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|------|---|------|
| 9930 | ATGGGCACCAATACACTGGTGGGATTTGAGGACCATTTGAAATTTGGCCAGGGAATACGCTCTTCAAGGGCTGTATGACACTTCGATATCTTTCTTTGATGGTGTATAGCTCAGATCAAT | 120 |
| mp | ATGGGCACCAATACACTGGTGGGATTTGAGGACCATTTGAAATTTGGCCAGGGAATACGCTCTTCAAGGGCTGTATGACACTTCGATATCTTTCTTTGATGGTGTATAGCTCAGATCAAT | 120 |
| CCMC | ATGGGCACCAATACACTGGTGGGATTTGAGGACCATTTGAAATTTGGCCAGGGAATACGCTCTTCAAGGGCTGTATGACACTTCGATATCTTTCTTTGATGGTGTATAGCTCAGATCAAT | 120 |
| 9930 | AAGCATCTTAGTACAGTAGATCACCTTTAATCCCTGCAAAATCGATCAGCTGTAAAAAAGCTCTTTCTCAGCAAAATAGAAGTTGTAAAGCAGTTAGATCCAGACAGCAAAAGCTTTCAAG | 240 |
| mp | AAGCATCTTAGTACAGTAGATCACCTTTAATCCCTGCAAAATCGATCAGCTGTAAAAAAGCTCTTTCTCAGCAAAATAGAAGTTGTAAAGCAGTTAGATCCAGACAGCAAAAGCTTTCAAG | 240 |
| CCMC | AAGCATCTTAGTACAGTAGATCACCTTTAATCCCTGCAAAATCGATCAGCTGTAAAAAAGCTCTTTCTCAGCAAAATAGAAGTTGTAAAGCAGTTAGATCCAGACAGCAAAAGCTTTCAAG | 240 |
| 9930 | CAAAACCCCATGGGTGCGGCTGCAAGCTTCTCTCCAATTCATGCCAAATCATCATTGTTTTTCAACCATTAGATCAGTACCCAACTTCTTCCAGCTCCTCCCATGGATGATCCTGATCTT | 360 |
| mp | CAAAACCCCATGGGTGCGGCTGCAAGCTTCTCTCCAATTCATGCCAAATCATCATTGTTTTTCAACCATTAGATCAGTACCCAACTTCTTCCAGCTCCTCCCATGGATGATCCTGATCTT | 360 |
| CCMC | CAAAACCCCATGGGTGCGGCTGCAAGCTTCTCTCCAATTCATGCCAAATCATCATTGTTTTTCAACCATTAGATCAGTACCCAACTTCTTCCAGCTCCTCCCATGGATGATCCTGATCTT | 360 |
| 9930 | TCGAGGCCTCGAAGTACGGATTCTCAAGTACAAGCCCTGCAAGCCCTGCTCAAGTTGGTATGAGCAAAATCACCACAGGATGGGCTTGGGCTCTGGTTCCAGCACCCAGCAAAATACC | 480 |
| mp | TCGAGGCCTCGAAGTACGGATTCTCAAGTACAAGCCCTGCAAGCCCTGCTCAAGTTGGTATGAGCAAAATCACCACAGGATGGGCTTGGGCTCTGGTTCCAGCACCCAGCAAAATACC | 480 |
| CCMC | TCGAGGCCTCGAAGTACGGATTCTCAAGTACAAGCCCTGCAAGCCCTGCTCAAGTTGGTATGAGCAAAATCACCACAGGATGGGCTTGGGCTCTGGTTCCAGCACCCAGCAAAATACC | 480 |
| 9930 | ACAGCTCGTGGTCCGAAGCTGGTGGTCAAGTCTGCTAACTCTGGTCTGTCATCAACTGCTGCAAAACAAAAGTTCTGGTCTACTGGTAAATCTACCAAGTCAGATCTGCAAAAT | 600 |
