACTGACATCCTCCG | 55.00 |
| CSSR 27 | F-TCTCCCGAGTGATTCTTTGA  R-TCTTCCTCCATATCCCCTGA | 55.00 |
| CLEST SSR -02 | F-ACCGTAGCAAAGAAATAGGAC  R-AAGGTGGAAGGAAACTCG | 55.00 |
| CLEST SSR -03 | F-AGGGAAAATAGAGTAGGCAAC  R-TGAAGGATTACAGTCAGCAAA | 55.00 |
| CLEST SSR-07 | F-AGACAGAAGAAGAGGCAGAAG  R-AAATGATGACCACGGACTAC | 55.00 |
| CuMiSat-19 | F-CATGCAAATGGAAATTGACAC  R-TGATAAATTGACACATGGCAGTC | 55.00 |
| CuMiSat-20 | F- CGATACGAGTCCATCTCTTCG  R- CCTTGCTTTGGTGGCTAGAG | 65 |
| CuMiSat-21 | F-TCATTCAAAGTCCGATGGAA  R-TTCGAGTGCAGAAGGAGAATTA | 62 |
| CuMiSat-22 | F-AATTTATTAGCCCGGACCAC  R-AAGAAAGTGAGTAGAAACCAAAGC | 53.40 |
| CuMiSat-23 | F-CGTGGAAGGTGAGTTTGAC  R-CAGAAGGGAACTGAGATGG | 65 |
| CuMiSat-24 | F-AGGTATTCTACTCGACCAAG  R-AAATTCATATAGCCCCATC | 53.35 |
| CuMiSat-25 | F-TACATGAGAAACAACAAAGCCC  R-AGTTAGCCAAGTCCCAATTTAGC | 54.70 |
| CuMiSat-26 | F-CATTCCGATGAATTGTATG  R-GCAGTTGTTTTGCTTCAG | 47.80 |
| CuMiSat-27 | F-TATAGATAGCCATGCTGAAG  R-CCATTTTAGTTCATTACGTG | 49.20 |
| CuMiSat-28 | F-TTCAACTTCTCCTCGCTCAG  R-GCAAGGTCTGCATCTATTTCTC | 65 |
| CuMiSat-29 | F-GTGGTATCCCCATGAAGAGC  R-ATGACCAAGCCCTTTCACC | 65 |
| CuMiSat-30 | F-CTCTAATGTCGCCTCTCACG  R-GCATCTCCCGTTCTTCTCC | 65 |
| CuMiSat-31 | F-GGAGGAGGAGAAGCAGAAG  R-GACAGGCGAAGGAAGAAAC | 65 |
| CuMiSat-32 | R-TTGGTGTCCTAATTCTTTCAAC  F-TGTTGTAGGTACAACCAAATCAC | 52.90 |
| CuMiSat-33 | 1. ATGGATGGATACAACAACAAC   R-TATAAACACACTCCCTCTTGG | 51.95 |
| CuMiSat-34 | F-AAGTTGGTGAAGGATTAGAGCTAC  R-CACCTAGTGGGATAAATCTTGG | 55.85 |
| CuMiSat-35 | F-GGTTCGTCGCTGGAAAGTAAT  R-GCATCTCAACAGGGGCTC | 55.05 |
| CuMiSat-36 | F-TGGGCTCAATGGTTGATACG  R-CTCCTCATCGCTATCCGAGG | 56.35 |
| CuMiSat-37 | F-CCATTGGCGAGGATGAACC  R-CCTGCCAAGCAAAGCCAAG | 55.80 |
| CuMiSat-38 | F-TCATCATAAACACTCCTG  R-GAAGAAGAGGCTAAGTTC | 47.25 |
| CuMiSat-39 | F-TATCCCCTGAAAACTAGTCC  R-AAAATGTCACGAACTATTGC | 49.20 |