

| მცენარის დასახელება                                               | პრაიმერები                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
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| <i>Curtobacterium flaccumfaciens</i><br><i>pv. flaccumfaciens</i> | CffFOR2 5'-GTT ATG ACT GAA CTT CAC TCC-3'<br>CffREV4 5'-GAT GTT CCC GGT GTT CAG-3'<br>CF4 5'-CACAGCCACCTACATGC-3'<br>CF5 5'-GATCGGGAGTCCGAG-3'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <i>Pseudomonas syringae</i> <i>pv. syringae</i>                   | B1 5'- CTTTCCGTGGTCTTGATGAGG-3'<br>B2 5'- TCGATTTTGCCGTGATGAGTC-3'                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <i>Xanthomonas axonopodis</i> <i>pv. vesicatoria</i>              | Xanthomonas euvesicatoria<br>Bs-XeF (5'-CAT GAA GAA CTC GGC GTA TCG-3')<br>Bs-XeR (5'-GTC GGA CAT AGT GGA CAC ATA C-3')<br>Xanthomonas vesicatoria<br>Bs-XvF: 5'-CCA TGT GCC GTT GAA ATA CTT G -3')<br>Bs-XvR: 5'-ACA AGA GAT GTT GCT ATG ATTTGC-3')<br>Xanthomonas gardneri<br>Bs-XgF: 5'-TCA GTG CTT AGT TCC TCA TTGTC-3')<br>Bs-XgR: 5'-TGA CCG ATA AAG ACT GCG AAAG-3')<br>Xanthomonas perforans<br>Bs-XpF: 5'-GTC GTG TTG ATG GAG CGT TC-3')<br>Bs-XpR: 5'-GTG CGA GTC AAT TAT CAG AATGTG G-3')<br>16s rRNA internal control<br>BAC16S-F: 5'-TCC TAC GGG AGG CAG CAG T-3')<br>BAC16S-R 5'-GGA CTA CCA GGG TAT CTA ATC CTG TT-3') |
| <i>Xanthomonas fragariae</i>                                      | 241 A-5'-GCC CGA CGC GAG TTG AATC-3')<br>241 B-5'-GCC CGA CGC GCT ACA GAC TC-3')<br>245 A-5'-CGC GTG CCA GTG GAG ATC C-3')<br>245 B-5'-CGC GTG CCA GAA CTA GCA G-3')<br>295 A-5'-CGT TCC TGG CCG ATT AAT AG-3')<br>295 B-5'-CGC GTT CCT GCG TTT TTT CG-3')<br>XF9 5'-TGGGCCATGCCGGTGGAAGTGTGTGG-3')<br>XF11 5'-TACCCAGCCGTCGCAGACGACCGG-3')                                                                                                                                                                                                                                                                                           |

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| <i>P. syringae</i> pv. <i>actinidiae</i> | AvrDdpx-F 5' – TTTCGGTGGTAACGTTGGCA – 3'<br>AvrDdpx-R 5' – TTCCGCTAGGTGAAAAATGGG – 3'                                                                                    |
| <i>Phytophthora kernoviae</i>            | Pkern60F: 5'-TCCTCGTTGGCAGTT TCGAC-3'<br>PkernR1: 5'-CACAACCTACATTCT GCACAGC-3'                                                                                          |
| <i>Phytophthora ramorum</i>              | Pram F1 : 5'-CTA TCA TGG CGA GCG CTT GA-3'<br>Pram R1 : 5'-GAA GCC GCC AAC ACA AG-3'.<br>Phyto 1 : 5'-CAT GGC GAG CGC TTG A-3'<br>Phyto 4 : 5'-GAA GCC GCC AAC ACA AG-3' |
| <i>Phoma tracheiphila</i>                | Pt-FOR2 5'-GGATGGGCGCCAGCCTTC-3'<br>Pt-REV2 5'-GCACAAGGGCAGTGGACAAA-3'                                                                                                   |
| <i>Monilinia fructicola</i>              | 5'-TATGCTCGCCAGAGGATAATT-3'<br>5'-TGGGTTT TGGCAGAAGCACACT-3'                                                                                                             |

პაპილომების პრაიმერები

5'-CAC AGT TAT GCA CAG AGC TGC-3'

5'-CAT ATA TTC ATG CAA TGT AGG TGTA-3'

5'-CAC TTC ACT GCA AGA CAT AGA-3'

5'-GTT GTG AAA TCG TCG TTT TTC A-3'

5'-GAA ATT GCA TGA ACT AAG CTC G-3'  
(62)

5'-CAC ATA TAC CTT TGT TTG TCA A-3'