| mp | ACAGCTCGTGGTCCGAAGCTGGTGGTCAAGTCTGCTAACTCTGGTCTGTCATCAACTGCTGCAAAACAAAAGTTCTGGTCTACTGGTAAATCTACCAAGTCAGATCTGCAAAAT | 600 |
| CCMC | ACAGCTCGTGGTCCGAAGCTGGTGGTCAAGTCTGCTAACTCTGGTCTGTCATCAACTGCTGCAAAACAAAAGTTCTGGTCTACTGGTAAATCTACCAAGTCAGATCTGCAAAAT | 600 |
| 9930 | GCTGACCGCATGCAAAATCTAACAAGGCACACTACGAGCCACCTGATCCTGATCTAGCAGCTATGCTTGAAGAGATGCTTGGAAACCAGTCCAGGAGTCAGATGGCAGCATGTTCCG | 720 |
| mp | GCTGACCGCATGCAAAATCTAACAAGGCACACTACGAGCCACCTGATCCTGATCTAGCAGCTATGCTTGAAGAGATGCTTGGAAACCAGTCCAGGAGTCAGATGGCAGCATGTTCCG | 720 |
| CCMC | GCTGACCGCATGCAAAATCTAACAAGGCACACTACGAGCCACCTGATCCTGATCTAGCAGCTATGCTTGAAGAGATGCTTGGAAACCAGTCCAGGAGTCAGATGGCAGCATGTTCCG | 720 |
| 9930 | GGCTTCAGTCAAGCAAAAAGACTTCTGGAGGAGCTGTGTTCTTCCGCTGTGGATGCCAATATTTTTGAGGAAATAGGACACCCTGGAAGGAGTCTAATGTTTTGGCCCTCTCTGG | 840 |
| mp | GGCTTCAGTCAAGCAAAAAGACTTCTGGAGGAGCTGTGTTCTTCCGCTGTGGATGCCAATATTTTTGAGGAAATAGGACACCCTGGAAGGAGTCTAATGTTTTGGCCCTCTCTGG | 840 |
| CCMC | GGCTTCAGTCAAGCAAAAAGACTTCTGGAGGAGCTGTGTTCTTCCGCTGTGGATGCCAATATTTTTGAGGAAATAGGACACCCTGGAAGGAGTCTAATGTTTTGGCCCTCTCTGG | 840 |
| 9930 | ACTGGCAAGCCTTACTTCTAAAGCTGTGCCAACTGAGTGTGCCACAACCTTTTTCAATGTTTTCTTCTGCCACCCTGGCTTCAAAATGGCGGGGCAAGTCAAGCCATGGTCCGCTGT | 960 |
| mp | ACTGGCAAGCCTTACTTCTAAAGCTGTGCCAACTGAGTGTGCCACAACCTTTTTCAATGTTTTCTTCTGCCACCCTGGCTTCAAAATGGCGGGGCAAGTCAAGCCATGGTCCGCTGT | 960 |
| CCMC | ACTGGCAAGCCTTACTTCTAAAGCTGTGCCAACTGAGTGTGCCACAACCTTTTTCAATGTTTTCTTCTGCCACCCTGGCTTCAAAATGGCGGGGCAAGTCAAGCCATGGTCCGCTGT | 960 |
| 9930 | CTTTTTGATCTTCAAGAGCTTATGCACCAAGTACTATCTTTATCGATGAAATCGACTCTTTATGTAATGCTCGCGGGGCTTCCGCTGAGCATGAATCTTCCAGAAAGTGAAGTCAGAA | 1080 |
| mp | CTTTTTGATCTTCAAGAGCTTATGCACCAAGTACTATCTTTATCGATGAAATCGACTCTTTATGTAATGCTCGCGGGGCTTCCGCTGAGCATGAATCTTCCAGAAAGTGAAGTCAGAA | 1080 |
| CCMC | CTTTTTGATCTTCAAGAGCTTATGCACCAAGTACTATCTTTATCGATGAAATCGACTCTTTATGTAATGCTCGCGGGGCTTCCGCTGAGCATGAATCTTCCAGAAAGTGAAGTCAGAA | 1080 |
