**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-ACTGGACTGTCCGAGAGCATR-TCGTTTAGCGACAACGGATT | 54.30 |
| Clon 02 | F-CTATTAAGCGCAGTCCCCAGR-AGTCTCTCGTGCGTCCAGT | 56.40 |
| Clon 03 | F-CTCTCACGACGTCTCCATCAR-AGACTCGCGTGTACAGAGCA | 56.40 |
| Clon 04 | F-TAAATTTGCGAAGGCAATCCR-CCGCAGAGGAATTTGAAGAG | 52.25 |
| Clon 06 | F-TTGCCAGTGTGCTTGTTCTCR-TTGAAGGGAACACTGAAGGG | 55.00 |
| Clon 08 | F-CCGGTGAGGGTGATATCTTGR-AAGCTCAAGCTCAAGCCAAT | 55.00 |
| Clon 09 | F-GGAGGAGGCAGTTGATTTGTR-GCTTTGGTGGCTAGAGATGC | 55.00 |
| Clon 13 | F-CCCATTTGGCACATAGTTTTCR-GCTTGTTGGTGTTGAATGCT | 55.00 |
| Clon 14 | F-TCAGTCGAGGGGTTCCTACTR-GAGAGCTGATCGCAAAAACC | 55.00 |
| Clon 15 | F: GTCGCCCGATCTATTGTAGC R: GATCCATCCTCCCCTAAAGC | 60.00 |
| Clon 16 | F-TTGTGCCAAGTGAGGATTTGR-ACTCGCTTCTGCTCATCCAT | 55.00 |
| CSSR 07 | F-CGCAGCTGACACTTCTTCCTR-AAGTCCGGGAGTTCTAAAGG | 55.00 |
| CSSR 14 | F-CTGCGGTCCAAGTACAAGATCR-CTAGCTGGTGGCGGTGGT | 55.00 |
| CSSR 18 | F-CTTTTGGCTGATAAATGGAAGGR-AAGAAAGAACTGACATCCTCCG | 55.00 |
| CSSR 27 | F-TCTCCCGAGTGATTCTTTGAR-TCTTCCTCCATATCCCCTGA | 55.00 |
| CLEST SSR -02 | F-ACCGTAGCAAAGAAATAGGACR-AAGGTGGAAGGAAACTCG | 55.00 |
| CLEST SSR -03 | F-AGGGAAAATAGAGTAGGCAACR-TGAAGGATTACAGTCAGCAAA | 55.00 |
| CLEST SSR-07 | F-AGACAGAAGAAGAGGCAGAAGR-AAATGATGACCACGGACTAC | 55.00 |
| CuMiSat-19 | F-CATGCAAATGGAAATTGACACR-TGATAAATTGACACATGGCAGTC | 55.00 |
| CuMiSat-20 | F- CGATACGAGTCCATCTCTTCG R- CCTTGCTTTGGTGGCTAGAG | 65 |
| CuMiSat-21 | F-TCATTCAAAGTCCGATGGAA R-TTCGAGTGCAGAAGGAGAATTA | 62 |
| CuMiSat-22 | F-AATTTATTAGCCCGGACCACR-AAGAAAGTGAGTAGAAACCAAAGC | 53.40 |
| CuMiSat-23 | F-CGTGGAAGGTGAGTTTGAC R-CAGAAGGGAACTGAGATGG | 65 |
| CuMiSat-24 | F-AGGTATTCTACTCGACCAAGR-AAATTCATATAGCCCCATC | 53.35 |
| CuMiSat-25 | F-TACATGAGAAACAACAAAGCCCR-AGTTAGCCAAGTCCCAATTTAGC | 54.70 |
| CuMiSat-26 | F-CATTCCGATGAATTGTATGR-GCAGTTGTTTTGCTTCAG | 47.80 |
| CuMiSat-27 | F-TATAGATAGCCATGCTGAAGR-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-TTGGTGTCCTAATTCTTTCAACF-TGTTGTAGGTACAACCAAATCAC | 52.90 |
| CuMiSat-33 | 1. ATGGATGGATACAACAACAAC

R-TATAAACACACTCCCTCTTGG | 51.95 |
| CuMiSat-34 |  F-AAGTTGGTGAAGGATTAGAGCTACR-CACCTAGTGGGATAAATCTTGG | 55.85 |
| CuMiSat-35 | F-GGTTCGTCGCTGGAAAGTAATR-GCATCTCAACAGGGGCTC | 55.05 |
| CuMiSat-36 | F-TGGGCTCAATGGTTGATACGR-CTCCTCATCGCTATCCGAGG | 56.35 |
| CuMiSat-37 | F-CCATTGGCGAGGATGAACCR-CCTGCCAAGCAAAGCCAAG | 55.80 |
| CuMiSat-38 | F-TCATCATAAACACTCCTGR-GAAGAAGAGGCTAAGTTC | 47.25 |
| CuMiSat-39 | F-TATCCCCTGAAAACTAGTCCR-AAAATGTCACGAACTATTGC | 49.20 |