| 9930 | CTTTTAGTCAAGTACAGTGGTGTAAACAACAGTCTTTCAGGCCAAGATGGTAGCCGTAAAATAGTGTGGTCTCTGGCTCTACAAACTTTCCATGGGACATTCAGCAGCCACTTAGGAGG | 1200 |
| mp | CTTTTAGTCAAGTACAGTGGTGTAAACAACAGTCTTTCAGGCCAAGATGGTAGCCGTAAAATAGTGTGGTCTCTGGCTCTACAAACTTTCCATGGGACATTCAGCAGCCACTTAGGAGG | 1200 |
| CCMC | CTTTTAGTCAAGTACAGTGGTGTAAACAACAGTCTTTCAGGCCAAGATGGTAGCCGTAAAATAGTGTGGTCTCTGGCTCTACAAACTTTCCATGGGACATTCAGCAGCCACTTAGGAGG | 1200 |
| 9930 | AGGCTTGAAAAGCGTATTTATATTTCTCTTCTTAATTTTTGAGAGCAGGAAGGAGCTTATCACAATAAATCTGAAAACCTGTTGAGTGGCTCCTGATGTCAATATCGATGATGTTGCTCCG | 1320 |
| mp | AGGCTTGAAAAGCGTATTTATATTTCTCTTCTTAATTTTTGAGAGCAGGAAGGAGCTTATCACAATAAATCTGAAAACCTGTTGAGTGGCTCCTGATGTCAATATCGATGATGTTGCTCCG | 1320 |
| CCMC | AGGCTTGAAAAGCGTATTTATATTTCTCTTCTTAATTTTTGAGAGCAGGAAGGAGCTTATCACAATAAATCTGAAAACCTGTTGAGTGGCTCCTGATGTCAATATCGATGATGTTGCTCCG | 1320 |
| 9930 | CCGACAGAACGATATAGTGGGACCATCTCACAATGTCTGTAGACATGCTTCTTCAATGCAATCAGACCTAAGATAGCTGAAAAAAGTCTGATGACATTAGAAATATGGCTAAGCAT | 1440 |
| mp | CCGACAGAACGATATAGTGGGACCATCTCACAATGTCTGTAGACATGCTTCTTCAATGCAATCAGACCTAAGATAGCTGAAAAAAGTCTGATGACATTAGAAATATGGCTAAGCAT | 1440 |
| CCMC | CCGACAGAACGATATAGTGGGACCATCTCACAATGTCTGTAGACATGCTTCTTCAATGCAATCAGACCTAAGATAGCTGAAAAAAGTCTGATGACATTAGAAATATGGCTAAGCAT | 1440 |
| 9930 | GACATTTCAAAGGACCCCTGTTGCCATGTGGCACTTCCAAGAAGCATTGAAGAAATACACAGAAGTGTCTGCTGCTGATATTGAACGGCATGAGAAGTGGTTTTCAAGATTTGGGTCT | 1560 |
| mp | GACATTTCAAAGGACCCCTGTTGCCATGTGGCACTTCCAAGAAGCATTGAAGAAATACACAGAAGTGTCTGCTGCTGATATTGAACGGCATGAGAAGTGGTTTTCAAGATTTGGGTCT | 1560 |
| CCMC | GACATTTCAAAGGACCCCTGTTGCCATGTGGCACTTCCAAGAAGCATTGAAGAAATACACAGAAGTGTCTGCTGCTGATATTGAACGGCATGAGAAGTGGTTTTCAAGATTTGGGTCT | 1560 |
| 9930 | GCATA | 1565 |
| mp | GCATA | 1565 |
| CCMC | GCATA | 1565 |

Fig. S3 cDNA sequence alignment of *Csa7G435510* originated from 3 cucumbers as follow: 9930, CCMC and *mp*.